Appendix A
Tables A1 - A48

TABLES A1 – A16 – RADIOFREQUENCY RADIATION (uW/Cm2) VERSUS DISTANCE AT VARIABLE DUTY CYCLES AND REFLECTION FACTORS.

Equations from FCC OET BULLETIN 65 AND ANSI/IEEE C95.1-1992, 1999

One Smart Meter

Table A1	60% Reflection	(1%-100% duty cycles in each table)
Table A2	100% Reflection	(1%-100% duty cycles in each table)
Table A3	1000% Reflection*	(1%-100% duty cycles in each table)
Table A4	2000% Reflection*	(1%-100% duty cycles in each table)

Multiple Smart Meters (Four)

Table A5	60% Reflection	(1%-100% duty cycles in each table)
Table A6	100% Reflection	(1%-100% duty cycles in each table)
Table A7	1000% Reflection	(1%-100% duty cycles in each table)
Table A8	2000% Reflection	(1%-100% duty cycles in each table)

One Collector Meter

Table AA9	60% Reflection	(1%-100% duty cycles in each table)
Table A10	100% Reflection	(1%-100% duty cycles in each table)
Table A11	1000% Reflection	(1%-100% duty cycles in each table)
Table A12	2000% Reflection	(1%-100% duty cycles in each table)

One Collector Meter + 3 SM

Table A13	60% Reflection	(1%-100% duty cycles in each table)
Table A14	100% Reflection	(1%-100% duty cycles in each table)
Table A15	1000% Reflection	(1%-100% duty cycles in each table)
Table A16	2000% Reflection	(1%-100% duty cycles in each table)

TABLES A 17 – A48 – RADIOFREQUENCY RADIATION (uW/cm2) IN NURSERY (CRIB AT 11") AND KITCHEN (AT 28") FROM SMART METER (s)

Equations from FCC OET BULLETIN 65 AND ANSI/IEEE C95.1-1992, 1999

Table A17	Nursery Set –
Table A18	One Smart Meter – Critical Distance 11" to baby in crib
Table A19	60%, 100%, 1000%, 2000% duty cycle
Table A20	1% thru 90% duty cycle
Table A21	Nursery Set –
Table A22	Eight Smart Meters – Critical Distance 11" to baby in crib
Table A23	60%, 100%, 1000%, 2000% duty cycle
Table A24	1% thru 90% duty cycle
Table A25	Nursery Set –
Table A26	One Collector– Critical Distance 11" to baby in crib
Table A27	60%, 100%, 1000%, 2000% duty cycle
Table A28	1% thru 30% duty cycle
Table A29	Nursery Set –
Table A30	One Collector Meter + 7 SM– Critical Distance 11" to baby in crib
Table A31	1% thru 30% duty cycle
Table A32	60%, 100%, 1000%, 2000% duty cycle
Table A33	Kitchen Set –
Table A34	One Smart Meter – Critical Distance 28" to kitchen sink person
Table A35	60%, 100%, 1000%, 2000% duty cycle
Table A36	1% thru 30% duty cycle
Table A37	Kitchen Set – Eight Smart Meters –
Table A38	Eight Smart Meters – Critical Distance 28" to kitchen sink person
Table A39	60%, 100%, 1000%, 2000% duty cycle
Table A40	1% thru 30% duty cycle
Table A41	Kitchen Set –
Table A42	One Collector – Critical Distance 28" to kitchen sink person
Table A43	60%, 100%, 1000%, 2000% duty cycle
Table A44	1% thru 30% duty cycle
Table A45	Kitchen Set –
Table A46	One Collector + 7 SM – Critical Distance 28" to kitchen sink person
Table A47	60%, 100%, 1000%, 2000% duty cycle
Table A48	1% thru 30% duty cycle

SMART Meter Power Density Computer Modeling

(1 SMART Meter only – 60% reflections)

Meters 1 Electric Meter

Time Avg: 1% % Reflection 60%

Distance where limits are exceeded			
FCC ft.	0.04	0.5	Inches
BioInitiative ft.	3.43	41.2	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	18.84	10.25	0.01	20.25	0.00	30.25	0.00
0.50	4.71	10.50	0.01	20.50	0.00	30.50	0.00
0.75	2.09	10.75	0.01	20.75	0.00	30.75	0.00
1.00	1.18	11.00	0.01	21.00	0.00	31.00	0.00
1.25	0.75	11.25	0.01	21.25	0.00	31.25	0.00
1.50	0.52	11.50	0.01	21.50	0.00	31.50	0.00
1.75	0.38	11.75	0.01	21.75	0.00	31.75	0.00
2.00	0.29	12.00	0.01	22.00	0.00	32.00	0.00
2.25	0.23	12.25	0.01	22.25	0.00	32.25	0.00
2.50	0.19	12.50	0.01	22.50	0.00	32.50	0.00
2.75	0.16	12.75	0.01	22.75	0.00	32.75	0.00
3.00	0.13	13.00	0.01	23.00	0.00	33.00	0.00
3.25	0.11	13.25	0.01	23.25	0.00	33.25	0.00
3.50	0.10	13.50	0.01	23.50	0.00	33.50	0.00
3.75	0.08	13.75	0.01	23.75	0.00	33.75	0.00
4.00	0.07	14.00	0.01	24.00	0.00	34.00	0.00
4.25	0.07	14.25	0.01	24.25	0.00	34.25	0.00
4.50	0.06	14.50	0.01	24.50	0.00	34.50	0.00
4.75	0.05	14.75	0.01	24.75	0.00	34.75	0.00
5.00	0.05	15.00	0.01	25.00	0.00	35.00	0.00
5.25	0.04	15.25	0.01	25.25	0.00	35.25	0.00
5.50	0.04	15.50	0.00	25.50	0.00	35.50	0.00
5.75	0.04	15.75	0.00	25.75	0.00	35.75	0.00
6.00	0.03	16.00	0.00	26.00	0.00	36.00	0.00
6.25	0.03	16.25	0.00	26.25	0.00	36.25	0.00
6.50	0.03	16.50	0.00	26.50	0.00	36.50	0.00
6.75	0.03	16.75	0.00	26.75	0.00	36.75	0.00
7.00	0.02	17.00	0.00	27.00	0.00	37.00	0.00
7.25	0.02	17.25	0.00	27.25	0.00	37.25	0.00
7.50	0.02	17.50	0.00	27.50	0.00	37.50	0.00
7.75	0.02	17.75	0.00	27.75	0.00	37.75	0.00
8.00	0.02	18.00	0.00	28.00	0.00	38.00	0.00
8.25	0.02	18.25	0.00	28.25	0.00	38.25	0.00
8.50	0.02	18.50	0.00	28.50	0.00	38.50	0.00
8.75	0.02	18.75	0.00	28.75	0.00	38.75	0.00
9.00	0.01	19.00	0.00	29.00	0.00	39.00	0.00
9.25	0.01	19.25	0.00	29.25	0.00	39.25	0.00
9.50	0.01	19.50	0.00	29.50	0.00	39.50	0.00
9.75	0.01	19.75	0.00	29.75	0.00	39.75	0.00
10.00	0.01	20.00	0.00	30.00	0.00	40.00	0.00

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 1 – 1%

SMART Meter Power Density Computer Modeling

(1 SMART Meter only – 60% reflections)

Meters 1 Electric Meter

Time Avg: 1% % Reflection 60%

Distance where limits are exceeded			
FCC ft.	0.04	0.51	Inches
BioInitiative ft.	3.43	41.16	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.00	54.25	0.00	68.25	0.00	82.25	0.00
40.50	0.00	54.50	0.00	68.50	0.00	82.50	0.00
40.75	0.00	54.75	0.00	68.75	0.00	82.75	0.00
41.00	0.00	55.00	0.00	69.00	0.00	83.00	0.00
41.25	0.00	55.25	0.00	69.25	0.00	83.25	0.00
41.50	0.00	55.50	0.00	69.50	0.00	83.50	0.00
41.75	0.00	55.75	0.00	69.75	0.00	83.75	0.00
42.00	0.00	56.00	0.00	70.00	0.00	84.00	0.00
42.25	0.00	56.25	0.00	70.25	0.00	84.25	0.00
42.50	0.00	56.50	0.00	70.50	0.00	84.50	0.00
42.75	0.00	56.75	0.00	70.75	0.00	84.75	0.00
43.00	0.00	57.00	0.00	71.00	0.00	85.00	0.00
43.25	0.00	57.25	0.00	71.25	0.00	85.25	0.00
43.50	0.00	57.50	0.00	71.50	0.00	85.50	0.00
43.75	0.00	57.75	0.00	71.75	0.00	85.75	0.00
44.00	0.00	58.00	0.00	72.00	0.00	86.00	0.00
44.25	0.00	58.25	0.00	72.25	0.00	86.25	0.00
44.50	0.00	58.50	0.00	72.50	0.00	86.50	0.00
44.75	0.00	58.75	0.00	72.75	0.00	86.75	0.00
45.00	0.00	59.00	0.00	73.00	0.00	87.00	0.00
45.25	0.00	59.25	0.00	73.25	0.00	87.25	0.00
45.50	0.00	59.50	0.00	73.50	0.00	87.50	0.00
45.75	0.00	59.75	0.00	73.75	0.00	87.75	0.00
46.00	0.00	60.00	0.00	74.00	0.00	88.00	0.00
46.25	0.00	60.25	0.00	74.25	0.00	88.25	0.00
46.50	0.00	60.50	0.00	74.50	0.00	88.50	0.00
46.75	0.00	60.75	0.00	74.75	0.00	88.75	0.00
47.00	0.00	61.00	0.00	75.00	0.00	89.00	0.00
47.25	0.00	61.25	0.00	75.25	0.00	89.25	0.00
47.50	0.00	61.50	0.00	75.50	0.00	89.50	0.00
47.75	0.00	61.75	0.00	75.75	0.00	89.75	0.00
48.00	0.00	62.00	0.00	76.00	0.00	90.00	0.00
48.25	0.00	62.25	0.00	76.25	0.00	90.25	0.00
48.50	0.00	62.50	0.00	76.50	0.00	90.50	0.00
48.75	0.00	62.75	0.00	76.75	0.00	90.75	0.00
49.00	0.00	63.00	0.00	77.00	0.00	91.00	0.00
49.25	0.00	63.25	0.00	77.25	0.00	91.25	0.00
49.50	0.00	63.50	0.00	77.50	0.00	91.50	0.00
49.75	0.00	63.75	0.00	77.75	0.00	91.75	0.00
50.00	0.00	64.00	0.00	78.00	0.00	92.00	0.00
50.25	0.00	64.25	0.00	78.25	0.00	92.25	0.00
50.50	0.00	64.50	0.00	78.50	0.00	92.50	0.00
50.75	0.00	64.75	0.00	78.75	0.00	92.75	0.00
51.00	0.00	65.00	0.00	79.00	0.00	93.00	0.00
51.25	0.00	65.25	0.00	79.25	0.00	93.25	0.00
51.50	0.00	65.50	0.00	79.50	0.00	93.50	0.00
51.75	0.00	65.75	0.00	79.75	0.00	93.75	0.00
52.00	0.00	66.00	0.00	80.00	0.00	94.00	0.00
52.25	0.00	66.25	0.00	80.25	0.00	94.25	0.00
52.50	0.00	66.50	0.00	80.50	0.00	94.50	0.00
52.75	0.00	66.75	0.00	80.75	0.00	94.75	0.00
53.00	0.00	67.00	0.00	81.00	0.00	95.00	0.00
53.25	0.00	67.25	0.00	81.25	0.00	95.25	0.00
53.50	0.00	67.50	0.00	81.50	0.00	95.50	0.00
53.75	0.00	67.75	0.00	81.75	0.00	95.75	0.00
54.00	0.00	68.00	0.00	82.00	0.00	96.00	0.00

Table 1 – 1%

SMART Meter Power Density Computer Modeling

(1 SMART Meter only – 60% reflections)

Meters 1 Electric Meter

Time Avg: 10% % Reflection 60%

Distance where limits are exceeded			
FCC ft.	0.13	1.6	Inches
BioInitiative ft.	10.85	130.2	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	188.39	10.25	0.11	20.25	0.03	30.25	0.01
0.50	47.10	10.50	0.11	20.50	0.03	30.50	0.01
0.75	20.93	10.75	0.10	20.75	0.03	30.75	0.01
1.00	11.77	11.00	0.10	21.00	0.03	31.00	0.01
1.25	7.54	11.25	0.09	21.25	0.03	31.25	0.01
1.50	5.23	11.50	0.09	21.50	0.03	31.50	0.01
1.75	3.84	11.75	0.09	21.75	0.02	31.75	0.01
2.00	2.94	12.00	0.08	22.00	0.02	32.00	0.01
2.25	2.33	12.25	0.08	22.25	0.02	32.25	0.01
2.50	1.88	12.50	0.08	22.50	0.02	32.50	0.01
2.75	1.56	12.75	0.07	22.75	0.02	32.75	0.01
3.00	1.31	13.00	0.07	23.00	0.02	33.00	0.01
3.25	1.11	13.25	0.07	23.25	0.02	33.25	0.01
3.50	0.96	13.50	0.06	23.50	0.02	33.50	0.01
3.75	0.84	13.75	0.06	23.75	0.02	33.75	0.01
4.00	0.74	14.00	0.06	24.00	0.02	34.00	0.01
4.25	0.65	14.25	0.06	24.25	0.02	34.25	0.01
4.50	0.58	14.50	0.06	24.50	0.02	34.50	0.01
4.75	0.52	14.75	0.05	24.75	0.02	34.75	0.01
5.00	0.47	15.00	0.05	25.00	0.02	35.00	0.01
5.25	0.43	15.25	0.05	25.25	0.02	35.25	0.01
5.50	0.39	15.50	0.05	25.50	0.02	35.50	0.01
5.75	0.36	15.75	0.05	25.75	0.02	35.75	0.01
6.00	0.33	16.00	0.05	26.00	0.02	36.00	0.01
6.25	0.30	16.25	0.04	26.25	0.02	36.25	0.01
6.50	0.28	16.50	0.04	26.50	0.02	36.50	0.01
6.75	0.26	16.75	0.04	26.75	0.02	36.75	0.01
7.00	0.24	17.00	0.04	27.00	0.02	37.00	0.01
7.25	0.22	17.25	0.04	27.25	0.02	37.25	0.01
7.50	0.21	17.50	0.04	27.50	0.02	37.50	0.01
7.75	0.20	17.75	0.04	27.75	0.02	37.75	0.01
8.00	0.18	18.00	0.04	28.00	0.02	38.00	0.01
8.25	0.17	18.25	0.04	28.25	0.01	38.25	0.01
8.50	0.16	18.50	0.03	28.50	0.01	38.50	0.01
8.75	0.15	18.75	0.03	28.75	0.01	38.75	0.01
9.00	0.15	19.00	0.03	29.00	0.01	39.00	0.01
9.25	0.14	19.25	0.03	29.25	0.01	39.25	0.01
9.50	0.13	19.50	0.03	29.50	0.01	39.50	0.01
9.75	0.12	19.75	0.03	29.75	0.01	39.75	0.01
10.00	0.12	20.00	0.03	30.00	0.01	40.00	0.01

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
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3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 1 – 10%

SMART Meter Power Density Computer Modeling

(1 SMART Meter only – 60% reflections)

Meters 1 Electric Meter

Time Avg: 10% % Reflection 60%

Distance where limits are exceeded			
FCC ft.	0.13	1.61	Inches
BioInitiative ft.	10.85	130.20	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.01	54.25	0.00	68.25	0.00	82.25	0.00
40.50	0.01	54.50	0.00	68.50	0.00	82.50	0.00
40.75	0.01	54.75	0.00	68.75	0.00	82.75	0.00
41.00	0.01	55.00	0.00	69.00	0.00	83.00	0.00
41.25	0.01	55.25	0.00	69.25	0.00	83.25	0.00
41.50	0.01	55.50	0.00	69.50	0.00	83.50	0.00
41.75	0.01	55.75	0.00	69.75	0.00	83.75	0.00
42.00	0.01	56.00	0.00	70.00	0.00	84.00	0.00
42.25	0.01	56.25	0.00	70.25	0.00	84.25	0.00
42.50	0.01	56.50	0.00	70.50	0.00	84.50	0.00
42.75	0.01	56.75	0.00	70.75	0.00	84.75	0.00
43.00	0.01	57.00	0.00	71.00	0.00	85.00	0.00
43.25	0.01	57.25	0.00	71.25	0.00	85.25	0.00
43.50	0.01	57.50	0.00	71.50	0.00	85.50	0.00
43.75	0.01	57.75	0.00	71.75	0.00	85.75	0.00
44.00	0.01	58.00	0.00	72.00	0.00	86.00	0.00
44.25	0.01	58.25	0.00	72.25	0.00	86.25	0.00
44.50	0.01	58.50	0.00	72.50	0.00	86.50	0.00
44.75	0.01	58.75	0.00	72.75	0.00	86.75	0.00
45.00	0.01	59.00	0.00	73.00	0.00	87.00	0.00
45.25	0.01	59.25	0.00	73.25	0.00	87.25	0.00
45.50	0.01	59.50	0.00	73.50	0.00	87.50	0.00
45.75	0.01	59.75	0.00	73.75	0.00	87.75	0.00
46.00	0.01	60.00	0.00	74.00	0.00	88.00	0.00
46.25	0.01	60.25	0.00	74.25	0.00	88.25	0.00
46.50	0.01	60.50	0.00	74.50	0.00	88.50	0.00
46.75	0.01	60.75	0.00	74.75	0.00	88.75	0.00
47.00	0.01	61.00	0.00	75.00	0.00	89.00	0.00
47.25	0.01	61.25	0.00	75.25	0.00	89.25	0.00
47.50	0.01	61.50	0.00	75.50	0.00	89.50	0.00
47.75	0.01	61.75	0.00	75.75	0.00	89.75	0.00
48.00	0.01	62.00	0.00	76.00	0.00	90.00	0.00
48.25	0.01	62.25	0.00	76.25	0.00	90.25	0.00
48.50	0.01	62.50	0.00	76.50	0.00	90.50	0.00
48.75	0.00	62.75	0.00	76.75	0.00	90.75	0.00
49.00	0.00	63.00	0.00	77.00	0.00	91.00	0.00
49.25	0.00	63.25	0.00	77.25	0.00	91.25	0.00
49.50	0.00	63.50	0.00	77.50	0.00	91.50	0.00
49.75	0.00	63.75	0.00	77.75	0.00	91.75	0.00
50.00	0.00	64.00	0.00	78.00	0.00	92.00	0.00
50.25	0.00	64.25	0.00	78.25	0.00	92.25	0.00
50.50	0.00	64.50	0.00	78.50	0.00	92.50	0.00
50.75	0.00	64.75	0.00	78.75	0.00	92.75	0.00
51.00	0.00	65.00	0.00	79.00	0.00	93.00	0.00
51.25	0.00	65.25	0.00	79.25	0.00	93.25	0.00
51.50	0.00	65.50	0.00	79.50	0.00	93.50	0.00
51.75	0.00	65.75	0.00	79.75	0.00	93.75	0.00
52.00	0.00	66.00	0.00	80.00	0.00	94.00	0.00
52.25	0.00	66.25	0.00	80.25	0.00	94.25	0.00
52.50	0.00	66.50	0.00	80.50	0.00	94.50	0.00
52.75	0.00	66.75	0.00	80.75	0.00	94.75	0.00
53.00	0.00	67.00	0.00	81.00	0.00	95.00	0.00
53.25	0.00	67.25	0.00	81.25	0.00	95.25	0.00
53.50	0.00	67.50	0.00	81.50	0.00	95.50	0.00
53.75	0.00	67.75	0.00	81.75	0.00	95.75	0.00
54.00	0.00	68.00	0.00	82.00	0.00	96.00	0.00

Table 1 – 10%

SMART Meter Power Density Computer Modeling

(1 SMART Meter only – 60% reflections)

Meters 1 Electric Meter

Time Avg: 20% % Reflection 60%

Distance where limits are exceeded			
FCC ft.	0.19	2.3	Inches
BioInitiative ft.	15.34	184.1	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	376.78	10.25	0.22	20.25	0.06	30.25	0.03
0.50	94.20	10.50	0.21	20.50	0.06	30.50	0.03
0.75	41.86	10.75	0.20	20.75	0.05	30.75	0.02
1.00	23.55	11.00	0.19	21.00	0.05	31.00	0.02
1.25	15.07	11.25	0.19	21.25	0.05	31.25	0.02
1.50	10.47	11.50	0.18	21.50	0.05	31.50	0.02
1.75	7.69	11.75	0.17	21.75	0.05	31.75	0.02
2.00	5.89	12.00	0.16	22.00	0.05	32.00	0.02
2.25	4.65	12.25	0.16	22.25	0.05	32.25	0.02
2.50	3.77	12.50	0.15	22.50	0.05	32.50	0.02
2.75	3.11	12.75	0.14	22.75	0.05	32.75	0.02
3.00	2.62	13.00	0.14	23.00	0.04	33.00	0.02
3.25	2.23	13.25	0.13	23.25	0.04	33.25	0.02
3.50	1.92	13.50	0.13	23.50	0.04	33.50	0.02
3.75	1.67	13.75	0.12	23.75	0.04	33.75	0.02
4.00	1.47	14.00	0.12	24.00	0.04	34.00	0.02
4.25	1.30	14.25	0.12	24.25	0.04	34.25	0.02
4.50	1.16	14.50	0.11	24.50	0.04	34.50	0.02
4.75	1.04	14.75	0.11	24.75	0.04	34.75	0.02
5.00	0.94	15.00	0.10	25.00	0.04	35.00	0.02
5.25	0.85	15.25	0.10	25.25	0.04	35.25	0.02
5.50	0.78	15.50	0.10	25.50	0.04	35.50	0.02
5.75	0.71	15.75	0.09	25.75	0.04	35.75	0.02
6.00	0.65	16.00	0.09	26.00	0.03	36.00	0.02
6.25	0.60	16.25	0.09	26.25	0.03	36.25	0.02
6.50	0.56	16.50	0.09	26.50	0.03	36.50	0.02
6.75	0.52	16.75	0.08	26.75	0.03	36.75	0.02
7.00	0.48	17.00	0.08	27.00	0.03	37.00	0.02
7.25	0.45	17.25	0.08	27.25	0.03	37.25	0.02
7.50	0.42	17.50	0.08	27.50	0.03	37.50	0.02
7.75	0.39	17.75	0.07	27.75	0.03	37.75	0.02
8.00	0.37	18.00	0.07	28.00	0.03	38.00	0.02
8.25	0.35	18.25	0.07	28.25	0.03	38.25	0.02
8.50	0.33	18.50	0.07	28.50	0.03	38.50	0.02
8.75	0.31	18.75	0.07	28.75	0.03	38.75	0.02
9.00	0.29	19.00	0.07	29.00	0.03	39.00	0.02
9.25	0.28	19.25	0.06	29.25	0.03	39.25	0.02
9.50	0.26	19.50	0.06	29.50	0.03	39.50	0.02
9.75	0.25	19.75	0.06	29.75	0.03	39.75	0.01
10.00	0.24	20.00	0.06	30.00	0.03	40.00	0.01

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 1 – 20%

SMART Meter Power Density Computer Modeling

(1 SMART Meter only – 60% reflections)

Meters 1 Electric Meter

Time Avg: 20% % Reflection 60%

Distance where limits are exceeded			
FCC ft. 0.19		2.28 Inches	
BioInitiative ft. 15.34		184.08 Inches	

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.01	54.25	0.01	68.25	0.01	82.25	0.00
40.50	0.01	54.50	0.01	68.50	0.01	82.50	0.00
40.75	0.01	54.75	0.01	68.75	0.00	82.75	0.00
41.00	0.01	55.00	0.01	69.00	0.00	83.00	0.00
41.25	0.01	55.25	0.01	69.25	0.00	83.25	0.00
41.50	0.01	55.50	0.01	69.50	0.00	83.50	0.00
41.75	0.01	55.75	0.01	69.75	0.00	83.75	0.00
42.00	0.01	56.00	0.01	70.00	0.00	84.00	0.00
42.25	0.01	56.25	0.01	70.25	0.00	84.25	0.00
42.50	0.01	56.50	0.01	70.50	0.00	84.50	0.00
42.75	0.01	56.75	0.01	70.75	0.00	84.75	0.00
43.00	0.01	57.00	0.01	71.00	0.00	85.00	0.00
43.25	0.01	57.25	0.01	71.25	0.00	85.25	0.00
43.50	0.01	57.50	0.01	71.50	0.00	85.50	0.00
43.75	0.01	57.75	0.01	71.75	0.00	85.75	0.00
44.00	0.01	58.00	0.01	72.00	0.00	86.00	0.00
44.25	0.01	58.25	0.01	72.25	0.00	86.25	0.00
44.50	0.01	58.50	0.01	72.50	0.00	86.50	0.00
44.75	0.01	58.75	0.01	72.75	0.00	86.75	0.00
45.00	0.01	59.00	0.01	73.00	0.00	87.00	0.00
45.25	0.01	59.25	0.01	73.25	0.00	87.25	0.00
45.50	0.01	59.50	0.01	73.50	0.00	87.50	0.00
45.75	0.01	59.75	0.01	73.75	0.00	87.75	0.00
46.00	0.01	60.00	0.01	74.00	0.00	88.00	0.00
46.25	0.01	60.25	0.01	74.25	0.00	88.25	0.00
46.50	0.01	60.50	0.01	74.50	0.00	88.50	0.00
46.75	0.01	60.75	0.01	74.75	0.00	88.75	0.00
47.00	0.01	61.00	0.01	75.00	0.00	89.00	0.00
47.25	0.01	61.25	0.01	75.25	0.00	89.25	0.00
47.50	0.01	61.50	0.01	75.50	0.00	89.50	0.00
47.75	0.01	61.75	0.01	75.75	0.00	89.75	0.00
48.00	0.01	62.00	0.01	76.00	0.00	90.00	0.00
48.25	0.01	62.25	0.01	76.25	0.00	90.25	0.00
48.50	0.01	62.50	0.01	76.50	0.00	90.50	0.00
48.75	0.01	62.75	0.01	76.75	0.00	90.75	0.00
49.00	0.01	63.00	0.01	77.00	0.00	91.00	0.00
49.25	0.01	63.25	0.01	77.25	0.00	91.25	0.00
49.50	0.01	63.50	0.01	77.50	0.00	91.50	0.00
49.75	0.01	63.75	0.01	77.75	0.00	91.75	0.00
50.00	0.01	64.00	0.01	78.00	0.00	92.00	0.00
50.25	0.01	64.25	0.01	78.25	0.00	92.25	0.00
50.50	0.01	64.50	0.01	78.50	0.00	92.50	0.00
50.75	0.01	64.75	0.01	78.75	0.00	92.75	0.00
51.00	0.01	65.00	0.01	79.00	0.00	93.00	0.00
51.25	0.01	65.25	0.01	79.25	0.00	93.25	0.00
51.50	0.01	65.50	0.01	79.50	0.00	93.50	0.00
51.75	0.01	65.75	0.01	79.75	0.00	93.75	0.00
52.00	0.01	66.00	0.01	80.00	0.00	94.00	0.00
52.25	0.01	66.25	0.01	80.25	0.00	94.25	0.00
52.50	0.01	66.50	0.01	80.50	0.00	94.50	0.00
52.75	0.01	66.75	0.01	80.75	0.00	94.75	0.00
53.00	0.01	67.00	0.01	81.00	0.00	95.00	0.00
53.25	0.01	67.25	0.01	81.25	0.00	95.25	0.00
53.50	0.01	67.50	0.01	81.50	0.00	95.50	0.00
53.75	0.01	67.75	0.01	81.75	0.00	95.75	0.00
54.00	0.01	68.00	0.01	82.00	0.00	96.00	0.00

Table 1 – 20%

SMART Meter Power Density Computer Modeling

(1 SMART Meter only – 60% reflections)

Meters 1 Electric Meter

Time Avg: 30% % Reflection 60%

Distance where limits are exceeded			
FCC ft.	0.23	2.8	Inches
BioInitiative ft.	18.80	225.6	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	565.17	10.25	0.34	20.25	0.09	30.25	0.04
0.50	141.29	10.50	0.32	20.50	0.08	30.50	0.04
0.75	62.80	10.75	0.31	20.75	0.08	30.75	0.04
1.00	35.32	11.00	0.29	21.00	0.08	31.00	0.04
1.25	22.61	11.25	0.28	21.25	0.08	31.25	0.04
1.50	15.70	11.50	0.27	21.50	0.08	31.50	0.04
1.75	11.53	11.75	0.26	21.75	0.07	31.75	0.04
2.00	8.83	12.00	0.25	22.00	0.07	32.00	0.03
2.25	6.98	12.25	0.24	22.25	0.07	32.25	0.03
2.50	5.65	12.50	0.23	22.50	0.07	32.50	0.03
2.75	4.67	12.75	0.22	22.75	0.07	32.75	0.03
3.00	3.92	13.00	0.21	23.00	0.07	33.00	0.03
3.25	3.34	13.25	0.20	23.25	0.07	33.25	0.03
3.50	2.88	13.50	0.19	23.50	0.06	33.50	0.03
3.75	2.51	13.75	0.19	23.75	0.06	33.75	0.03
4.00	2.21	14.00	0.18	24.00	0.06	34.00	0.03
4.25	1.96	14.25	0.17	24.25	0.06	34.25	0.03
4.50	1.74	14.50	0.17	24.50	0.06	34.50	0.03
4.75	1.57	14.75	0.16	24.75	0.06	34.75	0.03
5.00	1.41	15.00	0.16	25.00	0.06	35.00	0.03
5.25	1.28	15.25	0.15	25.25	0.06	35.25	0.03
5.50	1.17	15.50	0.15	25.50	0.05	35.50	0.03
5.75	1.07	15.75	0.14	25.75	0.05	35.75	0.03
6.00	0.98	16.00	0.14	26.00	0.05	36.00	0.03
6.25	0.90	16.25	0.13	26.25	0.05	36.25	0.03
6.50	0.84	16.50	0.13	26.50	0.05	36.50	0.03
6.75	0.78	16.75	0.13	26.75	0.05	36.75	0.03
7.00	0.72	17.00	0.12	27.00	0.05	37.00	0.03
7.25	0.67	17.25	0.12	27.25	0.05	37.25	0.03
7.50	0.63	17.50	0.12	27.50	0.05	37.50	0.03
7.75	0.59	17.75	0.11	27.75	0.05	37.75	0.02
8.00	0.55	18.00	0.11	28.00	0.05	38.00	0.02
8.25	0.52	18.25	0.11	28.25	0.04	38.25	0.02
8.50	0.49	18.50	0.10	28.50	0.04	38.50	0.02
8.75	0.46	18.75	0.10	28.75	0.04	38.75	0.02
9.00	0.44	19.00	0.10	29.00	0.04	39.00	0.02
9.25	0.41	19.25	0.10	29.25	0.04	39.25	0.02
9.50	0.39	19.50	0.09	29.50	0.04	39.50	0.02
9.75	0.37	19.75	0.09	29.75	0.04	39.75	0.02
10.00	0.35	20.00	0.09	30.00	0.04	40.00	0.02

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 1 – 30%

SMART Meter Power Density Computer Modeling

(1 SMART Meter only – 60% reflections)

Meters 1 Electric Meter

Time Avg: 30% % Reflection 60%

Distance where limits are exceeded			
FCC ft. 0.23		2.79 Inches	
BioInitiative ft. 18.80		225.60 Inches	

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.02	54.25	0.01	68.25	0.01	82.25	0.01
40.50	0.02	54.50	0.01	68.50	0.01	82.50	0.01
40.75	0.02	54.75	0.01	68.75	0.01	82.75	0.01
41.00	0.02	55.00	0.01	69.00	0.01	83.00	0.01
41.25	0.02	55.25	0.01	69.25	0.01	83.25	0.01
41.50	0.02	55.50	0.01	69.50	0.01	83.50	0.01
41.75	0.02	55.75	0.01	69.75	0.01	83.75	0.01
42.00	0.02	56.00	0.01	70.00	0.01	84.00	0.01
42.25	0.02	56.25	0.01	70.25	0.01	84.25	0.00
42.50	0.02	56.50	0.01	70.50	0.01	84.50	0.00
42.75	0.02	56.75	0.01	70.75	0.01	84.75	0.00
43.00	0.02	57.00	0.01	71.00	0.01	85.00	0.00
43.25	0.02	57.25	0.01	71.25	0.01	85.25	0.00
43.50	0.02	57.50	0.01	71.50	0.01	85.50	0.00
43.75	0.02	57.75	0.01	71.75	0.01	85.75	0.00
44.00	0.02	58.00	0.01	72.00	0.01	86.00	0.00
44.25	0.02	58.25	0.01	72.25	0.01	86.25	0.00
44.50	0.02	58.50	0.01	72.50	0.01	86.50	0.00
44.75	0.02	58.75	0.01	72.75	0.01	86.75	0.00
45.00	0.02	59.00	0.01	73.00	0.01	87.00	0.00
45.25	0.02	59.25	0.01	73.25	0.01	87.25	0.00
45.50	0.02	59.50	0.01	73.50	0.01	87.50	0.00
45.75	0.02	59.75	0.01	73.75	0.01	87.75	0.00
46.00	0.02	60.00	0.01	74.00	0.01	88.00	0.00
46.25	0.02	60.25	0.01	74.25	0.01	88.25	0.00
46.50	0.02	60.50	0.01	74.50	0.01	88.50	0.00
46.75	0.02	60.75	0.01	74.75	0.01	88.75	0.00
47.00	0.02	61.00	0.01	75.00	0.01	89.00	0.00
47.25	0.02	61.25	0.01	75.25	0.01	89.25	0.00
47.50	0.02	61.50	0.01	75.50	0.01	89.50	0.00
47.75	0.02	61.75	0.01	75.75	0.01	89.75	0.00
48.00	0.02	62.00	0.01	76.00	0.01	90.00	0.00
48.25	0.02	62.25	0.01	76.25	0.01	90.25	0.00
48.50	0.02	62.50	0.01	76.50	0.01	90.50	0.00
48.75	0.01	62.75	0.01	76.75	0.01	90.75	0.00
49.00	0.01	63.00	0.01	77.00	0.01	91.00	0.00
49.25	0.01	63.25	0.01	77.25	0.01	91.25	0.00
49.50	0.01	63.50	0.01	77.50	0.01	91.50	0.00
49.75	0.01	63.75	0.01	77.75	0.01	91.75	0.00
50.00	0.01	64.00	0.01	78.00	0.01	92.00	0.00
50.25	0.01	64.25	0.01	78.25	0.01	92.25	0.00
50.50	0.01	64.50	0.01	78.50	0.01	92.50	0.00
50.75	0.01	64.75	0.01	78.75	0.01	92.75	0.00
51.00	0.01	65.00	0.01	79.00	0.01	93.00	0.00
51.25	0.01	65.25	0.01	79.25	0.01	93.25	0.00
51.50	0.01	65.50	0.01	79.50	0.01	93.50	0.00
51.75	0.01	65.75	0.01	79.75	0.01	93.75	0.00
52.00	0.01	66.00	0.01	80.00	0.01	94.00	0.00
52.25	0.01	66.25	0.01	80.25	0.01	94.25	0.00
52.50	0.01	66.50	0.01	80.50	0.01	94.50	0.00
52.75	0.01	66.75	0.01	80.75	0.01	94.75	0.00
53.00	0.01	67.00	0.01	81.00	0.01	95.00	0.00
53.25	0.01	67.25	0.01	81.25	0.01	95.25	0.00
53.50	0.01	67.50	0.01	81.50	0.01	95.50	0.00
53.75	0.01	67.75	0.01	81.75	0.01	95.75	0.00
54.00	0.01	68.00	0.01	82.00	0.01	96.00	0.00

Table 1 – 30%

SMART Meter Power Density Computer Modeling

(1 SMART Meter only – 60% reflections)

Meters 1 Electric Meter

Time Avg: 40% % Reflection 60%

Distance where limits are exceeded			
FCC ft.	0.27	3.2	Inches
BioInitiative ft.	21.70	260.4	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	753.56	10.25	0.45	20.25	0.11	30.25	0.05
0.50	188.39	10.50	0.43	20.50	0.11	30.50	0.05
0.75	83.73	10.75	0.41	20.75	0.11	30.75	0.05
1.00	47.10	11.00	0.39	21.00	0.11	31.00	0.05
1.25	30.14	11.25	0.37	21.25	0.10	31.25	0.05
1.50	20.93	11.50	0.36	21.50	0.10	31.50	0.05
1.75	15.38	11.75	0.34	21.75	0.10	31.75	0.05
2.00	11.77	12.00	0.33	22.00	0.10	32.00	0.05
2.25	9.30	12.25	0.31	22.25	0.10	32.25	0.05
2.50	7.54	12.50	0.30	22.50	0.09	32.50	0.04
2.75	6.23	12.75	0.29	22.75	0.09	32.75	0.04
3.00	5.23	13.00	0.28	23.00	0.09	33.00	0.04
3.25	4.46	13.25	0.27	23.25	0.09	33.25	0.04
3.50	3.84	13.50	0.26	23.50	0.09	33.50	0.04
3.75	3.35	13.75	0.25	23.75	0.08	33.75	0.04
4.00	2.94	14.00	0.24	24.00	0.08	34.00	0.04
4.25	2.61	14.25	0.23	24.25	0.08	34.25	0.04
4.50	2.33	14.50	0.22	24.50	0.08	34.50	0.04
4.75	2.09	14.75	0.22	24.75	0.08	34.75	0.04
5.00	1.88	15.00	0.21	25.00	0.08	35.00	0.04
5.25	1.71	15.25	0.20	25.25	0.07	35.25	0.04
5.50	1.56	15.50	0.20	25.50	0.07	35.50	0.04
5.75	1.42	15.75	0.19	25.75	0.07	35.75	0.04
6.00	1.31	16.00	0.18	26.00	0.07	36.00	0.04
6.25	1.21	16.25	0.18	26.25	0.07	36.25	0.04
6.50	1.11	16.50	0.17	26.50	0.07	36.50	0.04
6.75	1.03	16.75	0.17	26.75	0.07	36.75	0.03
7.00	0.96	17.00	0.16	27.00	0.06	37.00	0.03
7.25	0.90	17.25	0.16	27.25	0.06	37.25	0.03
7.50	0.84	17.50	0.15	27.50	0.06	37.50	0.03
7.75	0.78	17.75	0.15	27.75	0.06	37.75	0.03
8.00	0.74	18.00	0.15	28.00	0.06	38.00	0.03
8.25	0.69	18.25	0.14	28.25	0.06	38.25	0.03
8.50	0.65	18.50	0.14	28.50	0.06	38.50	0.03
8.75	0.62	18.75	0.13	28.75	0.06	38.75	0.03
9.00	0.58	19.00	0.13	29.00	0.06	39.00	0.03
9.25	0.55	19.25	0.13	29.25	0.06	39.25	0.03
9.50	0.52	19.50	0.12	29.50	0.05	39.50	0.03
9.75	0.50	19.75	0.12	29.75	0.05	39.75	0.03
10.00	0.47	20.00	0.12	30.00	0.05	40.00	0.03

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 1 – 40%

SMART Meter Power Density Computer Modeling

(1 SMART Meter only – 60% reflections)

Meters 1 Electric Meter

Time Avg: 40% % Reflection 60%

Distance where limits are exceeded			
FCC ft. 0.27		3.22 Inches	
BioInitiative ft. 21.70		260.40 Inches	

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.03	54.25	0.02	68.25	0.01	82.25	0.01
40.50	0.03	54.50	0.02	68.50	0.01	82.50	0.01
40.75	0.03	54.75	0.02	68.75	0.01	82.75	0.01
41.00	0.03	55.00	0.02	69.00	0.01	83.00	0.01
41.25	0.03	55.25	0.02	69.25	0.01	83.25	0.01
41.50	0.03	55.50	0.02	69.50	0.01	83.50	0.01
41.75	0.03	55.75	0.02	69.75	0.01	83.75	0.01
42.00	0.03	56.00	0.02	70.00	0.01	84.00	0.01
42.25	0.03	56.25	0.01	70.25	0.01	84.25	0.01
42.50	0.03	56.50	0.01	70.50	0.01	84.50	0.01
42.75	0.03	56.75	0.01	70.75	0.01	84.75	0.01
43.00	0.03	57.00	0.01	71.00	0.01	85.00	0.01
43.25	0.03	57.25	0.01	71.25	0.01	85.25	0.01
43.50	0.02	57.50	0.01	71.50	0.01	85.50	0.01
43.75	0.02	57.75	0.01	71.75	0.01	85.75	0.01
44.00	0.02	58.00	0.01	72.00	0.01	86.00	0.01
44.25	0.02	58.25	0.01	72.25	0.01	86.25	0.01
44.50	0.02	58.50	0.01	72.50	0.01	86.50	0.01
44.75	0.02	58.75	0.01	72.75	0.01	86.75	0.01
45.00	0.02	59.00	0.01	73.00	0.01	87.00	0.01
45.25	0.02	59.25	0.01	73.25	0.01	87.25	0.01
45.50	0.02	59.50	0.01	73.50	0.01	87.50	0.01
45.75	0.02	59.75	0.01	73.75	0.01	87.75	0.01
46.00	0.02	60.00	0.01	74.00	0.01	88.00	0.01
46.25	0.02	60.25	0.01	74.25	0.01	88.25	0.01
46.50	0.02	60.50	0.01	74.50	0.01	88.50	0.01
46.75	0.02	60.75	0.01	74.75	0.01	88.75	0.01
47.00	0.02	61.00	0.01	75.00	0.01	89.00	0.01
47.25	0.02	61.25	0.01	75.25	0.01	89.25	0.01
47.50	0.02	61.50	0.01	75.50	0.01	89.50	0.01
47.75	0.02	61.75	0.01	75.75	0.01	89.75	0.01
48.00	0.02	62.00	0.01	76.00	0.01	90.00	0.01
48.25	0.02	62.25	0.01	76.25	0.01	90.25	0.01
48.50	0.02	62.50	0.01	76.50	0.01	90.50	0.01
48.75	0.02	62.75	0.01	76.75	0.01	90.75	0.01
49.00	0.02	63.00	0.01	77.00	0.01	91.00	0.01
49.25	0.02	63.25	0.01	77.25	0.01	91.25	0.01
49.50	0.02	63.50	0.01	77.50	0.01	91.50	0.01
49.75	0.02	63.75	0.01	77.75	0.01	91.75	0.01
50.00	0.02	64.00	0.01	78.00	0.01	92.00	0.01
50.25	0.02	64.25	0.01	78.25	0.01	92.25	0.01
50.50	0.02	64.50	0.01	78.50	0.01	92.50	0.01
50.75	0.02	64.75	0.01	78.75	0.01	92.75	0.01
51.00	0.02	65.00	0.01	79.00	0.01	93.00	0.01
51.25	0.02	65.25	0.01	79.25	0.01	93.25	0.01
51.50	0.02	65.50	0.01	79.50	0.01	93.50	0.01
51.75	0.02	65.75	0.01	79.75	0.01	93.75	0.01
52.00	0.02	66.00	0.01	80.00	0.01	94.00	0.01
52.25	0.02	66.25	0.01	80.25	0.01	94.25	0.01
52.50	0.02	66.50	0.01	80.50	0.01	94.50	0.01
52.75	0.02	66.75	0.01	80.75	0.01	94.75	0.01
53.00	0.02	67.00	0.01	81.00	0.01	95.00	0.01
53.25	0.02	67.25	0.01	81.25	0.01	95.25	0.01
53.50	0.02	67.50	0.01	81.50	0.01	95.50	0.01
53.75	0.02	67.75	0.01	81.75	0.01	95.75	0.01
54.00	0.02	68.00	0.01	82.00	0.01	96.00	0.01

Table 1 – 40%

SMART Meter Power Density Computer Modeling

(1 SMART Meter only – 60% reflections)

Meters 1 Electric Meter

Time Avg: 50% % Reflection 60%

Distance where limits are exceeded			
FCC ft.	0.30	3.6	Inches
BioInitiative ft.	24.30	291.6	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	941.95	10.25	0.56	20.25	0.14	30.25	0.06
0.50	235.49	10.50	0.53	20.50	0.14	30.50	0.06
0.75	104.66	10.75	0.51	20.75	0.14	30.75	0.06
1.00	58.87	11.00	0.49	21.00	0.13	31.00	0.06
1.25	37.68	11.25	0.47	21.25	0.13	31.25	0.06
1.50	26.17	11.50	0.45	21.50	0.13	31.50	0.06
1.75	19.22	11.75	0.43	21.75	0.12	31.75	0.06
2.00	14.72	12.00	0.41	22.00	0.12	32.00	0.06
2.25	11.63	12.25	0.39	22.25	0.12	32.25	0.06
2.50	9.42	12.50	0.38	22.50	0.12	32.50	0.06
2.75	7.78	12.75	0.36	22.75	0.11	32.75	0.05
3.00	6.54	13.00	0.35	23.00	0.11	33.00	0.05
3.25	5.57	13.25	0.34	23.25	0.11	33.25	0.05
3.50	4.81	13.50	0.32	23.50	0.11	33.50	0.05
3.75	4.19	13.75	0.31	23.75	0.10	33.75	0.05
4.00	3.68	14.00	0.30	24.00	0.10	34.00	0.05
4.25	3.26	14.25	0.29	24.25	0.10	34.25	0.05
4.50	2.91	14.50	0.28	24.50	0.10	34.50	0.05
4.75	2.61	14.75	0.27	24.75	0.10	34.75	0.05
5.00	2.35	15.00	0.26	25.00	0.09	35.00	0.05
5.25	2.14	15.25	0.25	25.25	0.09	35.25	0.05
5.50	1.95	15.50	0.25	25.50	0.09	35.50	0.05
5.75	1.78	15.75	0.24	25.75	0.09	35.75	0.05
6.00	1.64	16.00	0.23	26.00	0.09	36.00	0.05
6.25	1.51	16.25	0.22	26.25	0.09	36.25	0.04
6.50	1.39	16.50	0.22	26.50	0.08	36.50	0.04
6.75	1.29	16.75	0.21	26.75	0.08	36.75	0.04
7.00	1.20	17.00	0.20	27.00	0.08	37.00	0.04
7.25	1.12	17.25	0.20	27.25	0.08	37.25	0.04
7.50	1.05	17.50	0.19	27.50	0.08	37.50	0.04
7.75	0.98	17.75	0.19	27.75	0.08	37.75	0.04
8.00	0.92	18.00	0.18	28.00	0.08	38.00	0.04
8.25	0.86	18.25	0.18	28.25	0.07	38.25	0.04
8.50	0.81	18.50	0.17	28.50	0.07	38.50	0.04
8.75	0.77	18.75	0.17	28.75	0.07	38.75	0.04
9.00	0.73	19.00	0.16	29.00	0.07	39.00	0.04
9.25	0.69	19.25	0.16	29.25	0.07	39.25	0.04
9.50	0.65	19.50	0.15	29.50	0.07	39.50	0.04
9.75	0.62	19.75	0.15	29.75	0.07	39.75	0.04
10.00	0.59	20.00	0.15	30.00	0.07	40.00	0.04

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 1 – 50%

SMART Meter Power Density Computer Modeling

(1 SMART Meter only – 60% reflections)

Meters 1 Electric Meter

Time Avg: 50% % Reflection 60%

Distance where limits are exceeded			
FCC ft.	0.30	3.60	Inches
BioInitiative ft.	24.30	291.60	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.04	54.25	0.02	68.25	0.01	82.25	0.01
40.50	0.04	54.50	0.02	68.50	0.01	82.50	0.01
40.75	0.04	54.75	0.02	68.75	0.01	82.75	0.01
41.00	0.04	55.00	0.02	69.00	0.01	83.00	0.01
41.25	0.03	55.25	0.02	69.25	0.01	83.25	0.01
41.50	0.03	55.50	0.02	69.50	0.01	83.50	0.01
41.75	0.03	55.75	0.02	69.75	0.01	83.75	0.01
42.00	0.03	56.00	0.02	70.00	0.01	84.00	0.01
42.25	0.03	56.25	0.02	70.25	0.01	84.25	0.01
42.50	0.03	56.50	0.02	70.50	0.01	84.50	0.01
42.75	0.03	56.75	0.02	70.75	0.01	84.75	0.01
43.00	0.03	57.00	0.02	71.00	0.01	85.00	0.01
43.25	0.03	57.25	0.02	71.25	0.01	85.25	0.01
43.50	0.03	57.50	0.02	71.50	0.01	85.50	0.01
43.75	0.03	57.75	0.02	71.75	0.01	85.75	0.01
44.00	0.03	58.00	0.02	72.00	0.01	86.00	0.01
44.25	0.03	58.25	0.02	72.25	0.01	86.25	0.01
44.50	0.03	58.50	0.02	72.50	0.01	86.50	0.01
44.75	0.03	58.75	0.02	72.75	0.01	86.75	0.01
45.00	0.03	59.00	0.02	73.00	0.01	87.00	0.01
45.25	0.03	59.25	0.02	73.25	0.01	87.25	0.01
45.50	0.03	59.50	0.02	73.50	0.01	87.50	0.01
45.75	0.03	59.75	0.02	73.75	0.01	87.75	0.01
46.00	0.03	60.00	0.02	74.00	0.01	88.00	0.01
46.25	0.03	60.25	0.02	74.25	0.01	88.25	0.01
46.50	0.03	60.50	0.02	74.50	0.01	88.50	0.01
46.75	0.03	60.75	0.02	74.75	0.01	88.75	0.01
47.00	0.03	61.00	0.02	75.00	0.01	89.00	0.01
47.25	0.03	61.25	0.02	75.25	0.01	89.25	0.01
47.50	0.03	61.50	0.02	75.50	0.01	89.50	0.01
47.75	0.03	61.75	0.02	75.75	0.01	89.75	0.01
48.00	0.03	62.00	0.02	76.00	0.01	90.00	0.01
48.25	0.03	62.25	0.02	76.25	0.01	90.25	0.01
48.50	0.03	62.50	0.02	76.50	0.01	90.50	0.01
48.75	0.02	62.75	0.01	76.75	0.01	90.75	0.01
49.00	0.02	63.00	0.01	77.00	0.01	91.00	0.01
49.25	0.02	63.25	0.01	77.25	0.01	91.25	0.01
49.50	0.02	63.50	0.01	77.50	0.01	91.50	0.01
49.75	0.02	63.75	0.01	77.75	0.01	91.75	0.01
50.00	0.02	64.00	0.01	78.00	0.01	92.00	0.01
50.25	0.02	64.25	0.01	78.25	0.01	92.25	0.01
50.50	0.02	64.50	0.01	78.50	0.01	92.50	0.01
50.75	0.02	64.75	0.01	78.75	0.01	92.75	0.01
51.00	0.02	65.00	0.01	79.00	0.01	93.00	0.01
51.25	0.02	65.25	0.01	79.25	0.01	93.25	0.01
51.50	0.02	65.50	0.01	79.50	0.01	93.50	0.01
51.75	0.02	65.75	0.01	79.75	0.01	93.75	0.01
52.00	0.02	66.00	0.01	80.00	0.01	94.00	0.01
52.25	0.02	66.25	0.01	80.25	0.01	94.25	0.01
52.50	0.02	66.50	0.01	80.50	0.01	94.50	0.01
52.75	0.02	66.75	0.01	80.75	0.01	94.75	0.01
53.00	0.02	67.00	0.01	81.00	0.01	95.00	0.01
53.25	0.02	67.25	0.01	81.25	0.01	95.25	0.01
53.50	0.02	67.50	0.01	81.50	0.01	95.50	0.01
53.75	0.02	67.75	0.01	81.75	0.01	95.75	0.01
54.00	0.02	68.00	0.01	82.00	0.01	96.00	0.01

Table 1 – 50%

SMART Meter Power Density Computer Modeling

(1 SMART Meter only – 60% reflections)

Meters 1 Electric Meter

Time Avg: 60% % Reflection 60%

Distance where limits are exceeded			
FCC ft.	0.33	3.9	Inches
BioInitiative ft.	26.60	319.2	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	1130.34	10.25	0.67	20.25	0.17	30.25	0.08
0.50	282.59	10.50	0.64	20.50	0.17	30.50	0.08
0.75	125.59	10.75	0.61	20.75	0.16	30.75	0.07
1.00	70.65	11.00	0.58	21.00	0.16	31.00	0.07
1.25	45.21	11.25	0.56	21.25	0.16	31.25	0.07
1.50	31.40	11.50	0.53	21.50	0.15	31.50	0.07
1.75	23.07	11.75	0.51	21.75	0.15	31.75	0.07
2.00	17.66	12.00	0.49	22.00	0.15	32.00	0.07
2.25	13.95	12.25	0.47	22.25	0.14	32.25	0.07
2.50	11.30	12.50	0.45	22.50	0.14	32.50	0.07
2.75	9.34	12.75	0.43	22.75	0.14	32.75	0.07
3.00	7.85	13.00	0.42	23.00	0.13	33.00	0.06
3.25	6.69	13.25	0.40	23.25	0.13	33.25	0.06
3.50	5.77	13.50	0.39	23.50	0.13	33.50	0.06
3.75	5.02	13.75	0.37	23.75	0.13	33.75	0.06
4.00	4.42	14.00	0.36	24.00	0.12	34.00	0.06
4.25	3.91	14.25	0.35	24.25	0.12	34.25	0.06
4.50	3.49	14.50	0.34	24.50	0.12	34.50	0.06
4.75	3.13	14.75	0.32	24.75	0.12	34.75	0.06
5.00	2.83	15.00	0.31	25.00	0.11	35.00	0.06
5.25	2.56	15.25	0.30	25.25	0.11	35.25	0.06
5.50	2.34	15.50	0.29	25.50	0.11	35.50	0.06
5.75	2.14	15.75	0.28	25.75	0.11	35.75	0.06
6.00	1.96	16.00	0.28	26.00	0.10	36.00	0.05
6.25	1.81	16.25	0.27	26.25	0.10	36.25	0.05
6.50	1.67	16.50	0.26	26.50	0.10	36.50	0.05
6.75	1.55	16.75	0.25	26.75	0.10	36.75	0.05
7.00	1.44	17.00	0.24	27.00	0.10	37.00	0.05
7.25	1.34	17.25	0.24	27.25	0.10	37.25	0.05
7.50	1.26	17.50	0.23	27.50	0.09	37.50	0.05
7.75	1.18	17.75	0.22	27.75	0.09	37.75	0.05
8.00	1.10	18.00	0.22	28.00	0.09	38.00	0.05
8.25	1.04	18.25	0.21	28.25	0.09	38.25	0.05
8.50	0.98	18.50	0.21	28.50	0.09	38.50	0.05
8.75	0.92	18.75	0.20	28.75	0.09	38.75	0.05
9.00	0.87	19.00	0.20	29.00	0.08	39.00	0.05
9.25	0.83	19.25	0.19	29.25	0.08	39.25	0.05
9.50	0.78	19.50	0.19	29.50	0.08	39.50	0.05
9.75	0.74	19.75	0.18	29.75	0.08	39.75	0.04
10.00	0.71	20.00	0.18	30.00	0.08	40.00	0.04

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 1 – 60%

SMART Meter Power Density Computer Modeling

(1 SMART Meter only – 60% reflections)

Meters 1 Electric Meter

Time Avg: 60% % Reflection 60%

Distance where limits are exceeded			
FCC ft.	0.33	3.94	Inches
BioInitiative ft.	26.60	319.20	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.04	54.25	0.02	68.25	0.02	82.25	0.01
40.50	0.04	54.50	0.02	68.50	0.02	82.50	0.01
40.75	0.04	54.75	0.02	68.75	0.01	82.75	0.01
41.00	0.04	55.00	0.02	69.00	0.01	83.00	0.01
41.25	0.04	55.25	0.02	69.25	0.01	83.25	0.01
41.50	0.04	55.50	0.02	69.50	0.01	83.50	0.01
41.75	0.04	55.75	0.02	69.75	0.01	83.75	0.01
42.00	0.04	56.00	0.02	70.00	0.01	84.00	0.01
42.25	0.04	56.25	0.02	70.25	0.01	84.25	0.01
42.50	0.04	56.50	0.02	70.50	0.01	84.50	0.01
42.75	0.04	56.75	0.02	70.75	0.01	84.75	0.01
43.00	0.04	57.00	0.02	71.00	0.01	85.00	0.01
43.25	0.04	57.25	0.02	71.25	0.01	85.25	0.01
43.50	0.04	57.50	0.02	71.50	0.01	85.50	0.01
43.75	0.04	57.75	0.02	71.75	0.01	85.75	0.01
44.00	0.04	58.00	0.02	72.00	0.01	86.00	0.01
44.25	0.04	58.25	0.02	72.25	0.01	86.25	0.01
44.50	0.04	58.50	0.02	72.50	0.01	86.50	0.01
44.75	0.04	58.75	0.02	72.75	0.01	86.75	0.01
45.00	0.03	59.00	0.02	73.00	0.01	87.00	0.01
45.25	0.03	59.25	0.02	73.25	0.01	87.25	0.01
45.50	0.03	59.50	0.02	73.50	0.01	87.50	0.01
45.75	0.03	59.75	0.02	73.75	0.01	87.75	0.01
46.00	0.03	60.00	0.02	74.00	0.01	88.00	0.01
46.25	0.03	60.25	0.02	74.25	0.01	88.25	0.01
46.50	0.03	60.50	0.02	74.50	0.01	88.50	0.01
46.75	0.03	60.75	0.02	74.75	0.01	88.75	0.01
47.00	0.03	61.00	0.02	75.00	0.01	89.00	0.01
47.25	0.03	61.25	0.02	75.25	0.01	89.25	0.01
47.50	0.03	61.50	0.02	75.50	0.01	89.50	0.01
47.75	0.03	61.75	0.02	75.75	0.01	89.75	0.01
48.00	0.03	62.00	0.02	76.00	0.01	90.00	0.01
48.25	0.03	62.25	0.02	76.25	0.01	90.25	0.01
48.50	0.03	62.50	0.02	76.50	0.01	90.50	0.01
48.75	0.03	62.75	0.02	76.75	0.01	90.75	0.01
49.00	0.03	63.00	0.02	77.00	0.01	91.00	0.01
49.25	0.03	63.25	0.02	77.25	0.01	91.25	0.01
49.50	0.03	63.50	0.02	77.50	0.01	91.50	0.01
49.75	0.03	63.75	0.02	77.75	0.01	91.75	0.01
50.00	0.03	64.00	0.02	78.00	0.01	92.00	0.01
50.25	0.03	64.25	0.02	78.25	0.01	92.25	0.01
50.50	0.03	64.50	0.02	78.50	0.01	92.50	0.01
50.75	0.03	64.75	0.02	78.75	0.01	92.75	0.01
51.00	0.03	65.00	0.02	79.00	0.01	93.00	0.01
51.25	0.03	65.25	0.02	79.25	0.01	93.25	0.01
51.50	0.03	65.50	0.02	79.50	0.01	93.50	0.01
51.75	0.03	65.75	0.02	79.75	0.01	93.75	0.01
52.00	0.03	66.00	0.02	80.00	0.01	94.00	0.01
52.25	0.03	66.25	0.02	80.25	0.01	94.25	0.01
52.50	0.03	66.50	0.02	80.50	0.01	94.50	0.01
52.75	0.03	66.75	0.02	80.75	0.01	94.75	0.01
53.00	0.03	67.00	0.02	81.00	0.01	95.00	0.01
53.25	0.02	67.25	0.02	81.25	0.01	95.25	0.01
53.50	0.02	67.50	0.02	81.50	0.01	95.50	0.01
53.75	0.02	67.75	0.02	81.75	0.01	95.75	0.01
54.00	0.02	68.00	0.02	82.00	0.01	96.00	0.01

Table 1 – 60%

SMART Meter Power Density Computer Modeling

(1 SMART Meter only – 60% reflections)

Meters 1 Electric Meter

Time Avg: 70% % Reflection 60%

Distance where limits are exceeded			
FCC ft.	0.35	4.3	Inches
BioInitiative ft.	28.70	344.4	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	1318.73	10.25	0.78	20.25	0.20	30.25	0.09
0.50	329.68	10.50	0.75	20.50	0.20	30.50	0.09
0.75	146.53	10.75	0.71	20.75	0.19	30.75	0.09
1.00	82.42	11.00	0.68	21.00	0.19	31.00	0.09
1.25	52.75	11.25	0.65	21.25	0.18	31.25	0.08
1.50	36.63	11.50	0.62	21.50	0.18	31.50	0.08
1.75	26.91	11.75	0.60	21.75	0.17	31.75	0.08
2.00	20.61	12.00	0.57	22.00	0.17	32.00	0.08
2.25	16.28	12.25	0.55	22.25	0.17	32.25	0.08
2.50	13.19	12.50	0.53	22.50	0.16	32.50	0.08
2.75	10.90	12.75	0.51	22.75	0.16	32.75	0.08
3.00	9.16	13.00	0.49	23.00	0.16	33.00	0.08
3.25	7.80	13.25	0.47	23.25	0.15	33.25	0.07
3.50	6.73	13.50	0.45	23.50	0.15	33.50	0.07
3.75	5.86	13.75	0.44	23.75	0.15	33.75	0.07
4.00	5.15	14.00	0.42	24.00	0.14	34.00	0.07
4.25	4.56	14.25	0.41	24.25	0.14	34.25	0.07
4.50	4.07	14.50	0.39	24.50	0.14	34.50	0.07
4.75	3.65	14.75	0.38	24.75	0.13	34.75	0.07
5.00	3.30	15.00	0.37	25.00	0.13	35.00	0.07
5.25	2.99	15.25	0.35	25.25	0.13	35.25	0.07
5.50	2.72	15.50	0.34	25.50	0.13	35.50	0.07
5.75	2.49	15.75	0.33	25.75	0.12	35.75	0.06
6.00	2.29	16.00	0.32	26.00	0.12	36.00	0.06
6.25	2.11	16.25	0.31	26.25	0.12	36.25	0.06
6.50	1.95	16.50	0.30	26.50	0.12	36.50	0.06
6.75	1.81	16.75	0.29	26.75	0.12	36.75	0.06
7.00	1.68	17.00	0.29	27.00	0.11	37.00	0.06
7.25	1.57	17.25	0.28	27.25	0.11	37.25	0.06
7.50	1.47	17.50	0.27	27.50	0.11	37.50	0.06
7.75	1.37	17.75	0.26	27.75	0.11	37.75	0.06
8.00	1.29	18.00	0.25	28.00	0.11	38.00	0.06
8.25	1.21	18.25	0.25	28.25	0.10	38.25	0.06
8.50	1.14	18.50	0.24	28.50	0.10	38.50	0.06
8.75	1.08	18.75	0.23	28.75	0.10	38.75	0.05
9.00	1.02	19.00	0.23	29.00	0.10	39.00	0.05
9.25	0.96	19.25	0.22	29.25	0.10	39.25	0.05
9.50	0.91	19.50	0.22	29.50	0.09	39.50	0.05
9.75	0.87	19.75	0.21	29.75	0.09	39.75	0.05
10.00	0.82	20.00	0.21	30.00	0.09	40.00	0.05

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 1 – 70%

SMART Meter Power Density Computer Modeling

(1 SMART Meter only – 60% reflections)

Meters 1 Electric Meter

Time Avg: 70% % Reflection 60%

Distance where limits are exceeded			
FCC ft. 0.35		4.26 Inches	
BioInitiative ft. 28.70		344.40 Inches	

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.05	54.25	0.03	68.25	0.02	82.25	0.01
40.50	0.05	54.50	0.03	68.50	0.02	82.50	0.01
40.75	0.05	54.75	0.03	68.75	0.02	82.75	0.01
41.00	0.05	55.00	0.03	69.00	0.02	83.00	0.01
41.25	0.05	55.25	0.03	69.25	0.02	83.25	0.01
41.50	0.05	55.50	0.03	69.50	0.02	83.50	0.01
41.75	0.05	55.75	0.03	69.75	0.02	83.75	0.01
42.00	0.05	56.00	0.03	70.00	0.02	84.00	0.01
42.25	0.05	56.25	0.03	70.25	0.02	84.25	0.01
42.50	0.05	56.50	0.03	70.50	0.02	84.50	0.01
42.75	0.05	56.75	0.03	70.75	0.02	84.75	0.01
43.00	0.04	57.00	0.03	71.00	0.02	85.00	0.01
43.25	0.04	57.25	0.03	71.25	0.02	85.25	0.01
43.50	0.04	57.50	0.02	71.50	0.02	85.50	0.01
43.75	0.04	57.75	0.02	71.75	0.02	85.75	0.01
44.00	0.04	58.00	0.02	72.00	0.02	86.00	0.01
44.25	0.04	58.25	0.02	72.25	0.02	86.25	0.01
44.50	0.04	58.50	0.02	72.50	0.02	86.50	0.01
44.75	0.04	58.75	0.02	72.75	0.02	86.75	0.01
45.00	0.04	59.00	0.02	73.00	0.02	87.00	0.01
45.25	0.04	59.25	0.02	73.25	0.02	87.25	0.01
45.50	0.04	59.50	0.02	73.50	0.02	87.50	0.01
45.75	0.04	59.75	0.02	73.75	0.02	87.75	0.01
46.00	0.04	60.00	0.02	74.00	0.02	88.00	0.01
46.25	0.04	60.25	0.02	74.25	0.01	88.25	0.01
46.50	0.04	60.50	0.02	74.50	0.01	88.50	0.01
46.75	0.04	60.75	0.02	74.75	0.01	88.75	0.01
47.00	0.04	61.00	0.02	75.00	0.01	89.00	0.01
47.25	0.04	61.25	0.02	75.25	0.01	89.25	0.01
47.50	0.04	61.50	0.02	75.50	0.01	89.50	0.01
47.75	0.04	61.75	0.02	75.75	0.01	89.75	0.01
48.00	0.04	62.00	0.02	76.00	0.01	90.00	0.01
48.25	0.04	62.25	0.02	76.25	0.01	90.25	0.01
48.50	0.04	62.50	0.02	76.50	0.01	90.50	0.01
48.75	0.03	62.75	0.02	76.75	0.01	90.75	0.01
49.00	0.03	63.00	0.02	77.00	0.01	91.00	0.01
49.25	0.03	63.25	0.02	77.25	0.01	91.25	0.01
49.50	0.03	63.50	0.02	77.50	0.01	91.50	0.01
49.75	0.03	63.75	0.02	77.75	0.01	91.75	0.01
50.00	0.03	64.00	0.02	78.00	0.01	92.00	0.01
50.25	0.03	64.25	0.02	78.25	0.01	92.25	0.01
50.50	0.03	64.50	0.02	78.50	0.01	92.50	0.01
50.75	0.03	64.75	0.02	78.75	0.01	92.75	0.01
51.00	0.03	65.00	0.02	79.00	0.01	93.00	0.01
51.25	0.03	65.25	0.02	79.25	0.01	93.25	0.01
51.50	0.03	65.50	0.02	79.50	0.01	93.50	0.01
51.75	0.03	65.75	0.02	79.75	0.01	93.75	0.01
52.00	0.03	66.00	0.02	80.00	0.01	94.00	0.01
52.25	0.03	66.25	0.02	80.25	0.01	94.25	0.01
52.50	0.03	66.50	0.02	80.50	0.01	94.50	0.01
52.75	0.03	66.75	0.02	80.75	0.01	94.75	0.01
53.00	0.03	67.00	0.02	81.00	0.01	95.00	0.01
53.25	0.03	67.25	0.02	81.25	0.01	95.25	0.01
53.50	0.03	67.50	0.02	81.50	0.01	95.50	0.01
53.75	0.03	67.75	0.02	81.75	0.01	95.75	0.01
54.00	0.03	68.00	0.02	82.00	0.01	96.00	0.01

Table 1 – 70%

SMART Meter Power Density Computer Modeling

(1 SMART Meter only – 60% reflections)

Meters 1 Electric Meter

Time Avg: 80% % Reflection 60%

Distance where limits are exceeded			
FCC ft.	0.38	4.6	Inches
BioInitiative ft.	30.70	368.4	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	1507.12	10.25	0.90	20.25	0.23	30.25	0.10
0.50	376.78	10.50	0.85	20.50	0.22	30.50	0.10
0.75	167.46	10.75	0.82	20.75	0.22	30.75	0.10
1.00	94.20	11.00	0.78	21.00	0.21	31.00	0.10
1.25	60.28	11.25	0.74	21.25	0.21	31.25	0.10
1.50	41.86	11.50	0.71	21.50	0.20	31.50	0.09
1.75	30.76	11.75	0.68	21.75	0.20	31.75	0.09
2.00	23.55	12.00	0.65	22.00	0.19	32.00	0.09
2.25	18.61	12.25	0.63	22.25	0.19	32.25	0.09
2.50	15.07	12.50	0.60	22.50	0.19	32.50	0.09
2.75	12.46	12.75	0.58	22.75	0.18	32.75	0.09
3.00	10.47	13.00	0.56	23.00	0.18	33.00	0.09
3.25	8.92	13.25	0.54	23.25	0.17	33.25	0.09
3.50	7.69	13.50	0.52	23.50	0.17	33.50	0.08
3.75	6.70	13.75	0.50	23.75	0.17	33.75	0.08
4.00	5.89	14.00	0.48	24.00	0.16	34.00	0.08
4.25	5.21	14.25	0.46	24.25	0.16	34.25	0.08
4.50	4.65	14.50	0.45	24.50	0.16	34.50	0.08
4.75	4.17	14.75	0.43	24.75	0.15	34.75	0.08
5.00	3.77	15.00	0.42	25.00	0.15	35.00	0.08
5.25	3.42	15.25	0.41	25.25	0.15	35.25	0.08
5.50	3.11	15.50	0.39	25.50	0.14	35.50	0.07
5.75	2.85	15.75	0.38	25.75	0.14	35.75	0.07
6.00	2.62	16.00	0.37	26.00	0.14	36.00	0.07
6.25	2.41	16.25	0.36	26.25	0.14	36.25	0.07
6.50	2.23	16.50	0.35	26.50	0.13	36.50	0.07
6.75	2.07	16.75	0.34	26.75	0.13	36.75	0.07
7.00	1.92	17.00	0.33	27.00	0.13	37.00	0.07
7.25	1.79	17.25	0.32	27.25	0.13	37.25	0.07
7.50	1.67	17.50	0.31	27.50	0.12	37.50	0.07
7.75	1.57	17.75	0.30	27.75	0.12	37.75	0.07
8.00	1.47	18.00	0.29	28.00	0.12	38.00	0.07
8.25	1.38	18.25	0.28	28.25	0.12	38.25	0.06
8.50	1.30	18.50	0.28	28.50	0.12	38.50	0.06
8.75	1.23	18.75	0.27	28.75	0.11	38.75	0.06
9.00	1.16	19.00	0.26	29.00	0.11	39.00	0.06
9.25	1.10	19.25	0.25	29.25	0.11	39.25	0.06
9.50	1.04	19.50	0.25	29.50	0.11	39.50	0.06
9.75	0.99	19.75	0.24	29.75	0.11	39.75	0.06
10.00	0.94	20.00	0.24	30.00	0.10	40.00	0.06

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 1 – 80%

SMART Meter Power Density Computer Modeling

(1 SMART Meter only – 60% reflections)

Meters 1 Electric Meter

Time Avg: 80% % Reflection 60%

Distance where limits are exceeded			
FCC ft.	0.38	4.55	Inches
BioInitiative ft.	30.70	368.40	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.06	54.25	0.03	68.25	0.02	82.25	0.01
40.50	0.06	54.50	0.03	68.50	0.02	82.50	0.01
40.75	0.06	54.75	0.03	68.75	0.02	82.75	0.01
41.00	0.06	55.00	0.03	69.00	0.02	83.00	0.01
41.25	0.06	55.25	0.03	69.25	0.02	83.25	0.01
41.50	0.05	55.50	0.03	69.50	0.02	83.50	0.01
41.75	0.05	55.75	0.03	69.75	0.02	83.75	0.01
42.00	0.05	56.00	0.03	70.00	0.02	84.00	0.01
42.25	0.05	56.25	0.03	70.25	0.02	84.25	0.01
42.50	0.05	56.50	0.03	70.50	0.02	84.50	0.01
42.75	0.05	56.75	0.03	70.75	0.02	84.75	0.01
43.00	0.05	57.00	0.03	71.00	0.02	85.00	0.01
43.25	0.05	57.25	0.03	71.25	0.02	85.25	0.01
43.50	0.05	57.50	0.03	71.50	0.02	85.50	0.01
43.75	0.05	57.75	0.03	71.75	0.02	85.75	0.01
44.00	0.05	58.00	0.03	72.00	0.02	86.00	0.01
44.25	0.05	58.25	0.03	72.25	0.02	86.25	0.01
44.50	0.05	58.50	0.03	72.50	0.02	86.50	0.01
44.75	0.05	58.75	0.03	72.75	0.02	86.75	0.01
45.00	0.05	59.00	0.03	73.00	0.02	87.00	0.01
45.25	0.05	59.25	0.03	73.25	0.02	87.25	0.01
45.50	0.05	59.50	0.03	73.50	0.02	87.50	0.01
45.75	0.05	59.75	0.03	73.75	0.02	87.75	0.01
46.00	0.04	60.00	0.03	74.00	0.02	88.00	0.01
46.25	0.04	60.25	0.03	74.25	0.02	88.25	0.01
46.50	0.04	60.50	0.03	74.50	0.02	88.50	0.01
46.75	0.04	60.75	0.03	74.75	0.02	88.75	0.01
47.00	0.04	61.00	0.03	75.00	0.02	89.00	0.01
47.25	0.04	61.25	0.03	75.25	0.02	89.25	0.01
47.50	0.04	61.50	0.02	75.50	0.02	89.50	0.01
47.75	0.04	61.75	0.02	75.75	0.02	89.75	0.01
48.00	0.04	62.00	0.02	76.00	0.02	90.00	0.01
48.25	0.04	62.25	0.02	76.25	0.02	90.25	0.01
48.50	0.04	62.50	0.02	76.50	0.02	90.50	0.01
48.75	0.04	62.75	0.02	76.75	0.02	90.75	0.01
49.00	0.04	63.00	0.02	77.00	0.02	91.00	0.01
49.25	0.04	63.25	0.02	77.25	0.02	91.25	0.01
49.50	0.04	63.50	0.02	77.50	0.02	91.50	0.01
49.75	0.04	63.75	0.02	77.75	0.02	91.75	0.01
50.00	0.04	64.00	0.02	78.00	0.02	92.00	0.01
50.25	0.04	64.25	0.02	78.25	0.02	92.25	0.01
50.50	0.04	64.50	0.02	78.50	0.02	92.50	0.01
50.75	0.04	64.75	0.02	78.75	0.02	92.75	0.01
51.00	0.04	65.00	0.02	79.00	0.02	93.00	0.01
51.25	0.04	65.25	0.02	79.25	0.01	93.25	0.01
51.50	0.04	65.50	0.02	79.50	0.01	93.50	0.01
51.75	0.04	65.75	0.02	79.75	0.01	93.75	0.01
52.00	0.03	66.00	0.02	80.00	0.01	94.00	0.01
52.25	0.03	66.25	0.02	80.25	0.01	94.25	0.01
52.50	0.03	66.50	0.02	80.50	0.01	94.50	0.01
52.75	0.03	66.75	0.02	80.75	0.01	94.75	0.01
53.00	0.03	67.00	0.02	81.00	0.01	95.00	0.01
53.25	0.03	67.25	0.02	81.25	0.01	95.25	0.01
53.50	0.03	67.50	0.02	81.50	0.01	95.50	0.01
53.75	0.03	67.75	0.02	81.75	0.01	95.75	0.01
54.00	0.03	68.00	0.02	82.00	0.01	96.00	0.01

Table 1 – 80%

SMART Meter Power Density Computer Modeling

(1 SMART Meter only – 60% reflections)

Meters 1 Electric Meter

Time Avg: 90% % Reflection 60%

Distance where limits are exceeded			
FCC ft.	0.40	4.8	Inches
BioInitiative ft.	32.60	391.2	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	1695.51	10.25	1.01	20.25	0.26	30.25	0.12
0.50	423.88	10.50	0.96	20.50	0.25	30.50	0.11
0.75	188.39	10.75	0.92	20.75	0.25	30.75	0.11
1.00	105.97	11.00	0.88	21.00	0.24	31.00	0.11
1.25	67.82	11.25	0.84	21.25	0.23	31.25	0.11
1.50	47.10	11.50	0.80	21.50	0.23	31.50	0.11
1.75	34.60	11.75	0.77	21.75	0.22	31.75	0.11
2.00	26.49	12.00	0.74	22.00	0.22	32.00	0.10
2.25	20.93	12.25	0.71	22.25	0.21	32.25	0.10
2.50	16.96	12.50	0.68	22.50	0.21	32.50	0.10
2.75	14.01	12.75	0.65	22.75	0.20	32.75	0.10
3.00	11.77	13.00	0.63	23.00	0.20	33.00	0.10
3.25	10.03	13.25	0.60	23.25	0.20	33.25	0.10
3.50	8.65	13.50	0.58	23.50	0.19	33.50	0.09
3.75	7.54	13.75	0.56	23.75	0.19	33.75	0.09
4.00	6.62	14.00	0.54	24.00	0.18	34.00	0.09
4.25	5.87	14.25	0.52	24.25	0.18	34.25	0.09
4.50	5.23	14.50	0.50	24.50	0.18	34.50	0.09
4.75	4.70	14.75	0.49	24.75	0.17	34.75	0.09
5.00	4.24	15.00	0.47	25.00	0.17	35.00	0.09
5.25	3.84	15.25	0.46	25.25	0.17	35.25	0.09
5.50	3.50	15.50	0.44	25.50	0.16	35.50	0.08
5.75	3.21	15.75	0.43	25.75	0.16	35.75	0.08
6.00	2.94	16.00	0.41	26.00	0.16	36.00	0.08
6.25	2.71	16.25	0.40	26.25	0.15	36.25	0.08
6.50	2.51	16.50	0.39	26.50	0.15	36.50	0.08
6.75	2.33	16.75	0.38	26.75	0.15	36.75	0.08
7.00	2.16	17.00	0.37	27.00	0.15	37.00	0.08
7.25	2.02	17.25	0.36	27.25	0.14	37.25	0.08
7.50	1.88	17.50	0.35	27.50	0.14	37.50	0.08
7.75	1.76	17.75	0.34	27.75	0.14	37.75	0.07
8.00	1.66	18.00	0.33	28.00	0.14	38.00	0.07
8.25	1.56	18.25	0.32	28.25	0.13	38.25	0.07
8.50	1.47	18.50	0.31	28.50	0.13	38.50	0.07
8.75	1.38	18.75	0.30	28.75	0.13	38.75	0.07
9.00	1.31	19.00	0.29	29.00	0.13	39.00	0.07
9.25	1.24	19.25	0.29	29.25	0.12	39.25	0.07
9.50	1.17	19.50	0.28	29.50	0.12	39.50	0.07
9.75	1.11	19.75	0.27	29.75	0.12	39.75	0.07
10.00	1.06	20.00	0.26	30.00	0.12	40.00	0.07

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 1 – 90%

SMART Meter Power Density Computer Modeling

(1 SMART Meter only – 60% reflections)

Meters 1 Electric Meter

Time Avg: 90% % Reflection 60%

Distance where limits are exceeded			
FCC ft. 0.40		4.83 Inches	
BioInitiative ft. 32.60		391.20 Inches	

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.07	54.25	0.04	68.25	0.02	82.25	0.02
40.50	0.06	54.50	0.04	68.50	0.02	82.50	0.02
40.75	0.06	54.75	0.04	68.75	0.02	82.75	0.02
41.00	0.06	55.00	0.04	69.00	0.02	83.00	0.02
41.25	0.06	55.25	0.03	69.25	0.02	83.25	0.02
41.50	0.06	55.50	0.03	69.50	0.02	83.50	0.02
41.75	0.06	55.75	0.03	69.75	0.02	83.75	0.02
42.00	0.06	56.00	0.03	70.00	0.02	84.00	0.02
42.25	0.06	56.25	0.03	70.25	0.02	84.25	0.01
42.50	0.06	56.50	0.03	70.50	0.02	84.50	0.01
42.75	0.06	56.75	0.03	70.75	0.02	84.75	0.01
43.00	0.06	57.00	0.03	71.00	0.02	85.00	0.01
43.25	0.06	57.25	0.03	71.25	0.02	85.25	0.01
43.50	0.06	57.50	0.03	71.50	0.02	85.50	0.01
43.75	0.06	57.75	0.03	71.75	0.02	85.75	0.01
44.00	0.05	58.00	0.03	72.00	0.02	86.00	0.01
44.25	0.05	58.25	0.03	72.25	0.02	86.25	0.01
44.50	0.05	58.50	0.03	72.50	0.02	86.50	0.01
44.75	0.05	58.75	0.03	72.75	0.02	86.75	0.01
45.00	0.05	59.00	0.03	73.00	0.02	87.00	0.01
45.25	0.05	59.25	0.03	73.25	0.02	87.25	0.01
45.50	0.05	59.50	0.03	73.50	0.02	87.50	0.01
45.75	0.05	59.75	0.03	73.75	0.02	87.75	0.01
46.00	0.05	60.00	0.03	74.00	0.02	88.00	0.01
46.25	0.05	60.25	0.03	74.25	0.02	88.25	0.01
46.50	0.05	60.50	0.03	74.50	0.02	88.50	0.01
46.75	0.05	60.75	0.03	74.75	0.02	88.75	0.01
47.00	0.05	61.00	0.03	75.00	0.02	89.00	0.01
47.25	0.05	61.25	0.03	75.25	0.02	89.25	0.01
47.50	0.05	61.50	0.03	75.50	0.02	89.50	0.01
47.75	0.05	61.75	0.03	75.75	0.02	89.75	0.01
48.00	0.05	62.00	0.03	76.00	0.02	90.00	0.01
48.25	0.05	62.25	0.03	76.25	0.02	90.25	0.01
48.50	0.05	62.50	0.03	76.50	0.02	90.50	0.01
48.75	0.04	62.75	0.03	76.75	0.02	90.75	0.01
49.00	0.04	63.00	0.03	77.00	0.02	91.00	0.01
49.25	0.04	63.25	0.03	77.25	0.02	91.25	0.01
49.50	0.04	63.50	0.03	77.50	0.02	91.50	0.01
49.75	0.04	63.75	0.03	77.75	0.02	91.75	0.01
50.00	0.04	64.00	0.03	78.00	0.02	92.00	0.01
50.25	0.04	64.25	0.03	78.25	0.02	92.25	0.01
50.50	0.04	64.50	0.03	78.50	0.02	92.50	0.01
50.75	0.04	64.75	0.03	78.75	0.02	92.75	0.01
51.00	0.04	65.00	0.03	79.00	0.02	93.00	0.01
51.25	0.04	65.25	0.02	79.25	0.02	93.25	0.01
51.50	0.04	65.50	0.02	79.50	0.02	93.50	0.01
51.75	0.04	65.75	0.02	79.75	0.02	93.75	0.01
52.00	0.04	66.00	0.02	80.00	0.02	94.00	0.01
52.25	0.04	66.25	0.02	80.25	0.02	94.25	0.01
52.50	0.04	66.50	0.02	80.50	0.02	94.50	0.01
52.75	0.04	66.75	0.02	80.75	0.02	94.75	0.01
53.00	0.04	67.00	0.02	81.00	0.02	95.00	0.01
53.25	0.04	67.25	0.02	81.25	0.02	95.25	0.01
53.50	0.04	67.50	0.02	81.50	0.02	95.50	0.01
53.75	0.04	67.75	0.02	81.75	0.02	95.75	0.01
54.00	0.04	68.00	0.02	82.00	0.02	96.00	0.01

Table 1 – 90%

SMART Meter Power Density Computer Modeling

(1 SMART Meter only – 100% reflections)

Meters 1 Electric Meter

Time Avg: 1% % Reflection 100%

Distance where limits are exceeded

FCC ft.	0.05	0.6	Inches
BioInitiative ft.	4.28	51.4	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	29.44	10.25	0.02	20.25	0.00	30.25	0.00
0.50	7.36	10.50	0.02	20.50	0.00	30.50	0.00
0.75	3.27	10.75	0.02	20.75	0.00	30.75	0.00
1.00	1.84	11.00	0.02	21.00	0.00	31.00	0.00
1.25	1.18	11.25	0.01	21.25	0.00	31.25	0.00
1.50	0.82	11.50	0.01	21.50	0.00	31.50	0.00
1.75	0.60	11.75	0.01	21.75	0.00	31.75	0.00
2.00	0.46	12.00	0.01	22.00	0.00	32.00	0.00
2.25	0.36	12.25	0.01	22.25	0.00	32.25	0.00
2.50	0.29	12.50	0.01	22.50	0.00	32.50	0.00
2.75	0.24	12.75	0.01	22.75	0.00	32.75	0.00
3.00	0.20	13.00	0.01	23.00	0.00	33.00	0.00
3.25	0.17	13.25	0.01	23.25	0.00	33.25	0.00
3.50	0.15	13.50	0.01	23.50	0.00	33.50	0.00
3.75	0.13	13.75	0.01	23.75	0.00	33.75	0.00
4.00	0.11	14.00	0.01	24.00	0.00	34.00	0.00
4.25	0.10	14.25	0.01	24.25	0.00	34.25	0.00
4.50	0.09	14.50	0.01	24.50	0.00	34.50	0.00
4.75	0.08	14.75	0.01	24.75	0.00	34.75	0.00
5.00	0.07	15.00	0.01	25.00	0.00	35.00	0.00
5.25	0.07	15.25	0.01	25.25	0.00	35.25	0.00
5.50	0.06	15.50	0.01	25.50	0.00	35.50	0.00
5.75	0.06	15.75	0.01	25.75	0.00	35.75	0.00
6.00	0.05	16.00	0.01	26.00	0.00	36.00	0.00
6.25	0.05	16.25	0.01	26.25	0.00	36.25	0.00
6.50	0.04	16.50	0.01	26.50	0.00	36.50	0.00
6.75	0.04	16.75	0.01	26.75	0.00	36.75	0.00
7.00	0.04	17.00	0.01	27.00	0.00	37.00	0.00
7.25	0.04	17.25	0.01	27.25	0.00	37.25	0.00
7.50	0.03	17.50	0.01	27.50	0.00	37.50	0.00
7.75	0.03	17.75	0.01	27.75	0.00	37.75	0.00
8.00	0.03	18.00	0.01	28.00	0.00	38.00	0.00
8.25	0.03	18.25	0.01	28.25	0.00	38.25	0.00
8.50	0.03	18.50	0.01	28.50	0.00	38.50	0.00
8.75	0.02	18.75	0.01	28.75	0.00	38.75	0.00
9.00	0.02	19.00	0.01	29.00	0.00	39.00	0.00
9.25	0.02	19.25	0.00	29.25	0.00	39.25	0.00
9.50	0.02	19.50	0.00	29.50	0.00	39.50	0.00
9.75	0.02	19.75	0.00	29.75	0.00	39.75	0.00
10.00	0.02	20.00	0.00	30.00	0.00	40.00	0.00

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 2 – 1%

SMART Meter Power Density Computer Modeling

(1 SMART Meter only – 100% reflections)

Meters 1 Electric Meter

Time Avg: 1% % Reflection 100%

Distance where limits are exceeded		
FCC ft. 0.05	0.64 Inches	
BioInitiative ft. 4.28	51.36 Inches	

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.00	54.25	0.00	68.25	0.00	82.25	0.00
40.50	0.00	54.50	0.00	68.50	0.00	82.50	0.00
40.75	0.00	54.75	0.00	68.75	0.00	82.75	0.00
41.00	0.00	55.00	0.00	69.00	0.00	83.00	0.00
41.25	0.00	55.25	0.00	69.25	0.00	83.25	0.00
41.50	0.00	55.50	0.00	69.50	0.00	83.50	0.00
41.75	0.00	55.75	0.00	69.75	0.00	83.75	0.00
42.00	0.00	56.00	0.00	70.00	0.00	84.00	0.00
42.25	0.00	56.25	0.00	70.25	0.00	84.25	0.00
42.50	0.00	56.50	0.00	70.50	0.00	84.50	0.00
42.75	0.00	56.75	0.00	70.75	0.00	84.75	0.00
43.00	0.00	57.00	0.00	71.00	0.00	85.00	0.00
43.25	0.00	57.25	0.00	71.25	0.00	85.25	0.00
43.50	0.00	57.50	0.00	71.50	0.00	85.50	0.00
43.75	0.00	57.75	0.00	71.75	0.00	85.75	0.00
44.00	0.00	58.00	0.00	72.00	0.00	86.00	0.00
44.25	0.00	58.25	0.00	72.25	0.00	86.25	0.00
44.50	0.00	58.50	0.00	72.50	0.00	86.50	0.00
44.75	0.00	58.75	0.00	72.75	0.00	86.75	0.00
45.00	0.00	59.00	0.00	73.00	0.00	87.00	0.00
45.25	0.00	59.25	0.00	73.25	0.00	87.25	0.00
45.50	0.00	59.50	0.00	73.50	0.00	87.50	0.00
45.75	0.00	59.75	0.00	73.75	0.00	87.75	0.00
46.00	0.00	60.00	0.00	74.00	0.00	88.00	0.00
46.25	0.00	60.25	0.00	74.25	0.00	88.25	0.00
46.50	0.00	60.50	0.00	74.50	0.00	88.50	0.00
46.75	0.00	60.75	0.00	74.75	0.00	88.75	0.00
47.00	0.00	61.00	0.00	75.00	0.00	89.00	0.00
47.25	0.00	61.25	0.00	75.25	0.00	89.25	0.00
47.50	0.00	61.50	0.00	75.50	0.00	89.50	0.00
47.75	0.00	61.75	0.00	75.75	0.00	89.75	0.00
48.00	0.00	62.00	0.00	76.00	0.00	90.00	0.00
48.25	0.00	62.25	0.00	76.25	0.00	90.25	0.00
48.50	0.00	62.50	0.00	76.50	0.00	90.50	0.00
48.75	0.00	62.75	0.00	76.75	0.00	90.75	0.00
49.00	0.00	63.00	0.00	77.00	0.00	91.00	0.00
49.25	0.00	63.25	0.00	77.25	0.00	91.25	0.00
49.50	0.00	63.50	0.00	77.50	0.00	91.50	0.00
49.75	0.00	63.75	0.00	77.75	0.00	91.75	0.00
50.00	0.00	64.00	0.00	78.00	0.00	92.00	0.00
50.25	0.00	64.25	0.00	78.25	0.00	92.25	0.00
50.50	0.00	64.50	0.00	78.50	0.00	92.50	0.00
50.75	0.00	64.75	0.00	78.75	0.00	92.75	0.00
51.00	0.00	65.00	0.00	79.00	0.00	93.00	0.00
51.25	0.00	65.25	0.00	79.25	0.00	93.25	0.00
51.50	0.00	65.50	0.00	79.50	0.00	93.50	0.00
51.75	0.00	65.75	0.00	79.75	0.00	93.75	0.00
52.00	0.00	66.00	0.00	80.00	0.00	94.00	0.00
52.25	0.00	66.25	0.00	80.25	0.00	94.25	0.00
52.50	0.00	66.50	0.00	80.50	0.00	94.50	0.00
52.75	0.00	66.75	0.00	80.75	0.00	94.75	0.00
53.00	0.00	67.00	0.00	81.00	0.00	95.00	0.00
53.25	0.00	67.25	0.00	81.25	0.00	95.25	0.00
53.50	0.00	67.50	0.00	81.50	0.00	95.50	0.00
53.75	0.00	67.75	0.00	81.75	0.00	95.75	0.00
54.00	0.00	68.00	0.00	82.00	0.00	96.00	0.00

Table 2 – 1%

SMART Meter Power Density Computer Modeling

(1 SMART Meter only – 100% reflections)

Meters 1 Electric Meter

Time Avg: 10% % Reflection 100%

Distance where limits are exceeded		
FCC ft.	0.17	2.0 Inches
BioInitiative ft.	13.55	162.6 Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	294.36	10.25	0.18	20.25	0.04	30.25	0.02
0.50	73.59	10.50	0.17	20.50	0.04	30.50	0.02
0.75	32.71	10.75	0.16	20.75	0.04	30.75	0.02
1.00	18.40	11.00	0.15	21.00	0.04	31.00	0.02
1.25	11.77	11.25	0.15	21.25	0.04	31.25	0.02
1.50	8.18	11.50	0.14	21.50	0.04	31.50	0.02
1.75	6.01	11.75	0.13	21.75	0.04	31.75	0.02
2.00	4.60	12.00	0.13	22.00	0.04	32.00	0.02
2.25	3.63	12.25	0.12	22.25	0.04	32.25	0.02
2.50	2.94	12.50	0.12	22.50	0.04	32.50	0.02
2.75	2.43	12.75	0.11	22.75	0.04	32.75	0.02
3.00	2.04	13.00	0.11	23.00	0.03	33.00	0.02
3.25	1.74	13.25	0.10	23.25	0.03	33.25	0.02
3.50	1.50	13.50	0.10	23.50	0.03	33.50	0.02
3.75	1.31	13.75	0.10	23.75	0.03	33.75	0.02
4.00	1.15	14.00	0.09	24.00	0.03	34.00	0.02
4.25	1.02	14.25	0.09	24.25	0.03	34.25	0.02
4.50	0.91	14.50	0.09	24.50	0.03	34.50	0.02
4.75	0.82	14.75	0.08	24.75	0.03	34.75	0.02
5.00	0.74	15.00	0.08	25.00	0.03	35.00	0.02
5.25	0.67	15.25	0.08	25.25	0.03	35.25	0.01
5.50	0.61	15.50	0.08	25.50	0.03	35.50	0.01
5.75	0.56	15.75	0.07	25.75	0.03	35.75	0.01
6.00	0.51	16.00	0.07	26.00	0.03	36.00	0.01
6.25	0.47	16.25	0.07	26.25	0.03	36.25	0.01
6.50	0.44	16.50	0.07	26.50	0.03	36.50	0.01
6.75	0.40	16.75	0.07	26.75	0.03	36.75	0.01
7.00	0.38	17.00	0.06	27.00	0.03	37.00	0.01
7.25	0.35	17.25	0.06	27.25	0.02	37.25	0.01
7.50	0.33	17.50	0.06	27.50	0.02	37.50	0.01
7.75	0.31	17.75	0.06	27.75	0.02	37.75	0.01
8.00	0.29	18.00	0.06	28.00	0.02	38.00	0.01
8.25	0.27	18.25	0.06	28.25	0.02	38.25	0.01
8.50	0.25	18.50	0.05	28.50	0.02	38.50	0.01
8.75	0.24	18.75	0.05	28.75	0.02	38.75	0.01
9.00	0.23	19.00	0.05	29.00	0.02	39.00	0.01
9.25	0.22	19.25	0.05	29.25	0.02	39.25	0.01
9.50	0.20	19.50	0.05	29.50	0.02	39.50	0.01
9.75	0.19	19.75	0.05	29.75	0.02	39.75	0.01
10.00	0.18	20.00	0.05	30.00	0.02	40.00	0.01

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 2 – 10%

SMART Meter Power Density Computer Modeling

(1 SMART Meter only – 100% reflections)

Meters 1 Electric Meter

Time Avg: 10% % Reflection 100%

Distance where limits are exceeded			
FCC ft. 0.17		2.01 Inches	
BioInitiative ft. 13.55		162.60 Inches	

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.01	54.25	0.01	68.25	0.00	82.25	0.00
40.50	0.01	54.50	0.01	68.50	0.00	82.50	0.00
40.75	0.01	54.75	0.01	68.75	0.00	82.75	0.00
41.00	0.01	55.00	0.01	69.00	0.00	83.00	0.00
41.25	0.01	55.25	0.01	69.25	0.00	83.25	0.00
41.50	0.01	55.50	0.01	69.50	0.00	83.50	0.00
41.75	0.01	55.75	0.01	69.75	0.00	83.75	0.00
42.00	0.01	56.00	0.01	70.00	0.00	84.00	0.00
42.25	0.01	56.25	0.01	70.25	0.00	84.25	0.00
42.50	0.01	56.50	0.01	70.50	0.00	84.50	0.00
42.75	0.01	56.75	0.01	70.75	0.00	84.75	0.00
43.00	0.01	57.00	0.01	71.00	0.00	85.00	0.00
43.25	0.01	57.25	0.01	71.25	0.00	85.25	0.00
43.50	0.01	57.50	0.01	71.50	0.00	85.50	0.00
43.75	0.01	57.75	0.01	71.75	0.00	85.75	0.00
44.00	0.01	58.00	0.01	72.00	0.00	86.00	0.00
44.25	0.01	58.25	0.01	72.25	0.00	86.25	0.00
44.50	0.01	58.50	0.01	72.50	0.00	86.50	0.00
44.75	0.01	58.75	0.01	72.75	0.00	86.75	0.00
45.00	0.01	59.00	0.01	73.00	0.00	87.00	0.00
45.25	0.01	59.25	0.01	73.25	0.00	87.25	0.00
45.50	0.01	59.50	0.01	73.50	0.00	87.50	0.00
45.75	0.01	59.75	0.01	73.75	0.00	87.75	0.00
46.00	0.01	60.00	0.01	74.00	0.00	88.00	0.00
46.25	0.01	60.25	0.01	74.25	0.00	88.25	0.00
46.50	0.01	60.50	0.01	74.50	0.00	88.50	0.00
46.75	0.01	60.75	0.00	74.75	0.00	88.75	0.00
47.00	0.01	61.00	0.00	75.00	0.00	89.00	0.00
47.25	0.01	61.25	0.00	75.25	0.00	89.25	0.00
47.50	0.01	61.50	0.00	75.50	0.00	89.50	0.00
47.75	0.01	61.75	0.00	75.75	0.00	89.75	0.00
48.00	0.01	62.00	0.00	76.00	0.00	90.00	0.00
48.25	0.01	62.25	0.00	76.25	0.00	90.25	0.00
48.50	0.01	62.50	0.00	76.50	0.00	90.50	0.00
48.75	0.01	62.75	0.00	76.75	0.00	90.75	0.00
49.00	0.01	63.00	0.00	77.00	0.00	91.00	0.00
49.25	0.01	63.25	0.00	77.25	0.00	91.25	0.00
49.50	0.01	63.50	0.00	77.50	0.00	91.50	0.00
49.75	0.01	63.75	0.00	77.75	0.00	91.75	0.00
50.00	0.01	64.00	0.00	78.00	0.00	92.00	0.00
50.25	0.01	64.25	0.00	78.25	0.00	92.25	0.00
50.50	0.01	64.50	0.00	78.50	0.00	92.50	0.00
50.75	0.01	64.75	0.00	78.75	0.00	92.75	0.00
51.00	0.01	65.00	0.00	79.00	0.00	93.00	0.00
51.25	0.01	65.25	0.00	79.25	0.00	93.25	0.00
51.50	0.01	65.50	0.00	79.50	0.00	93.50	0.00
51.75	0.01	65.75	0.00	79.75	0.00	93.75	0.00
52.00	0.01	66.00	0.00	80.00	0.00	94.00	0.00
52.25	0.01	66.25	0.00	80.25	0.00	94.25	0.00
52.50	0.01	66.50	0.00	80.50	0.00	94.50	0.00
52.75	0.01	66.75	0.00	80.75	0.00	94.75	0.00
53.00	0.01	67.00	0.00	81.00	0.00	95.00	0.00
53.25	0.01	67.25	0.00	81.25	0.00	95.25	0.00
53.50	0.01	67.50	0.00	81.50	0.00	95.50	0.00
53.75	0.01	67.75	0.00	81.75	0.00	95.75	0.00
54.00	0.01	68.00	0.00	82.00	0.00	96.00	0.00

Table 2 – 10%

SMART Meter Power Density Computer Modeling

(1 SMART Meter only – 100% reflections)

Meters 1 Electric Meter

Time Avg: 20% % Reflection 100%

Distance where limits are exceeded			
FCC ft.	0.24	2.8	Inches
BioInitiative ft.	19.20	230.4	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	588.72	10.25	0.35	20.25	0.09	30.25	0.04
0.50	147.18	10.50	0.33	20.50	0.09	30.50	0.04
0.75	65.41	10.75	0.32	20.75	0.09	30.75	0.04
1.00	36.80	11.00	0.30	21.00	0.08	31.00	0.04
1.25	23.55	11.25	0.29	21.25	0.08	31.25	0.04
1.50	16.35	11.50	0.28	21.50	0.08	31.50	0.04
1.75	12.01	11.75	0.27	21.75	0.08	31.75	0.04
2.00	9.20	12.00	0.26	22.00	0.08	32.00	0.04
2.25	7.27	12.25	0.25	22.25	0.07	32.25	0.04
2.50	5.89	12.50	0.24	22.50	0.07	32.50	0.03
2.75	4.87	12.75	0.23	22.75	0.07	32.75	0.03
3.00	4.09	13.00	0.22	23.00	0.07	33.00	0.03
3.25	3.48	13.25	0.21	23.25	0.07	33.25	0.03
3.50	3.00	13.50	0.20	23.50	0.07	33.50	0.03
3.75	2.62	13.75	0.19	23.75	0.07	33.75	0.03
4.00	2.30	14.00	0.19	24.00	0.06	34.00	0.03
4.25	2.04	14.25	0.18	24.25	0.06	34.25	0.03
4.50	1.82	14.50	0.18	24.50	0.06	34.50	0.03
4.75	1.63	14.75	0.17	24.75	0.06	34.75	0.03
5.00	1.47	15.00	0.16	25.00	0.06	35.00	0.03
5.25	1.33	15.25	0.16	25.25	0.06	35.25	0.03
5.50	1.22	15.50	0.15	25.50	0.06	35.50	0.03
5.75	1.11	15.75	0.15	25.75	0.06	35.75	0.03
6.00	1.02	16.00	0.14	26.00	0.05	36.00	0.03
6.25	0.94	16.25	0.14	26.25	0.05	36.25	0.03
6.50	0.87	16.50	0.14	26.50	0.05	36.50	0.03
6.75	0.81	16.75	0.13	26.75	0.05	36.75	0.03
7.00	0.75	17.00	0.13	27.00	0.05	37.00	0.03
7.25	0.70	17.25	0.12	27.25	0.05	37.25	0.03
7.50	0.65	17.50	0.12	27.50	0.05	37.50	0.03
7.75	0.61	17.75	0.12	27.75	0.05	37.75	0.03
8.00	0.57	18.00	0.11	28.00	0.05	38.00	0.03
8.25	0.54	18.25	0.11	28.25	0.05	38.25	0.03
8.50	0.51	18.50	0.11	28.50	0.05	38.50	0.02
8.75	0.48	18.75	0.10	28.75	0.04	38.75	0.02
9.00	0.45	19.00	0.10	29.00	0.04	39.00	0.02
9.25	0.43	19.25	0.10	29.25	0.04	39.25	0.02
9.50	0.41	19.50	0.10	29.50	0.04	39.50	0.02
9.75	0.39	19.75	0.09	29.75	0.04	39.75	0.02
10.00	0.37	20.00	0.09	30.00	0.04	40.00	0.02

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 2 – 20%

SMART Meter Power Density Computer Modeling

(1 SMART Meter only – 100% reflections)

Meters 1 Electric Meter

Time Avg: 20% % Reflection 100%

Distance where limits are exceeded			
FCC ft. 0.24		2.85 Inches	
BioInitiative ft. 19.20		230.40 Inches	

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.02	54.25	0.01	68.25	0.01	82.25	0.01
40.50	0.02	54.50	0.01	68.50	0.01	82.50	0.01
40.75	0.02	54.75	0.01	68.75	0.01	82.75	0.01
41.00	0.02	55.00	0.01	69.00	0.01	83.00	0.01
41.25	0.02	55.25	0.01	69.25	0.01	83.25	0.01
41.50	0.02	55.50	0.01	69.50	0.01	83.50	0.01
41.75	0.02	55.75	0.01	69.75	0.01	83.75	0.01
42.00	0.02	56.00	0.01	70.00	0.01	84.00	0.01
42.25	0.02	56.25	0.01	70.25	0.01	84.25	0.01
42.50	0.02	56.50	0.01	70.50	0.01	84.50	0.01
42.75	0.02	56.75	0.01	70.75	0.01	84.75	0.01
43.00	0.02	57.00	0.01	71.00	0.01	85.00	0.01
43.25	0.02	57.25	0.01	71.25	0.01	85.25	0.01
43.50	0.02	57.50	0.01	71.50	0.01	85.50	0.01
43.75	0.02	57.75	0.01	71.75	0.01	85.75	0.01
44.00	0.02	58.00	0.01	72.00	0.01	86.00	0.00
44.25	0.02	58.25	0.01	72.25	0.01	86.25	0.00
44.50	0.02	58.50	0.01	72.50	0.01	86.50	0.00
44.75	0.02	58.75	0.01	72.75	0.01	86.75	0.00
45.00	0.02	59.00	0.01	73.00	0.01	87.00	0.00
45.25	0.02	59.25	0.01	73.25	0.01	87.25	0.00
45.50	0.02	59.50	0.01	73.50	0.01	87.50	0.00
45.75	0.02	59.75	0.01	73.75	0.01	87.75	0.00
46.00	0.02	60.00	0.01	74.00	0.01	88.00	0.00
46.25	0.02	60.25	0.01	74.25	0.01	88.25	0.00
46.50	0.02	60.50	0.01	74.50	0.01	88.50	0.00
46.75	0.02	60.75	0.01	74.75	0.01	88.75	0.00
47.00	0.02	61.00	0.01	75.00	0.01	89.00	0.00
47.25	0.02	61.25	0.01	75.25	0.01	89.25	0.00
47.50	0.02	61.50	0.01	75.50	0.01	89.50	0.00
47.75	0.02	61.75	0.01	75.75	0.01	89.75	0.00
48.00	0.02	62.00	0.01	76.00	0.01	90.00	0.00
48.25	0.02	62.25	0.01	76.25	0.01	90.25	0.00
48.50	0.02	62.50	0.01	76.50	0.01	90.50	0.00
48.75	0.02	62.75	0.01	76.75	0.01	90.75	0.00
49.00	0.02	63.00	0.01	77.00	0.01	91.00	0.00
49.25	0.02	63.25	0.01	77.25	0.01	91.25	0.00
49.50	0.02	63.50	0.01	77.50	0.01	91.50	0.00
49.75	0.01	63.75	0.01	77.75	0.01	91.75	0.00
50.00	0.01	64.00	0.01	78.00	0.01	92.00	0.00
50.25	0.01	64.25	0.01	78.25	0.01	92.25	0.00
50.50	0.01	64.50	0.01	78.50	0.01	92.50	0.00
50.75	0.01	64.75	0.01	78.75	0.01	92.75	0.00
51.00	0.01	65.00	0.01	79.00	0.01	93.00	0.00
51.25	0.01	65.25	0.01	79.25	0.01	93.25	0.00
51.50	0.01	65.50	0.01	79.50	0.01	93.50	0.00
51.75	0.01	65.75	0.01	79.75	0.01	93.75	0.00
52.00	0.01	66.00	0.01	80.00	0.01	94.00	0.00
52.25	0.01	66.25	0.01	80.25	0.01	94.25	0.00
52.50	0.01	66.50	0.01	80.50	0.01	94.50	0.00
52.75	0.01	66.75	0.01	80.75	0.01	94.75	0.00
53.00	0.01	67.00	0.01	81.00	0.01	95.00	0.00
53.25	0.01	67.25	0.01	81.25	0.01	95.25	0.00
53.50	0.01	67.50	0.01	81.50	0.01	95.50	0.00
53.75	0.01	67.75	0.01	81.75	0.01	95.75	0.00
54.00	0.01	68.00	0.01	82.00	0.01	96.00	0.00

Table 2 – 20%

SMART Meter Power Density Computer Modeling

(1 SMART Meter only – 100% reflections)

Meters 1 Electric Meter

Time Avg: 30% % Reflection 100%

Distance where limits are exceeded			
FCC ft.	0.29	3.5	Inches
BioInitiative ft.	23.50	282.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	883.08	10.25	0.53	20.25	0.13	30.25	0.06
0.50	220.77	10.50	0.50	20.50	0.13	30.50	0.06
0.75	98.12	10.75	0.48	20.75	0.13	30.75	0.06
1.00	55.19	11.00	0.46	21.00	0.13	31.00	0.06
1.25	35.32	11.25	0.44	21.25	0.12	31.25	0.06
1.50	24.53	11.50	0.42	21.50	0.12	31.50	0.06
1.75	18.02	11.75	0.40	21.75	0.12	31.75	0.05
2.00	13.80	12.00	0.38	22.00	0.11	32.00	0.05
2.25	10.90	12.25	0.37	22.25	0.11	32.25	0.05
2.50	8.83	12.50	0.35	22.50	0.11	32.50	0.05
2.75	7.30	12.75	0.34	22.75	0.11	32.75	0.05
3.00	6.13	13.00	0.33	23.00	0.10	33.00	0.05
3.25	5.23	13.25	0.31	23.25	0.10	33.25	0.05
3.50	4.51	13.50	0.30	23.50	0.10	33.50	0.05
3.75	3.92	13.75	0.29	23.75	0.10	33.75	0.05
4.00	3.45	14.00	0.28	24.00	0.10	34.00	0.05
4.25	3.06	14.25	0.27	24.25	0.09	34.25	0.05
4.50	2.73	14.50	0.26	24.50	0.09	34.50	0.05
4.75	2.45	14.75	0.25	24.75	0.09	34.75	0.05
5.00	2.21	15.00	0.25	25.00	0.09	35.00	0.05
5.25	2.00	15.25	0.24	25.25	0.09	35.25	0.04
5.50	1.82	15.50	0.23	25.50	0.08	35.50	0.04
5.75	1.67	15.75	0.22	25.75	0.08	35.75	0.04
6.00	1.53	16.00	0.22	26.00	0.08	36.00	0.04
6.25	1.41	16.25	0.21	26.25	0.08	36.25	0.04
6.50	1.31	16.50	0.20	26.50	0.08	36.50	0.04
6.75	1.21	16.75	0.20	26.75	0.08	36.75	0.04
7.00	1.13	17.00	0.19	27.00	0.08	37.00	0.04
7.25	1.05	17.25	0.19	27.25	0.07	37.25	0.04
7.50	0.98	17.50	0.18	27.50	0.07	37.50	0.04
7.75	0.92	17.75	0.18	27.75	0.07	37.75	0.04
8.00	0.86	18.00	0.17	28.00	0.07	38.00	0.04
8.25	0.81	18.25	0.17	28.25	0.07	38.25	0.04
8.50	0.76	18.50	0.16	28.50	0.07	38.50	0.04
8.75	0.72	18.75	0.16	28.75	0.07	38.75	0.04
9.00	0.68	19.00	0.15	29.00	0.07	39.00	0.04
9.25	0.65	19.25	0.15	29.25	0.06	39.25	0.04
9.50	0.61	19.50	0.15	29.50	0.06	39.50	0.04
9.75	0.58	19.75	0.14	29.75	0.06	39.75	0.03
10.00	0.55	20.00	0.14	30.00	0.06	40.00	0.03

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 2 – 30%

SMART Meter Power Density Computer Modeling

(1 SMART Meter only – 100% reflections)

Meters 1 Electric Meter

Time Avg: 30% % Reflection 100%

Distance where limits are exceeded			
FCC ft. 0.29		3.48 Inches	
BioInitiative ft. 23.50		282.00 Inches	

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.03	54.25	0.02	68.25	0.01	82.25	0.01
40.50	0.03	54.50	0.02	68.50	0.01	82.50	0.01
40.75	0.03	54.75	0.02	68.75	0.01	82.75	0.01
41.00	0.03	55.00	0.02	69.00	0.01	83.00	0.01
41.25	0.03	55.25	0.02	69.25	0.01	83.25	0.01
41.50	0.03	55.50	0.02	69.50	0.01	83.50	0.01
41.75	0.03	55.75	0.02	69.75	0.01	83.75	0.01
42.00	0.03	56.00	0.02	70.00	0.01	84.00	0.01
42.25	0.03	56.25	0.02	70.25	0.01	84.25	0.01
42.50	0.03	56.50	0.02	70.50	0.01	84.50	0.01
42.75	0.03	56.75	0.02	70.75	0.01	84.75	0.01
43.00	0.03	57.00	0.02	71.00	0.01	85.00	0.01
43.25	0.03	57.25	0.02	71.25	0.01	85.25	0.01
43.50	0.03	57.50	0.02	71.50	0.01	85.50	0.01
43.75	0.03	57.75	0.02	71.75	0.01	85.75	0.01
44.00	0.03	58.00	0.02	72.00	0.01	86.00	0.01
44.25	0.03	58.25	0.02	72.25	0.01	86.25	0.01
44.50	0.03	58.50	0.02	72.50	0.01	86.50	0.01
44.75	0.03	58.75	0.02	72.75	0.01	86.75	0.01
45.00	0.03	59.00	0.02	73.00	0.01	87.00	0.01
45.25	0.03	59.25	0.02	73.25	0.01	87.25	0.01
45.50	0.03	59.50	0.02	73.50	0.01	87.50	0.01
45.75	0.03	59.75	0.02	73.75	0.01	87.75	0.01
46.00	0.03	60.00	0.02	74.00	0.01	88.00	0.01
46.25	0.03	60.25	0.02	74.25	0.01	88.25	0.01
46.50	0.03	60.50	0.02	74.50	0.01	88.50	0.01
46.75	0.03	60.75	0.01	74.75	0.01	88.75	0.01
47.00	0.02	61.00	0.01	75.00	0.01	89.00	0.01
47.25	0.02	61.25	0.01	75.25	0.01	89.25	0.01
47.50	0.02	61.50	0.01	75.50	0.01	89.50	0.01
47.75	0.02	61.75	0.01	75.75	0.01	89.75	0.01
48.00	0.02	62.00	0.01	76.00	0.01	90.00	0.01
48.25	0.02	62.25	0.01	76.25	0.01	90.25	0.01
48.50	0.02	62.50	0.01	76.50	0.01	90.50	0.01
48.75	0.02	62.75	0.01	76.75	0.01	90.75	0.01
49.00	0.02	63.00	0.01	77.00	0.01	91.00	0.01
49.25	0.02	63.25	0.01	77.25	0.01	91.25	0.01
49.50	0.02	63.50	0.01	77.50	0.01	91.50	0.01
49.75	0.02	63.75	0.01	77.75	0.01	91.75	0.01
50.00	0.02	64.00	0.01	78.00	0.01	92.00	0.01
50.25	0.02	64.25	0.01	78.25	0.01	92.25	0.01
50.50	0.02	64.50	0.01	78.50	0.01	92.50	0.01
50.75	0.02	64.75	0.01	78.75	0.01	92.75	0.01
51.00	0.02	65.00	0.01	79.00	0.01	93.00	0.01
51.25	0.02	65.25	0.01	79.25	0.01	93.25	0.01
51.50	0.02	65.50	0.01	79.50	0.01	93.50	0.01
51.75	0.02	65.75	0.01	79.75	0.01	93.75	0.01
52.00	0.02	66.00	0.01	80.00	0.01	94.00	0.01
52.25	0.02	66.25	0.01	80.25	0.01	94.25	0.01
52.50	0.02	66.50	0.01	80.50	0.01	94.50	0.01
52.75	0.02	66.75	0.01	80.75	0.01	94.75	0.01
53.00	0.02	67.00	0.01	81.00	0.01	95.00	0.01
53.25	0.02	67.25	0.01	81.25	0.01	95.25	0.01
53.50	0.02	67.50	0.01	81.50	0.01	95.50	0.01
53.75	0.02	67.75	0.01	81.75	0.01	95.75	0.01
54.00	0.02	68.00	0.01	82.00	0.01	96.00	0.01

Table 2 – 30%

SMART Meter Power Density Computer Modeling

(1 SMART Meter only – 100% reflections)

Meters 1 Electric Meter

Time Avg: 40% % Reflection 100%

Distance where limits are exceeded			
FCC ft.	0.34	4.0	Inches
BioInitiative ft.	27.10	325.2	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	1177.44	10.25	0.70	20.25	0.18	30.25	0.08
0.50	294.36	10.50	0.67	20.50	0.18	30.50	0.08
0.75	130.83	10.75	0.64	20.75	0.17	30.75	0.08
1.00	73.59	11.00	0.61	21.00	0.17	31.00	0.08
1.25	47.10	11.25	0.58	21.25	0.16	31.25	0.08
1.50	32.71	11.50	0.56	21.50	0.16	31.50	0.07
1.75	24.03	11.75	0.53	21.75	0.16	31.75	0.07
2.00	18.40	12.00	0.51	22.00	0.15	32.00	0.07
2.25	14.54	12.25	0.49	22.25	0.15	32.25	0.07
2.50	11.77	12.50	0.47	22.50	0.15	32.50	0.07
2.75	9.73	12.75	0.45	22.75	0.14	32.75	0.07
3.00	8.18	13.00	0.44	23.00	0.14	33.00	0.07
3.25	6.97	13.25	0.42	23.25	0.14	33.25	0.07
3.50	6.01	13.50	0.40	23.50	0.13	33.50	0.07
3.75	5.23	13.75	0.39	23.75	0.13	33.75	0.06
4.00	4.60	14.00	0.38	24.00	0.13	34.00	0.06
4.25	4.07	14.25	0.36	24.25	0.13	34.25	0.06
4.50	3.63	14.50	0.35	24.50	0.12	34.50	0.06
4.75	3.26	14.75	0.34	24.75	0.12	34.75	0.06
5.00	2.94	15.00	0.33	25.00	0.12	35.00	0.06
5.25	2.67	15.25	0.32	25.25	0.12	35.25	0.06
5.50	2.43	15.50	0.31	25.50	0.11	35.50	0.06
5.75	2.23	15.75	0.30	25.75	0.11	35.75	0.06
6.00	2.04	16.00	0.29	26.00	0.11	36.00	0.06
6.25	1.88	16.25	0.28	26.25	0.11	36.25	0.06
6.50	1.74	16.50	0.27	26.50	0.10	36.50	0.06
6.75	1.62	16.75	0.26	26.75	0.10	36.75	0.05
7.00	1.50	17.00	0.25	27.00	0.10	37.00	0.05
7.25	1.40	17.25	0.25	27.25	0.10	37.25	0.05
7.50	1.31	17.50	0.24	27.50	0.10	37.50	0.05
7.75	1.23	17.75	0.23	27.75	0.10	37.75	0.05
8.00	1.15	18.00	0.23	28.00	0.09	38.00	0.05
8.25	1.08	18.25	0.22	28.25	0.09	38.25	0.05
8.50	1.02	18.50	0.22	28.50	0.09	38.50	0.05
8.75	0.96	18.75	0.21	28.75	0.09	38.75	0.05
9.00	0.91	19.00	0.20	29.00	0.09	39.00	0.05
9.25	0.86	19.25	0.20	29.25	0.09	39.25	0.05
9.50	0.82	19.50	0.19	29.50	0.08	39.50	0.05
9.75	0.77	19.75	0.19	29.75	0.08	39.75	0.05
10.00	0.74	20.00	0.18	30.00	0.08	40.00	0.05

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 2 – 40%

SMART Meter Power Density Computer Modeling

(1 SMART Meter only – 100% reflections)

Meters 1 Electric Meter

Time Avg: 40% % Reflection 100%

Distance where limits are exceeded			
FCC ft. 0.34		4.02 Inches	
BioInitiative ft. 27.10		325.20 Inches	

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.05	54.25	0.03	68.25	0.02	82.25	0.01
40.50	0.04	54.50	0.02	68.50	0.02	82.50	0.01
40.75	0.04	54.75	0.02	68.75	0.02	82.75	0.01
41.00	0.04	55.00	0.02	69.00	0.02	83.00	0.01
41.25	0.04	55.25	0.02	69.25	0.02	83.25	0.01
41.50	0.04	55.50	0.02	69.50	0.02	83.50	0.01
41.75	0.04	55.75	0.02	69.75	0.02	83.75	0.01
42.00	0.04	56.00	0.02	70.00	0.02	84.00	0.01
42.25	0.04	56.25	0.02	70.25	0.01	84.25	0.01
42.50	0.04	56.50	0.02	70.50	0.01	84.50	0.01
42.75	0.04	56.75	0.02	70.75	0.01	84.75	0.01
43.00	0.04	57.00	0.02	71.00	0.01	85.00	0.01
43.25	0.04	57.25	0.02	71.25	0.01	85.25	0.01
43.50	0.04	57.50	0.02	71.50	0.01	85.50	0.01
43.75	0.04	57.75	0.02	71.75	0.01	85.75	0.01
44.00	0.04	58.00	0.02	72.00	0.01	86.00	0.01
44.25	0.04	58.25	0.02	72.25	0.01	86.25	0.01
44.50	0.04	58.50	0.02	72.50	0.01	86.50	0.01
44.75	0.04	58.75	0.02	72.75	0.01	86.75	0.01
45.00	0.04	59.00	0.02	73.00	0.01	87.00	0.01
45.25	0.04	59.25	0.02	73.25	0.01	87.25	0.01
45.50	0.04	59.50	0.02	73.50	0.01	87.50	0.01
45.75	0.04	59.75	0.02	73.75	0.01	87.75	0.01
46.00	0.03	60.00	0.02	74.00	0.01	88.00	0.01
46.25	0.03	60.25	0.02	74.25	0.01	88.25	0.01
46.50	0.03	60.50	0.02	74.50	0.01	88.50	0.01
46.75	0.03	60.75	0.02	74.75	0.01	88.75	0.01
47.00	0.03	61.00	0.02	75.00	0.01	89.00	0.01
47.25	0.03	61.25	0.02	75.25	0.01	89.25	0.01
47.50	0.03	61.50	0.02	75.50	0.01	89.50	0.01
47.75	0.03	61.75	0.02	75.75	0.01	89.75	0.01
48.00	0.03	62.00	0.02	76.00	0.01	90.00	0.01
48.25	0.03	62.25	0.02	76.25	0.01	90.25	0.01
48.50	0.03	62.50	0.02	76.50	0.01	90.50	0.01
48.75	0.03	62.75	0.02	76.75	0.01	90.75	0.01
49.00	0.03	63.00	0.02	77.00	0.01	91.00	0.01
49.25	0.03	63.25	0.02	77.25	0.01	91.25	0.01
49.50	0.03	63.50	0.02	77.50	0.01	91.50	0.01
49.75	0.03	63.75	0.02	77.75	0.01	91.75	0.01
50.00	0.03	64.00	0.02	78.00	0.01	92.00	0.01
50.25	0.03	64.25	0.02	78.25	0.01	92.25	0.01
50.50	0.03	64.50	0.02	78.50	0.01	92.50	0.01
50.75	0.03	64.75	0.02	78.75	0.01	92.75	0.01
51.00	0.03	65.00	0.02	79.00	0.01	93.00	0.01
51.25	0.03	65.25	0.02	79.25	0.01	93.25	0.01
51.50	0.03	65.50	0.02	79.50	0.01	93.50	0.01
51.75	0.03	65.75	0.02	79.75	0.01	93.75	0.01
52.00	0.03	66.00	0.02	80.00	0.01	94.00	0.01
52.25	0.03	66.25	0.02	80.25	0.01	94.25	0.01
52.50	0.03	66.50	0.02	80.50	0.01	94.50	0.01
52.75	0.03	66.75	0.02	80.75	0.01	94.75	0.01
53.00	0.03	67.00	0.02	81.00	0.01	95.00	0.01
53.25	0.03	67.25	0.02	81.25	0.01	95.25	0.01
53.50	0.03	67.50	0.02	81.50	0.01	95.50	0.01
53.75	0.03	67.75	0.02	81.75	0.01	95.75	0.01
54.00	0.03	68.00	0.02	82.00	0.01	96.00	0.01

Table 2 – 40%

SMART Meter Power Density Computer Modeling

(1 SMART Meter only – 100% reflections)

Meters 1 Electric Meter

Time Avg: 50% % Reflection 100%

Distance where limits are exceeded			
FCC ft.	0.37	4.5	Inches
BioInitiative ft.	30.40	364.8	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	1471.80	10.25	0.88	20.25	0.22	30.25	0.10
0.50	367.95	10.50	0.83	20.50	0.22	30.50	0.10
0.75	163.53	10.75	0.80	20.75	0.21	30.75	0.10
1.00	91.99	11.00	0.76	21.00	0.21	31.00	0.10
1.25	58.87	11.25	0.73	21.25	0.20	31.25	0.09
1.50	40.88	11.50	0.70	21.50	0.20	31.50	0.09
1.75	30.04	11.75	0.67	21.75	0.19	31.75	0.09
2.00	23.00	12.00	0.64	22.00	0.19	32.00	0.09
2.25	18.17	12.25	0.61	22.25	0.19	32.25	0.09
2.50	14.72	12.50	0.59	22.50	0.18	32.50	0.09
2.75	12.16	12.75	0.57	22.75	0.18	32.75	0.09
3.00	10.22	13.00	0.54	23.00	0.17	33.00	0.08
3.25	8.71	13.25	0.52	23.25	0.17	33.25	0.08
3.50	7.51	13.50	0.50	23.50	0.17	33.50	0.08
3.75	6.54	13.75	0.49	23.75	0.16	33.75	0.08
4.00	5.75	14.00	0.47	24.00	0.16	34.00	0.08
4.25	5.09	14.25	0.45	24.25	0.16	34.25	0.08
4.50	4.54	14.50	0.44	24.50	0.15	34.50	0.08
4.75	4.08	14.75	0.42	24.75	0.15	34.75	0.08
5.00	3.68	15.00	0.41	25.00	0.15	35.00	0.08
5.25	3.34	15.25	0.40	25.25	0.14	35.25	0.07
5.50	3.04	15.50	0.38	25.50	0.14	35.50	0.07
5.75	2.78	15.75	0.37	25.75	0.14	35.75	0.07
6.00	2.56	16.00	0.36	26.00	0.14	36.00	0.07
6.25	2.35	16.25	0.35	26.25	0.13	36.25	0.07
6.50	2.18	16.50	0.34	26.50	0.13	36.50	0.07
6.75	2.02	16.75	0.33	26.75	0.13	36.75	0.07
7.00	1.88	17.00	0.32	27.00	0.13	37.00	0.07
7.25	1.75	17.25	0.31	27.25	0.12	37.25	0.07
7.50	1.64	17.50	0.30	27.50	0.12	37.50	0.07
7.75	1.53	17.75	0.29	27.75	0.12	37.75	0.06
8.00	1.44	18.00	0.28	28.00	0.12	38.00	0.06
8.25	1.35	18.25	0.28	28.25	0.12	38.25	0.06
8.50	1.27	18.50	0.27	28.50	0.11	38.50	0.06
8.75	1.20	18.75	0.26	28.75	0.11	38.75	0.06
9.00	1.14	19.00	0.25	29.00	0.11	39.00	0.06
9.25	1.08	19.25	0.25	29.25	0.11	39.25	0.06
9.50	1.02	19.50	0.24	29.50	0.11	39.50	0.06
9.75	0.97	19.75	0.24	29.75	0.10	39.75	0.06
10.00	0.92	20.00	0.23	30.00	0.10	40.00	0.06

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 2 – 50%

SMART Meter Power Density Computer Modeling

(1 SMART Meter only – 100% reflections)

Meters 1 Electric Meter

Time Avg: 50% % Reflection 100%

Distance where limits are exceeded			
FCC ft. 0.37		4.50 Inches	
BioInitiative ft. 30.40		364.80 Inches	

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.06	54.25	0.03	68.25	0.02	82.25	0.01
40.50	0.06	54.50	0.03	68.50	0.02	82.50	0.01
40.75	0.06	54.75	0.03	68.75	0.02	82.75	0.01
41.00	0.05	55.00	0.03	69.00	0.02	83.00	0.01
41.25	0.05	55.25	0.03	69.25	0.02	83.25	0.01
41.50	0.05	55.50	0.03	69.50	0.02	83.50	0.01
41.75	0.05	55.75	0.03	69.75	0.02	83.75	0.01
42.00	0.05	56.00	0.03	70.00	0.02	84.00	0.01
42.25	0.05	56.25	0.03	70.25	0.02	84.25	0.01
42.50	0.05	56.50	0.03	70.50	0.02	84.50	0.01
42.75	0.05	56.75	0.03	70.75	0.02	84.75	0.01
43.00	0.05	57.00	0.03	71.00	0.02	85.00	0.01
43.25	0.05	57.25	0.03	71.25	0.02	85.25	0.01
43.50	0.05	57.50	0.03	71.50	0.02	85.50	0.01
43.75	0.05	57.75	0.03	71.75	0.02	85.75	0.01
44.00	0.05	58.00	0.03	72.00	0.02	86.00	0.01
44.25	0.05	58.25	0.03	72.25	0.02	86.25	0.01
44.50	0.05	58.50	0.03	72.50	0.02	86.50	0.01
44.75	0.05	58.75	0.03	72.75	0.02	86.75	0.01
45.00	0.05	59.00	0.03	73.00	0.02	87.00	0.01
45.25	0.04	59.25	0.03	73.25	0.02	87.25	0.01
45.50	0.04	59.50	0.03	73.50	0.02	87.50	0.01
45.75	0.04	59.75	0.03	73.75	0.02	87.75	0.01
46.00	0.04	60.00	0.03	74.00	0.02	88.00	0.01
46.25	0.04	60.25	0.03	74.25	0.02	88.25	0.01
46.50	0.04	60.50	0.03	74.50	0.02	88.50	0.01
46.75	0.04	60.75	0.02	74.75	0.02	88.75	0.01
47.00	0.04	61.00	0.02	75.00	0.02	89.00	0.01
47.25	0.04	61.25	0.02	75.25	0.02	89.25	0.01
47.50	0.04	61.50	0.02	75.50	0.02	89.50	0.01
47.75	0.04	61.75	0.02	75.75	0.02	89.75	0.01
48.00	0.04	62.00	0.02	76.00	0.02	90.00	0.01
48.25	0.04	62.25	0.02	76.25	0.02	90.25	0.01
48.50	0.04	62.50	0.02	76.50	0.02	90.50	0.01
48.75	0.04	62.75	0.02	76.75	0.02	90.75	0.01
49.00	0.04	63.00	0.02	77.00	0.02	91.00	0.01
49.25	0.04	63.25	0.02	77.25	0.02	91.25	0.01
49.50	0.04	63.50	0.02	77.50	0.02	91.50	0.01
49.75	0.04	63.75	0.02	77.75	0.02	91.75	0.01
50.00	0.04	64.00	0.02	78.00	0.02	92.00	0.01
50.25	0.04	64.25	0.02	78.25	0.02	92.25	0.01
50.50	0.04	64.50	0.02	78.50	0.01	92.50	0.01
50.75	0.04	64.75	0.02	78.75	0.01	92.75	0.01
51.00	0.04	65.00	0.02	79.00	0.01	93.00	0.01
51.25	0.04	65.25	0.02	79.25	0.01	93.25	0.01
51.50	0.03	65.50	0.02	79.50	0.01	93.50	0.01
51.75	0.03	65.75	0.02	79.75	0.01	93.75	0.01
52.00	0.03	66.00	0.02	80.00	0.01	94.00	0.01
52.25	0.03	66.25	0.02	80.25	0.01	94.25	0.01
52.50	0.03	66.50	0.02	80.50	0.01	94.50	0.01
52.75	0.03	66.75	0.02	80.75	0.01	94.75	0.01
53.00	0.03	67.00	0.02	81.00	0.01	95.00	0.01
53.25	0.03	67.25	0.02	81.25	0.01	95.25	0.01
53.50	0.03	67.50	0.02	81.50	0.01	95.50	0.01
53.75	0.03	67.75	0.02	81.75	0.01	95.75	0.01
54.00	0.03	68.00	0.02	82.00	0.01	96.00	0.01

Table 2 – 50%

SMART Meter Power Density Computer Modeling

(1 SMART Meter only – 100% reflections)

Meters 1 Electric Meter

Time Avg: 60% % Reflection 100%

Distance where limits are exceeded			
FCC ft.	0.41	4.9	Inches
BioInitiative ft.	33.20	398.4	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	1766.16	10.25	1.05	20.25	0.27	30.25	0.12
0.50	441.54	10.50	1.00	20.50	0.26	30.50	0.12
0.75	196.24	10.75	0.96	20.75	0.26	30.75	0.12
1.00	110.39	11.00	0.91	21.00	0.25	31.00	0.11
1.25	70.65	11.25	0.87	21.25	0.24	31.25	0.11
1.50	49.06	11.50	0.83	21.50	0.24	31.50	0.11
1.75	36.04	11.75	0.80	21.75	0.23	31.75	0.11
2.00	27.60	12.00	0.77	22.00	0.23	32.00	0.11
2.25	21.80	12.25	0.74	22.25	0.22	32.25	0.11
2.50	17.66	12.50	0.71	22.50	0.22	32.50	0.10
2.75	14.60	12.75	0.68	22.75	0.21	32.75	0.10
3.00	12.27	13.00	0.65	23.00	0.21	33.00	0.10
3.25	10.45	13.25	0.63	23.25	0.20	33.25	0.10
3.50	9.01	13.50	0.61	23.50	0.20	33.50	0.10
3.75	7.85	13.75	0.58	23.75	0.20	33.75	0.10
4.00	6.90	14.00	0.56	24.00	0.19	34.00	0.10
4.25	6.11	14.25	0.54	24.25	0.19	34.25	0.09
4.50	5.45	14.50	0.53	24.50	0.18	34.50	0.09
4.75	4.89	14.75	0.51	24.75	0.18	34.75	0.09
5.00	4.42	15.00	0.49	25.00	0.18	35.00	0.09
5.25	4.00	15.25	0.47	25.25	0.17	35.25	0.09
5.50	3.65	15.50	0.46	25.50	0.17	35.50	0.09
5.75	3.34	15.75	0.44	25.75	0.17	35.75	0.09
6.00	3.07	16.00	0.43	26.00	0.16	36.00	0.09
6.25	2.83	16.25	0.42	26.25	0.16	36.25	0.08
6.50	2.61	16.50	0.41	26.50	0.16	36.50	0.08
6.75	2.42	16.75	0.39	26.75	0.15	36.75	0.08
7.00	2.25	17.00	0.38	27.00	0.15	37.00	0.08
7.25	2.10	17.25	0.37	27.25	0.15	37.25	0.08
7.50	1.96	17.50	0.36	27.50	0.15	37.50	0.08
7.75	1.84	17.75	0.35	27.75	0.14	37.75	0.08
8.00	1.72	18.00	0.34	28.00	0.14	38.00	0.08
8.25	1.62	18.25	0.33	28.25	0.14	38.25	0.08
8.50	1.53	18.50	0.32	28.50	0.14	38.50	0.07
8.75	1.44	18.75	0.31	28.75	0.13	38.75	0.07
9.00	1.36	19.00	0.31	29.00	0.13	39.00	0.07
9.25	1.29	19.25	0.30	29.25	0.13	39.25	0.07
9.50	1.22	19.50	0.29	29.50	0.13	39.50	0.07
9.75	1.16	19.75	0.28	29.75	0.12	39.75	0.07
10.00	1.10	20.00	0.28	30.00	0.12	40.00	0.07

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 2 – 60%

SMART Meter Power Density Computer Modeling

(1 SMART Meter only – 100% reflections)

Meters 1 Electric Meter

Time Avg: 60% % Reflection 100%

Distance where limits are exceeded			
FCC ft.	0.41	4.93	Inches
BioInitiative ft.	33.20	398.40	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.07	54.25	0.04	68.25	0.02	82.25	0.02
40.50	0.07	54.50	0.04	68.50	0.02	82.50	0.02
40.75	0.07	54.75	0.04	68.75	0.02	82.75	0.02
41.00	0.07	55.00	0.04	69.00	0.02	83.00	0.02
41.25	0.06	55.25	0.04	69.25	0.02	83.25	0.02
41.50	0.06	55.50	0.04	69.50	0.02	83.50	0.02
41.75	0.06	55.75	0.04	69.75	0.02	83.75	0.02
42.00	0.06	56.00	0.04	70.00	0.02	84.00	0.02
42.25	0.06	56.25	0.03	70.25	0.02	84.25	0.02
42.50	0.06	56.50	0.03	70.50	0.02	84.50	0.02
42.75	0.06	56.75	0.03	70.75	0.02	84.75	0.02
43.00	0.06	57.00	0.03	71.00	0.02	85.00	0.02
43.25	0.06	57.25	0.03	71.25	0.02	85.25	0.02
43.50	0.06	57.50	0.03	71.50	0.02	85.50	0.02
43.75	0.06	57.75	0.03	71.75	0.02	85.75	0.02
44.00	0.06	58.00	0.03	72.00	0.02	86.00	0.01
44.25	0.06	58.25	0.03	72.25	0.02	86.25	0.01
44.50	0.06	58.50	0.03	72.50	0.02	86.50	0.01
44.75	0.06	58.75	0.03	72.75	0.02	86.75	0.01
45.00	0.05	59.00	0.03	73.00	0.02	87.00	0.01
45.25	0.05	59.25	0.03	73.25	0.02	87.25	0.01
45.50	0.05	59.50	0.03	73.50	0.02	87.50	0.01
45.75	0.05	59.75	0.03	73.75	0.02	87.75	0.01
46.00	0.05	60.00	0.03	74.00	0.02	88.00	0.01
46.25	0.05	60.25	0.03	74.25	0.02	88.25	0.01
46.50	0.05	60.50	0.03	74.50	0.02	88.50	0.01
46.75	0.05	60.75	0.03	74.75	0.02	88.75	0.01
47.00	0.05	61.00	0.03	75.00	0.02	89.00	0.01
47.25	0.05	61.25	0.03	75.25	0.02	89.25	0.01
47.50	0.05	61.50	0.03	75.50	0.02	89.50	0.01
47.75	0.05	61.75	0.03	75.75	0.02	89.75	0.01
48.00	0.05	62.00	0.03	76.00	0.02	90.00	0.01
48.25	0.05	62.25	0.03	76.25	0.02	90.25	0.01
48.50	0.05	62.50	0.03	76.50	0.02	90.50	0.01
48.75	0.05	62.75	0.03	76.75	0.02	90.75	0.01
49.00	0.05	63.00	0.03	77.00	0.02	91.00	0.01
49.25	0.05	63.25	0.03	77.25	0.02	91.25	0.01
49.50	0.05	63.50	0.03	77.50	0.02	91.50	0.01
49.75	0.04	63.75	0.03	77.75	0.02	91.75	0.01
50.00	0.04	64.00	0.03	78.00	0.02	92.00	0.01
50.25	0.04	64.25	0.03	78.25	0.02	92.25	0.01
50.50	0.04	64.50	0.03	78.50	0.02	92.50	0.01
50.75	0.04	64.75	0.03	78.75	0.02	92.75	0.01
51.00	0.04	65.00	0.03	79.00	0.02	93.00	0.01
51.25	0.04	65.25	0.03	79.25	0.02	93.25	0.01
51.50	0.04	65.50	0.03	79.50	0.02	93.50	0.01
51.75	0.04	65.75	0.03	79.75	0.02	93.75	0.01
52.00	0.04	66.00	0.03	80.00	0.02	94.00	0.01
52.25	0.04	66.25	0.03	80.25	0.02	94.25	0.01
52.50	0.04	66.50	0.02	80.50	0.02	94.50	0.01
52.75	0.04	66.75	0.02	80.75	0.02	94.75	0.01
53.00	0.04	67.00	0.02	81.00	0.02	95.00	0.01
53.25	0.04	67.25	0.02	81.25	0.02	95.25	0.01
53.50	0.04	67.50	0.02	81.50	0.02	95.50	0.01
53.75	0.04	67.75	0.02	81.75	0.02	95.75	0.01
54.00	0.04	68.00	0.02	82.00	0.02	96.00	0.01

Table 2 – 60%

SMART Meter Power Density Computer Modeling

(1 SMART Meter only – 100% reflections)

Meters 1 Electric Meter

Time Avg: 70% % Reflection 100%

Distance where limits are exceeded			
FCC ft.	0.44	5.3	Inches
BioInitiative ft.	35.80	429.6	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	2060.52	10.25	1.23	20.25	0.31	30.25	0.14
0.50	515.13	10.50	1.17	20.50	0.31	30.50	0.14
0.75	228.95	10.75	1.11	20.75	0.30	30.75	0.14
1.00	128.78	11.00	1.06	21.00	0.29	31.00	0.13
1.25	82.42	11.25	1.02	21.25	0.29	31.25	0.13
1.50	57.24	11.50	0.97	21.50	0.28	31.50	0.13
1.75	42.05	11.75	0.93	21.75	0.27	31.75	0.13
2.00	32.20	12.00	0.89	22.00	0.27	32.00	0.13
2.25	25.44	12.25	0.86	22.25	0.26	32.25	0.12
2.50	20.61	12.50	0.82	22.50	0.25	32.50	0.12
2.75	17.03	12.75	0.79	22.75	0.25	32.75	0.12
3.00	14.31	13.00	0.76	23.00	0.24	33.00	0.12
3.25	12.19	13.25	0.73	23.25	0.24	33.25	0.12
3.50	10.51	13.50	0.71	23.50	0.23	33.50	0.11
3.75	9.16	13.75	0.68	23.75	0.23	33.75	0.11
4.00	8.05	14.00	0.66	24.00	0.22	34.00	0.11
4.25	7.13	14.25	0.63	24.25	0.22	34.25	0.11
4.50	6.36	14.50	0.61	24.50	0.21	34.50	0.11
4.75	5.71	14.75	0.59	24.75	0.21	34.75	0.11
5.00	5.15	15.00	0.57	25.00	0.21	35.00	0.11
5.25	4.67	15.25	0.55	25.25	0.20	35.25	0.10
5.50	4.26	15.50	0.54	25.50	0.20	35.50	0.10
5.75	3.90	15.75	0.52	25.75	0.19	35.75	0.10
6.00	3.58	16.00	0.50	26.00	0.19	36.00	0.10
6.25	3.30	16.25	0.49	26.25	0.19	36.25	0.10
6.50	3.05	16.50	0.47	26.50	0.18	36.50	0.10
6.75	2.83	16.75	0.46	26.75	0.18	36.75	0.10
7.00	2.63	17.00	0.45	27.00	0.18	37.00	0.09
7.25	2.45	17.25	0.43	27.25	0.17	37.25	0.09
7.50	2.29	17.50	0.42	27.50	0.17	37.50	0.09
7.75	2.14	17.75	0.41	27.75	0.17	37.75	0.09
8.00	2.01	18.00	0.40	28.00	0.16	38.00	0.09
8.25	1.89	18.25	0.39	28.25	0.16	38.25	0.09
8.50	1.78	18.50	0.38	28.50	0.16	38.50	0.09
8.75	1.68	18.75	0.37	28.75	0.16	38.75	0.09
9.00	1.59	19.00	0.36	29.00	0.15	39.00	0.08
9.25	1.51	19.25	0.35	29.25	0.15	39.25	0.08
9.50	1.43	19.50	0.34	29.50	0.15	39.50	0.08
9.75	1.35	19.75	0.33	29.75	0.15	39.75	0.08
10.00	1.29	20.00	0.32	30.00	0.14	40.00	0.08

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 2 – 70%

SMART Meter Power Density Computer Modeling

(1 SMART Meter only – 100% reflections)

Meters 1 Electric Meter

Time Avg: 70% % Reflection 100%

Distance where limits are exceeded		
FCC ft. 0.44	5.32	Inches
BioInitiative ft. 35.80	429.60	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.08	54.25	0.04	68.25	0.03	82.25	0.02
40.50	0.08	54.50	0.04	68.50	0.03	82.50	0.02
40.75	0.08	54.75	0.04	68.75	0.03	82.75	0.02
41.00	0.08	55.00	0.04	69.00	0.03	83.00	0.02
41.25	0.08	55.25	0.04	69.25	0.03	83.25	0.02
41.50	0.07	55.50	0.04	69.50	0.03	83.50	0.02
41.75	0.07	55.75	0.04	69.75	0.03	83.75	0.02
42.00	0.07	56.00	0.04	70.00	0.03	84.00	0.02
42.25	0.07	56.25	0.04	70.25	0.03	84.25	0.02
42.50	0.07	56.50	0.04	70.50	0.03	84.50	0.02
42.75	0.07	56.75	0.04	70.75	0.03	84.75	0.02
43.00	0.07	57.00	0.04	71.00	0.03	85.00	0.02
43.25	0.07	57.25	0.04	71.25	0.03	85.25	0.02
43.50	0.07	57.50	0.04	71.50	0.03	85.50	0.02
43.75	0.07	57.75	0.04	71.75	0.03	85.75	0.02
44.00	0.07	58.00	0.04	72.00	0.02	86.00	0.02
44.25	0.07	58.25	0.04	72.25	0.02	86.25	0.02
44.50	0.07	58.50	0.04	72.50	0.02	86.50	0.02
44.75	0.06	58.75	0.04	72.75	0.02	86.75	0.02
45.00	0.06	59.00	0.04	73.00	0.02	87.00	0.02
45.25	0.06	59.25	0.04	73.25	0.02	87.25	0.02
45.50	0.06	59.50	0.04	73.50	0.02	87.50	0.02
45.75	0.06	59.75	0.04	73.75	0.02	87.75	0.02
46.00	0.06	60.00	0.04	74.00	0.02	88.00	0.02
46.25	0.06	60.25	0.04	74.25	0.02	88.25	0.02
46.50	0.06	60.50	0.04	74.50	0.02	88.50	0.02
46.75	0.06	60.75	0.03	74.75	0.02	88.75	0.02
47.00	0.06	61.00	0.03	75.00	0.02	89.00	0.02
47.25	0.06	61.25	0.03	75.25	0.02	89.25	0.02
47.50	0.06	61.50	0.03	75.50	0.02	89.50	0.02
47.75	0.06	61.75	0.03	75.75	0.02	89.75	0.02
48.00	0.06	62.00	0.03	76.00	0.02	90.00	0.02
48.25	0.06	62.25	0.03	76.25	0.02	90.25	0.02
48.50	0.05	62.50	0.03	76.50	0.02	90.50	0.02
48.75	0.05	62.75	0.03	76.75	0.02	90.75	0.02
49.00	0.05	63.00	0.03	77.00	0.02	91.00	0.02
49.25	0.05	63.25	0.03	77.25	0.02	91.25	0.02
49.50	0.05	63.50	0.03	77.50	0.02	91.50	0.02
49.75	0.05	63.75	0.03	77.75	0.02	91.75	0.02
50.00	0.05	64.00	0.03	78.00	0.02	92.00	0.02
50.25	0.05	64.25	0.03	78.25	0.02	92.25	0.02
50.50	0.05	64.50	0.03	78.50	0.02	92.50	0.02
50.75	0.05	64.75	0.03	78.75	0.02	92.75	0.01
51.00	0.05	65.00	0.03	79.00	0.02	93.00	0.01
51.25	0.05	65.25	0.03	79.25	0.02	93.25	0.01
51.50	0.05	65.50	0.03	79.50	0.02	93.50	0.01
51.75	0.05	65.75	0.03	79.75	0.02	93.75	0.01
52.00	0.05	66.00	0.03	80.00	0.02	94.00	0.01
52.25	0.05	66.25	0.03	80.25	0.02	94.25	0.01
52.50	0.05	66.50	0.03	80.50	0.02	94.50	0.01
52.75	0.05	66.75	0.03	80.75	0.02	94.75	0.01
53.00	0.05	67.00	0.03	81.00	0.02	95.00	0.01
53.25	0.05	67.25	0.03	81.25	0.02	95.25	0.01
53.50	0.04	67.50	0.03	81.50	0.02	95.50	0.01
53.75	0.04	67.75	0.03	81.75	0.02	95.75	0.01
54.00	0.04	68.00	0.03	82.00	0.02	96.00	0.01

Table 2 – 70%

SMART Meter Power Density Computer Modeling

(1 SMART Meter only – 100% reflections)

Meters 1 Electric Meter

Time Avg: 80% % Reflection 100%

Distance where limits are exceeded			
FCC ft.	0.47	5.7	Inches
BioInitiative ft.	38.30	459.6	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	2354.88	10.25	1.40	20.25	0.36	30.25	0.16
0.50	588.72	10.50	1.33	20.50	0.35	30.50	0.16
0.75	261.65	10.75	1.27	20.75	0.34	30.75	0.16
1.00	147.18	11.00	1.22	21.00	0.33	31.00	0.15
1.25	94.20	11.25	1.16	21.25	0.33	31.25	0.15
1.50	65.41	11.50	1.11	21.50	0.32	31.50	0.15
1.75	48.06	11.75	1.07	21.75	0.31	31.75	0.15
2.00	36.80	12.00	1.02	22.00	0.30	32.00	0.14
2.25	29.07	12.25	0.98	22.25	0.30	32.25	0.14
2.50	23.55	12.50	0.94	22.50	0.29	32.50	0.14
2.75	19.46	12.75	0.91	22.75	0.28	32.75	0.14
3.00	16.35	13.00	0.87	23.00	0.28	33.00	0.14
3.25	13.93	13.25	0.84	23.25	0.27	33.25	0.13
3.50	12.01	13.50	0.81	23.50	0.27	33.50	0.13
3.75	10.47	13.75	0.78	23.75	0.26	33.75	0.13
4.00	9.20	14.00	0.75	24.00	0.26	34.00	0.13
4.25	8.15	14.25	0.72	24.25	0.25	34.25	0.13
4.50	7.27	14.50	0.70	24.50	0.25	34.50	0.12
4.75	6.52	14.75	0.68	24.75	0.24	34.75	0.12
5.00	5.89	15.00	0.65	25.00	0.24	35.00	0.12
5.25	5.34	15.25	0.63	25.25	0.23	35.25	0.12
5.50	4.87	15.50	0.61	25.50	0.23	35.50	0.12
5.75	4.45	15.75	0.59	25.75	0.22	35.75	0.12
6.00	4.09	16.00	0.57	26.00	0.22	36.00	0.11
6.25	3.77	16.25	0.56	26.25	0.21	36.25	0.11
6.50	3.48	16.50	0.54	26.50	0.21	36.50	0.11
6.75	3.23	16.75	0.52	26.75	0.21	36.75	0.11
7.00	3.00	17.00	0.51	27.00	0.20	37.00	0.11
7.25	2.80	17.25	0.49	27.25	0.20	37.25	0.11
7.50	2.62	17.50	0.48	27.50	0.19	37.50	0.10
7.75	2.45	17.75	0.47	27.75	0.19	37.75	0.10
8.00	2.30	18.00	0.45	28.00	0.19	38.00	0.10
8.25	2.16	18.25	0.44	28.25	0.18	38.25	0.10
8.50	2.04	18.50	0.43	28.50	0.18	38.50	0.10
8.75	1.92	18.75	0.42	28.75	0.18	38.75	0.10
9.00	1.82	19.00	0.41	29.00	0.18	39.00	0.10
9.25	1.72	19.25	0.40	29.25	0.17	39.25	0.10
9.50	1.63	19.50	0.39	29.50	0.17	39.50	0.09
9.75	1.55	19.75	0.38	29.75	0.17	39.75	0.09
10.00	1.47	20.00	0.37	30.00	0.16	40.00	0.09

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 2 – 80%

SMART Meter Power Density Computer Modeling

(1 SMART Meter only – 100% reflections)

Meters 1 Electric Meter

Time Avg: 80% % Reflection 100%

Distance where limits are exceeded			
FCC ft.	0.47	5.69	Inches
BioInitiative ft.	38.30	459.60	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.09	54.25	0.05	68.25	0.03	82.25	0.02
40.50	0.09	54.50	0.05	68.50	0.03	82.50	0.02
40.75	0.09	54.75	0.05	68.75	0.03	82.75	0.02
41.00	0.09	55.00	0.05	69.00	0.03	83.00	0.02
41.25	0.09	55.25	0.05	69.25	0.03	83.25	0.02
41.50	0.09	55.50	0.05	69.50	0.03	83.50	0.02
41.75	0.08	55.75	0.05	69.75	0.03	83.75	0.02
42.00	0.08	56.00	0.05	70.00	0.03	84.00	0.02
42.25	0.08	56.25	0.05	70.25	0.03	84.25	0.02
42.50	0.08	56.50	0.05	70.50	0.03	84.50	0.02
42.75	0.08	56.75	0.05	70.75	0.03	84.75	0.02
43.00	0.08	57.00	0.05	71.00	0.03	85.00	0.02
43.25	0.08	57.25	0.04	71.25	0.03	85.25	0.02
43.50	0.08	57.50	0.04	71.50	0.03	85.50	0.02
43.75	0.08	57.75	0.04	71.75	0.03	85.75	0.02
44.00	0.08	58.00	0.04	72.00	0.03	86.00	0.02
44.25	0.08	58.25	0.04	72.25	0.03	86.25	0.02
44.50	0.07	58.50	0.04	72.50	0.03	86.50	0.02
44.75	0.07	58.75	0.04	72.75	0.03	86.75	0.02
45.00	0.07	59.00	0.04	73.00	0.03	87.00	0.02
45.25	0.07	59.25	0.04	73.25	0.03	87.25	0.02
45.50	0.07	59.50	0.04	73.50	0.03	87.50	0.02
45.75	0.07	59.75	0.04	73.75	0.03	87.75	0.02
46.00	0.07	60.00	0.04	74.00	0.03	88.00	0.02
46.25	0.07	60.25	0.04	74.25	0.03	88.25	0.02
46.50	0.07	60.50	0.04	74.50	0.03	88.50	0.02
46.75	0.07	60.75	0.04	74.75	0.03	88.75	0.02
47.00	0.07	61.00	0.04	75.00	0.03	89.00	0.02
47.25	0.07	61.25	0.04	75.25	0.03	89.25	0.02
47.50	0.07	61.50	0.04	75.50	0.03	89.50	0.02
47.75	0.06	61.75	0.04	75.75	0.03	89.75	0.02
48.00	0.06	62.00	0.04	76.00	0.03	90.00	0.02
48.25	0.06	62.25	0.04	76.25	0.03	90.25	0.02
48.50	0.06	62.50	0.04	76.50	0.03	90.50	0.02
48.75	0.06	62.75	0.04	76.75	0.02	90.75	0.02
49.00	0.06	63.00	0.04	77.00	0.02	91.00	0.02
49.25	0.06	63.25	0.04	77.25	0.02	91.25	0.02
49.50	0.06	63.50	0.04	77.50	0.02	91.50	0.02
49.75	0.06	63.75	0.04	77.75	0.02	91.75	0.02
50.00	0.06	64.00	0.04	78.00	0.02	92.00	0.02
50.25	0.06	64.25	0.04	78.25	0.02	92.25	0.02
50.50	0.06	64.50	0.04	78.50	0.02	92.50	0.02
50.75	0.06	64.75	0.04	78.75	0.02	92.75	0.02
51.00	0.06	65.00	0.03	79.00	0.02	93.00	0.02
51.25	0.06	65.25	0.03	79.25	0.02	93.25	0.02
51.50	0.06	65.50	0.03	79.50	0.02	93.50	0.02
51.75	0.05	65.75	0.03	79.75	0.02	93.75	0.02
52.00	0.05	66.00	0.03	80.00	0.02	94.00	0.02
52.25	0.05	66.25	0.03	80.25	0.02	94.25	0.02
52.50	0.05	66.50	0.03	80.50	0.02	94.50	0.02
52.75	0.05	66.75	0.03	80.75	0.02	94.75	0.02
53.00	0.05	67.00	0.03	81.00	0.02	95.00	0.02
53.25	0.05	67.25	0.03	81.25	0.02	95.25	0.02
53.50	0.05	67.50	0.03	81.50	0.02	95.50	0.02
53.75	0.05	67.75	0.03	81.75	0.02	95.75	0.02
54.00	0.05	68.00	0.03	82.00	0.02	96.00	0.02

Table 2 – 80%

SMART Meter Power Density Computer Modeling

(1 SMART Meter only – 100% reflections)

Meters 1 Electric Meter

Time Avg: 90% % Reflection 100%

Distance where limits are exceeded		
FCC ft.	0.50	6.0 Inches
BioInitiative ft.	40.60	487.2 Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	2649.24	10.25	1.58	20.25	0.40	30.25	0.18
0.50	662.31	10.50	1.50	20.50	0.39	30.50	0.18
0.75	294.36	10.75	1.43	20.75	0.38	30.75	0.18
1.00	165.58	11.00	1.37	21.00	0.38	31.00	0.17
1.25	105.97	11.25	1.31	21.25	0.37	31.25	0.17
1.50	73.59	11.50	1.25	21.50	0.36	31.50	0.17
1.75	54.07	11.75	1.20	21.75	0.35	31.75	0.16
2.00	41.39	12.00	1.15	22.00	0.34	32.00	0.16
2.25	32.71	12.25	1.10	22.25	0.33	32.25	0.16
2.50	26.49	12.50	1.06	22.50	0.33	32.50	0.16
2.75	21.89	12.75	1.02	22.75	0.32	32.75	0.15
3.00	18.40	13.00	0.98	23.00	0.31	33.00	0.15
3.25	15.68	13.25	0.94	23.25	0.31	33.25	0.15
3.50	13.52	13.50	0.91	23.50	0.30	33.50	0.15
3.75	11.77	13.75	0.88	23.75	0.29	33.75	0.15
4.00	10.35	14.00	0.84	24.00	0.29	34.00	0.14
4.25	9.17	14.25	0.82	24.25	0.28	34.25	0.14
4.50	8.18	14.50	0.79	24.50	0.28	34.50	0.14
4.75	7.34	14.75	0.76	24.75	0.27	34.75	0.14
5.00	6.62	15.00	0.74	25.00	0.26	35.00	0.14
5.25	6.01	15.25	0.71	25.25	0.26	35.25	0.13
5.50	5.47	15.50	0.69	25.50	0.25	35.50	0.13
5.75	5.01	15.75	0.67	25.75	0.25	35.75	0.13
6.00	4.60	16.00	0.65	26.00	0.24	36.00	0.13
6.25	4.24	16.25	0.63	26.25	0.24	36.25	0.13
6.50	3.92	16.50	0.61	26.50	0.24	36.50	0.12
6.75	3.63	16.75	0.59	26.75	0.23	36.75	0.12
7.00	3.38	17.00	0.57	27.00	0.23	37.00	0.12
7.25	3.15	17.25	0.56	27.25	0.22	37.25	0.12
7.50	2.94	17.50	0.54	27.50	0.22	37.50	0.12
7.75	2.76	17.75	0.53	27.75	0.22	37.75	0.12
8.00	2.59	18.00	0.51	28.00	0.21	38.00	0.11
8.25	2.43	18.25	0.50	28.25	0.21	38.25	0.11
8.50	2.29	18.50	0.48	28.50	0.20	38.50	0.11
8.75	2.16	18.75	0.47	28.75	0.20	38.75	0.11
9.00	2.04	19.00	0.46	29.00	0.20	39.00	0.11
9.25	1.94	19.25	0.45	29.25	0.19	39.25	0.11
9.50	1.83	19.50	0.44	29.50	0.19	39.50	0.11
9.75	1.74	19.75	0.42	29.75	0.19	39.75	0.10
10.00	1.66	20.00	0.41	30.00	0.18	40.00	0.10

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 2 – 90%

SMART Meter Power Density Computer Modeling

(1 SMART Meter only – 100% reflections)

Meters 1 Electric Meter

Time Avg: 90% % Reflection 100%

Distance where limits are exceeded			
FCC ft. 0.50		6.04 Inches	
BioInitiative ft. 40.60		487.20 Inches	

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.10	54.25	0.06	68.25	0.04	82.25	0.02
40.50	0.10	54.50	0.06	68.50	0.04	82.50	0.02
40.75	0.10	54.75	0.06	68.75	0.04	82.75	0.02
41.00	0.10	55.00	0.05	69.00	0.03	83.00	0.02
41.25	0.10	55.25	0.05	69.25	0.03	83.25	0.02
41.50	0.10	55.50	0.05	69.50	0.03	83.50	0.02
41.75	0.09	55.75	0.05	69.75	0.03	83.75	0.02
42.00	0.09	56.00	0.05	70.00	0.03	84.00	0.02
42.25	0.09	56.25	0.05	70.25	0.03	84.25	0.02
42.50	0.09	56.50	0.05	70.50	0.03	84.50	0.02
42.75	0.09	56.75	0.05	70.75	0.03	84.75	0.02
43.00	0.09	57.00	0.05	71.00	0.03	85.00	0.02
43.25	0.09	57.25	0.05	71.25	0.03	85.25	0.02
43.50	0.09	57.50	0.05	71.50	0.03	85.50	0.02
43.75	0.09	57.75	0.05	71.75	0.03	85.75	0.02
44.00	0.09	58.00	0.05	72.00	0.03	86.00	0.02
44.25	0.08	58.25	0.05	72.25	0.03	86.25	0.02
44.50	0.08	58.50	0.05	72.50	0.03	86.50	0.02
44.75	0.08	58.75	0.05	72.75	0.03	86.75	0.02
45.00	0.08	59.00	0.05	73.00	0.03	87.00	0.02
45.25	0.08	59.25	0.05	73.25	0.03	87.25	0.02
45.50	0.08	59.50	0.05	73.50	0.03	87.50	0.02
45.75	0.08	59.75	0.05	73.75	0.03	87.75	0.02
46.00	0.08	60.00	0.05	74.00	0.03	88.00	0.02
46.25	0.08	60.25	0.05	74.25	0.03	88.25	0.02
46.50	0.08	60.50	0.05	74.50	0.03	88.50	0.02
46.75	0.08	60.75	0.04	74.75	0.03	88.75	0.02
47.00	0.07	61.00	0.04	75.00	0.03	89.00	0.02
47.25	0.07	61.25	0.04	75.25	0.03	89.25	0.02
47.50	0.07	61.50	0.04	75.50	0.03	89.50	0.02
47.75	0.07	61.75	0.04	75.75	0.03	89.75	0.02
48.00	0.07	62.00	0.04	76.00	0.03	90.00	0.02
48.25	0.07	62.25	0.04	76.25	0.03	90.25	0.02
48.50	0.07	62.50	0.04	76.50	0.03	90.50	0.02
48.75	0.07	62.75	0.04	76.75	0.03	90.75	0.02
49.00	0.07	63.00	0.04	77.00	0.03	91.00	0.02
49.25	0.07	63.25	0.04	77.25	0.03	91.25	0.02
49.50	0.07	63.50	0.04	77.50	0.03	91.50	0.02
49.75	0.07	63.75	0.04	77.75	0.03	91.75	0.02
50.00	0.07	64.00	0.04	78.00	0.03	92.00	0.02
50.25	0.07	64.25	0.04	78.25	0.03	92.25	0.02
50.50	0.06	64.50	0.04	78.50	0.03	92.50	0.02
50.75	0.06	64.75	0.04	78.75	0.03	92.75	0.02
51.00	0.06	65.00	0.04	79.00	0.03	93.00	0.02
51.25	0.06	65.25	0.04	79.25	0.03	93.25	0.02
51.50	0.06	65.50	0.04	79.50	0.03	93.50	0.02
51.75	0.06	65.75	0.04	79.75	0.03	93.75	0.02
52.00	0.06	66.00	0.04	80.00	0.03	94.00	0.02
52.25	0.06	66.25	0.04	80.25	0.03	94.25	0.02
52.50	0.06	66.50	0.04	80.50	0.03	94.50	0.02
52.75	0.06	66.75	0.04	80.75	0.03	94.75	0.02
53.00	0.06	67.00	0.04	81.00	0.03	95.00	0.02
53.25	0.06	67.25	0.04	81.25	0.03	95.25	0.02
53.50	0.06	67.50	0.04	81.50	0.02	95.50	0.02
53.75	0.06	67.75	0.04	81.75	0.02	95.75	0.02
54.00	0.06	68.00	0.04	82.00	0.02	96.00	0.02

Table 2 – 90%

SMART Meter Power Density Computer Modeling

(1 SMART Meter only – 1000% reflections)

Meters 1 Electric Meter

Time Avg: 1% % Reflection 1000%

Distance where limits are exceeded			
FCC ft.	0.29	3.5	Inches
BioInitiative ft.	23.60	283.2	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	890.44	10.25	0.53	20.25	0.14	30.25	0.06
0.50	222.61	10.50	0.50	20.50	0.13	30.50	0.06
0.75	98.94	10.75	0.48	20.75	0.13	30.75	0.06
1.00	55.65	11.00	0.46	21.00	0.13	31.00	0.06
1.25	35.62	11.25	0.44	21.25	0.12	31.25	0.06
1.50	24.73	11.50	0.42	21.50	0.12	31.50	0.06
1.75	18.17	11.75	0.40	21.75	0.12	31.75	0.06
2.00	13.91	12.00	0.39	22.00	0.11	32.00	0.05
2.25	10.99	12.25	0.37	22.25	0.11	32.25	0.05
2.50	8.90	12.50	0.36	22.50	0.11	32.50	0.05
2.75	7.36	12.75	0.34	22.75	0.11	32.75	0.05
3.00	6.18	13.00	0.33	23.00	0.11	33.00	0.05
3.25	5.27	13.25	0.32	23.25	0.10	33.25	0.05
3.50	4.54	13.50	0.31	23.50	0.10	33.50	0.05
3.75	3.96	13.75	0.29	23.75	0.10	33.75	0.05
4.00	3.48	14.00	0.28	24.00	0.10	34.00	0.05
4.25	3.08	14.25	0.27	24.25	0.09	34.25	0.05
4.50	2.75	14.50	0.26	24.50	0.09	34.50	0.05
4.75	2.47	14.75	0.26	24.75	0.09	34.75	0.05
5.00	2.23	15.00	0.25	25.00	0.09	35.00	0.05
5.25	2.02	15.25	0.24	25.25	0.09	35.25	0.04
5.50	1.84	15.50	0.23	25.50	0.09	35.50	0.04
5.75	1.68	15.75	0.22	25.75	0.08	35.75	0.04
6.00	1.55	16.00	0.22	26.00	0.08	36.00	0.04
6.25	1.42	16.25	0.21	26.25	0.08	36.25	0.04
6.50	1.32	16.50	0.20	26.50	0.08	36.50	0.04
6.75	1.22	16.75	0.20	26.75	0.08	36.75	0.04
7.00	1.14	17.00	0.19	27.00	0.08	37.00	0.04
7.25	1.06	17.25	0.19	27.25	0.07	37.25	0.04
7.50	0.99	17.50	0.18	27.50	0.07	37.50	0.04
7.75	0.93	17.75	0.18	27.75	0.07	37.75	0.04
8.00	0.87	18.00	0.17	28.00	0.07	38.00	0.04
8.25	0.82	18.25	0.17	28.25	0.07	38.25	0.04
8.50	0.77	18.50	0.16	28.50	0.07	38.50	0.04
8.75	0.73	18.75	0.16	28.75	0.07	38.75	0.04
9.00	0.69	19.00	0.15	29.00	0.07	39.00	0.04
9.25	0.65	19.25	0.15	29.25	0.07	39.25	0.04
9.50	0.62	19.50	0.15	29.50	0.06	39.50	0.04
9.75	0.59	19.75	0.14	29.75	0.06	39.75	0.04
10.00	0.56	20.00	0.14	30.00	0.06	40.00	0.03

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 3 – 1%

SMART Meter Power Density Computer Modeling

(1 SMART Meter only – 1000% reflections)

Meters 1 Electric Meter

Time Avg: 1% % Reflection 1000%

Distance where limits are exceeded	
FCC ft. 0.29	3.50 Inches
BioInitiative ft. 23.60	283.20 Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.03	54.25	0.02	68.25	0.01	82.25	0.01
40.50	0.03	54.50	0.02	68.50	0.01	82.50	0.01
40.75	0.03	54.75	0.02	68.75	0.01	82.75	0.01
41.00	0.03	55.00	0.02	69.00	0.01	83.00	0.01
41.25	0.03	55.25	0.02	69.25	0.01	83.25	0.01
41.50	0.03	55.50	0.02	69.50	0.01	83.50	0.01
41.75	0.03	55.75	0.02	69.75	0.01	83.75	0.01
42.00	0.03	56.00	0.02	70.00	0.01	84.00	0.01
42.25	0.03	56.25	0.02	70.25	0.01	84.25	0.01
42.50	0.03	56.50	0.02	70.50	0.01	84.50	0.01
42.75	0.03	56.75	0.02	70.75	0.01	84.75	0.01
43.00	0.03	57.00	0.02	71.00	0.01	85.00	0.01
43.25	0.03	57.25	0.02	71.25	0.01	85.25	0.01
43.50	0.03	57.50	0.02	71.50	0.01	85.50	0.01
43.75	0.03	57.75	0.02	71.75	0.01	85.75	0.01
44.00	0.03	58.00	0.02	72.00	0.01	86.00	0.01
44.25	0.03	58.25	0.02	72.25	0.01	86.25	0.01
44.50	0.03	58.50	0.02	72.50	0.01	86.50	0.01
44.75	0.03	58.75	0.02	72.75	0.01	86.75	0.01
45.00	0.03	59.00	0.02	73.00	0.01	87.00	0.01
45.25	0.03	59.25	0.02	73.25	0.01	87.25	0.01
45.50	0.03	59.50	0.02	73.50	0.01	87.50	0.01
45.75	0.03	59.75	0.02	73.75	0.01	87.75	0.01
46.00	0.03	60.00	0.02	74.00	0.01	88.00	0.01
46.25	0.03	60.25	0.02	74.25	0.01	88.25	0.01
46.50	0.03	60.50	0.02	74.50	0.01	88.50	0.01
46.75	0.03	60.75	0.02	74.75	0.01	88.75	0.01
47.00	0.03	61.00	0.01	75.00	0.01	89.00	0.01
47.25	0.02	61.25	0.01	75.25	0.01	89.25	0.01
47.50	0.02	61.50	0.01	75.50	0.01	89.50	0.01
47.75	0.02	61.75	0.01	75.75	0.01	89.75	0.01
48.00	0.02	62.00	0.01	76.00	0.01	90.00	0.01
48.25	0.02	62.25	0.01	76.25	0.01	90.25	0.01
48.50	0.02	62.50	0.01	76.50	0.01	90.50	0.01
48.75	0.02	62.75	0.01	76.75	0.01	90.75	0.01
49.00	0.02	63.00	0.01	77.00	0.01	91.00	0.01
49.25	0.02	63.25	0.01	77.25	0.01	91.25	0.01
49.50	0.02	63.50	0.01	77.50	0.01	91.50	0.01
49.75	0.02	63.75	0.01	77.75	0.01	91.75	0.01
50.00	0.02	64.00	0.01	78.00	0.01	92.00	0.01
50.25	0.02	64.25	0.01	78.25	0.01	92.25	0.01
50.50	0.02	64.50	0.01	78.50	0.01	92.50	0.01
50.75	0.02	64.75	0.01	78.75	0.01	92.75	0.01
51.00	0.02	65.00	0.01	79.00	0.01	93.00	0.01
51.25	0.02	65.25	0.01	79.25	0.01	93.25	0.01
51.50	0.02	65.50	0.01	79.50	0.01	93.50	0.01
51.75	0.02	65.75	0.01	79.75	0.01	93.75	0.01
52.00	0.02	66.00	0.01	80.00	0.01	94.00	0.01
52.25	0.02	66.25	0.01	80.25	0.01	94.25	0.01
52.50	0.02	66.50	0.01	80.50	0.01	94.50	0.01
52.75	0.02	66.75	0.01	80.75	0.01	94.75	0.01
53.00	0.02	67.00	0.01	81.00	0.01	95.00	0.01
53.25	0.02	67.25	0.01	81.25	0.01	95.25	0.01
53.50	0.02	67.50	0.01	81.50	0.01	95.50	0.01
53.75	0.02	67.75	0.01	81.75	0.01	95.75	0.01
54.00	0.02	68.00	0.01	82.00	0.01	96.00	0.01

Table 3 – 1%

SMART Meter Power Density Computer Modeling

(1 SMART Meter only – 1000% reflections)

Meters 1 Electric Meter

Time Avg: 10% % Reflection 1000%

Distance where limits are exceeded			
FCC ft.	0.92	11.1	Inches
BioInitiative ft.	74.50	894.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	8904.39	10.25	5.30	20.25	1.36	30.25	0.61
0.50	2226.10	10.50	5.05	20.50	1.32	30.50	0.60
0.75	989.38	10.75	4.82	20.75	1.29	30.75	0.59
1.00	556.52	11.00	4.60	21.00	1.26	31.00	0.58
1.25	356.18	11.25	4.40	21.25	1.23	31.25	0.57
1.50	247.34	11.50	4.21	21.50	1.20	31.50	0.56
1.75	181.72	11.75	4.03	21.75	1.18	31.75	0.55
2.00	139.13	12.00	3.86	22.00	1.15	32.00	0.54
2.25	109.93	12.25	3.71	22.25	1.12	32.25	0.54
2.50	89.04	12.50	3.56	22.50	1.10	32.50	0.53
2.75	73.59	12.75	3.42	22.75	1.08	32.75	0.52
3.00	61.84	13.00	3.29	23.00	1.05	33.00	0.51
3.25	52.69	13.25	3.17	23.25	1.03	33.25	0.50
3.50	45.43	13.50	3.05	23.50	1.01	33.50	0.50
3.75	39.58	13.75	2.94	23.75	0.99	33.75	0.49
4.00	34.78	14.00	2.84	24.00	0.97	34.00	0.48
4.25	30.81	14.25	2.74	24.25	0.95	34.25	0.47
4.50	27.48	14.50	2.65	24.50	0.93	34.50	0.47
4.75	24.67	14.75	2.56	24.75	0.91	34.75	0.46
5.00	22.26	15.00	2.47	25.00	0.89	35.00	0.45
5.25	20.19	15.25	2.39	25.25	0.87	35.25	0.45
5.50	18.40	15.50	2.32	25.50	0.86	35.50	0.44
5.75	16.83	15.75	2.24	25.75	0.84	35.75	0.44
6.00	15.46	16.00	2.17	26.00	0.82	36.00	0.43
6.25	14.25	16.25	2.11	26.25	0.81	36.25	0.42
6.50	13.17	16.50	2.04	26.50	0.79	36.50	0.42
6.75	12.21	16.75	1.98	26.75	0.78	36.75	0.41
7.00	11.36	17.00	1.93	27.00	0.76	37.00	0.41
7.25	10.59	17.25	1.87	27.25	0.75	37.25	0.40
7.50	9.89	17.50	1.82	27.50	0.74	37.50	0.40
7.75	9.27	17.75	1.77	27.75	0.72	37.75	0.39
8.00	8.70	18.00	1.72	28.00	0.71	38.00	0.39
8.25	8.18	18.25	1.67	28.25	0.70	38.25	0.38
8.50	7.70	18.50	1.63	28.50	0.69	38.50	0.38
8.75	7.27	18.75	1.58	28.75	0.67	38.75	0.37
9.00	6.87	19.00	1.54	29.00	0.66	39.00	0.37
9.25	6.50	19.25	1.50	29.25	0.65	39.25	0.36
9.50	6.17	19.50	1.46	29.50	0.64	39.50	0.36
9.75	5.85	19.75	1.43	29.75	0.63	39.75	0.35
10.00	5.57	20.00	1.39	30.00	0.62	40.00	0.35

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 3 – 10%

SMART Meter Power Density Computer Modeling

(1 SMART Meter only – 1000% reflections)

Meters 1 Electric Meter

Time Avg: 10% % Reflection 1000%

Distance where limits are exceeded			
FCC ft. 0.92		11.07 Inches	
BioInitiative ft. 74.50		894.00 Inches	

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.34	54.25	0.19	68.25	0.12	82.25	0.08
40.50	0.34	54.50	0.19	68.50	0.12	82.50	0.08
40.75	0.34	54.75	0.19	68.75	0.12	82.75	0.08
41.00	0.33	55.00	0.18	69.00	0.12	83.00	0.08
41.25	0.33	55.25	0.18	69.25	0.12	83.25	0.08
41.50	0.32	55.50	0.18	69.50	0.12	83.50	0.08
41.75	0.32	55.75	0.18	69.75	0.11	83.75	0.08
42.00	0.32	56.00	0.18	70.00	0.11	84.00	0.08
42.25	0.31	56.25	0.18	70.25	0.11	84.25	0.08
42.50	0.31	56.50	0.17	70.50	0.11	84.50	0.08
42.75	0.30	56.75	0.17	70.75	0.11	84.75	0.08
43.00	0.30	57.00	0.17	71.00	0.11	85.00	0.08
43.25	0.30	57.25	0.17	71.25	0.11	85.25	0.08
43.50	0.29	57.50	0.17	71.50	0.11	85.50	0.08
43.75	0.29	57.75	0.17	71.75	0.11	85.75	0.08
44.00	0.29	58.00	0.17	72.00	0.11	86.00	0.08
44.25	0.28	58.25	0.16	72.25	0.11	86.25	0.07
44.50	0.28	58.50	0.16	72.50	0.11	86.50	0.07
44.75	0.28	58.75	0.16	72.75	0.11	86.75	0.07
45.00	0.27	59.00	0.16	73.00	0.10	87.00	0.07
45.25	0.27	59.25	0.16	73.25	0.10	87.25	0.07
45.50	0.27	59.50	0.16	73.50	0.10	87.50	0.07
45.75	0.27	59.75	0.16	73.75	0.10	87.75	0.07
46.00	0.26	60.00	0.15	74.00	0.10	88.00	0.07
46.25	0.26	60.25	0.15	74.25	0.10	88.25	0.07
46.50	0.26	60.50	0.15	74.50	0.10	88.50	0.07
46.75	0.25	60.75	0.15	74.75	0.10	88.75	0.07
47.00	0.25	61.00	0.15	75.00	0.10	89.00	0.07
47.25	0.25	61.25	0.15	75.25	0.10	89.25	0.07
47.50	0.25	61.50	0.15	75.50	0.10	89.50	0.07
47.75	0.24	61.75	0.15	75.75	0.10	89.75	0.07
48.00	0.24	62.00	0.14	76.00	0.10	90.00	0.07
48.25	0.24	62.25	0.14	76.25	0.10	90.25	0.07
48.50	0.24	62.50	0.14	76.50	0.10	90.50	0.07
48.75	0.23	62.75	0.14	76.75	0.09	90.75	0.07
49.00	0.23	63.00	0.14	77.00	0.09	91.00	0.07
49.25	0.23	63.25	0.14	77.25	0.09	91.25	0.07
49.50	0.23	63.50	0.14	77.50	0.09	91.50	0.07
49.75	0.22	63.75	0.14	77.75	0.09	91.75	0.07
50.00	0.22	64.00	0.14	78.00	0.09	92.00	0.07
50.25	0.22	64.25	0.13	78.25	0.09	92.25	0.07
50.50	0.22	64.50	0.13	78.50	0.09	92.50	0.07
50.75	0.22	64.75	0.13	78.75	0.09	92.75	0.06
51.00	0.21	65.00	0.13	79.00	0.09	93.00	0.06
51.25	0.21	65.25	0.13	79.25	0.09	93.25	0.06
51.50	0.21	65.50	0.13	79.50	0.09	93.50	0.06
51.75	0.21	65.75	0.13	79.75	0.09	93.75	0.06
52.00	0.21	66.00	0.13	80.00	0.09	94.00	0.06
52.25	0.20	66.25	0.13	80.25	0.09	94.25	0.06
52.50	0.20	66.50	0.13	80.50	0.09	94.50	0.06
52.75	0.20	66.75	0.12	80.75	0.09	94.75	0.06
53.00	0.20	67.00	0.12	81.00	0.08	95.00	0.06
53.25	0.20	67.25	0.12	81.25	0.08	95.25	0.06
53.50	0.19	67.50	0.12	81.50	0.08	95.50	0.06
53.75	0.19	67.75	0.12	81.75	0.08	95.75	0.06
54.00	0.19	68.00	0.12	82.00	0.08	96.00	0.06

Table 3 – 10%

SMART Meter Power Density Computer Modeling

(1 SMART Meter only – 1000% reflections)

Meters 1 Electric Meter

Time Avg: 20% % Reflection 1000%

Distance where limits are exceeded			
FCC ft.	1.30	15.6	Inches
BioInitiative ft.	105.60	1267.2	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	17808.79	10.25	10.59	20.25	2.71	30.25	1.22
0.50	4452.20	10.50	10.10	20.50	2.65	30.50	1.20
0.75	1978.75	10.75	9.63	20.75	2.59	30.75	1.18
1.00	1113.05	11.00	9.20	21.00	2.52	31.00	1.16
1.25	712.35	11.25	8.79	21.25	2.46	31.25	1.14
1.50	494.69	11.50	8.42	21.50	2.41	31.50	1.12
1.75	363.44	11.75	8.06	21.75	2.35	31.75	1.10
2.00	278.26	12.00	7.73	22.00	2.30	32.00	1.09
2.25	219.86	12.25	7.42	22.25	2.25	32.25	1.07
2.50	178.09	12.50	7.12	22.50	2.20	32.50	1.05
2.75	147.18	12.75	6.85	22.75	2.15	32.75	1.04
3.00	123.67	13.00	6.59	23.00	2.10	33.00	1.02
3.25	105.38	13.25	6.34	23.25	2.06	33.25	1.01
3.50	90.86	13.50	6.11	23.50	2.02	33.50	0.99
3.75	79.15	13.75	5.89	23.75	1.97	33.75	0.98
4.00	69.57	14.00	5.68	24.00	1.93	34.00	0.96
4.25	61.62	14.25	5.48	24.25	1.89	34.25	0.95
4.50	54.97	14.50	5.29	24.50	1.85	34.50	0.94
4.75	49.33	14.75	5.12	24.75	1.82	34.75	0.92
5.00	44.52	15.00	4.95	25.00	1.78	35.00	0.91
5.25	40.38	15.25	4.79	25.25	1.75	35.25	0.90
5.50	36.80	15.50	4.63	25.50	1.71	35.50	0.88
5.75	33.67	15.75	4.49	25.75	1.68	35.75	0.87
6.00	30.92	16.00	4.35	26.00	1.65	36.00	0.86
6.25	28.49	16.25	4.22	26.25	1.62	36.25	0.85
6.50	26.34	16.50	4.09	26.50	1.58	36.50	0.84
6.75	24.43	16.75	3.97	26.75	1.56	36.75	0.82
7.00	22.72	17.00	3.85	27.00	1.53	37.00	0.81
7.25	21.18	17.25	3.74	27.25	1.50	37.25	0.80
7.50	19.79	17.50	3.63	27.50	1.47	37.50	0.79
7.75	18.53	17.75	3.53	27.75	1.45	37.75	0.78
8.00	17.39	18.00	3.44	28.00	1.42	38.00	0.77
8.25	16.35	18.25	3.34	28.25	1.39	38.25	0.76
8.50	15.41	18.50	3.25	28.50	1.37	38.50	0.75
8.75	14.54	18.75	3.17	28.75	1.35	38.75	0.74
9.00	13.74	19.00	3.08	29.00	1.32	39.00	0.73
9.25	13.01	19.25	3.00	29.25	1.30	39.25	0.72
9.50	12.33	19.50	2.93	29.50	1.28	39.50	0.71
9.75	11.71	19.75	2.85	29.75	1.26	39.75	0.70
10.00	11.13	20.00	2.78	30.00	1.24	40.00	0.70

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 3 – 20%

SMART Meter Power Density Computer Modeling

(1 SMART Meter only – 1000% reflections)

Meters 1 Electric Meter

Time Avg: 20% % Reflection 1000%

Distance where limits are exceeded			
FCC ft. 1.30		15.65 Inches	
BioInitiative ft. 105.60		1267.20 Inches	

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.69	54.25	0.38	68.25	0.24	82.25	0.16
40.50	0.68	54.50	0.37	68.50	0.24	82.50	0.16
40.75	0.67	54.75	0.37	68.75	0.24	82.75	0.16
41.00	0.66	55.00	0.37	69.00	0.23	83.00	0.16
41.25	0.65	55.25	0.36	69.25	0.23	83.25	0.16
41.50	0.65	55.50	0.36	69.50	0.23	83.50	0.16
41.75	0.64	55.75	0.36	69.75	0.23	83.75	0.16
42.00	0.63	56.00	0.35	70.00	0.23	84.00	0.16
42.25	0.62	56.25	0.35	70.25	0.23	84.25	0.16
42.50	0.62	56.50	0.35	70.50	0.22	84.50	0.16
42.75	0.61	56.75	0.35	70.75	0.22	84.75	0.15
43.00	0.60	57.00	0.34	71.00	0.22	85.00	0.15
43.25	0.60	57.25	0.34	71.25	0.22	85.25	0.15
43.50	0.59	57.50	0.34	71.50	0.22	85.50	0.15
43.75	0.58	57.75	0.33	71.75	0.22	85.75	0.15
44.00	0.57	58.00	0.33	72.00	0.21	86.00	0.15
44.25	0.57	58.25	0.33	72.25	0.21	86.25	0.15
44.50	0.56	58.50	0.33	72.50	0.21	86.50	0.15
44.75	0.56	58.75	0.32	72.75	0.21	86.75	0.15
45.00	0.55	59.00	0.32	73.00	0.21	87.00	0.15
45.25	0.54	59.25	0.32	73.25	0.21	87.25	0.15
45.50	0.54	59.50	0.31	73.50	0.21	87.50	0.15
45.75	0.53	59.75	0.31	73.75	0.20	87.75	0.14
46.00	0.53	60.00	0.31	74.00	0.20	88.00	0.14
46.25	0.52	60.25	0.31	74.25	0.20	88.25	0.14
46.50	0.51	60.50	0.30	74.50	0.20	88.50	0.14
46.75	0.51	60.75	0.30	74.75	0.20	88.75	0.14
47.00	0.50	61.00	0.30	75.00	0.20	89.00	0.14
47.25	0.50	61.25	0.30	75.25	0.20	89.25	0.14
47.50	0.49	61.50	0.29	75.50	0.20	89.50	0.14
47.75	0.49	61.75	0.29	75.75	0.19	89.75	0.14
48.00	0.48	62.00	0.29	76.00	0.19	90.00	0.14
48.25	0.48	62.25	0.29	76.25	0.19	90.25	0.14
48.50	0.47	62.50	0.28	76.50	0.19	90.50	0.14
48.75	0.47	62.75	0.28	76.75	0.19	90.75	0.14
49.00	0.46	63.00	0.28	77.00	0.19	91.00	0.13
49.25	0.46	63.25	0.28	77.25	0.19	91.25	0.13
49.50	0.45	63.50	0.28	77.50	0.19	91.50	0.13
49.75	0.45	63.75	0.27	77.75	0.18	91.75	0.13
50.00	0.45	64.00	0.27	78.00	0.18	92.00	0.13
50.25	0.44	64.25	0.27	78.25	0.18	92.25	0.13
50.50	0.44	64.50	0.27	78.50	0.18	92.50	0.13
50.75	0.43	64.75	0.27	78.75	0.18	92.75	0.13
51.00	0.43	65.00	0.26	79.00	0.18	93.00	0.13
51.25	0.42	65.25	0.26	79.25	0.18	93.25	0.13
51.50	0.42	65.50	0.26	79.50	0.18	93.50	0.13
51.75	0.42	65.75	0.26	79.75	0.18	93.75	0.13
52.00	0.41	66.00	0.26	80.00	0.17	94.00	0.13
52.25	0.41	66.25	0.25	80.25	0.17	94.25	0.13
52.50	0.40	66.50	0.25	80.50	0.17	94.50	0.12
52.75	0.40	66.75	0.25	80.75	0.17	94.75	0.12
53.00	0.40	67.00	0.25	81.00	0.17	95.00	0.12
53.25	0.39	67.25	0.25	81.25	0.17	95.25	0.12
53.50	0.39	67.50	0.24	81.50	0.17	95.50	0.12
53.75	0.39	67.75	0.24	81.75	0.17	95.75	0.12
54.00	0.38	68.00	0.24	82.00	0.17	96.00	0.12

Table 3 – 20%

SMART Meter Power Density Computer Modeling

(1 SMART Meter only – 1000% reflections)

Meters 1 Electric Meter

Time Avg: 30% % Reflection 1000%

Distance where limits are exceeded			
FCC ft.	1.60	19.2	Inches
BioInitiative ft.	129.00	1548.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	26713.18	10.25	15.89	20.25	4.07	30.25	1.82
0.50	6678.30	10.50	15.14	20.50	3.97	30.50	1.79
0.75	2968.13	10.75	14.45	20.75	3.88	30.75	1.77
1.00	1669.57	11.00	13.80	21.00	3.79	31.00	1.74
1.25	1068.53	11.25	13.19	21.25	3.70	31.25	1.71
1.50	742.03	11.50	12.62	21.50	3.61	31.50	1.68
1.75	545.17	11.75	12.09	21.75	3.53	31.75	1.66
2.00	417.39	12.00	11.59	22.00	3.45	32.00	1.63
2.25	329.79	12.25	11.13	22.25	3.37	32.25	1.61
2.50	267.13	12.50	10.69	22.50	3.30	32.50	1.58
2.75	220.77	12.75	10.27	22.75	3.23	32.75	1.56
3.00	185.51	13.00	9.88	23.00	3.16	33.00	1.53
3.25	158.07	13.25	9.51	23.25	3.09	33.25	1.51
3.50	136.29	13.50	9.16	23.50	3.02	33.50	1.49
3.75	118.73	13.75	8.83	23.75	2.96	33.75	1.47
4.00	104.35	14.00	8.52	24.00	2.90	34.00	1.44
4.25	92.43	14.25	8.22	24.25	2.84	34.25	1.42
4.50	82.45	14.50	7.94	24.50	2.78	34.50	1.40
4.75	74.00	14.75	7.67	24.75	2.73	34.75	1.38
5.00	66.78	15.00	7.42	25.00	2.67	35.00	1.36
5.25	60.57	15.25	7.18	25.25	2.62	35.25	1.34
5.50	55.19	15.50	6.95	25.50	2.57	35.50	1.32
5.75	50.50	15.75	6.73	25.75	2.52	35.75	1.31
6.00	46.38	16.00	6.52	26.00	2.47	36.00	1.29
6.25	42.74	16.25	6.32	26.25	2.42	36.25	1.27
6.50	39.52	16.50	6.13	26.50	2.38	36.50	1.25
6.75	36.64	16.75	5.95	26.75	2.33	36.75	1.24
7.00	34.07	17.00	5.78	27.00	2.29	37.00	1.22
7.25	31.76	17.25	5.61	27.25	2.25	37.25	1.20
7.50	29.68	17.50	5.45	27.50	2.21	37.50	1.19
7.75	27.80	17.75	5.30	27.75	2.17	37.75	1.17
8.00	26.09	18.00	5.15	28.00	2.13	38.00	1.16
8.25	24.53	18.25	5.01	28.25	2.09	38.25	1.14
8.50	23.11	18.50	4.88	28.50	2.06	38.50	1.13
8.75	21.81	18.75	4.75	28.75	2.02	38.75	1.11
9.00	20.61	19.00	4.62	29.00	1.99	39.00	1.10
9.25	19.51	19.25	4.51	29.25	1.95	39.25	1.08
9.50	18.50	19.50	4.39	29.50	1.92	39.50	1.07
9.75	17.56	19.75	4.28	29.75	1.89	39.75	1.06
10.00	16.70	20.00	4.17	30.00	1.86	40.00	1.04

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 3 – 30%

SMART Meter Power Density Computer Modeling

(1 SMART Meter only – 1000% reflections)

Meters 1 Electric Meter

Time Avg: 30% % Reflection 1000%

Distance where limits are exceeded			
FCC ft. 1.60		19.17 Inches	
BioInitiative ft. 129.00		1548.00 Inches	

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	1.03	54.25	0.57	68.25	0.36	82.25	0.25
40.50	1.02	54.50	0.56	68.50	0.36	82.50	0.25
40.75	1.01	54.75	0.56	68.75	0.35	82.75	0.24
41.00	0.99	55.00	0.55	69.00	0.35	83.00	0.24
41.25	0.98	55.25	0.55	69.25	0.35	83.25	0.24
41.50	0.97	55.50	0.54	69.50	0.35	83.50	0.24
41.75	0.96	55.75	0.54	69.75	0.34	83.75	0.24
42.00	0.95	56.00	0.53	70.00	0.34	84.00	0.24
42.25	0.94	56.25	0.53	70.25	0.34	84.25	0.24
42.50	0.92	56.50	0.52	70.50	0.34	84.50	0.23
42.75	0.91	56.75	0.52	70.75	0.33	84.75	0.23
43.00	0.90	57.00	0.51	71.00	0.33	85.00	0.23
43.25	0.89	57.25	0.51	71.25	0.33	85.25	0.23
43.50	0.88	57.50	0.50	71.50	0.33	85.50	0.23
43.75	0.87	57.75	0.50	71.75	0.32	85.75	0.23
44.00	0.86	58.00	0.50	72.00	0.32	86.00	0.23
44.25	0.85	58.25	0.49	72.25	0.32	86.25	0.22
44.50	0.84	58.50	0.49	72.50	0.32	86.50	0.22
44.75	0.83	58.75	0.48	72.75	0.32	86.75	0.22
45.00	0.82	59.00	0.48	73.00	0.31	87.00	0.22
45.25	0.82	59.25	0.48	73.25	0.31	87.25	0.22
45.50	0.81	59.50	0.47	73.50	0.31	87.50	0.22
45.75	0.80	59.75	0.47	73.75	0.31	87.75	0.22
46.00	0.79	60.00	0.46	74.00	0.30	88.00	0.22
46.25	0.78	60.25	0.46	74.25	0.30	88.25	0.21
46.50	0.77	60.50	0.46	74.50	0.30	88.50	0.21
46.75	0.76	60.75	0.45	74.75	0.30	88.75	0.21
47.00	0.76	61.00	0.45	75.00	0.30	89.00	0.21
47.25	0.75	61.25	0.45	75.25	0.29	89.25	0.21
47.50	0.74	61.50	0.44	75.50	0.29	89.50	0.21
47.75	0.73	61.75	0.44	75.75	0.29	89.75	0.21
48.00	0.72	62.00	0.43	76.00	0.29	90.00	0.21
48.25	0.72	62.25	0.43	76.25	0.29	90.25	0.20
48.50	0.71	62.50	0.43	76.50	0.29	90.50	0.20
48.75	0.70	62.75	0.42	76.75	0.28	90.75	0.20
49.00	0.70	63.00	0.42	77.00	0.28	91.00	0.20
49.25	0.69	63.25	0.42	77.25	0.28	91.25	0.20
49.50	0.68	63.50	0.41	77.50	0.28	91.50	0.20
49.75	0.67	63.75	0.41	77.75	0.28	91.75	0.20
50.00	0.67	64.00	0.41	78.00	0.27	92.00	0.20
50.25	0.66	64.25	0.40	78.25	0.27	92.25	0.20
50.50	0.65	64.50	0.40	78.50	0.27	92.50	0.20
50.75	0.65	64.75	0.40	78.75	0.27	92.75	0.19
51.00	0.64	65.00	0.40	79.00	0.27	93.00	0.19
51.25	0.64	65.25	0.39	79.25	0.27	93.25	0.19
51.50	0.63	65.50	0.39	79.50	0.26	93.50	0.19
51.75	0.62	65.75	0.39	79.75	0.26	93.75	0.19
52.00	0.62	66.00	0.38	80.00	0.26	94.00	0.19
52.25	0.61	66.25	0.38	80.25	0.26	94.25	0.19
52.50	0.61	66.50	0.38	80.50	0.26	94.50	0.19
52.75	0.60	66.75	0.37	80.75	0.26	94.75	0.19
53.00	0.59	67.00	0.37	81.00	0.25	95.00	0.18
53.25	0.59	67.25	0.37	81.25	0.25	95.25	0.18
53.50	0.58	67.50	0.37	81.50	0.25	95.50	0.18
53.75	0.58	67.75	0.36	81.75	0.25	95.75	0.18
54.00	0.57	68.00	0.36	82.00	0.25	96.00	0.18

Table 3 – 30%

SMART Meter Power Density Computer Modeling

(1 SMART Meter only – 1000% reflections)

Meters 1 Electric Meter

Time Avg: 40% % Reflection 1000%

Distance where limits are exceeded			
FCC ft.	1.84	22.1	Inches
BioInitiative ft.	149.00	1788.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	35617.57	10.25	21.19	20.25	5.43	30.25	2.43
0.50	8904.39	10.50	20.19	20.50	5.30	30.50	2.39
0.75	3957.51	10.75	19.26	20.75	5.17	30.75	2.35
1.00	2226.10	11.00	18.40	21.00	5.05	31.00	2.32
1.25	1424.70	11.25	17.59	21.25	4.93	31.25	2.28
1.50	989.38	11.50	16.83	21.50	4.82	31.50	2.24
1.75	726.89	11.75	16.12	21.75	4.71	31.75	2.21
2.00	556.52	12.00	15.46	22.00	4.60	32.00	2.17
2.25	439.72	12.25	14.83	22.25	4.50	32.25	2.14
2.50	356.18	12.50	14.25	22.50	4.40	32.50	2.11
2.75	294.36	12.75	13.69	22.75	4.30	32.75	2.08
3.00	247.34	13.00	13.17	23.00	4.21	33.00	2.04
3.25	210.75	13.25	12.68	23.25	4.12	33.25	2.01
3.50	181.72	13.50	12.21	23.50	4.03	33.50	1.98
3.75	158.30	13.75	11.77	23.75	3.95	33.75	1.95
4.00	139.13	14.00	11.36	24.00	3.86	34.00	1.93
4.25	123.24	14.25	10.96	24.25	3.79	34.25	1.90
4.50	109.93	14.50	10.59	24.50	3.71	34.50	1.87
4.75	98.66	14.75	10.23	24.75	3.63	34.75	1.84
5.00	89.04	15.00	9.89	25.00	3.56	35.00	1.82
5.25	80.77	15.25	9.57	25.25	3.49	35.25	1.79
5.50	73.59	15.50	9.27	25.50	3.42	35.50	1.77
5.75	67.33	15.75	8.97	25.75	3.36	35.75	1.74
6.00	61.84	16.00	8.70	26.00	3.29	36.00	1.72
6.25	56.99	16.25	8.43	26.25	3.23	36.25	1.69
6.50	52.69	16.50	8.18	26.50	3.17	36.50	1.67
6.75	48.86	16.75	7.93	26.75	3.11	36.75	1.65
7.00	45.43	17.00	7.70	27.00	3.05	37.00	1.63
7.25	42.35	17.25	7.48	27.25	3.00	37.25	1.60
7.50	39.58	17.50	7.27	27.50	2.94	37.50	1.58
7.75	37.06	17.75	7.07	27.75	2.89	37.75	1.56
8.00	34.78	18.00	6.87	28.00	2.84	38.00	1.54
8.25	32.71	18.25	6.68	28.25	2.79	38.25	1.52
8.50	30.81	18.50	6.50	28.50	2.74	38.50	1.50
8.75	29.08	18.75	6.33	28.75	2.69	38.75	1.48
9.00	27.48	19.00	6.17	29.00	2.65	39.00	1.46
9.25	26.02	19.25	6.01	29.25	2.60	39.25	1.44
9.50	24.67	19.50	5.85	29.50	2.56	39.50	1.43
9.75	23.42	19.75	5.71	29.75	2.52	39.75	1.41
10.00	22.26	20.00	5.57	30.00	2.47	40.00	1.39

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 3 – 40%

SMART Meter Power Density Computer Modeling

(1 SMART Meter only – 1000% reflections)

Meters 1 Electric Meter

Time Avg: 40% % Reflection 1000%

Distance where limits are exceeded			
FCC ft. 1.84		22.13 Inches	
BioInitiative ft. 149.00		1788.00 Inches	

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	1.37	54.25	0.76	68.25	0.48	82.25	0.33
40.50	1.36	54.50	0.75	68.50	0.47	82.50	0.33
40.75	1.34	54.75	0.74	68.75	0.47	82.75	0.33
41.00	1.32	55.00	0.74	69.00	0.47	83.00	0.32
41.25	1.31	55.25	0.73	69.25	0.46	83.25	0.32
41.50	1.29	55.50	0.72	69.50	0.46	83.50	0.32
41.75	1.28	55.75	0.72	69.75	0.46	83.75	0.32
42.00	1.26	56.00	0.71	70.00	0.45	84.00	0.32
42.25	1.25	56.25	0.70	70.25	0.45	84.25	0.31
42.50	1.23	56.50	0.70	70.50	0.45	84.50	0.31
42.75	1.22	56.75	0.69	70.75	0.44	84.75	0.31
43.00	1.20	57.00	0.69	71.00	0.44	85.00	0.31
43.25	1.19	57.25	0.68	71.25	0.44	85.25	0.31
43.50	1.18	57.50	0.67	71.50	0.44	85.50	0.30
43.75	1.16	57.75	0.67	71.75	0.43	85.75	0.30
44.00	1.15	58.00	0.66	72.00	0.43	86.00	0.30
44.25	1.14	58.25	0.66	72.25	0.43	86.25	0.30
44.50	1.12	58.50	0.65	72.50	0.42	86.50	0.30
44.75	1.11	58.75	0.64	72.75	0.42	86.75	0.30
45.00	1.10	59.00	0.64	73.00	0.42	87.00	0.29
45.25	1.09	59.25	0.63	73.25	0.41	87.25	0.29
45.50	1.08	59.50	0.63	73.50	0.41	87.50	0.29
45.75	1.06	59.75	0.62	73.75	0.41	87.75	0.29
46.00	1.05	60.00	0.62	74.00	0.41	88.00	0.29
46.25	1.04	60.25	0.61	74.25	0.40	88.25	0.29
46.50	1.03	60.50	0.61	74.50	0.40	88.50	0.28
46.75	1.02	60.75	0.60	74.75	0.40	88.75	0.28
47.00	1.01	61.00	0.60	75.00	0.40	89.00	0.28
47.25	1.00	61.25	0.59	75.25	0.39	89.25	0.28
47.50	0.99	61.50	0.59	75.50	0.39	89.50	0.28
47.75	0.98	61.75	0.58	75.75	0.39	89.75	0.28
48.00	0.97	62.00	0.58	76.00	0.39	90.00	0.27
48.25	0.96	62.25	0.57	76.25	0.38	90.25	0.27
48.50	0.95	62.50	0.57	76.50	0.38	90.50	0.27
48.75	0.94	62.75	0.57	76.75	0.38	90.75	0.27
49.00	0.93	63.00	0.56	77.00	0.38	91.00	0.27
49.25	0.92	63.25	0.56	77.25	0.37	91.25	0.27
49.50	0.91	63.50	0.55	77.50	0.37	91.50	0.27
49.75	0.90	63.75	0.55	77.75	0.37	91.75	0.26
50.00	0.89	64.00	0.54	78.00	0.37	92.00	0.26
50.25	0.88	64.25	0.54	78.25	0.36	92.25	0.26
50.50	0.87	64.50	0.54	78.50	0.36	92.50	0.26
50.75	0.86	64.75	0.53	78.75	0.36	92.75	0.26
51.00	0.86	65.00	0.53	79.00	0.36	93.00	0.26
51.25	0.85	65.25	0.52	79.25	0.35	93.25	0.26
51.50	0.84	65.50	0.52	79.50	0.35	93.50	0.25
51.75	0.83	65.75	0.51	79.75	0.35	93.75	0.25
52.00	0.82	66.00	0.51	80.00	0.35	94.00	0.25
52.25	0.82	66.25	0.51	80.25	0.35	94.25	0.25
52.50	0.81	66.50	0.50	80.50	0.34	94.50	0.25
52.75	0.80	66.75	0.50	80.75	0.34	94.75	0.25
53.00	0.79	67.00	0.50	81.00	0.34	95.00	0.25
53.25	0.79	67.25	0.49	81.25	0.34	95.25	0.25
53.50	0.78	67.50	0.49	81.50	0.34	95.50	0.24
53.75	0.77	67.75	0.48	81.75	0.33	95.75	0.24
54.00	0.76	68.00	0.48	82.00	0.33	96.00	0.24

Table 3 – 40%

SMART Meter Power Density Computer Modeling

(1 SMART Meter only – 1000% reflections)

Meters 1 Electric Meter

Time Avg: 50% % Reflection 1000%

Distance where limits are exceeded		
FCC ft.	2.06	24.7 Inches
BioInitiative ft.	167.00	2004.0 Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	44521.97	10.25	26.49	20.25	6.79	30.25	3.04
0.50	11130.49	10.50	25.24	20.50	6.62	30.50	2.99
0.75	4946.89	10.75	24.08	20.75	6.46	30.75	2.94
1.00	2782.62	11.00	23.00	21.00	6.31	31.00	2.90
1.25	1780.88	11.25	21.99	21.25	6.16	31.25	2.85
1.50	1236.72	11.50	21.04	21.50	6.02	31.50	2.80
1.75	908.61	11.75	20.15	21.75	5.88	31.75	2.76
2.00	695.66	12.00	19.32	22.00	5.75	32.00	2.72
2.25	549.65	12.25	18.54	22.25	5.62	32.25	2.68
2.50	445.22	12.50	17.81	22.50	5.50	32.50	2.63
2.75	367.95	12.75	17.12	22.75	5.38	32.75	2.59
3.00	309.18	13.00	16.47	23.00	5.26	33.00	2.56
3.25	263.44	13.25	15.85	23.25	5.15	33.25	2.52
3.50	227.15	13.50	15.27	23.50	5.04	33.50	2.48
3.75	197.88	13.75	14.72	23.75	4.93	33.75	2.44
4.00	173.91	14.00	14.20	24.00	4.83	34.00	2.41
4.25	154.06	14.25	13.70	24.25	4.73	34.25	2.37
4.50	137.41	14.50	13.23	24.50	4.64	34.50	2.34
4.75	123.33	14.75	12.79	24.75	4.54	34.75	2.30
5.00	111.30	15.00	12.37	25.00	4.45	35.00	2.27
5.25	100.96	15.25	11.97	25.25	4.36	35.25	2.24
5.50	91.99	15.50	11.58	25.50	4.28	35.50	2.21
5.75	84.16	15.75	11.22	25.75	4.20	35.75	2.18
6.00	77.30	16.00	10.87	26.00	4.12	36.00	2.15
6.25	71.24	16.25	10.54	26.25	4.04	36.25	2.12
6.50	65.86	16.50	10.22	26.50	3.96	36.50	2.09
6.75	61.07	16.75	9.92	26.75	3.89	36.75	2.06
7.00	56.79	17.00	9.63	27.00	3.82	37.00	2.03
7.25	52.94	17.25	9.35	27.25	3.75	37.25	2.01
7.50	49.47	17.50	9.09	27.50	3.68	37.50	1.98
7.75	46.33	17.75	8.83	27.75	3.61	37.75	1.95
8.00	43.48	18.00	8.59	28.00	3.55	38.00	1.93
8.25	40.88	18.25	8.35	28.25	3.49	38.25	1.90
8.50	38.51	18.50	8.13	28.50	3.43	38.50	1.88
8.75	36.34	18.75	7.92	28.75	3.37	38.75	1.85
9.00	34.35	19.00	7.71	29.00	3.31	39.00	1.83
9.25	32.52	19.25	7.51	29.25	3.25	39.25	1.81
9.50	30.83	19.50	7.32	29.50	3.20	39.50	1.78
9.75	29.27	19.75	7.13	29.75	3.14	39.75	1.76
10.00	27.83	20.00	6.96	30.00	3.09	40.00	1.74

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 3 – 50%

SMART Meter Power Density Computer Modeling

(1 SMART Meter only – 1000% reflections)

Meters 1 Electric Meter

Time Avg: 50% % Reflection 1000%

Distance where limits are exceeded	
FCC ft. 2.06	24.74 Inches
BioInitiative ft. 167.00	2004.00 Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	1.72	54.25	0.95	68.25	0.60	82.25	0.41
40.50	1.70	54.50	0.94	68.50	0.59	82.50	0.41
40.75	1.68	54.75	0.93	68.75	0.59	82.75	0.41
41.00	1.66	55.00	0.92	69.00	0.58	83.00	0.40
41.25	1.64	55.25	0.91	69.25	0.58	83.25	0.40
41.50	1.62	55.50	0.90	69.50	0.58	83.50	0.40
41.75	1.60	55.75	0.90	69.75	0.57	83.75	0.40
42.00	1.58	56.00	0.89	70.00	0.57	84.00	0.39
42.25	1.56	56.25	0.88	70.25	0.56	84.25	0.39
42.50	1.54	56.50	0.87	70.50	0.56	84.50	0.39
42.75	1.52	56.75	0.86	70.75	0.56	84.75	0.39
43.00	1.50	57.00	0.86	71.00	0.55	85.00	0.39
43.25	1.49	57.25	0.85	71.25	0.55	85.25	0.38
43.50	1.47	57.50	0.84	71.50	0.54	85.50	0.38
43.75	1.45	57.75	0.83	71.75	0.54	85.75	0.38
44.00	1.44	58.00	0.83	72.00	0.54	86.00	0.38
44.25	1.42	58.25	0.82	72.25	0.53	86.25	0.37
44.50	1.41	58.50	0.81	72.50	0.53	86.50	0.37
44.75	1.39	58.75	0.81	72.75	0.53	86.75	0.37
45.00	1.37	59.00	0.80	73.00	0.52	87.00	0.37
45.25	1.36	59.25	0.79	73.25	0.52	87.25	0.37
45.50	1.34	59.50	0.79	73.50	0.52	87.50	0.36
45.75	1.33	59.75	0.78	73.75	0.51	87.75	0.36
46.00	1.32	60.00	0.77	74.00	0.51	88.00	0.36
46.25	1.30	60.25	0.77	74.25	0.50	88.25	0.36
46.50	1.29	60.50	0.76	74.50	0.50	88.50	0.36
46.75	1.27	60.75	0.75	74.75	0.50	88.75	0.35
47.00	1.26	61.00	0.75	75.00	0.49	89.00	0.35
47.25	1.25	61.25	0.74	75.25	0.49	89.25	0.35
47.50	1.23	61.50	0.74	75.50	0.49	89.50	0.35
47.75	1.22	61.75	0.73	75.75	0.48	89.75	0.35
48.00	1.21	62.00	0.72	76.00	0.48	90.00	0.34
48.25	1.20	62.25	0.72	76.25	0.48	90.25	0.34
48.50	1.18	62.50	0.71	76.50	0.48	90.50	0.34
48.75	1.17	62.75	0.71	76.75	0.47	90.75	0.34
49.00	1.16	63.00	0.70	77.00	0.47	91.00	0.34
49.25	1.15	63.25	0.70	77.25	0.47	91.25	0.33
49.50	1.14	63.50	0.69	77.50	0.46	91.50	0.33
49.75	1.12	63.75	0.68	77.75	0.46	91.75	0.33
50.00	1.11	64.00	0.68	78.00	0.46	92.00	0.33
50.25	1.10	64.25	0.67	78.25	0.45	92.25	0.33
50.50	1.09	64.50	0.67	78.50	0.45	92.50	0.33
50.75	1.08	64.75	0.66	78.75	0.45	92.75	0.32
51.00	1.07	65.00	0.66	79.00	0.45	93.00	0.32
51.25	1.06	65.25	0.65	79.25	0.44	93.25	0.32
51.50	1.05	65.50	0.65	79.50	0.44	93.50	0.32
51.75	1.04	65.75	0.64	79.75	0.44	93.75	0.32
52.00	1.03	66.00	0.64	80.00	0.43	94.00	0.31
52.25	1.02	66.25	0.63	80.25	0.43	94.25	0.31
52.50	1.01	66.50	0.63	80.50	0.43	94.50	0.31
52.75	1.00	66.75	0.62	80.75	0.43	94.75	0.31
53.00	0.99	67.00	0.62	81.00	0.42	95.00	0.31
53.25	0.98	67.25	0.62	81.25	0.42	95.25	0.31
53.50	0.97	67.50	0.61	81.50	0.42	95.50	0.31
53.75	0.96	67.75	0.61	81.75	0.42	95.75	0.30
54.00	0.95	68.00	0.60	82.00	0.41	96.00	0.30

Table 3 – 50%

SMART Meter Power Density Computer Modeling

(1 SMART Meter only – 1000% reflections)

Meters 1 Electric Meter

Time Avg: 60% % Reflection 1000%

Distance where limits are exceeded			
FCC ft.	2.26	27.1	Inches
BioInitiative ft.	183.00	2196.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	53426.36	10.25	31.78	20.25	8.14	30.25	3.65
0.50	13356.59	10.50	30.29	20.50	7.95	30.50	3.59
0.75	5936.26	10.75	28.89	20.75	7.76	30.75	3.53
1.00	3339.15	11.00	27.60	21.00	7.57	31.00	3.47
1.25	2137.05	11.25	26.38	21.25	7.39	31.25	3.42
1.50	1484.07	11.50	25.25	21.50	7.22	31.50	3.37
1.75	1090.33	11.75	24.19	21.75	7.06	31.75	3.31
2.00	834.79	12.00	23.19	22.00	6.90	32.00	3.26
2.25	659.58	12.25	22.25	22.25	6.74	32.25	3.21
2.50	534.26	12.50	21.37	22.50	6.60	32.50	3.16
2.75	441.54	12.75	20.54	22.75	6.45	32.75	3.11
3.00	371.02	13.00	19.76	23.00	6.31	33.00	3.07
3.25	316.13	13.25	19.02	23.25	6.18	33.25	3.02
3.50	272.58	13.50	18.32	23.50	6.05	33.50	2.98
3.75	237.45	13.75	17.66	23.75	5.92	33.75	2.93
4.00	208.70	14.00	17.04	24.00	5.80	34.00	2.89
4.25	184.87	14.25	16.44	24.25	5.68	34.25	2.85
4.50	164.90	14.50	15.88	24.50	5.56	34.50	2.81
4.75	148.00	14.75	15.35	24.75	5.45	34.75	2.77
5.00	133.57	15.00	14.84	25.00	5.34	35.00	2.73
5.25	121.15	15.25	14.36	25.25	5.24	35.25	2.69
5.50	110.39	15.50	13.90	25.50	5.14	35.50	2.65
5.75	101.00	15.75	13.46	25.75	5.04	35.75	2.61
6.00	92.75	16.00	13.04	26.00	4.94	36.00	2.58
6.25	85.48	16.25	12.65	26.25	4.85	36.25	2.54
6.50	79.03	16.50	12.27	26.50	4.75	36.50	2.51
6.75	73.29	16.75	11.90	26.75	4.67	36.75	2.47
7.00	68.15	17.00	11.55	27.00	4.58	37.00	2.44
7.25	63.53	17.25	11.22	27.25	4.50	37.25	2.41
7.50	59.36	17.50	10.90	27.50	4.42	37.50	2.37
7.75	55.59	17.75	10.60	27.75	4.34	37.75	2.34
8.00	52.17	18.00	10.31	28.00	4.26	38.00	2.31
8.25	49.06	18.25	10.03	28.25	4.18	38.25	2.28
8.50	46.22	18.50	9.76	28.50	4.11	38.50	2.25
8.75	43.61	18.75	9.50	28.75	4.04	38.75	2.22
9.00	41.22	19.00	9.25	29.00	3.97	39.00	2.20
9.25	39.03	19.25	9.01	29.25	3.90	39.25	2.17
9.50	37.00	19.50	8.78	29.50	3.84	39.50	2.14
9.75	35.13	19.75	8.56	29.75	3.77	39.75	2.11
10.00	33.39	20.00	8.35	30.00	3.71	40.00	2.09

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 3 – 60%

SMART Meter Power Density Computer Modeling

(1 SMART Meter only – 1000% reflections)

Meters 1 Electric Meter

Time Avg: 60% % Reflection 1000%

Distance where limits are exceeded	
FCC ft. 2.26	27.11 Inches
BioInitiative ft. 183.00	2196.00 Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	2.06	54.25	1.13	68.25	0.72	82.25	0.49
40.50	2.04	54.50	1.12	68.50	0.71	82.50	0.49
40.75	2.01	54.75	1.11	68.75	0.71	82.75	0.49
41.00	1.99	55.00	1.10	69.00	0.70	83.00	0.48
41.25	1.96	55.25	1.09	69.25	0.70	83.25	0.48
41.50	1.94	55.50	1.08	69.50	0.69	83.50	0.48
41.75	1.92	55.75	1.07	69.75	0.69	83.75	0.48
42.00	1.89	56.00	1.06	70.00	0.68	84.00	0.47
42.25	1.87	56.25	1.06	70.25	0.68	84.25	0.47
42.50	1.85	56.50	1.05	70.50	0.67	84.50	0.47
42.75	1.83	56.75	1.04	70.75	0.67	84.75	0.46
43.00	1.81	57.00	1.03	71.00	0.66	85.00	0.46
43.25	1.79	57.25	1.02	71.25	0.66	85.25	0.46
43.50	1.76	57.50	1.01	71.50	0.65	85.50	0.46
43.75	1.74	57.75	1.00	71.75	0.65	85.75	0.45
44.00	1.72	58.00	0.99	72.00	0.64	86.00	0.45
44.25	1.71	58.25	0.98	72.25	0.64	86.25	0.45
44.50	1.69	58.50	0.98	72.50	0.64	86.50	0.45
44.75	1.67	58.75	0.97	72.75	0.63	86.75	0.44
45.00	1.65	59.00	0.96	73.00	0.63	87.00	0.44
45.25	1.63	59.25	0.95	73.25	0.62	87.25	0.44
45.50	1.61	59.50	0.94	73.50	0.62	87.50	0.44
45.75	1.60	59.75	0.94	73.75	0.61	87.75	0.43
46.00	1.58	60.00	0.93	74.00	0.61	88.00	0.43
46.25	1.56	60.25	0.92	74.25	0.61	88.25	0.43
46.50	1.54	60.50	0.91	74.50	0.60	88.50	0.43
46.75	1.53	60.75	0.90	74.75	0.60	88.75	0.42
47.00	1.51	61.00	0.90	75.00	0.59	89.00	0.42
47.25	1.50	61.25	0.89	75.25	0.59	89.25	0.42
47.50	1.48	61.50	0.88	75.50	0.59	89.50	0.42
47.75	1.46	61.75	0.88	75.75	0.58	89.75	0.41
48.00	1.45	62.00	0.87	76.00	0.58	90.00	0.41
48.25	1.43	62.25	0.86	76.25	0.57	90.25	0.41
48.50	1.42	62.50	0.85	76.50	0.57	90.50	0.41
48.75	1.41	62.75	0.85	76.75	0.57	90.75	0.41
49.00	1.39	63.00	0.84	77.00	0.56	91.00	0.40
49.25	1.38	63.25	0.83	77.25	0.56	91.25	0.40
49.50	1.36	63.50	0.83	77.50	0.56	91.50	0.40
49.75	1.35	63.75	0.82	77.75	0.55	91.75	0.40
50.00	1.34	64.00	0.82	78.00	0.55	92.00	0.39
50.25	1.32	64.25	0.81	78.25	0.55	92.25	0.39
50.50	1.31	64.50	0.80	78.50	0.54	92.50	0.39
50.75	1.30	64.75	0.80	78.75	0.54	92.75	0.39
51.00	1.28	65.00	0.79	79.00	0.54	93.00	0.39
51.25	1.27	65.25	0.78	79.25	0.53	93.25	0.38
51.50	1.26	65.50	0.78	79.50	0.53	93.50	0.38
51.75	1.25	65.75	0.77	79.75	0.53	93.75	0.38
52.00	1.23	66.00	0.77	80.00	0.52	94.00	0.38
52.25	1.22	66.25	0.76	80.25	0.52	94.25	0.38
52.50	1.21	66.50	0.76	80.50	0.52	94.50	0.37
52.75	1.20	66.75	0.75	80.75	0.51	94.75	0.37
53.00	1.19	67.00	0.74	81.00	0.51	95.00	0.37
53.25	1.18	67.25	0.74	81.25	0.51	95.25	0.37
53.50	1.17	67.50	0.73	81.50	0.50	95.50	0.37
53.75	1.16	67.75	0.73	81.75	0.50	95.75	0.36
54.00	1.15	68.00	0.72	82.00	0.50	96.00	0.36

Table 3 – 60%

SMART Meter Power Density Computer Modeling

(1 SMART Meter only – 1000% reflections)

Meters 1 Electric Meter

Time Avg: 70% % Reflection 1000%

Distance where limits are exceeded			
FCC ft.	2.44	29.3	Inches
BioInitiative ft.	197.00	2364.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	62330.76	10.25	37.08	20.25	9.50	30.25	4.26
0.50	15582.69	10.50	35.33	20.50	9.27	30.50	4.19
0.75	6925.64	10.75	33.71	20.75	9.05	30.75	4.12
1.00	3895.67	11.00	32.20	21.00	8.83	31.00	4.05
1.25	2493.23	11.25	30.78	21.25	8.63	31.25	3.99
1.50	1731.41	11.50	29.46	21.50	8.43	31.50	3.93
1.75	1272.06	11.75	28.22	21.75	8.24	31.75	3.86
2.00	973.92	12.00	27.05	22.00	8.05	32.00	3.80
2.25	769.52	12.25	25.96	22.25	7.87	32.25	3.75
2.50	623.31	12.50	24.93	22.50	7.70	32.50	3.69
2.75	515.13	12.75	23.96	22.75	7.53	32.75	3.63
3.00	432.85	13.00	23.05	23.00	7.36	33.00	3.58
3.25	368.82	13.25	22.19	23.25	7.21	33.25	3.52
3.50	318.01	13.50	21.38	23.50	7.05	33.50	3.47
3.75	277.03	13.75	20.61	23.75	6.91	33.75	3.42
4.00	243.48	14.00	19.88	24.00	6.76	34.00	3.37
4.25	215.68	14.25	19.18	24.25	6.62	34.25	3.32
4.50	192.38	14.50	18.53	24.50	6.49	34.50	3.27
4.75	172.66	14.75	17.91	24.75	6.36	34.75	3.23
5.00	155.83	15.00	17.31	25.00	6.23	35.00	3.18
5.25	141.34	15.25	16.75	25.25	6.11	35.25	3.14
5.50	128.78	15.50	16.22	25.50	5.99	35.50	3.09
5.75	117.83	15.75	15.70	25.75	5.88	35.75	3.05
6.00	108.21	16.00	15.22	26.00	5.76	36.00	3.01
6.25	99.73	16.25	14.75	26.25	5.65	36.25	2.96
6.50	92.21	16.50	14.31	26.50	5.55	36.50	2.92
6.75	85.50	16.75	13.89	26.75	5.44	36.75	2.88
7.00	79.50	17.00	13.48	27.00	5.34	37.00	2.85
7.25	74.12	17.25	13.09	27.25	5.25	37.25	2.81
7.50	69.26	17.50	12.72	27.50	5.15	37.50	2.77
7.75	64.86	17.75	12.36	27.75	5.06	37.75	2.73
8.00	60.87	18.00	12.02	28.00	4.97	38.00	2.70
8.25	57.24	18.25	11.70	28.25	4.88	38.25	2.66
8.50	53.92	18.50	11.38	28.50	4.80	38.50	2.63
8.75	50.88	18.75	11.08	28.75	4.71	38.75	2.59
9.00	48.09	19.00	10.79	29.00	4.63	39.00	2.56
9.25	45.53	19.25	10.51	29.25	4.55	39.25	2.53
9.50	43.17	19.50	10.25	29.50	4.48	39.50	2.50
9.75	40.98	19.75	9.99	29.75	4.40	39.75	2.47
10.00	38.96	20.00	9.74	30.00	4.33	40.00	2.43

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 3 – 70%

SMART Meter Power Density Computer Modeling

(1 SMART Meter only – 1000% reflections)

Meters 1 Electric Meter

Time Avg: 70% % Reflection 1000%

Distance where limits are exceeded	
FCC ft. 2.44	29.28 Inches
BioInitiative ft. 197.00	2364.00 Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	2.40	54.25	1.32	68.25	0.84	82.25	0.58
40.50	2.38	54.50	1.31	68.50	0.83	82.50	0.57
40.75	2.35	54.75	1.30	68.75	0.82	82.75	0.57
41.00	2.32	55.00	1.29	69.00	0.82	83.00	0.57
41.25	2.29	55.25	1.28	69.25	0.81	83.25	0.56
41.50	2.26	55.50	1.26	69.50	0.81	83.50	0.56
41.75	2.23	55.75	1.25	69.75	0.80	83.75	0.56
42.00	2.21	56.00	1.24	70.00	0.80	84.00	0.55
42.25	2.18	56.25	1.23	70.25	0.79	84.25	0.55
42.50	2.16	56.50	1.22	70.50	0.78	84.50	0.55
42.75	2.13	56.75	1.21	70.75	0.78	84.75	0.54
43.00	2.11	57.00	1.20	71.00	0.77	85.00	0.54
43.25	2.08	57.25	1.19	71.25	0.77	85.25	0.54
43.50	2.06	57.50	1.18	71.50	0.76	85.50	0.53
43.75	2.04	57.75	1.17	71.75	0.76	85.75	0.53
44.00	2.01	58.00	1.16	72.00	0.75	86.00	0.53
44.25	1.99	58.25	1.15	72.25	0.75	86.25	0.52
44.50	1.97	58.50	1.14	72.50	0.74	86.50	0.52
44.75	1.95	58.75	1.13	72.75	0.74	86.75	0.52
45.00	1.92	59.00	1.12	73.00	0.73	87.00	0.51
45.25	1.90	59.25	1.11	73.25	0.73	87.25	0.51
45.50	1.88	59.50	1.10	73.50	0.72	87.50	0.51
45.75	1.86	59.75	1.09	73.75	0.72	87.75	0.51
46.00	1.84	60.00	1.08	74.00	0.71	88.00	0.50
46.25	1.82	60.25	1.07	74.25	0.71	88.25	0.50
46.50	1.80	60.50	1.06	74.50	0.70	88.50	0.50
46.75	1.78	60.75	1.06	74.75	0.70	88.75	0.49
47.00	1.76	61.00	1.05	75.00	0.69	89.00	0.49
47.25	1.74	61.25	1.04	75.25	0.69	89.25	0.49
47.50	1.73	61.50	1.03	75.50	0.68	89.50	0.49
47.75	1.71	61.75	1.02	75.75	0.68	89.75	0.48
48.00	1.69	62.00	1.01	76.00	0.67	90.00	0.48
48.25	1.67	62.25	1.01	76.25	0.67	90.25	0.48
48.50	1.66	62.50	1.00	76.50	0.67	90.50	0.48
48.75	1.64	62.75	0.99	76.75	0.66	90.75	0.47
49.00	1.62	63.00	0.98	77.00	0.66	91.00	0.47
49.25	1.61	63.25	0.97	77.25	0.65	91.25	0.47
49.50	1.59	63.50	0.97	77.50	0.65	91.50	0.47
49.75	1.57	63.75	0.96	77.75	0.64	91.75	0.46
50.00	1.56	64.00	0.95	78.00	0.64	92.00	0.46
50.25	1.54	64.25	0.94	78.25	0.64	92.25	0.46
50.50	1.53	64.50	0.94	78.50	0.63	92.50	0.46
50.75	1.51	64.75	0.93	78.75	0.63	92.75	0.45
51.00	1.50	65.00	0.92	79.00	0.62	93.00	0.45
51.25	1.48	65.25	0.92	79.25	0.62	93.25	0.45
51.50	1.47	65.50	0.91	79.50	0.62	93.50	0.45
51.75	1.45	65.75	0.90	79.75	0.61	93.75	0.44
52.00	1.44	66.00	0.89	80.00	0.61	94.00	0.44
52.25	1.43	66.25	0.89	80.25	0.60	94.25	0.44
52.50	1.41	66.50	0.88	80.50	0.60	94.50	0.44
52.75	1.40	66.75	0.87	80.75	0.60	94.75	0.43
53.00	1.39	67.00	0.87	81.00	0.59	95.00	0.43
53.25	1.37	67.25	0.86	81.25	0.59	95.25	0.43
53.50	1.36	67.50	0.86	81.50	0.59	95.50	0.43
53.75	1.35	67.75	0.85	81.75	0.58	95.75	0.42
54.00	1.34	68.00	0.84	82.00	0.58	96.00	0.42

Table 3 – 70%

SMART Meter Power Density Computer Modeling

(1 SMART Meter only – 1000% reflections)

Meters 1 Electric Meter

Time Avg: 80% % Reflection 1000%

Distance where limits are exceeded			
FCC ft.	2.61	31.3	Inches
BioInitiative ft.	210.50	2526.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	71235.15	10.25	42.38	20.25	10.86	30.25	4.87
0.50	17808.79	10.50	40.38	20.50	10.59	30.50	4.79
0.75	7915.02	10.75	38.53	20.75	10.34	30.75	4.71
1.00	4452.20	11.00	36.80	21.00	10.10	31.00	4.63
1.25	2849.41	11.25	35.18	21.25	9.86	31.25	4.56
1.50	1978.75	11.50	33.67	21.50	9.63	31.50	4.49
1.75	1453.78	11.75	32.25	21.75	9.41	31.75	4.42
2.00	1113.05	12.00	30.92	22.00	9.20	32.00	4.35
2.25	879.45	12.25	29.67	22.25	8.99	32.25	4.28
2.50	712.35	12.50	28.49	22.50	8.79	32.50	4.22
2.75	588.72	12.75	27.39	22.75	8.60	32.75	4.15
3.00	494.69	13.00	26.34	23.00	8.42	33.00	4.09
3.25	421.51	13.25	25.36	23.25	8.24	33.25	4.03
3.50	363.44	13.50	24.43	23.50	8.06	33.50	3.97
3.75	316.60	13.75	23.55	23.75	7.89	33.75	3.91
4.00	278.26	14.00	22.72	24.00	7.73	34.00	3.85
4.25	246.49	14.25	21.93	24.25	7.57	34.25	3.80
4.50	219.86	14.50	21.18	24.50	7.42	34.50	3.74
4.75	197.33	14.75	20.46	24.75	7.27	34.75	3.69
5.00	178.09	15.00	19.79	25.00	7.12	35.00	3.63
5.25	161.53	15.25	19.14	25.25	6.98	35.25	3.58
5.50	147.18	15.50	18.53	25.50	6.85	35.50	3.53
5.75	134.66	15.75	17.95	25.75	6.71	35.75	3.48
6.00	123.67	16.00	17.39	26.00	6.59	36.00	3.44
6.25	113.98	16.25	16.86	26.25	6.46	36.25	3.39
6.50	105.38	16.50	16.35	26.50	6.34	36.50	3.34
6.75	97.72	16.75	15.87	26.75	6.22	36.75	3.30
7.00	90.86	17.00	15.41	27.00	6.11	37.00	3.25
7.25	84.70	17.25	14.96	27.25	6.00	37.25	3.21
7.50	79.15	17.50	14.54	27.50	5.89	37.50	3.17
7.75	74.13	17.75	14.13	27.75	5.78	37.75	3.12
8.00	69.57	18.00	13.74	28.00	5.68	38.00	3.08
8.25	65.41	18.25	13.37	28.25	5.58	38.25	3.04
8.50	61.62	18.50	13.01	28.50	5.48	38.50	3.00
8.75	58.15	18.75	12.66	28.75	5.39	38.75	2.97
9.00	54.97	19.00	12.33	29.00	5.29	39.00	2.93
9.25	52.03	19.25	12.01	29.25	5.20	39.25	2.89
9.50	49.33	19.50	11.71	29.50	5.12	39.50	2.85
9.75	46.83	19.75	11.41	29.75	5.03	39.75	2.82
10.00	44.52	20.00	11.13	30.00	4.95	40.00	2.78

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 3 – 80%

SMART Meter Power Density Computer Modeling

(1 SMART Meter only – 1000% reflections)

Meters 1 Electric Meter

Time Avg: 80% % Reflection 1000%

Distance where limits are exceeded			
FCC ft. 2.61		31.30 Inches	
BioInitiative ft. 210.50		2526.00 Inches	

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	2.75	54.25	1.51	68.25	0.96	82.25	0.66
40.50	2.71	54.50	1.50	68.50	0.95	82.50	0.65
40.75	2.68	54.75	1.49	68.75	0.94	82.75	0.65
41.00	2.65	55.00	1.47	69.00	0.94	83.00	0.65
41.25	2.62	55.25	1.46	69.25	0.93	83.25	0.64
41.50	2.59	55.50	1.45	69.50	0.92	83.50	0.64
41.75	2.55	55.75	1.43	69.75	0.92	83.75	0.63
42.00	2.52	56.00	1.42	70.00	0.91	84.00	0.63
42.25	2.49	56.25	1.41	70.25	0.90	84.25	0.63
42.50	2.46	56.50	1.39	70.50	0.90	84.50	0.62
42.75	2.44	56.75	1.38	70.75	0.89	84.75	0.62
43.00	2.41	57.00	1.37	71.00	0.88	85.00	0.62
43.25	2.38	57.25	1.36	71.25	0.88	85.25	0.61
43.50	2.35	57.50	1.35	71.50	0.87	85.50	0.61
43.75	2.33	57.75	1.33	71.75	0.86	85.75	0.61
44.00	2.30	58.00	1.32	72.00	0.86	86.00	0.60
44.25	2.27	58.25	1.31	72.25	0.85	86.25	0.60
44.50	2.25	58.50	1.30	72.50	0.85	86.50	0.60
44.75	2.22	58.75	1.29	72.75	0.84	86.75	0.59
45.00	2.20	59.00	1.28	73.00	0.84	87.00	0.59
45.25	2.17	59.25	1.27	73.25	0.83	87.25	0.58
45.50	2.15	59.50	1.26	73.50	0.82	87.50	0.58
45.75	2.13	59.75	1.25	73.75	0.82	87.75	0.58
46.00	2.10	60.00	1.24	74.00	0.81	88.00	0.57
46.25	2.08	60.25	1.23	74.25	0.81	88.25	0.57
46.50	2.06	60.50	1.22	74.50	0.80	88.50	0.57
46.75	2.04	60.75	1.21	74.75	0.80	88.75	0.57
47.00	2.02	61.00	1.20	75.00	0.79	89.00	0.56
47.25	1.99	61.25	1.19	75.25	0.79	89.25	0.56
47.50	1.97	61.50	1.18	75.50	0.78	89.50	0.56
47.75	1.95	61.75	1.17	75.75	0.78	89.75	0.55
48.00	1.93	62.00	1.16	76.00	0.77	90.00	0.55
48.25	1.91	62.25	1.15	76.25	0.77	90.25	0.55
48.50	1.89	62.50	1.14	76.50	0.76	90.50	0.54
48.75	1.87	62.75	1.13	76.75	0.76	90.75	0.54
49.00	1.85	63.00	1.12	77.00	0.75	91.00	0.54
49.25	1.84	63.25	1.11	77.25	0.75	91.25	0.53
49.50	1.82	63.50	1.10	77.50	0.74	91.50	0.53
49.75	1.80	63.75	1.10	77.75	0.74	91.75	0.53
50.00	1.78	64.00	1.09	78.00	0.73	92.00	0.53
50.25	1.76	64.25	1.08	78.25	0.73	92.25	0.52
50.50	1.75	64.50	1.07	78.50	0.72	92.50	0.52
50.75	1.73	64.75	1.06	78.75	0.72	92.75	0.52
51.00	1.71	65.00	1.05	79.00	0.71	93.00	0.51
51.25	1.70	65.25	1.05	79.25	0.71	93.25	0.51
51.50	1.68	65.50	1.04	79.50	0.70	93.50	0.51
51.75	1.66	65.75	1.03	79.75	0.70	93.75	0.51
52.00	1.65	66.00	1.02	80.00	0.70	94.00	0.50
52.25	1.63	66.25	1.01	80.25	0.69	94.25	0.50
52.50	1.62	66.50	1.01	80.50	0.69	94.50	0.50
52.75	1.60	66.75	1.00	80.75	0.68	94.75	0.50
53.00	1.58	67.00	0.99	81.00	0.68	95.00	0.49
53.25	1.57	67.25	0.98	81.25	0.67	95.25	0.49
53.50	1.56	67.50	0.98	81.50	0.67	95.50	0.49
53.75	1.54	67.75	0.97	81.75	0.67	95.75	0.49
54.00	1.53	68.00	0.96	82.00	0.66	96.00	0.48

Table 3 – 80%

SMART Meter Power Density Computer Modeling

(1 SMART Meter only – 1000% reflections)

Meters 1 Electric Meter

Time Avg: 90% % Reflection 1000%

Distance where limits are exceeded			
FCC ft.	2.77	33.2	Inches
BioInitiative ft.	224.00	2688.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	80139.54	10.25	47.67	20.25	12.21	30.25	5.47
0.50	20034.89	10.50	45.43	20.50	11.92	30.50	5.38
0.75	8904.39	10.75	43.34	20.75	11.63	30.75	5.30
1.00	5008.72	11.00	41.39	21.00	11.36	31.00	5.21
1.25	3205.58	11.25	39.58	21.25	11.09	31.25	5.13
1.50	2226.10	11.50	37.87	21.50	10.84	31.50	5.05
1.75	1635.50	11.75	36.28	21.75	10.59	31.75	4.97
2.00	1252.18	12.00	34.78	22.00	10.35	32.00	4.89
2.25	989.38	12.25	33.38	22.25	10.12	32.25	4.82
2.50	801.40	12.50	32.06	22.50	9.89	32.50	4.74
2.75	662.31	12.75	30.81	22.75	9.68	32.75	4.67
3.00	556.52	13.00	29.64	23.00	9.47	33.00	4.60
3.25	474.20	13.25	28.53	23.25	9.27	33.25	4.53
3.50	408.88	13.50	27.48	23.50	9.07	33.50	4.46
3.75	356.18	13.75	26.49	23.75	8.88	33.75	4.40
4.00	313.05	14.00	25.55	24.00	8.70	34.00	4.33
4.25	277.30	14.25	24.67	24.25	8.52	34.25	4.27
4.50	247.34	14.50	23.82	24.50	8.34	34.50	4.21
4.75	221.99	14.75	23.02	24.75	8.18	34.75	4.15
5.00	200.35	15.00	22.26	25.00	8.01	35.00	4.09
5.25	181.72	15.25	21.54	25.25	7.86	35.25	4.03
5.50	165.58	15.50	20.85	25.50	7.70	35.50	3.97
5.75	151.49	15.75	20.19	25.75	7.55	35.75	3.92
6.00	139.13	16.00	19.57	26.00	7.41	36.00	3.86
6.25	128.22	16.25	18.97	26.25	7.27	36.25	3.81
6.50	118.55	16.50	18.40	26.50	7.13	36.50	3.76
6.75	109.93	16.75	17.85	26.75	7.00	36.75	3.71
7.00	102.22	17.00	17.33	27.00	6.87	37.00	3.66
7.25	95.29	17.25	16.83	27.25	6.75	37.25	3.61
7.50	89.04	17.50	16.36	27.50	6.62	37.50	3.56
7.75	83.39	17.75	15.90	27.75	6.50	37.75	3.51
8.00	78.26	18.00	15.46	28.00	6.39	38.00	3.47
8.25	73.59	18.25	15.04	28.25	6.28	38.25	3.42
8.50	69.32	18.50	14.63	28.50	6.17	38.50	3.38
8.75	65.42	18.75	14.25	28.75	6.06	38.75	3.34
9.00	61.84	19.00	13.87	29.00	5.96	39.00	3.29
9.25	58.54	19.25	13.52	29.25	5.85	39.25	3.25
9.50	55.50	19.50	13.17	29.50	5.76	39.50	3.21
9.75	52.69	19.75	12.84	29.75	5.66	39.75	3.17
10.00	50.09	20.00	12.52	30.00	5.57	40.00	3.13

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 3 – 90%

SMART Meter Power Density Computer Modeling

(1 SMART Meter only – 1000% reflections)

Meters 1 Electric Meter

Time Avg: 90% % Reflection 1000%

Distance where limits are exceeded			
FCC ft. 2.77		33.20 Inches	
BioInitiative ft. 224.00		2688.00 Inches	

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	3.09	54.25	1.70	68.25	1.08	82.25	0.74
40.50	3.05	54.50	1.69	68.50	1.07	82.50	0.74
40.75	3.02	54.75	1.67	68.75	1.06	82.75	0.73
41.00	2.98	55.00	1.66	69.00	1.05	83.00	0.73
41.25	2.94	55.25	1.64	69.25	1.04	83.25	0.72
41.50	2.91	55.50	1.63	69.50	1.04	83.50	0.72
41.75	2.87	55.75	1.61	69.75	1.03	83.75	0.71
42.00	2.84	56.00	1.60	70.00	1.02	84.00	0.71
42.25	2.81	56.25	1.58	70.25	1.01	84.25	0.71
42.50	2.77	56.50	1.57	70.50	1.01	84.50	0.70
42.75	2.74	56.75	1.56	70.75	1.00	84.75	0.70
43.00	2.71	57.00	1.54	71.00	0.99	85.00	0.69
43.25	2.68	57.25	1.53	71.25	0.99	85.25	0.69
43.50	2.65	57.50	1.51	71.50	0.98	85.50	0.69
43.75	2.62	57.75	1.50	71.75	0.97	85.75	0.68
44.00	2.59	58.00	1.49	72.00	0.97	86.00	0.68
44.25	2.56	58.25	1.48	72.25	0.96	86.25	0.67
44.50	2.53	58.50	1.46	72.50	0.95	86.50	0.67
44.75	2.50	58.75	1.45	72.75	0.95	86.75	0.67
45.00	2.47	59.00	1.44	73.00	0.94	87.00	0.66
45.25	2.45	59.25	1.43	73.25	0.93	87.25	0.66
45.50	2.42	59.50	1.41	73.50	0.93	87.50	0.65
45.75	2.39	59.75	1.40	73.75	0.92	87.75	0.65
46.00	2.37	60.00	1.39	74.00	0.91	88.00	0.65
46.25	2.34	60.25	1.38	74.25	0.91	88.25	0.64
46.50	2.32	60.50	1.37	74.50	0.90	88.50	0.64
46.75	2.29	60.75	1.36	74.75	0.90	88.75	0.64
47.00	2.27	61.00	1.35	75.00	0.89	89.00	0.63
47.25	2.24	61.25	1.34	75.25	0.88	89.25	0.63
47.50	2.22	61.50	1.32	75.50	0.88	89.50	0.63
47.75	2.20	61.75	1.31	75.75	0.87	89.75	0.62
48.00	2.17	62.00	1.30	76.00	0.87	90.00	0.62
48.25	2.15	62.25	1.29	76.25	0.86	90.25	0.61
48.50	2.13	62.50	1.28	76.50	0.86	90.50	0.61
48.75	2.11	62.75	1.27	76.75	0.85	90.75	0.61
49.00	2.09	63.00	1.26	77.00	0.84	91.00	0.60
49.25	2.06	63.25	1.25	77.25	0.84	91.25	0.60
49.50	2.04	63.50	1.24	77.50	0.83	91.50	0.60
49.75	2.02	63.75	1.23	77.75	0.83	91.75	0.59
50.00	2.00	64.00	1.22	78.00	0.82	92.00	0.59
50.25	1.98	64.25	1.21	78.25	0.82	92.25	0.59
50.50	1.96	64.50	1.20	78.50	0.81	92.50	0.59
50.75	1.94	64.75	1.19	78.75	0.81	92.75	0.58
51.00	1.93	65.00	1.19	79.00	0.80	93.00	0.58
51.25	1.91	65.25	1.18	79.25	0.80	93.25	0.58
51.50	1.89	65.50	1.17	79.50	0.79	93.50	0.57
51.75	1.87	65.75	1.16	79.75	0.79	93.75	0.57
52.00	1.85	66.00	1.15	80.00	0.78	94.00	0.57
52.25	1.83	66.25	1.14	80.25	0.78	94.25	0.56
52.50	1.82	66.50	1.13	80.50	0.77	94.50	0.56
52.75	1.80	66.75	1.12	80.75	0.77	94.75	0.56
53.00	1.78	67.00	1.12	81.00	0.76	95.00	0.55
53.25	1.77	67.25	1.11	81.25	0.76	95.25	0.55
53.50	1.75	67.50	1.10	81.50	0.75	95.50	0.55
53.75	1.73	67.75	1.09	81.75	0.75	95.75	0.55
54.00	1.72	68.00	1.08	82.00	0.74	96.00	0.54

Table 3 – 90%

SMART Meter Power Density Computer Modeling

(1 SMART Meter only – 2000% reflections)

Meters 1 Electric Meter

Time Avg: 1% % Reflection 2000%

Distance where limits are exceeded			
FCC ft.	0.56	6.7	Inches
BioInitiative ft.	45.00	540.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	3245.32	10.25	1.93	20.25	0.49	30.25	0.22
0.50	811.33	10.50	1.84	20.50	0.48	30.50	0.22
0.75	360.59	10.75	1.76	20.75	0.47	30.75	0.21
1.00	202.83	11.00	1.68	21.00	0.46	31.00	0.21
1.25	129.81	11.25	1.60	21.25	0.45	31.25	0.21
1.50	90.15	11.50	1.53	21.50	0.44	31.50	0.20
1.75	66.23	11.75	1.47	21.75	0.43	31.75	0.20
2.00	50.71	12.00	1.41	22.00	0.42	32.00	0.20
2.25	40.07	12.25	1.35	22.25	0.41	32.25	0.20
2.50	32.45	12.50	1.30	22.50	0.40	32.50	0.19
2.75	26.82	12.75	1.25	22.75	0.39	32.75	0.19
3.00	22.54	13.00	1.20	23.00	0.38	33.00	0.19
3.25	19.20	13.25	1.16	23.25	0.38	33.25	0.18
3.50	16.56	13.50	1.11	23.50	0.37	33.50	0.18
3.75	14.42	13.75	1.07	23.75	0.36	33.75	0.18
4.00	12.68	14.00	1.03	24.00	0.35	34.00	0.18
4.25	11.23	14.25	1.00	24.25	0.34	34.25	0.17
4.50	10.02	14.50	0.96	24.50	0.34	34.50	0.17
4.75	8.99	14.75	0.93	24.75	0.33	34.75	0.17
5.00	8.11	15.00	0.90	25.00	0.32	35.00	0.17
5.25	7.36	15.25	0.87	25.25	0.32	35.25	0.16
5.50	6.71	15.50	0.84	25.50	0.31	35.50	0.16
5.75	6.13	15.75	0.82	25.75	0.31	35.75	0.16
6.00	5.63	16.00	0.79	26.00	0.30	36.00	0.16
6.25	5.19	16.25	0.77	26.25	0.29	36.25	0.15
6.50	4.80	16.50	0.75	26.50	0.29	36.50	0.15
6.75	4.45	16.75	0.72	26.75	0.28	36.75	0.15
7.00	4.14	17.00	0.70	27.00	0.28	37.00	0.15
7.25	3.86	17.25	0.68	27.25	0.27	37.25	0.15
7.50	3.61	17.50	0.66	27.50	0.27	37.50	0.14
7.75	3.38	17.75	0.64	27.75	0.26	37.75	0.14
8.00	3.17	18.00	0.63	28.00	0.26	38.00	0.14
8.25	2.98	18.25	0.61	28.25	0.25	38.25	0.14
8.50	2.81	18.50	0.59	28.50	0.25	38.50	0.14
8.75	2.65	18.75	0.58	28.75	0.25	38.75	0.14
9.00	2.50	19.00	0.56	29.00	0.24	39.00	0.13
9.25	2.37	19.25	0.55	29.25	0.24	39.25	0.13
9.50	2.25	19.50	0.53	29.50	0.23	39.50	0.13
9.75	2.13	19.75	0.52	29.75	0.23	39.75	0.13
10.00	2.03	20.00	0.51	30.00	0.23	40.00	0.13

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 4 – 1%

SMART Meter Power Density Computer Modeling

(1 SMART Meter only – 2000% reflections)

Meters 1 Electric Meter

Time Avg: 1% % Reflection 2000%

Distance where limits are exceeded			
FCC ft. 0.56		6.68 Inches	
BioInitiative ft. 45.00		540.00 Inches	

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.13	54.25	0.07	68.25	0.04	82.25	0.03
40.50	0.12	54.50	0.07	68.50	0.04	82.50	0.03
40.75	0.12	54.75	0.07	68.75	0.04	82.75	0.03
41.00	0.12	55.00	0.07	69.00	0.04	83.00	0.03
41.25	0.12	55.25	0.07	69.25	0.04	83.25	0.03
41.50	0.12	55.50	0.07	69.50	0.04	83.50	0.03
41.75	0.12	55.75	0.07	69.75	0.04	83.75	0.03
42.00	0.11	56.00	0.06	70.00	0.04	84.00	0.03
42.25	0.11	56.25	0.06	70.25	0.04	84.25	0.03
42.50	0.11	56.50	0.06	70.50	0.04	84.50	0.03
42.75	0.11	56.75	0.06	70.75	0.04	84.75	0.03
43.00	0.11	57.00	0.06	71.00	0.04	85.00	0.03
43.25	0.11	57.25	0.06	71.25	0.04	85.25	0.03
43.50	0.11	57.50	0.06	71.50	0.04	85.50	0.03
43.75	0.11	57.75	0.06	71.75	0.04	85.75	0.03
44.00	0.10	58.00	0.06	72.00	0.04	86.00	0.03
44.25	0.10	58.25	0.06	72.25	0.04	86.25	0.03
44.50	0.10	58.50	0.06	72.50	0.04	86.50	0.03
44.75	0.10	58.75	0.06	72.75	0.04	86.75	0.03
45.00	0.10	59.00	0.06	73.00	0.04	87.00	0.03
45.25	0.10	59.25	0.06	73.25	0.04	87.25	0.03
45.50	0.10	59.50	0.06	73.50	0.04	87.50	0.03
45.75	0.10	59.75	0.06	73.75	0.04	87.75	0.03
46.00	0.10	60.00	0.06	74.00	0.04	88.00	0.03
46.25	0.09	60.25	0.06	74.25	0.04	88.25	0.03
46.50	0.09	60.50	0.06	74.50	0.04	88.50	0.03
46.75	0.09	60.75	0.05	74.75	0.04	88.75	0.03
47.00	0.09	61.00	0.05	75.00	0.04	89.00	0.03
47.25	0.09	61.25	0.05	75.25	0.04	89.25	0.03
47.50	0.09	61.50	0.05	75.50	0.04	89.50	0.03
47.75	0.09	61.75	0.05	75.75	0.04	89.75	0.03
48.00	0.09	62.00	0.05	76.00	0.04	90.00	0.03
48.25	0.09	62.25	0.05	76.25	0.03	90.25	0.02
48.50	0.09	62.50	0.05	76.50	0.03	90.50	0.02
48.75	0.09	62.75	0.05	76.75	0.03	90.75	0.02
49.00	0.08	63.00	0.05	77.00	0.03	91.00	0.02
49.25	0.08	63.25	0.05	77.25	0.03	91.25	0.02
49.50	0.08	63.50	0.05	77.50	0.03	91.50	0.02
49.75	0.08	63.75	0.05	77.75	0.03	91.75	0.02
50.00	0.08	64.00	0.05	78.00	0.03	92.00	0.02
50.25	0.08	64.25	0.05	78.25	0.03	92.25	0.02
50.50	0.08	64.50	0.05	78.50	0.03	92.50	0.02
50.75	0.08	64.75	0.05	78.75	0.03	92.75	0.02
51.00	0.08	65.00	0.05	79.00	0.03	93.00	0.02
51.25	0.08	65.25	0.05	79.25	0.03	93.25	0.02
51.50	0.08	65.50	0.05	79.50	0.03	93.50	0.02
51.75	0.08	65.75	0.05	79.75	0.03	93.75	0.02
52.00	0.08	66.00	0.05	80.00	0.03	94.00	0.02
52.25	0.07	66.25	0.05	80.25	0.03	94.25	0.02
52.50	0.07	66.50	0.05	80.50	0.03	94.50	0.02
52.75	0.07	66.75	0.05	80.75	0.03	94.75	0.02
53.00	0.07	67.00	0.05	81.00	0.03	95.00	0.02
53.25	0.07	67.25	0.04	81.25	0.03	95.25	0.02
53.50	0.07	67.50	0.04	81.50	0.03	95.50	0.02
53.75	0.07	67.75	0.04	81.75	0.03	95.75	0.02
54.00	0.07	68.00	0.04	82.00	0.03	96.00	0.02

Table 4 – 1%

SMART Meter Power Density Computer Modeling

(1 SMART Meter only – 2000% reflections)

Meters 1 Electric Meter

Time Avg: 10% % Reflection 2000%

Distance where limits are exceeded		
FCC ft.	1.76	21.1 Inches
BioInitiative ft.	142.50	1710.0 Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	32453.20	10.25	19.31	20.25	4.95	30.25	2.22
0.50	8113.30	10.50	18.40	20.50	4.83	30.50	2.18
0.75	3605.91	10.75	17.55	20.75	4.71	30.75	2.15
1.00	2028.33	11.00	16.76	21.00	4.60	31.00	2.11
1.25	1298.13	11.25	16.03	21.25	4.49	31.25	2.08
1.50	901.48	11.50	15.34	21.50	4.39	31.50	2.04
1.75	662.31	11.75	14.69	21.75	4.29	31.75	2.01
2.00	507.08	12.00	14.09	22.00	4.19	32.00	1.98
2.25	400.66	12.25	13.52	22.25	4.10	32.25	1.95
2.50	324.53	12.50	12.98	22.50	4.01	32.50	1.92
2.75	268.21	12.75	12.48	22.75	3.92	32.75	1.89
3.00	225.37	13.00	12.00	23.00	3.83	33.00	1.86
3.25	192.03	13.25	11.55	23.25	3.75	33.25	1.83
3.50	165.58	13.50	11.13	23.50	3.67	33.50	1.81
3.75	144.24	13.75	10.73	23.75	3.60	33.75	1.78
4.00	126.77	14.00	10.35	24.00	3.52	34.00	1.75
4.25	112.29	14.25	9.99	24.25	3.45	34.25	1.73
4.50	100.16	14.50	9.65	24.50	3.38	34.50	1.70
4.75	89.90	14.75	9.32	24.75	3.31	34.75	1.68
5.00	81.13	15.00	9.01	25.00	3.25	35.00	1.66
5.25	73.59	15.25	8.72	25.25	3.18	35.25	1.63
5.50	67.05	15.50	8.44	25.50	3.12	35.50	1.61
5.75	61.35	15.75	8.18	25.75	3.06	35.75	1.59
6.00	56.34	16.00	7.92	26.00	3.00	36.00	1.57
6.25	51.93	16.25	7.68	26.25	2.94	36.25	1.54
6.50	48.01	16.50	7.45	26.50	2.89	36.50	1.52
6.75	44.52	16.75	7.23	26.75	2.83	36.75	1.50
7.00	41.39	17.00	7.02	27.00	2.78	37.00	1.48
7.25	38.59	17.25	6.82	27.25	2.73	37.25	1.46
7.50	36.06	17.50	6.62	27.50	2.68	37.50	1.44
7.75	33.77	17.75	6.44	27.75	2.63	37.75	1.42
8.00	31.69	18.00	6.26	28.00	2.59	38.00	1.40
8.25	29.80	18.25	6.09	28.25	2.54	38.25	1.39
8.50	28.07	18.50	5.93	28.50	2.50	38.50	1.37
8.75	26.49	18.75	5.77	28.75	2.45	38.75	1.35
9.00	25.04	19.00	5.62	29.00	2.41	39.00	1.33
9.25	23.71	19.25	5.47	29.25	2.37	39.25	1.32
9.50	22.47	19.50	5.33	29.50	2.33	39.50	1.30
9.75	21.34	19.75	5.20	29.75	2.29	39.75	1.28
10.00	20.28	20.00	5.07	30.00	2.25	40.00	1.27

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 4 – 10%

SMART Meter Power Density Computer Modeling

(1 SMART Meter only – 2000% reflections)

Meters 1 Electric Meter

Time Avg: 10% % Reflection 2000%

Distance where limits are exceeded	
FCC ft. 1.76	21.13 Inches
BioInitiative ft. 142.50	1710.00 Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	1.25	54.25	0.69	68.25	0.44	82.25	0.30
40.50	1.24	54.50	0.68	68.50	0.43	82.50	0.30
40.75	1.22	54.75	0.68	68.75	0.43	82.75	0.30
41.00	1.21	55.00	0.67	69.00	0.43	83.00	0.29
41.25	1.19	55.25	0.66	69.25	0.42	83.25	0.29
41.50	1.18	55.50	0.66	69.50	0.42	83.50	0.29
41.75	1.16	55.75	0.65	69.75	0.42	83.75	0.29
42.00	1.15	56.00	0.65	70.00	0.41	84.00	0.29
42.25	1.14	56.25	0.64	70.25	0.41	84.25	0.29
42.50	1.12	56.50	0.64	70.50	0.41	84.50	0.28
42.75	1.11	56.75	0.63	70.75	0.41	84.75	0.28
43.00	1.10	57.00	0.62	71.00	0.40	85.00	0.28
43.25	1.08	57.25	0.62	71.25	0.40	85.25	0.28
43.50	1.07	57.50	0.61	71.50	0.40	85.50	0.28
43.75	1.06	57.75	0.61	71.75	0.39	85.75	0.28
44.00	1.05	58.00	0.60	72.00	0.39	86.00	0.27
44.25	1.04	58.25	0.60	72.25	0.39	86.25	0.27
44.50	1.02	58.50	0.59	72.50	0.39	86.50	0.27
44.75	1.01	58.75	0.59	72.75	0.38	86.75	0.27
45.00	1.00	59.00	0.58	73.00	0.38	87.00	0.27
45.25	0.99	59.25	0.58	73.25	0.38	87.25	0.27
45.50	0.98	59.50	0.57	73.50	0.38	87.50	0.26
45.75	0.97	59.75	0.57	73.75	0.37	87.75	0.26
46.00	0.96	60.00	0.56	74.00	0.37	88.00	0.26
46.25	0.95	60.25	0.56	74.25	0.37	88.25	0.26
46.50	0.94	60.50	0.55	74.50	0.37	88.50	0.26
46.75	0.93	60.75	0.55	74.75	0.36	88.75	0.26
47.00	0.92	61.00	0.55	75.00	0.36	89.00	0.26
47.25	0.91	61.25	0.54	75.25	0.36	89.25	0.25
47.50	0.90	61.50	0.54	75.50	0.36	89.50	0.25
47.75	0.89	61.75	0.53	75.75	0.35	89.75	0.25
48.00	0.88	62.00	0.53	76.00	0.35	90.00	0.25
48.25	0.87	62.25	0.52	76.25	0.35	90.25	0.25
48.50	0.86	62.50	0.52	76.50	0.35	90.50	0.25
48.75	0.85	62.75	0.52	76.75	0.34	90.75	0.25
49.00	0.84	63.00	0.51	77.00	0.34	91.00	0.24
49.25	0.84	63.25	0.51	77.25	0.34	91.25	0.24
49.50	0.83	63.50	0.50	77.50	0.34	91.50	0.24
49.75	0.82	63.75	0.50	77.75	0.34	91.75	0.24
50.00	0.81	64.00	0.50	78.00	0.33	92.00	0.24
50.25	0.80	64.25	0.49	78.25	0.33	92.25	0.24
50.50	0.80	64.50	0.49	78.50	0.33	92.50	0.24
50.75	0.79	64.75	0.48	78.75	0.33	92.75	0.24
51.00	0.78	65.00	0.48	79.00	0.33	93.00	0.23
51.25	0.77	65.25	0.48	79.25	0.32	93.25	0.23
51.50	0.76	65.50	0.47	79.50	0.32	93.50	0.23
51.75	0.76	65.75	0.47	79.75	0.32	93.75	0.23
52.00	0.75	66.00	0.47	80.00	0.32	94.00	0.23
52.25	0.74	66.25	0.46	80.25	0.31	94.25	0.23
52.50	0.74	66.50	0.46	80.50	0.31	94.50	0.23
52.75	0.73	66.75	0.46	80.75	0.31	94.75	0.23
53.00	0.72	67.00	0.45	81.00	0.31	95.00	0.22
53.25	0.72	67.25	0.45	81.25	0.31	95.25	0.22
53.50	0.71	67.50	0.45	81.50	0.31	95.50	0.22
53.75	0.70	67.75	0.44	81.75	0.30	95.75	0.22
54.00	0.70	68.00	0.44	82.00	0.30	96.00	0.22

Table 4 – 10%

SMART Meter Power Density Computer Modeling

(1 SMART Meter only – 2000% reflections)

Meters 1 Electric Meter

Time Avg: 20% % Reflection 2000%

Distance where limits are exceeded		
FCC ft.	2.49	29.9 Inches
BioInitiative ft.	201.00	2412.0 Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	64906.41	10.25	38.61	20.25	9.89	30.25	4.43
0.50	16226.60	10.50	36.80	20.50	9.65	30.50	4.36
0.75	7211.82	10.75	35.10	20.75	9.42	30.75	4.29
1.00	4056.65	11.00	33.53	21.00	9.20	31.00	4.22
1.25	2596.26	11.25	32.05	21.25	8.98	31.25	4.15
1.50	1802.96	11.50	30.67	21.50	8.78	31.50	4.09
1.75	1324.62	11.75	29.38	21.75	8.58	31.75	4.02
2.00	1014.16	12.00	28.17	22.00	8.38	32.00	3.96
2.25	801.31	12.25	27.03	22.25	8.19	32.25	3.90
2.50	649.06	12.50	25.96	22.50	8.01	32.50	3.84
2.75	536.42	12.75	24.95	22.75	7.84	32.75	3.78
3.00	450.74	13.00	24.00	23.00	7.67	33.00	3.73
3.25	384.06	13.25	23.11	23.25	7.50	33.25	3.67
3.50	331.16	13.50	22.26	23.50	7.35	33.50	3.61
3.75	288.47	13.75	21.46	23.75	7.19	33.75	3.56
4.00	253.54	14.00	20.70	24.00	7.04	34.00	3.51
4.25	224.59	14.25	19.98	24.25	6.90	34.25	3.46
4.50	200.33	14.50	19.29	24.50	6.76	34.50	3.41
4.75	179.80	14.75	18.65	24.75	6.62	34.75	3.36
5.00	162.27	15.00	18.03	25.00	6.49	35.00	3.31
5.25	147.18	15.25	17.44	25.25	6.36	35.25	3.26
5.50	134.10	15.50	16.89	25.50	6.24	35.50	3.22
5.75	122.70	15.75	16.35	25.75	6.12	35.75	3.17
6.00	112.68	16.00	15.85	26.00	6.00	36.00	3.13
6.25	103.85	16.25	15.36	26.25	5.89	36.25	3.09
6.50	96.02	16.50	14.90	26.50	5.78	36.50	3.04
6.75	89.03	16.75	14.46	26.75	5.67	36.75	3.00
7.00	82.79	17.00	14.04	27.00	5.56	37.00	2.96
7.25	77.18	17.25	13.63	27.25	5.46	37.25	2.92
7.50	72.12	17.50	13.25	27.50	5.36	37.50	2.88
7.75	67.54	17.75	12.88	27.75	5.27	37.75	2.85
8.00	63.39	18.00	12.52	28.00	5.17	38.00	2.81
8.25	59.60	18.25	12.18	28.25	5.08	38.25	2.77
8.50	56.15	18.50	11.85	28.50	4.99	38.50	2.74
8.75	52.98	18.75	11.54	28.75	4.91	38.75	2.70
9.00	50.08	19.00	11.24	29.00	4.82	39.00	2.67
9.25	47.41	19.25	10.95	29.25	4.74	39.25	2.63
9.50	44.95	19.50	10.67	29.50	4.66	39.50	2.60
9.75	42.67	19.75	10.40	29.75	4.58	39.75	2.57
10.00	40.57	20.00	10.14	30.00	4.51	40.00	2.54

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 4 – 20%

SMART Meter Power Density Computer Modeling

(1 SMART Meter only – 2000% reflections)

Meters 1 Electric Meter

Time Avg: 20% % Reflection 2000%

Distance where limits are exceeded			
FCC ft. 2.49		29.88 Inches	
BioInitiative ft. 201.00		2412.00 Inches	

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	2.50	54.25	1.38	68.25	0.87	82.25	0.60
40.50	2.47	54.50	1.37	68.50	0.86	82.50	0.60
40.75	2.44	54.75	1.35	68.75	0.86	82.75	0.59
41.00	2.41	55.00	1.34	69.00	0.85	83.00	0.59
41.25	2.38	55.25	1.33	69.25	0.85	83.25	0.59
41.50	2.36	55.50	1.32	69.50	0.84	83.50	0.58
41.75	2.33	55.75	1.31	69.75	0.83	83.75	0.58
42.00	2.30	56.00	1.29	70.00	0.83	84.00	0.57
42.25	2.27	56.25	1.28	70.25	0.82	84.25	0.57
42.50	2.25	56.50	1.27	70.50	0.82	84.50	0.57
42.75	2.22	56.75	1.26	70.75	0.81	84.75	0.56
43.00	2.19	57.00	1.25	71.00	0.80	85.00	0.56
43.25	2.17	57.25	1.24	71.25	0.80	85.25	0.56
43.50	2.14	57.50	1.23	71.50	0.79	85.50	0.55
43.75	2.12	57.75	1.22	71.75	0.79	85.75	0.55
44.00	2.10	58.00	1.21	72.00	0.78	86.00	0.55
44.25	2.07	58.25	1.20	72.25	0.78	86.25	0.55
44.50	2.05	58.50	1.19	72.50	0.77	86.50	0.54
44.75	2.03	58.75	1.18	72.75	0.77	86.75	0.54
45.00	2.00	59.00	1.17	73.00	0.76	87.00	0.54
45.25	1.98	59.25	1.16	73.25	0.76	87.25	0.53
45.50	1.96	59.50	1.15	73.50	0.75	87.50	0.53
45.75	1.94	59.75	1.14	73.75	0.75	87.75	0.53
46.00	1.92	60.00	1.13	74.00	0.74	88.00	0.52
46.25	1.90	60.25	1.12	74.25	0.74	88.25	0.52
46.50	1.88	60.50	1.11	74.50	0.73	88.50	0.52
46.75	1.86	60.75	1.10	74.75	0.73	88.75	0.52
47.00	1.84	61.00	1.09	75.00	0.72	89.00	0.51
47.25	1.82	61.25	1.08	75.25	0.72	89.25	0.51
47.50	1.80	61.50	1.07	75.50	0.71	89.50	0.51
47.75	1.78	61.75	1.06	75.75	0.71	89.75	0.50
48.00	1.76	62.00	1.06	76.00	0.70	90.00	0.50
48.25	1.74	62.25	1.05	76.25	0.70	90.25	0.50
48.50	1.72	62.50	1.04	76.50	0.69	90.50	0.50
48.75	1.71	62.75	1.03	76.75	0.69	90.75	0.49
49.00	1.69	63.00	1.02	77.00	0.68	91.00	0.49
49.25	1.67	63.25	1.01	77.25	0.68	91.25	0.49
49.50	1.66	63.50	1.01	77.50	0.68	91.50	0.48
49.75	1.64	63.75	1.00	77.75	0.67	91.75	0.48
50.00	1.62	64.00	0.99	78.00	0.67	92.00	0.48
50.25	1.61	64.25	0.98	78.25	0.66	92.25	0.48
50.50	1.59	64.50	0.98	78.50	0.66	92.50	0.47
50.75	1.58	64.75	0.97	78.75	0.65	92.75	0.47
51.00	1.56	65.00	0.96	79.00	0.65	93.00	0.47
51.25	1.54	65.25	0.95	79.25	0.65	93.25	0.47
51.50	1.53	65.50	0.95	79.50	0.64	93.50	0.46
51.75	1.51	65.75	0.94	79.75	0.64	93.75	0.46
52.00	1.50	66.00	0.93	80.00	0.63	94.00	0.46
52.25	1.49	66.25	0.92	80.25	0.63	94.25	0.46
52.50	1.47	66.50	0.92	80.50	0.63	94.50	0.45
52.75	1.46	66.75	0.91	80.75	0.62	94.75	0.45
53.00	1.44	67.00	0.90	81.00	0.62	95.00	0.45
53.25	1.43	67.25	0.90	81.25	0.61	95.25	0.45
53.50	1.42	67.50	0.89	81.50	0.61	95.50	0.44
53.75	1.40	67.75	0.88	81.75	0.61	95.75	0.44
54.00	1.39	68.00	0.88	82.00	0.60	96.00	0.44

Table 4 – 20%

SMART Meter Power Density Computer Modeling

(1 SMART Meter only – 2000% reflections)

Meters 1 Electric Meter

Time Avg: 30% % Reflection 2000%

Distance where limits are exceeded			
FCC ft.	3.05	36.6	Inches
BioInitiative ft.	247.00	2964.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	97359.61	10.25	57.92	20.25	14.84	30.25	6.65
0.50	24339.90	10.50	55.19	20.50	14.48	30.50	6.54
0.75	10817.73	10.75	52.66	20.75	14.13	30.75	6.44
1.00	6084.98	11.00	50.29	21.00	13.80	31.00	6.33
1.25	3894.38	11.25	48.08	21.25	13.48	31.25	6.23
1.50	2704.43	11.50	46.01	21.50	13.16	31.50	6.13
1.75	1986.93	11.75	44.07	21.75	12.86	31.75	6.04
2.00	1521.24	12.00	42.26	22.00	12.57	32.00	5.94
2.25	1201.97	12.25	40.55	22.25	12.29	32.25	5.85
2.50	973.60	12.50	38.94	22.50	12.02	32.50	5.76
2.75	804.62	12.75	37.43	22.75	11.76	32.75	5.67
3.00	676.11	13.00	36.01	23.00	11.50	33.00	5.59
3.25	576.09	13.25	34.66	23.25	11.26	33.25	5.50
3.50	496.73	13.50	33.39	23.50	11.02	33.50	5.42
3.75	432.71	13.75	32.18	23.75	10.79	33.75	5.34
4.00	380.31	14.00	31.05	24.00	10.56	34.00	5.26
4.25	336.88	14.25	29.97	24.25	10.35	34.25	5.19
4.50	300.49	14.50	28.94	24.50	10.14	34.50	5.11
4.75	269.69	14.75	27.97	24.75	9.93	34.75	5.04
5.00	243.40	15.00	27.04	25.00	9.74	35.00	4.97
5.25	220.77	15.25	26.16	25.25	9.54	35.25	4.90
5.50	201.16	15.50	25.33	25.50	9.36	35.50	4.83
5.75	184.04	15.75	24.53	25.75	9.18	35.75	4.76
6.00	169.03	16.00	23.77	26.00	9.00	36.00	4.70
6.25	155.78	16.25	23.04	26.25	8.83	36.25	4.63
6.50	144.02	16.50	22.35	26.50	8.66	36.50	4.57
6.75	133.55	16.75	21.69	26.75	8.50	36.75	4.51
7.00	124.18	17.00	21.06	27.00	8.35	37.00	4.44
7.25	115.77	17.25	20.45	27.25	8.19	37.25	4.39
7.50	108.18	17.50	19.87	27.50	8.05	37.50	4.33
7.75	101.31	17.75	19.31	27.75	7.90	37.75	4.27
8.00	95.08	18.00	18.78	28.00	7.76	38.00	4.21
8.25	89.40	18.25	18.27	28.25	7.62	38.25	4.16
8.50	84.22	18.50	17.78	28.50	7.49	38.50	4.11
8.75	79.48	18.75	17.31	28.75	7.36	38.75	4.05
9.00	75.12	19.00	16.86	29.00	7.24	39.00	4.00
9.25	71.12	19.25	16.42	29.25	7.11	39.25	3.95
9.50	67.42	19.50	16.00	29.50	6.99	39.50	3.90
9.75	64.01	19.75	15.60	29.75	6.88	39.75	3.85
10.00	60.85	20.00	15.21	30.00	6.76	40.00	3.80

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 4 – 30%

SMART Meter Power Density Computer Modeling

(1 SMART Meter only – 2000% reflections)

Meters 1 Electric Meter

Time Avg: 30% % Reflection 2000%

Distance where limits are exceeded			
FCC ft. 3.05		36.59 Inches	
BioInitiative ft. 247.00		2964.00 Inches	

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	3.76	54.25	2.07	68.25	1.31	82.25	0.90
40.50	3.71	54.50	2.05	68.50	1.30	82.50	0.89
40.75	3.66	54.75	2.03	68.75	1.29	82.75	0.89
41.00	3.62	55.00	2.01	69.00	1.28	83.00	0.88
41.25	3.58	55.25	1.99	69.25	1.27	83.25	0.88
41.50	3.53	55.50	1.98	69.50	1.26	83.50	0.87
41.75	3.49	55.75	1.96	69.75	1.25	83.75	0.87
42.00	3.45	56.00	1.94	70.00	1.24	84.00	0.86
42.25	3.41	56.25	1.92	70.25	1.23	84.25	0.86
42.50	3.37	56.50	1.91	70.50	1.22	84.50	0.85
42.75	3.33	56.75	1.89	70.75	1.22	84.75	0.85
43.00	3.29	57.00	1.87	71.00	1.21	85.00	0.84
43.25	3.25	57.25	1.86	71.25	1.20	85.25	0.84
43.50	3.22	57.50	1.84	71.50	1.19	85.50	0.83
43.75	3.18	57.75	1.82	71.75	1.18	85.75	0.83
44.00	3.14	58.00	1.81	72.00	1.17	86.00	0.82
44.25	3.11	58.25	1.79	72.25	1.17	86.25	0.82
44.50	3.07	58.50	1.78	72.50	1.16	86.50	0.81
44.75	3.04	58.75	1.76	72.75	1.15	86.75	0.81
45.00	3.00	59.00	1.75	73.00	1.14	87.00	0.80
45.25	2.97	59.25	1.73	73.25	1.13	87.25	0.80
45.50	2.94	59.50	1.72	73.50	1.13	87.50	0.79
45.75	2.91	59.75	1.70	73.75	1.12	87.75	0.79
46.00	2.88	60.00	1.69	74.00	1.11	88.00	0.79
46.25	2.84	60.25	1.68	74.25	1.10	88.25	0.78
46.50	2.81	60.50	1.66	74.50	1.10	88.50	0.78
46.75	2.78	60.75	1.65	74.75	1.09	88.75	0.77
47.00	2.75	61.00	1.64	75.00	1.08	89.00	0.77
47.25	2.73	61.25	1.62	75.25	1.07	89.25	0.76
47.50	2.70	61.50	1.61	75.50	1.07	89.50	0.76
47.75	2.67	61.75	1.60	75.75	1.06	89.75	0.76
48.00	2.64	62.00	1.58	76.00	1.05	90.00	0.75
48.25	2.61	62.25	1.57	76.25	1.05	90.25	0.75
48.50	2.59	62.50	1.56	76.50	1.04	90.50	0.74
48.75	2.56	62.75	1.55	76.75	1.03	90.75	0.74
49.00	2.53	63.00	1.53	77.00	1.03	91.00	0.73
49.25	2.51	63.25	1.52	77.25	1.02	91.25	0.73
49.50	2.48	63.50	1.51	77.50	1.01	91.50	0.73
49.75	2.46	63.75	1.50	77.75	1.01	91.75	0.72
50.00	2.43	64.00	1.49	78.00	1.00	92.00	0.72
50.25	2.41	64.25	1.47	78.25	0.99	92.25	0.72
50.50	2.39	64.50	1.46	78.50	0.99	92.50	0.71
50.75	2.36	64.75	1.45	78.75	0.98	92.75	0.71
51.00	2.34	65.00	1.44	79.00	0.98	93.00	0.70
51.25	2.32	65.25	1.43	79.25	0.97	93.25	0.70
51.50	2.29	65.50	1.42	79.50	0.96	93.50	0.70
51.75	2.27	65.75	1.41	79.75	0.96	93.75	0.69
52.00	2.25	66.00	1.40	80.00	0.95	94.00	0.69
52.25	2.23	66.25	1.39	80.25	0.94	94.25	0.69
52.50	2.21	66.50	1.38	80.50	0.94	94.50	0.68
52.75	2.19	66.75	1.37	80.75	0.93	94.75	0.68
53.00	2.17	67.00	1.36	81.00	0.93	95.00	0.67
53.25	2.15	67.25	1.35	81.25	0.92	95.25	0.67
53.50	2.13	67.50	1.34	81.50	0.92	95.50	0.67
53.75	2.11	67.75	1.33	81.75	0.91	95.75	0.66
54.00	2.09	68.00	1.32	82.00	0.90	96.00	0.66

Table 4 – 30%

SMART Meter Power Density Computer Modeling

(1 SMART Meter only – 2000% reflections)

Meters 1 Electric Meter

Time Avg: 40% % Reflection 2000%

Distance where limits are exceeded			
FCC ft.	3.52	42.3	Inches
BioInitiative ft.	285.00	3420.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	129812.81	10.25	77.22	20.25	19.79	30.25	8.87
0.50	32453.20	10.50	73.59	20.50	19.31	30.50	8.72
0.75	14423.65	10.75	70.21	20.75	18.84	30.75	8.58
1.00	8113.30	11.00	67.05	21.00	18.40	31.00	8.44
1.25	5192.51	11.25	64.11	21.25	17.97	31.25	8.31
1.50	3605.91	11.50	61.35	21.50	17.55	31.50	8.18
1.75	2649.24	11.75	58.77	21.75	17.15	31.75	8.05
2.00	2028.33	12.00	56.34	22.00	16.76	32.00	7.92
2.25	1602.63	12.25	54.07	22.25	16.39	32.25	7.80
2.50	1298.13	12.50	51.93	22.50	16.03	32.50	7.68
2.75	1072.83	12.75	49.91	22.75	15.68	32.75	7.56
3.00	901.48	13.00	48.01	23.00	15.34	33.00	7.45
3.25	768.12	13.25	46.21	23.25	15.01	33.25	7.34
3.50	662.31	13.50	44.52	23.50	14.69	33.50	7.23
3.75	576.95	13.75	42.91	23.75	14.38	33.75	7.12
4.00	507.08	14.00	41.39	24.00	14.09	34.00	7.02
4.25	449.18	14.25	39.95	24.25	13.80	34.25	6.92
4.50	400.66	14.50	38.59	24.50	13.52	34.50	6.82
4.75	359.59	14.75	37.29	24.75	13.24	34.75	6.72
5.00	324.53	15.00	36.06	25.00	12.98	35.00	6.62
5.25	294.36	15.25	34.89	25.25	12.73	35.25	6.53
5.50	268.21	15.50	33.77	25.50	12.48	35.50	6.44
5.75	245.39	15.75	32.71	25.75	12.24	35.75	6.35
6.00	225.37	16.00	31.69	26.00	12.00	36.00	6.26
6.25	207.70	16.25	30.72	26.25	11.77	36.25	6.17
6.50	192.03	16.50	29.80	26.50	11.55	36.50	6.09
6.75	178.07	16.75	28.92	26.75	11.34	36.75	6.01
7.00	165.58	17.00	28.07	27.00	11.13	37.00	5.93
7.25	154.36	17.25	27.27	27.25	10.93	37.25	5.85
7.50	144.24	17.50	26.49	27.50	10.73	37.50	5.77
7.75	135.08	17.75	25.75	27.75	10.54	37.75	5.69
8.00	126.77	18.00	25.04	28.00	10.35	38.00	5.62
8.25	119.20	18.25	24.36	28.25	10.17	38.25	5.55
8.50	112.29	18.50	23.71	28.50	9.99	38.50	5.47
8.75	105.97	18.75	23.08	28.75	9.82	38.75	5.40
9.00	100.16	19.00	22.47	29.00	9.65	39.00	5.33
9.25	94.82	19.25	21.89	29.25	9.48	39.25	5.27
9.50	89.90	19.50	21.34	29.50	9.32	39.50	5.20
9.75	85.35	19.75	20.80	29.75	9.17	39.75	5.13
10.00	81.13	20.00	20.28	30.00	9.01	40.00	5.07

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 4 – 40%

SMART Meter Power Density Computer Modeling

(1 SMART Meter only – 2000% reflections)

Meters 1 Electric Meter

Time Avg: 40% % Reflection 2000%

Distance where limits are exceeded	
FCC ft. 3.52	42.25 Inches
BioInitiative ft. 285.00	3420.00 Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	5.01	54.25	2.76	68.25	1.74	82.25	1.20
40.50	4.95	54.50	2.73	68.50	1.73	82.50	1.19
40.75	4.89	54.75	2.71	68.75	1.72	82.75	1.18
41.00	4.83	55.00	2.68	69.00	1.70	83.00	1.18
41.25	4.77	55.25	2.66	69.25	1.69	83.25	1.17
41.50	4.71	55.50	2.63	69.50	1.68	83.50	1.16
41.75	4.65	55.75	2.61	69.75	1.67	83.75	1.16
42.00	4.60	56.00	2.59	70.00	1.66	84.00	1.15
42.25	4.55	56.25	2.56	70.25	1.64	84.25	1.14
42.50	4.49	56.50	2.54	70.50	1.63	84.50	1.14
42.75	4.44	56.75	2.52	70.75	1.62	84.75	1.13
43.00	4.39	57.00	2.50	71.00	1.61	85.00	1.12
43.25	4.34	57.25	2.48	71.25	1.60	85.25	1.12
43.50	4.29	57.50	2.45	71.50	1.59	85.50	1.11
43.75	4.24	57.75	2.43	71.75	1.58	85.75	1.10
44.00	4.19	58.00	2.41	72.00	1.57	86.00	1.10
44.25	4.14	58.25	2.39	72.25	1.55	86.25	1.09
44.50	4.10	58.50	2.37	72.50	1.54	86.50	1.08
44.75	4.05	58.75	2.35	72.75	1.53	86.75	1.08
45.00	4.01	59.00	2.33	73.00	1.52	87.00	1.07
45.25	3.96	59.25	2.31	73.25	1.51	87.25	1.07
45.50	3.92	59.50	2.29	73.50	1.50	87.50	1.06
45.75	3.88	59.75	2.27	73.75	1.49	87.75	1.05
46.00	3.83	60.00	2.25	74.00	1.48	88.00	1.05
46.25	3.79	60.25	2.24	74.25	1.47	88.25	1.04
46.50	3.75	60.50	2.22	74.50	1.46	88.50	1.04
46.75	3.71	60.75	2.20	74.75	1.45	88.75	1.03
47.00	3.67	61.00	2.18	75.00	1.44	89.00	1.02
47.25	3.63	61.25	2.16	75.25	1.43	89.25	1.02
47.50	3.60	61.50	2.15	75.50	1.42	89.50	1.01
47.75	3.56	61.75	2.13	75.75	1.41	89.75	1.01
48.00	3.52	62.00	2.11	76.00	1.40	90.00	1.00
48.25	3.49	62.25	2.09	76.25	1.40	90.25	1.00
48.50	3.45	62.50	2.08	76.50	1.39	90.50	0.99
48.75	3.41	62.75	2.06	76.75	1.38	90.75	0.99
49.00	3.38	63.00	2.04	77.00	1.37	91.00	0.98
49.25	3.34	63.25	2.03	77.25	1.36	91.25	0.97
49.50	3.31	63.50	2.01	77.50	1.35	91.50	0.97
49.75	3.28	63.75	2.00	77.75	1.34	91.75	0.96
50.00	3.25	64.00	1.98	78.00	1.33	92.00	0.96
50.25	3.21	64.25	1.97	78.25	1.33	92.25	0.95
50.50	3.18	64.50	1.95	78.50	1.32	92.50	0.95
50.75	3.15	64.75	1.94	78.75	1.31	92.75	0.94
51.00	3.12	65.00	1.92	79.00	1.30	93.00	0.94
51.25	3.09	65.25	1.91	79.25	1.29	93.25	0.93
51.50	3.06	65.50	1.89	79.50	1.28	93.50	0.93
51.75	3.03	65.75	1.88	79.75	1.28	93.75	0.92
52.00	3.00	66.00	1.86	80.00	1.27	94.00	0.92
52.25	2.97	66.25	1.85	80.25	1.26	94.25	0.91
52.50	2.94	66.50	1.83	80.50	1.25	94.50	0.91
52.75	2.92	66.75	1.82	80.75	1.24	94.75	0.90
53.00	2.89	67.00	1.81	81.00	1.24	95.00	0.90
53.25	2.86	67.25	1.79	81.25	1.23	95.25	0.89
53.50	2.83	67.50	1.78	81.50	1.22	95.50	0.89
53.75	2.81	67.75	1.77	81.75	1.21	95.75	0.88
54.00	2.78	68.00	1.75	82.00	1.21	96.00	0.88

Table 4 – 40%

SMART Meter Power Density Computer Modeling

(1 SMART Meter only – 2000% reflections)

Meters 1 Electric Meter

Time Avg: 50% % Reflection 2000%

Distance where limits are exceeded			
FCC ft.	3.94	47.2	Inches
BioInitiative ft.	318.00	3816.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	162266.02	10.25	96.53	20.25	24.73	30.25	11.08
0.50	40566.50	10.50	91.99	20.50	24.13	30.50	10.90
0.75	18029.56	10.75	87.76	20.75	23.55	30.75	10.73
1.00	10141.63	11.00	83.82	21.00	23.00	31.00	10.55
1.25	6490.64	11.25	80.13	21.25	22.46	31.25	10.39
1.50	4507.39	11.50	76.69	21.50	21.94	31.50	10.22
1.75	3311.55	11.75	73.46	21.75	21.44	31.75	10.06
2.00	2535.41	12.00	70.43	22.00	20.95	32.00	9.90
2.25	2003.28	12.25	67.58	22.25	20.49	32.25	9.75
2.50	1622.66	12.50	64.91	22.50	20.03	32.50	9.60
2.75	1341.04	12.75	62.39	22.75	19.59	32.75	9.46
3.00	1126.85	13.00	60.01	23.00	19.17	33.00	9.31
3.25	960.15	13.25	57.77	23.25	18.76	33.25	9.17
3.50	827.89	13.50	55.65	23.50	18.36	33.50	9.04
3.75	721.18	13.75	53.64	23.75	17.98	33.75	8.90
4.00	633.85	14.00	51.74	24.00	17.61	34.00	8.77
4.25	561.47	14.25	49.94	24.25	17.25	34.25	8.65
4.50	500.82	14.50	48.24	24.50	16.90	34.50	8.52
4.75	449.49	14.75	46.61	24.75	16.56	34.75	8.40
5.00	405.67	15.00	45.07	25.00	16.23	35.00	8.28
5.25	367.95	15.25	43.61	25.25	15.91	35.25	8.16
5.50	335.26	15.50	42.21	25.50	15.60	35.50	8.05
5.75	306.74	15.75	40.88	25.75	15.30	35.75	7.94
6.00	281.71	16.00	39.62	26.00	15.00	36.00	7.83
6.25	259.63	16.25	38.41	26.25	14.72	36.25	7.72
6.50	240.04	16.50	37.25	26.50	14.44	36.50	7.61
6.75	222.59	16.75	36.15	26.75	14.17	36.75	7.51
7.00	206.97	17.00	35.09	27.00	13.91	37.00	7.41
7.25	192.94	17.25	34.08	27.25	13.66	37.25	7.31
7.50	180.30	17.50	33.12	27.50	13.41	37.50	7.21
7.75	168.85	17.75	32.19	27.75	13.17	37.75	7.12
8.00	158.46	18.00	31.30	28.00	12.94	38.00	7.02
8.25	149.00	18.25	30.45	28.25	12.71	38.25	6.93
8.50	140.37	18.50	29.63	28.50	12.49	38.50	6.84
8.75	132.46	18.75	28.85	28.75	12.27	38.75	6.75
9.00	125.21	19.00	28.09	29.00	12.06	39.00	6.67
9.25	118.53	19.25	27.37	29.25	11.85	39.25	6.58
9.50	112.37	19.50	26.67	29.50	11.65	39.50	6.50
9.75	106.68	19.75	26.00	29.75	11.46	39.75	6.42
10.00	101.42	20.00	25.35	30.00	11.27	40.00	6.34

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 4 – 50%

SMART Meter Power Density Computer Modeling

(1 SMART Meter only – 2000% reflections)

Meters 1 Electric Meter

Time Avg: 50% % Reflection 2000%

Distance where limits are exceeded	
FCC ft. 3.94	47.24 Inches
BioInitiative ft. 318.00	3816.00 Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	6.26	54.25	3.45	68.25	2.18	82.25	1.50
40.50	6.18	54.50	3.41	68.50	2.16	82.50	1.49
40.75	6.11	54.75	3.38	68.75	2.15	82.75	1.48
41.00	6.03	55.00	3.35	69.00	2.13	83.00	1.47
41.25	5.96	55.25	3.32	69.25	2.11	83.25	1.46
41.50	5.89	55.50	3.29	69.50	2.10	83.50	1.45
41.75	5.82	55.75	3.26	69.75	2.08	83.75	1.45
42.00	5.75	56.00	3.23	70.00	2.07	84.00	1.44
42.25	5.68	56.25	3.21	70.25	2.06	84.25	1.43
42.50	5.61	56.50	3.18	70.50	2.04	84.50	1.42
42.75	5.55	56.75	3.15	70.75	2.03	84.75	1.41
43.00	5.48	57.00	3.12	71.00	2.01	85.00	1.40
43.25	5.42	57.25	3.09	71.25	2.00	85.25	1.40
43.50	5.36	57.50	3.07	71.50	1.98	85.50	1.39
43.75	5.30	57.75	3.04	71.75	1.97	85.75	1.38
44.00	5.24	58.00	3.01	72.00	1.96	86.00	1.37
44.25	5.18	58.25	2.99	72.25	1.94	86.25	1.36
44.50	5.12	58.50	2.96	72.50	1.93	86.50	1.36
44.75	5.06	58.75	2.94	72.75	1.92	86.75	1.35
45.00	5.01	59.00	2.91	73.00	1.90	87.00	1.34
45.25	4.95	59.25	2.89	73.25	1.89	87.25	1.33
45.50	4.90	59.50	2.86	73.50	1.88	87.50	1.32
45.75	4.85	59.75	2.84	73.75	1.86	87.75	1.32
46.00	4.79	60.00	2.82	74.00	1.85	88.00	1.31
46.25	4.74	60.25	2.79	74.25	1.84	88.25	1.30
46.50	4.69	60.50	2.77	74.50	1.83	88.50	1.29
46.75	4.64	60.75	2.75	74.75	1.82	88.75	1.29
47.00	4.59	61.00	2.73	75.00	1.80	89.00	1.28
47.25	4.54	61.25	2.70	75.25	1.79	89.25	1.27
47.50	4.49	61.50	2.68	75.50	1.78	89.50	1.27
47.75	4.45	61.75	2.66	75.75	1.77	89.75	1.26
48.00	4.40	62.00	2.64	76.00	1.76	90.00	1.25
48.25	4.36	62.25	2.62	76.25	1.74	90.25	1.25
48.50	4.31	62.50	2.60	76.50	1.73	90.50	1.24
48.75	4.27	62.75	2.58	76.75	1.72	90.75	1.23
49.00	4.22	63.00	2.56	77.00	1.71	91.00	1.22
49.25	4.18	63.25	2.54	77.25	1.70	91.25	1.22
49.50	4.14	63.50	2.52	77.50	1.69	91.50	1.21
49.75	4.10	63.75	2.50	77.75	1.68	91.75	1.20
50.00	4.06	64.00	2.48	78.00	1.67	92.00	1.20
50.25	4.02	64.25	2.46	78.25	1.66	92.25	1.19
50.50	3.98	64.50	2.44	78.50	1.65	92.50	1.19
50.75	3.94	64.75	2.42	78.75	1.64	92.75	1.18
51.00	3.90	65.00	2.40	79.00	1.63	93.00	1.17
51.25	3.86	65.25	2.38	79.25	1.61	93.25	1.17
51.50	3.82	65.50	2.36	79.50	1.60	93.50	1.16
51.75	3.79	65.75	2.35	79.75	1.59	93.75	1.15
52.00	3.75	66.00	2.33	80.00	1.58	94.00	1.15
52.25	3.71	66.25	2.31	80.25	1.57	94.25	1.14
52.50	3.68	66.50	2.29	80.50	1.57	94.50	1.14
52.75	3.64	66.75	2.28	80.75	1.56	94.75	1.13
53.00	3.61	67.00	2.26	81.00	1.55	95.00	1.12
53.25	3.58	67.25	2.24	81.25	1.54	95.25	1.12
53.50	3.54	67.50	2.23	81.50	1.53	95.50	1.11
53.75	3.51	67.75	2.21	81.75	1.52	95.75	1.11
54.00	3.48	68.00	2.19	82.00	1.51	96.00	1.10

Table 4 – 50%

SMART Meter Power Density Computer Modeling

(1 SMART Meter only – 2000% reflections)

Meters 1 Electric Meter

Time Avg: 60% % Reflection 2000%

Distance where limits are exceeded		
FCC ft.	4.31	51.7 Inches
BioInitiative ft.	348.00	4176.0 Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	194719.22	10.25	115.84	20.25	29.68	30.25	13.30
0.50	48679.81	10.50	110.39	20.50	28.96	30.50	13.08
0.75	21635.47	10.75	105.31	20.75	28.27	30.75	12.87
1.00	12169.95	11.00	100.58	21.00	27.60	31.00	12.66
1.25	7788.77	11.25	96.16	21.25	26.95	31.25	12.46
1.50	5408.87	11.50	92.02	21.50	26.33	31.50	12.27
1.75	3973.86	11.75	88.15	21.75	25.73	31.75	12.07
2.00	3042.49	12.00	84.51	22.00	25.14	32.00	11.88
2.25	2403.94	12.25	81.10	22.25	24.58	32.25	11.70
2.50	1947.19	12.50	77.89	22.50	24.04	32.50	11.52
2.75	1609.25	12.75	74.86	22.75	23.51	32.75	11.35
3.00	1352.22	13.00	72.01	23.00	23.01	33.00	11.18
3.25	1152.18	13.25	69.32	23.25	22.51	33.25	11.01
3.50	993.47	13.50	66.78	23.50	22.04	33.50	10.84
3.75	865.42	13.75	64.37	23.75	21.58	33.75	10.68
4.00	760.62	14.00	62.09	24.00	21.13	34.00	10.53
4.25	673.77	14.25	59.93	24.25	20.69	34.25	10.37
4.50	600.99	14.50	57.88	24.50	20.27	34.50	10.22
4.75	539.39	14.75	55.94	24.75	19.87	34.75	10.08
5.00	486.80	15.00	54.09	25.00	19.47	35.00	9.93
5.25	441.54	15.25	52.33	25.25	19.09	35.25	9.79
5.50	402.31	15.50	50.66	25.50	18.72	35.50	9.66
5.75	368.09	15.75	49.06	25.75	18.35	35.75	9.52
6.00	338.05	16.00	47.54	26.00	18.00	36.00	9.39
6.25	311.55	16.25	46.09	26.25	17.66	36.25	9.26
6.50	288.05	16.50	44.70	26.50	17.33	36.50	9.13
6.75	267.10	16.75	43.38	26.75	17.01	36.75	9.01
7.00	248.37	17.00	42.11	27.00	16.69	37.00	8.89
7.25	231.53	17.25	40.90	27.25	16.39	37.25	8.77
7.50	216.35	17.50	39.74	27.50	16.09	37.50	8.65
7.75	202.62	17.75	38.63	27.75	15.80	37.75	8.54
8.00	190.16	18.00	37.56	28.00	15.52	38.00	8.43
8.25	178.81	18.25	36.54	28.25	15.25	38.25	8.32
8.50	168.44	18.50	35.56	28.50	14.98	38.50	8.21
8.75	158.95	18.75	34.62	28.75	14.72	38.75	8.10
9.00	150.25	19.00	33.71	29.00	14.47	39.00	8.00
9.25	142.23	19.25	32.84	29.25	14.22	39.25	7.90
9.50	134.85	19.50	32.01	29.50	13.98	39.50	7.80
9.75	128.02	19.75	31.20	29.75	13.75	39.75	7.70
10.00	121.70	20.00	30.42	30.00	13.52	40.00	7.61

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 4 – 60%

SMART Meter Power Density Computer Modeling

(1 SMART Meter only – 2000% reflections)

Meters 1 Electric Meter

Time Avg: 60% % Reflection 2000%

Distance where limits are exceeded	
FCC ft. 4.31	51.75 Inches
BioInitiative ft. 348.00	4176.00 Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	7.51	54.25	4.14	68.25	2.61	82.25	1.80
40.50	7.42	54.50	4.10	68.50	2.59	82.50	1.79
40.75	7.33	54.75	4.06	68.75	2.57	82.75	1.78
41.00	7.24	55.00	4.02	69.00	2.56	83.00	1.77
41.25	7.15	55.25	3.99	69.25	2.54	83.25	1.76
41.50	7.07	55.50	3.95	69.50	2.52	83.50	1.75
41.75	6.98	55.75	3.92	69.75	2.50	83.75	1.74
42.00	6.90	56.00	3.88	70.00	2.48	84.00	1.72
42.25	6.82	56.25	3.85	70.25	2.47	84.25	1.71
42.50	6.74	56.50	3.81	70.50	2.45	84.50	1.70
42.75	6.66	56.75	3.78	70.75	2.43	84.75	1.69
43.00	6.58	57.00	3.75	71.00	2.41	85.00	1.68
43.25	6.51	57.25	3.71	71.25	2.40	85.25	1.67
43.50	6.43	57.50	3.68	71.50	2.38	85.50	1.66
43.75	6.36	57.75	3.65	71.75	2.36	85.75	1.66
44.00	6.29	58.00	3.62	72.00	2.35	86.00	1.65
44.25	6.22	58.25	3.59	72.25	2.33	86.25	1.64
44.50	6.15	58.50	3.56	72.50	2.32	86.50	1.63
44.75	6.08	58.75	3.53	72.75	2.30	86.75	1.62
45.00	6.01	59.00	3.50	73.00	2.28	87.00	1.61
45.25	5.94	59.25	3.47	73.25	2.27	87.25	1.60
45.50	5.88	59.50	3.44	73.50	2.25	87.50	1.59
45.75	5.81	59.75	3.41	73.75	2.24	87.75	1.58
46.00	5.75	60.00	3.38	74.00	2.22	88.00	1.57
46.25	5.69	60.25	3.35	74.25	2.21	88.25	1.56
46.50	5.63	60.50	3.32	74.50	2.19	88.50	1.55
46.75	5.57	60.75	3.30	74.75	2.18	88.75	1.55
47.00	5.51	61.00	3.27	75.00	2.16	89.00	1.54
47.25	5.45	61.25	3.24	75.25	2.15	89.25	1.53
47.50	5.39	61.50	3.22	75.50	2.13	89.50	1.52
47.75	5.34	61.75	3.19	75.75	2.12	89.75	1.51
48.00	5.28	62.00	3.17	76.00	2.11	90.00	1.50
48.25	5.23	62.25	3.14	76.25	2.09	90.25	1.49
48.50	5.17	62.50	3.12	76.50	2.08	90.50	1.49
48.75	5.12	62.75	3.09	76.75	2.07	90.75	1.48
49.00	5.07	63.00	3.07	77.00	2.05	91.00	1.47
49.25	5.02	63.25	3.04	77.25	2.04	91.25	1.46
49.50	4.97	63.50	3.02	77.50	2.03	91.50	1.45
49.75	4.92	63.75	2.99	77.75	2.01	91.75	1.45
50.00	4.87	64.00	2.97	78.00	2.00	92.00	1.44
50.25	4.82	64.25	2.95	78.25	1.99	92.25	1.43
50.50	4.77	64.50	2.93	78.50	1.97	92.50	1.42
50.75	4.73	64.75	2.90	78.75	1.96	92.75	1.41
51.00	4.68	65.00	2.88	79.00	1.95	93.00	1.41
51.25	4.63	65.25	2.86	79.25	1.94	93.25	1.40
51.50	4.59	65.50	2.84	79.50	1.93	93.50	1.39
51.75	4.54	65.75	2.82	79.75	1.91	93.75	1.38
52.00	4.50	66.00	2.79	80.00	1.90	94.00	1.38
52.25	4.46	66.25	2.77	80.25	1.89	94.25	1.37
52.50	4.42	66.50	2.75	80.50	1.88	94.50	1.36
52.75	4.37	66.75	2.73	80.75	1.87	94.75	1.36
53.00	4.33	67.00	2.71	81.00	1.85	95.00	1.35
53.25	4.29	67.25	2.69	81.25	1.84	95.25	1.34
53.50	4.25	67.50	2.67	81.50	1.83	95.50	1.33
53.75	4.21	67.75	2.65	81.75	1.82	95.75	1.33
54.00	4.17	68.00	2.63	82.00	1.81	96.00	1.32

Table 4 – 60%

SMART Meter Power Density Computer Modeling

(1 SMART Meter only – 2000% reflections)

Meters 1 Electric Meter

Time Avg: 70% % Reflection 2000%

Distance where limits are exceeded		
FCC ft.	4.66	55.9 Inches
BioInitiative ft.	376.00	4512.0 Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	227172.42	10.25	135.14	20.25	34.62	30.25	15.52
0.50	56793.11	10.50	128.78	20.50	33.79	30.50	15.26
0.75	25241.38	10.75	122.86	20.75	32.98	30.75	15.02
1.00	14198.28	11.00	117.34	21.00	32.20	31.00	14.77
1.25	9086.90	11.25	112.18	21.25	31.44	31.25	14.54
1.50	6310.35	11.50	107.36	21.50	30.72	31.50	14.31
1.75	4636.17	11.75	102.84	21.75	30.01	31.75	14.08
2.00	3549.57	12.00	98.60	22.00	29.34	32.00	13.87
2.25	2804.60	12.25	94.62	22.25	28.68	32.25	13.65
2.50	2271.72	12.50	90.87	22.50	28.05	32.50	13.44
2.75	1877.46	12.75	87.34	22.75	27.43	32.75	13.24
3.00	1577.59	13.00	84.01	23.00	26.84	33.00	13.04
3.25	1344.22	13.25	80.87	23.25	26.27	33.25	12.84
3.50	1159.04	13.50	77.91	23.50	25.71	33.50	12.65
3.75	1009.66	13.75	75.10	23.75	25.17	33.75	12.46
4.00	887.39	14.00	72.44	24.00	24.65	34.00	12.28
4.25	786.06	14.25	69.92	24.25	24.14	34.25	12.10
4.50	701.15	14.50	67.53	24.50	23.65	34.50	11.93
4.75	629.29	14.75	65.26	24.75	23.18	34.75	11.76
5.00	567.93	15.00	63.10	25.00	22.72	35.00	11.59
5.25	515.13	15.25	61.05	25.25	22.27	35.25	11.43
5.50	469.36	15.50	59.10	25.50	21.84	35.50	11.27
5.75	429.44	15.75	57.24	25.75	21.41	35.75	11.11
6.00	394.40	16.00	55.46	26.00	21.00	36.00	10.96
6.25	363.48	16.25	53.77	26.25	20.61	36.25	10.80
6.50	336.05	16.50	52.15	26.50	20.22	36.50	10.66
6.75	311.62	16.75	50.61	26.75	19.84	36.75	10.51
7.00	289.76	17.00	49.13	27.00	19.48	37.00	10.37
7.25	270.12	17.25	47.72	27.25	19.12	37.25	10.23
7.50	252.41	17.50	46.36	27.50	18.77	37.50	10.10
7.75	236.39	17.75	45.06	27.75	18.44	37.75	9.96
8.00	221.85	18.00	43.82	28.00	18.11	38.00	9.83
8.25	208.61	18.25	42.63	28.25	17.79	38.25	9.70
8.50	196.52	18.50	41.49	28.50	17.48	38.50	9.58
8.75	185.45	18.75	40.39	28.75	17.18	38.75	9.46
9.00	175.29	19.00	39.33	29.00	16.88	39.00	9.33
9.25	165.94	19.25	38.32	29.25	16.60	39.25	9.22
9.50	157.32	19.50	37.34	29.50	16.32	39.50	9.10
9.75	149.36	19.75	36.40	29.75	16.04	39.75	8.99
10.00	141.98	20.00	35.50	30.00	15.78	40.00	8.87

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 4 – 70%

SMART Meter Power Density Computer Modeling

(1 SMART Meter only – 2000% reflections)

Meters 1 Electric Meter

Time Avg: 70% % Reflection 2000%

Distance where limits are exceeded	
FCC ft. 4.66	55.89 Inches
BioInitiative ft. 376.00	4512.00 Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	8.76	54.25	4.82	68.25	3.05	82.25	2.10
40.50	8.66	54.50	4.78	68.50	3.03	82.50	2.09
40.75	8.55	54.75	4.74	68.75	3.00	82.75	2.07
41.00	8.45	55.00	4.69	69.00	2.98	83.00	2.06
41.25	8.34	55.25	4.65	69.25	2.96	83.25	2.05
41.50	8.24	55.50	4.61	69.50	2.94	83.50	2.04
41.75	8.15	55.75	4.57	69.75	2.92	83.75	2.02
42.00	8.05	56.00	4.53	70.00	2.90	84.00	2.01
42.25	7.95	56.25	4.49	70.25	2.88	84.25	2.00
42.50	7.86	56.50	4.45	70.50	2.86	84.50	1.99
42.75	7.77	56.75	4.41	70.75	2.84	84.75	1.98
43.00	7.68	57.00	4.37	71.00	2.82	85.00	1.97
43.25	7.59	57.25	4.33	71.25	2.80	85.25	1.95
43.50	7.50	57.50	4.29	71.50	2.78	85.50	1.94
43.75	7.42	57.75	4.26	71.75	2.76	85.75	1.93
44.00	7.33	58.00	4.22	72.00	2.74	86.00	1.92
44.25	7.25	58.25	4.18	72.25	2.72	86.25	1.91
44.50	7.17	58.50	4.15	72.50	2.70	86.50	1.90
44.75	7.09	58.75	4.11	72.75	2.68	86.75	1.89
45.00	7.01	59.00	4.08	73.00	2.66	87.00	1.88
45.25	6.93	59.25	4.04	73.25	2.65	87.25	1.87
45.50	6.86	59.50	4.01	73.50	2.63	87.50	1.85
45.75	6.78	59.75	3.98	73.75	2.61	87.75	1.84
46.00	6.71	60.00	3.94	74.00	2.59	88.00	1.83
46.25	6.64	60.25	3.91	74.25	2.58	88.25	1.82
46.50	6.57	60.50	3.88	74.50	2.56	88.50	1.81
46.75	6.50	60.75	3.85	74.75	2.54	88.75	1.80
47.00	6.43	61.00	3.82	75.00	2.52	89.00	1.79
47.25	6.36	61.25	3.78	75.25	2.51	89.25	1.78
47.50	6.29	61.50	3.75	75.50	2.49	89.50	1.77
47.75	6.23	61.75	3.72	75.75	2.47	89.75	1.76
48.00	6.16	62.00	3.69	76.00	2.46	90.00	1.75
48.25	6.10	62.25	3.66	76.25	2.44	90.25	1.74
48.50	6.04	62.50	3.63	76.50	2.43	90.50	1.73
48.75	5.97	62.75	3.61	76.75	2.41	90.75	1.72
49.00	5.91	63.00	3.58	77.00	2.39	91.00	1.71
49.25	5.85	63.25	3.55	77.25	2.38	91.25	1.71
49.50	5.79	63.50	3.52	77.50	2.36	91.50	1.70
49.75	5.74	63.75	3.49	77.75	2.35	91.75	1.69
50.00	5.68	64.00	3.47	78.00	2.33	92.00	1.68
50.25	5.62	64.25	3.44	78.25	2.32	92.25	1.67
50.50	5.57	64.50	3.41	78.50	2.30	92.50	1.66
50.75	5.51	64.75	3.39	78.75	2.29	92.75	1.65
51.00	5.46	65.00	3.36	79.00	2.28	93.00	1.64
51.25	5.41	65.25	3.33	79.25	2.26	93.25	1.63
51.50	5.35	65.50	3.31	79.50	2.25	93.50	1.62
51.75	5.30	65.75	3.28	79.75	2.23	93.75	1.62
52.00	5.25	66.00	3.26	80.00	2.22	94.00	1.61
52.25	5.20	66.25	3.23	80.25	2.20	94.25	1.60
52.50	5.15	66.50	3.21	80.50	2.19	94.50	1.59
52.75	5.10	66.75	3.19	80.75	2.18	94.75	1.58
53.00	5.05	67.00	3.16	81.00	2.16	95.00	1.57
53.25	5.01	67.25	3.14	81.25	2.15	95.25	1.56
53.50	4.96	67.50	3.12	81.50	2.14	95.50	1.56
53.75	4.91	67.75	3.09	81.75	2.12	95.75	1.55
54.00	4.87	68.00	3.07	82.00	2.11	96.00	1.54

Table 4 – 70%

SMART Meter Power Density Computer Modeling

(1 SMART Meter only – 2000% reflections)

Meters 1 Electric Meter

Time Avg: 80% % Reflection 2000%

Distance where limits are exceeded			
FCC ft.	4.98	59.8	Inches
BioInitiative ft.	402.80	4833.6	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	259625.63	10.25	154.45	20.25	39.57	30.25	17.73
0.50	64906.41	10.50	147.18	20.50	38.61	30.50	17.44
0.75	28847.29	10.75	140.41	20.75	37.69	30.75	17.16
1.00	16226.60	11.00	134.10	21.00	36.80	31.00	16.89
1.25	10385.03	11.25	128.21	21.25	35.93	31.25	16.62
1.50	7211.82	11.50	122.70	21.50	35.10	31.50	16.35
1.75	5298.48	11.75	117.53	21.75	34.30	31.75	16.10
2.00	4056.65	12.00	112.68	22.00	33.53	32.00	15.85
2.25	3205.25	12.25	108.13	22.25	32.78	32.25	15.60
2.50	2596.26	12.50	103.85	22.50	32.05	32.50	15.36
2.75	2145.67	12.75	99.82	22.75	31.35	32.75	15.13
3.00	1802.96	13.00	96.02	23.00	30.67	33.00	14.90
3.25	1536.25	13.25	92.43	23.25	30.02	33.25	14.68
3.50	1324.62	13.50	89.03	23.50	29.38	33.50	14.46
3.75	1153.89	13.75	85.83	23.75	28.77	33.75	14.25
4.00	1014.16	14.00	82.79	24.00	28.17	34.00	14.04
4.25	898.36	14.25	79.91	24.25	27.59	34.25	13.83
4.50	801.31	14.50	77.18	24.50	27.03	34.50	13.63
4.75	719.18	14.75	74.58	24.75	26.49	34.75	13.44
5.00	649.06	15.00	72.12	25.00	25.96	35.00	13.25
5.25	588.72	15.25	69.77	25.25	25.45	35.25	13.06
5.50	536.42	15.50	67.54	25.50	24.95	35.50	12.88
5.75	490.79	15.75	65.41	25.75	24.47	35.75	12.70
6.00	450.74	16.00	63.39	26.00	24.00	36.00	12.52
6.25	415.40	16.25	61.45	26.25	23.55	36.25	12.35
6.50	384.06	16.50	59.60	26.50	23.11	36.50	12.18
6.75	356.14	16.75	57.84	26.75	22.68	36.75	12.01
7.00	331.16	17.00	56.15	27.00	22.26	37.00	11.85
7.25	308.71	17.25	54.53	27.25	21.85	37.25	11.69
7.50	288.47	17.50	52.98	27.50	21.46	37.50	11.54
7.75	270.16	17.75	51.50	27.75	21.07	37.75	11.39
8.00	253.54	18.00	50.08	28.00	20.70	38.00	11.24
8.25	238.41	18.25	48.72	28.25	20.33	38.25	11.09
8.50	224.59	18.50	47.41	28.50	19.98	38.50	10.95
8.75	211.94	18.75	46.16	28.75	19.63	38.75	10.81
9.00	200.33	19.00	44.95	29.00	19.29	39.00	10.67
9.25	189.65	19.25	43.79	29.25	18.97	39.25	10.53
9.50	179.80	19.50	42.67	29.50	18.65	39.50	10.40
9.75	170.69	19.75	41.60	29.75	18.33	39.75	10.27
10.00	162.27	20.00	40.57	30.00	18.03	40.00	10.14

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 4 – 80%

SMART Meter Power Density Computer Modeling

(1 SMART Meter only – 2000% reflections)

Meters 1 Electric Meter

Time Avg: 80% % Reflection 2000%

Distance where limits are exceeded			
FCC ft. 4.98		59.75 Inches	
BioInitiative ft. 402.80		4833.60 Inches	

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	10.02	54.25	5.51	68.25	3.48	82.25	2.40
40.50	9.89	54.50	5.46	68.50	3.46	82.50	2.38
40.75	9.77	54.75	5.41	68.75	3.43	82.75	2.37
41.00	9.65	55.00	5.36	69.00	3.41	83.00	2.36
41.25	9.54	55.25	5.32	69.25	3.38	83.25	2.34
41.50	9.42	55.50	5.27	69.50	3.36	83.50	2.33
41.75	9.31	55.75	5.22	69.75	3.34	83.75	2.31
42.00	9.20	56.00	5.17	70.00	3.31	84.00	2.30
42.25	9.09	56.25	5.13	70.25	3.29	84.25	2.29
42.50	8.98	56.50	5.08	70.50	3.26	84.50	2.27
42.75	8.88	56.75	5.04	70.75	3.24	84.75	2.26
43.00	8.78	57.00	4.99	71.00	3.22	85.00	2.25
43.25	8.67	57.25	4.95	71.25	3.20	85.25	2.23
43.50	8.58	57.50	4.91	71.50	3.17	85.50	2.22
43.75	8.48	57.75	4.87	71.75	3.15	85.75	2.21
44.00	8.38	58.00	4.82	72.00	3.13	86.00	2.19
44.25	8.29	58.25	4.78	72.25	3.11	86.25	2.18
44.50	8.19	58.50	4.74	72.50	3.09	86.50	2.17
44.75	8.10	58.75	4.70	72.75	3.07	86.75	2.16
45.00	8.01	59.00	4.66	73.00	3.04	87.00	2.14
45.25	7.92	59.25	4.62	73.25	3.02	87.25	2.13
45.50	7.84	59.50	4.58	73.50	3.00	87.50	2.12
45.75	7.75	59.75	4.55	73.75	2.98	87.75	2.11
46.00	7.67	60.00	4.51	74.00	2.96	88.00	2.10
46.25	7.59	60.25	4.47	74.25	2.94	88.25	2.08
46.50	7.50	60.50	4.43	74.50	2.92	88.50	2.07
46.75	7.42	60.75	4.40	74.75	2.90	88.75	2.06
47.00	7.35	61.00	4.36	75.00	2.88	89.00	2.05
47.25	7.27	61.25	4.33	75.25	2.87	89.25	2.04
47.50	7.19	61.50	4.29	75.50	2.85	89.50	2.03
47.75	7.12	61.75	4.26	75.75	2.83	89.75	2.01
48.00	7.04	62.00	4.22	76.00	2.81	90.00	2.00
48.25	6.97	62.25	4.19	76.25	2.79	90.25	1.99
48.50	6.90	62.50	4.15	76.50	2.77	90.50	1.98
48.75	6.83	62.75	4.12	76.75	2.75	90.75	1.97
49.00	6.76	63.00	4.09	77.00	2.74	91.00	1.96
49.25	6.69	63.25	4.06	77.25	2.72	91.25	1.95
49.50	6.62	63.50	4.02	77.50	2.70	91.50	1.94
49.75	6.56	63.75	3.99	77.75	2.68	91.75	1.93
50.00	6.49	64.00	3.96	78.00	2.67	92.00	1.92
50.25	6.43	64.25	3.93	78.25	2.65	92.25	1.91
50.50	6.36	64.50	3.90	78.50	2.63	92.50	1.90
50.75	6.30	64.75	3.87	78.75	2.62	92.75	1.89
51.00	6.24	65.00	3.84	79.00	2.60	93.00	1.88
51.25	6.18	65.25	3.81	79.25	2.58	93.25	1.87
51.50	6.12	65.50	3.78	79.50	2.57	93.50	1.86
51.75	6.06	65.75	3.75	79.75	2.55	93.75	1.85
52.00	6.00	66.00	3.73	80.00	2.54	94.00	1.84
52.25	5.94	66.25	3.70	80.25	2.52	94.25	1.83
52.50	5.89	66.50	3.67	80.50	2.50	94.50	1.82
52.75	5.83	66.75	3.64	80.75	2.49	94.75	1.81
53.00	5.78	67.00	3.61	81.00	2.47	95.00	1.80
53.25	5.72	67.25	3.59	81.25	2.46	95.25	1.79
53.50	5.67	67.50	3.56	81.50	2.44	95.50	1.78
53.75	5.62	67.75	3.54	81.75	2.43	95.75	1.77
54.00	5.56	68.00	3.51	82.00	2.41	96.00	1.76

Table 4 – 80%

SMART Meter Power Density Computer Modeling

(1 SMART Meter only – 2000% reflections)

Meters 1 Electric Meter

Time Avg: 90% % Reflection 2000%

Distance where limits are exceeded		
FCC ft.	5.28	63.4 Inches
BioInitiative ft.	428.00	5136.0 Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	292078.83	10.25	173.75	20.25	44.52	30.25	19.95
0.50	73019.71	10.50	165.58	20.50	43.44	30.50	19.62
0.75	32453.20	10.75	157.97	20.75	42.40	30.75	19.31
1.00	18254.93	11.00	150.87	21.00	41.39	31.00	19.00
1.25	11683.15	11.25	144.24	21.25	40.43	31.25	18.69
1.50	8113.30	11.50	138.03	21.50	39.49	31.50	18.40
1.75	5960.79	11.75	132.22	21.75	38.59	31.75	18.11
2.00	4563.73	12.00	126.77	22.00	37.72	32.00	17.83
2.25	3605.91	12.25	121.65	22.25	36.87	32.25	17.55
2.50	2920.79	12.50	116.83	22.50	36.06	32.50	17.28
2.75	2413.87	12.75	112.29	22.75	35.27	32.75	17.02
3.00	2028.33	13.00	108.02	23.00	34.51	33.00	16.76
3.25	1728.28	13.25	103.98	23.25	33.77	33.25	16.51
3.50	1490.20	13.50	100.16	23.50	33.06	33.50	16.27
3.75	1298.13	13.75	96.55	23.75	32.36	33.75	16.03
4.00	1140.93	14.00	93.14	24.00	31.69	34.00	15.79
4.25	1010.65	14.25	89.90	24.25	31.04	34.25	15.56
4.50	901.48	14.50	86.82	24.50	30.41	34.50	15.34
4.75	809.08	14.75	83.91	24.75	29.80	34.75	15.12
5.00	730.20	15.00	81.13	25.00	29.21	35.00	14.90
5.25	662.31	15.25	78.49	25.25	28.63	35.25	14.69
5.50	603.47	15.50	75.98	25.50	28.07	35.50	14.49
5.75	552.13	15.75	73.59	25.75	27.53	35.75	14.28
6.00	507.08	16.00	71.31	26.00	27.00	36.00	14.09
6.25	467.33	16.25	69.13	26.25	26.49	36.25	13.89
6.50	432.07	16.50	67.05	26.50	25.99	36.50	13.70
6.75	400.66	16.75	65.07	26.75	25.51	36.75	13.52
7.00	372.55	17.00	63.17	27.00	25.04	37.00	13.33
7.25	347.30	17.25	61.35	27.25	24.58	37.25	13.16
7.50	324.53	17.50	59.61	27.50	24.14	37.50	12.98
7.75	303.93	17.75	57.94	27.75	23.71	37.75	12.81
8.00	285.23	18.00	56.34	28.00	23.28	38.00	12.64
8.25	268.21	18.25	54.81	28.25	22.87	38.25	12.48
8.50	252.66	18.50	53.34	28.50	22.47	38.50	12.32
8.75	238.43	18.75	51.93	28.75	22.09	38.75	12.16
9.00	225.37	19.00	50.57	29.00	21.71	39.00	12.00
9.25	213.35	19.25	49.26	29.25	21.34	39.25	11.85
9.50	202.27	19.50	48.01	29.50	20.98	39.50	11.70
9.75	192.03	19.75	46.80	29.75	20.63	39.75	11.55
10.00	182.55	20.00	45.64	30.00	20.28	40.00	11.41

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 4 – 90%

SMART Meter Power Density Computer Modeling

(1 SMART Meter only – 2000% reflections)

Meters 1 Electric Meter

Time Avg: 90% % Reflection 2000%

Distance where limits are exceeded			
FCC ft. 5.28		63.38 Inches	
BioInitiative ft. 428.00		5136.00 Inches	

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	11.27	54.25	6.20	68.25	3.92	82.25	2.70
40.50	11.13	54.50	6.15	68.50	3.89	82.50	2.68
40.75	10.99	54.75	6.09	68.75	3.86	82.75	2.67
41.00	10.86	55.00	6.03	69.00	3.83	83.00	2.65
41.25	10.73	55.25	5.98	69.25	3.81	83.25	2.63
41.50	10.60	55.50	5.93	69.50	3.78	83.50	2.62
41.75	10.47	55.75	5.87	69.75	3.75	83.75	2.60
42.00	10.35	56.00	5.82	70.00	3.73	84.00	2.59
42.25	10.23	56.25	5.77	70.25	3.70	84.25	2.57
42.50	10.11	56.50	5.72	70.50	3.67	84.50	2.56
42.75	9.99	56.75	5.67	70.75	3.65	84.75	2.54
43.00	9.87	57.00	5.62	71.00	3.62	85.00	2.53
43.25	9.76	57.25	5.57	71.25	3.60	85.25	2.51
43.50	9.65	57.50	5.52	71.50	3.57	85.50	2.50
43.75	9.54	57.75	5.47	71.75	3.55	85.75	2.48
44.00	9.43	58.00	5.43	72.00	3.52	86.00	2.47
44.25	9.32	58.25	5.38	72.25	3.50	86.25	2.45
44.50	9.22	58.50	5.33	72.50	3.47	86.50	2.44
44.75	9.12	58.75	5.29	72.75	3.45	86.75	2.43
45.00	9.01	59.00	5.24	73.00	3.43	87.00	2.41
45.25	8.92	59.25	5.20	73.25	3.40	87.25	2.40
45.50	8.82	59.50	5.16	73.50	3.38	87.50	2.38
45.75	8.72	59.75	5.11	73.75	3.36	87.75	2.37
46.00	8.63	60.00	5.07	74.00	3.33	88.00	2.36
46.25	8.53	60.25	5.03	74.25	3.31	88.25	2.34
46.50	8.44	60.50	4.99	74.50	3.29	88.50	2.33
46.75	8.35	60.75	4.95	74.75	3.27	88.75	2.32
47.00	8.26	61.00	4.91	75.00	3.25	89.00	2.30
47.25	8.18	61.25	4.87	75.25	3.22	89.25	2.29
47.50	8.09	61.50	4.83	75.50	3.20	89.50	2.28
47.75	8.01	61.75	4.79	75.75	3.18	89.75	2.27
48.00	7.92	62.00	4.75	76.00	3.16	90.00	2.25
48.25	7.84	62.25	4.71	76.25	3.14	90.25	2.24
48.50	7.76	62.50	4.67	76.50	3.12	90.50	2.23
48.75	7.68	62.75	4.64	76.75	3.10	90.75	2.22
49.00	7.60	63.00	4.60	77.00	3.08	91.00	2.20
49.25	7.53	63.25	4.56	77.25	3.06	91.25	2.19
49.50	7.45	63.50	4.53	77.50	3.04	91.50	2.18
49.75	7.38	63.75	4.49	77.75	3.02	91.75	2.17
50.00	7.30	64.00	4.46	78.00	3.00	92.00	2.16
50.25	7.23	64.25	4.42	78.25	2.98	92.25	2.15
50.50	7.16	64.50	4.39	78.50	2.96	92.50	2.13
50.75	7.09	64.75	4.35	78.75	2.94	92.75	2.12
51.00	7.02	65.00	4.32	79.00	2.93	93.00	2.11
51.25	6.95	65.25	4.29	79.25	2.91	93.25	2.10
51.50	6.88	65.50	4.25	79.50	2.89	93.50	2.09
51.75	6.82	65.75	4.22	79.75	2.87	93.75	2.08
52.00	6.75	66.00	4.19	80.00	2.85	94.00	2.07
52.25	6.69	66.25	4.16	80.25	2.83	94.25	2.06
52.50	6.62	66.50	4.13	80.50	2.82	94.50	2.04
52.75	6.56	66.75	4.10	80.75	2.80	94.75	2.03
53.00	6.50	67.00	4.07	81.00	2.78	95.00	2.02
53.25	6.44	67.25	4.04	81.25	2.77	95.25	2.01
53.50	6.38	67.50	4.01	81.50	2.75	95.50	2.00
53.75	6.32	67.75	3.98	81.75	2.73	95.75	1.99
54.00	6.26	68.00	3.95	82.00	2.71	96.00	1.98

Table 4 – 90%

SMART Meter Power Density Computer Modeling

(8 SMART Meters – 60% reflections)

Meters 8 Electric SMART Meters

Time Avg: 1% % Reflection 60%

Distance where limits are exceeded			
FCC ft.	0.12	1.4	Inches
BioInitiative ft.	9.70	116.4	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	75.36	10.25	0.09	20.25	0.02	30.25	0.01
0.50	30.14	10.50	0.09	20.50	0.02	30.50	0.01
0.75	15.07	10.75	0.08	20.75	0.02	30.75	0.01
1.00	8.87	11.00	0.08	21.00	0.02	31.00	0.01
1.25	5.80	11.25	0.07	21.25	0.02	31.25	0.01
1.50	4.07	11.50	0.07	21.50	0.02	31.50	0.01
1.75	3.01	11.75	0.07	21.75	0.02	31.75	0.01
2.00	2.32	12.00	0.07	22.00	0.02	32.00	0.01
2.25	1.84	12.25	0.06	22.25	0.02	32.25	0.01
2.50	1.49	12.50	0.06	22.50	0.02	32.50	0.01
2.75	1.24	12.75	0.06	22.75	0.02	32.75	0.01
3.00	1.04	13.00	0.06	23.00	0.02	33.00	0.01
3.25	0.89	13.25	0.05	23.25	0.02	33.25	0.01
3.50	0.77	13.50	0.05	23.50	0.02	33.50	0.01
3.75	0.67	13.75	0.05	23.75	0.02	33.75	0.01
4.00	0.59	14.00	0.05	24.00	0.02	34.00	0.01
4.25	0.52	14.25	0.05	24.25	0.02	34.25	0.01
4.50	0.46	14.50	0.04	24.50	0.02	34.50	0.01
4.75	0.42	14.75	0.04	24.75	0.02	34.75	0.01
5.00	0.38	15.00	0.04	25.00	0.02	35.00	0.01
5.25	0.34	15.25	0.04	25.25	0.01	35.25	0.01
5.50	0.31	15.50	0.04	25.50	0.01	35.50	0.01
5.75	0.28	15.75	0.04	25.75	0.01	35.75	0.01
6.00	0.26	16.00	0.04	26.00	0.01	36.00	0.01
6.25	0.24	16.25	0.04	26.25	0.01	36.25	0.01
6.50	0.22	16.50	0.03	26.50	0.01	36.50	0.01
6.75	0.21	16.75	0.03	26.75	0.01	36.75	0.01
7.00	0.19	17.00	0.03	27.00	0.01	37.00	0.01
7.25	0.18	17.25	0.03	27.25	0.01	37.25	0.01
7.50	0.17	17.50	0.03	27.50	0.01	37.50	0.01
7.75	0.16	17.75	0.03	27.75	0.01	37.75	0.01
8.00	0.15	18.00	0.03	28.00	0.01	38.00	0.01
8.25	0.14	18.25	0.03	28.25	0.01	38.25	0.01
8.50	0.13	18.50	0.03	28.50	0.01	38.50	0.01
8.75	0.12	18.75	0.03	28.75	0.01	38.75	0.01
9.00	0.12	19.00	0.03	29.00	0.01	39.00	0.01
9.25	0.11	19.25	0.03	29.25	0.01	39.25	0.01
9.50	0.10	19.50	0.02	29.50	0.01	39.50	0.01
9.75	0.10	19.75	0.02	29.75	0.01	39.75	0.01
10.00	0.09	20.00	0.02	30.00	0.01	40.00	0.01

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 5 – 1%

SMART Meter Power Density Computer Modeling

(8 SMART Meters – 60% reflections)

Meters 8 Electric SMART Meters
Time Avg: 1% % Reflection 60%

Distance where limits are exceeded		
FCC ft. 0.12	1.44 Inches	
BioInitiative ft. 9.70	116.40 Inches	

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.01	54.25	0.00	68.25	0.00	82.25	0.00
40.50	0.01	54.50	0.00	68.50	0.00	82.50	0.00
40.75	0.01	54.75	0.00	68.75	0.00	82.75	0.00
41.00	0.01	55.00	0.00	69.00	0.00	83.00	0.00
41.25	0.01	55.25	0.00	69.25	0.00	83.25	0.00
41.50	0.01	55.50	0.00	69.50	0.00	83.50	0.00
41.75	0.01	55.75	0.00	69.75	0.00	83.75	0.00
42.00	0.01	56.00	0.00	70.00	0.00	84.00	0.00
42.25	0.01	56.25	0.00	70.25	0.00	84.25	0.00
42.50	0.01	56.50	0.00	70.50	0.00	84.50	0.00
42.75	0.01	56.75	0.00	70.75	0.00	84.75	0.00
43.00	0.01	57.00	0.00	71.00	0.00	85.00	0.00
43.25	0.01	57.25	0.00	71.25	0.00	85.25	0.00
43.50	0.00	57.50	0.00	71.50	0.00	85.50	0.00
43.75	0.00	57.75	0.00	71.75	0.00	85.75	0.00
44.00	0.00	58.00	0.00	72.00	0.00	86.00	0.00
44.25	0.00	58.25	0.00	72.25	0.00	86.25	0.00
44.50	0.00	58.50	0.00	72.50	0.00	86.50	0.00
44.75	0.00	58.75	0.00	72.75	0.00	86.75	0.00
45.00	0.00	59.00	0.00	73.00	0.00	87.00	0.00
45.25	0.00	59.25	0.00	73.25	0.00	87.25	0.00
45.50	0.00	59.50	0.00	73.50	0.00	87.50	0.00
45.75	0.00	59.75	0.00	73.75	0.00	87.75	0.00
46.00	0.00	60.00	0.00	74.00	0.00	88.00	0.00
46.25	0.00	60.25	0.00	74.25	0.00	88.25	0.00
46.50	0.00	60.50	0.00	74.50	0.00	88.50	0.00
46.75	0.00	60.75	0.00	74.75	0.00	88.75	0.00
47.00	0.00	61.00	0.00	75.00	0.00	89.00	0.00
47.25	0.00	61.25	0.00	75.25	0.00	89.25	0.00
47.50	0.00	61.50	0.00	75.50	0.00	89.50	0.00
47.75	0.00	61.75	0.00	75.75	0.00	89.75	0.00
48.00	0.00	62.00	0.00	76.00	0.00	90.00	0.00
48.25	0.00	62.25	0.00	76.25	0.00	90.25	0.00
48.50	0.00	62.50	0.00	76.50	0.00	90.50	0.00
48.75	0.00	62.75	0.00	76.75	0.00	90.75	0.00
49.00	0.00	63.00	0.00	77.00	0.00	91.00	0.00
49.25	0.00	63.25	0.00	77.25	0.00	91.25	0.00
49.50	0.00	63.50	0.00	77.50	0.00	91.50	0.00
49.75	0.00	63.75	0.00	77.75	0.00	91.75	0.00
50.00	0.00	64.00	0.00	78.00	0.00	92.00	0.00
50.25	0.00	64.25	0.00	78.25	0.00	92.25	0.00
50.50	0.00	64.50	0.00	78.50	0.00	92.50	0.00
50.75	0.00	64.75	0.00	78.75	0.00	92.75	0.00
51.00	0.00	65.00	0.00	79.00	0.00	93.00	0.00
51.25	0.00	65.25	0.00	79.25	0.00	93.25	0.00
51.50	0.00	65.50	0.00	79.50	0.00	93.50	0.00
51.75	0.00	65.75	0.00	79.75	0.00	93.75	0.00
52.00	0.00	66.00	0.00	80.00	0.00	94.00	0.00
52.25	0.00	66.25	0.00	80.25	0.00	94.25	0.00
52.50	0.00	66.50	0.00	80.50	0.00	94.50	0.00
52.75	0.00	66.75	0.00	80.75	0.00	94.75	0.00
53.00	0.00	67.00	0.00	81.00	0.00	95.00	0.00
53.25	0.00	67.25	0.00	81.25	0.00	95.25	0.00
53.50	0.00	67.50	0.00	81.50	0.00	95.50	0.00
53.75	0.00	67.75	0.00	81.75	0.00	95.75	0.00
54.00	0.00	68.00	0.00	82.00	0.00	96.00	0.00

Table 5 – 1%

SMART Meter Power Density Computer Modeling

(8 SMART Meters – 60% reflections)

Meters 8 Electric SMART Meters

Time Avg: 10% % Reflection 60%

Distance where limits are exceeded			
FCC ft.	0.29	3.4	Inches
BioInitiative ft.	30.70	368.4	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	753.56	10.25	0.90	20.25	0.23	30.25	0.10
0.50	301.42	10.50	0.85	20.50	0.22	30.50	0.10
0.75	150.71	10.75	0.81	20.75	0.22	30.75	0.10
1.00	88.65	11.00	0.78	21.00	0.21	31.00	0.10
1.25	57.97	11.25	0.74	21.25	0.21	31.25	0.10
1.50	40.73	11.50	0.71	21.50	0.20	31.50	0.09
1.75	30.14	11.75	0.68	21.75	0.20	31.75	0.09
2.00	23.19	12.00	0.65	22.00	0.19	32.00	0.09
2.25	18.38	12.25	0.63	22.25	0.19	32.25	0.09
2.50	14.92	12.50	0.60	22.50	0.19	32.50	0.09
2.75	12.35	12.75	0.58	22.75	0.18	32.75	0.09
3.00	10.39	13.00	0.56	23.00	0.18	33.00	0.09
3.25	8.87	13.25	0.54	23.25	0.17	33.25	0.09
3.50	7.65	13.50	0.52	23.50	0.17	33.50	0.08
3.75	6.67	13.75	0.50	23.75	0.17	33.75	0.08
4.00	5.86	14.00	0.48	24.00	0.16	34.00	0.08
4.25	5.20	14.25	0.46	24.25	0.16	34.25	0.08
4.50	4.64	14.50	0.45	24.50	0.16	34.50	0.08
4.75	4.16	14.75	0.43	24.75	0.15	34.75	0.08
5.00	3.76	15.00	0.42	25.00	0.15	35.00	0.08
5.25	3.41	15.25	0.40	25.25	0.15	35.25	0.08
5.50	3.11	15.50	0.39	25.50	0.14	35.50	0.07
5.75	2.84	15.75	0.38	25.75	0.14	35.75	0.07
6.00	2.61	16.00	0.37	26.00	0.14	36.00	0.07
6.25	2.41	16.25	0.36	26.25	0.14	36.25	0.07
6.50	2.23	16.50	0.35	26.50	0.13	36.50	0.07
6.75	2.06	16.75	0.34	26.75	0.13	36.75	0.07
7.00	1.92	17.00	0.33	27.00	0.13	37.00	0.07
7.25	1.79	17.25	0.32	27.25	0.13	37.25	0.07
7.50	1.67	17.50	0.31	27.50	0.12	37.50	0.07
7.75	1.57	17.75	0.30	27.75	0.12	37.75	0.07
8.00	1.47	18.00	0.29	28.00	0.12	38.00	0.07
8.25	1.38	18.25	0.28	28.25	0.12	38.25	0.06
8.50	1.30	18.50	0.28	28.50	0.12	38.50	0.06
8.75	1.23	18.75	0.27	28.75	0.11	38.75	0.06
9.00	1.16	19.00	0.26	29.00	0.11	39.00	0.06
9.25	1.10	19.25	0.25	29.25	0.11	39.25	0.06
9.50	1.04	19.50	0.25	29.50	0.11	39.50	0.06
9.75	0.99	19.75	0.24	29.75	0.11	39.75	0.06
10.00	0.94	20.00	0.24	30.00	0.10	40.00	0.06

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 5 – 10%

SMART Meter Power Density Computer Modeling

(8 SMART Meters – 60% reflections)

Meters 8 Electric SMART Meters
Time Avg: 10% % Reflection 60%

Distance where limits are exceeded			
FCC ft. 0.29		3.42 Inches	
BioInitiative ft. 30.70		368.40 Inches	

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.06	54.25	0.03	68.25	0.02	82.25	0.01
40.50	0.06	54.50	0.03	68.50	0.02	82.50	0.01
40.75	0.06	54.75	0.03	68.75	0.02	82.75	0.01
41.00	0.06	55.00	0.03	69.00	0.02	83.00	0.01
41.25	0.06	55.25	0.03	69.25	0.02	83.25	0.01
41.50	0.05	55.50	0.03	69.50	0.02	83.50	0.01
41.75	0.05	55.75	0.03	69.75	0.02	83.75	0.01
42.00	0.05	56.00	0.03	70.00	0.02	84.00	0.01
42.25	0.05	56.25	0.03	70.25	0.02	84.25	0.01
42.50	0.05	56.50	0.03	70.50	0.02	84.50	0.01
42.75	0.05	56.75	0.03	70.75	0.02	84.75	0.01
43.00	0.05	57.00	0.03	71.00	0.02	85.00	0.01
43.25	0.05	57.25	0.03	71.25	0.02	85.25	0.01
43.50	0.05	57.50	0.03	71.50	0.02	85.50	0.01
43.75	0.05	57.75	0.03	71.75	0.02	85.75	0.01
44.00	0.05	58.00	0.03	72.00	0.02	86.00	0.01
44.25	0.05	58.25	0.03	72.25	0.02	86.25	0.01
44.50	0.05	58.50	0.03	72.50	0.02	86.50	0.01
44.75	0.05	58.75	0.03	72.75	0.02	86.75	0.01
45.00	0.05	59.00	0.03	73.00	0.02	87.00	0.01
45.25	0.05	59.25	0.03	73.25	0.02	87.25	0.01
45.50	0.05	59.50	0.03	73.50	0.02	87.50	0.01
45.75	0.05	59.75	0.03	73.75	0.02	87.75	0.01
46.00	0.04	60.00	0.03	74.00	0.02	88.00	0.01
46.25	0.04	60.25	0.03	74.25	0.02	88.25	0.01
46.50	0.04	60.50	0.03	74.50	0.02	88.50	0.01
46.75	0.04	60.75	0.03	74.75	0.02	88.75	0.01
47.00	0.04	61.00	0.03	75.00	0.02	89.00	0.01
47.25	0.04	61.25	0.03	75.25	0.02	89.25	0.01
47.50	0.04	61.50	0.02	75.50	0.02	89.50	0.01
47.75	0.04	61.75	0.02	75.75	0.02	89.75	0.01
48.00	0.04	62.00	0.02	76.00	0.02	90.00	0.01
48.25	0.04	62.25	0.02	76.25	0.02	90.25	0.01
48.50	0.04	62.50	0.02	76.50	0.02	90.50	0.01
48.75	0.04	62.75	0.02	76.75	0.02	90.75	0.01
49.00	0.04	63.00	0.02	77.00	0.02	91.00	0.01
49.25	0.04	63.25	0.02	77.25	0.02	91.25	0.01
49.50	0.04	63.50	0.02	77.50	0.02	91.50	0.01
49.75	0.04	63.75	0.02	77.75	0.02	91.75	0.01
50.00	0.04	64.00	0.02	78.00	0.02	92.00	0.01
50.25	0.04	64.25	0.02	78.25	0.02	92.25	0.01
50.50	0.04	64.50	0.02	78.50	0.02	92.50	0.01
50.75	0.04	64.75	0.02	78.75	0.02	92.75	0.01
51.00	0.04	65.00	0.02	79.00	0.02	93.00	0.01
51.25	0.04	65.25	0.02	79.25	0.01	93.25	0.01
51.50	0.04	65.50	0.02	79.50	0.01	93.50	0.01
51.75	0.04	65.75	0.02	79.75	0.01	93.75	0.01
52.00	0.03	66.00	0.02	80.00	0.01	94.00	0.01
52.25	0.03	66.25	0.02	80.25	0.01	94.25	0.01
52.50	0.03	66.50	0.02	80.50	0.01	94.50	0.01
52.75	0.03	66.75	0.02	80.75	0.01	94.75	0.01
53.00	0.03	67.00	0.02	81.00	0.01	95.00	0.01
53.25	0.03	67.25	0.02	81.25	0.01	95.25	0.01
53.50	0.03	67.50	0.02	81.50	0.01	95.50	0.01
53.75	0.03	67.75	0.02	81.75	0.01	95.75	0.01
54.00	0.03	68.00	0.02	82.00	0.01	96.00	0.01

Table 5 – 10%

SMART Meter Power Density Computer Modeling

(8 SMART Meters – 60% reflections)

Meters 8 Electric SMART Meters

Time Avg: 20% % Reflection 60%

Distance where limits are exceeded			
FCC ft.	0.47	5.7	Inches
BioInitiative ft.	43.50	522.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	1507.12	10.25	1.79	20.25	0.46	30.25	0.21
0.50	602.85	10.50	1.71	20.50	0.45	30.50	0.20
0.75	301.42	10.75	1.63	20.75	0.44	30.75	0.20
1.00	177.31	11.00	1.56	21.00	0.43	31.00	0.20
1.25	115.93	11.25	1.49	21.25	0.42	31.25	0.19
1.50	81.47	11.50	1.42	21.50	0.41	31.50	0.19
1.75	60.28	11.75	1.36	21.75	0.40	31.75	0.19
2.00	46.37	12.00	1.31	22.00	0.39	32.00	0.18
2.25	36.76	12.25	1.25	22.25	0.38	32.25	0.18
2.50	29.84	12.50	1.21	22.50	0.37	32.50	0.18
2.75	24.71	12.75	1.16	22.75	0.36	32.75	0.18
3.00	20.79	13.00	1.11	23.00	0.36	33.00	0.17
3.25	17.73	13.25	1.07	23.25	0.35	33.25	0.17
3.50	15.30	13.50	1.03	23.50	0.34	33.50	0.17
3.75	13.34	13.75	1.00	23.75	0.33	33.75	0.17
4.00	11.73	14.00	0.96	24.00	0.33	34.00	0.16
4.25	10.39	14.25	0.93	24.25	0.32	34.25	0.16
4.50	9.27	14.50	0.90	24.50	0.31	34.50	0.16
4.75	8.33	14.75	0.87	24.75	0.31	34.75	0.16
5.00	7.52	15.00	0.84	25.00	0.30	35.00	0.15
5.25	6.82	15.25	0.81	25.25	0.30	35.25	0.15
5.50	6.21	15.50	0.78	25.50	0.29	35.50	0.15
5.75	5.69	15.75	0.76	25.75	0.28	35.75	0.15
6.00	5.22	16.00	0.74	26.00	0.28	36.00	0.15
6.25	4.82	16.25	0.71	26.25	0.27	36.25	0.14
6.50	4.45	16.50	0.69	26.50	0.27	36.50	0.14
6.75	4.13	16.75	0.67	26.75	0.26	36.75	0.14
7.00	3.84	17.00	0.65	27.00	0.26	37.00	0.14
7.25	3.58	17.25	0.63	27.25	0.25	37.25	0.14
7.50	3.35	17.50	0.62	27.50	0.25	37.50	0.13
7.75	3.13	17.75	0.60	27.75	0.24	37.75	0.13
8.00	2.94	18.00	0.58	28.00	0.24	38.00	0.13
8.25	2.77	18.25	0.57	28.25	0.24	38.25	0.13
8.50	2.61	18.50	0.55	28.50	0.23	38.50	0.13
8.75	2.46	18.75	0.54	28.75	0.23	38.75	0.13
9.00	2.32	19.00	0.52	29.00	0.22	39.00	0.12
9.25	2.20	19.25	0.51	29.25	0.22	39.25	0.12
9.50	2.09	19.50	0.50	29.50	0.22	39.50	0.12
9.75	1.98	19.75	0.48	29.75	0.21	39.75	0.12
10.00	1.88	20.00	0.47	30.00	0.21	40.00	0.12

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 5 – 20%

SMART Meter Power Density Computer Modeling

(8 SMART Meters – 60% reflections)

Meters 8 Electric SMART Meters
Time Avg: 20% % Reflection 60%

Distance where limits are exceeded			
FCC ft. 0.47		5.70 Inches	
BioInitiative ft. 43.50		522.00 Inches	

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.12	54.25	0.06	68.25	0.04	82.25	0.03
40.50	0.11	54.50	0.06	68.50	0.04	82.50	0.03
40.75	0.11	54.75	0.06	68.75	0.04	82.75	0.03
41.00	0.11	55.00	0.06	69.00	0.04	83.00	0.03
41.25	0.11	55.25	0.06	69.25	0.04	83.25	0.03
41.50	0.11	55.50	0.06	69.50	0.04	83.50	0.03
41.75	0.11	55.75	0.06	69.75	0.04	83.75	0.03
42.00	0.11	56.00	0.06	70.00	0.04	84.00	0.03
42.25	0.11	56.25	0.06	70.25	0.04	84.25	0.03
42.50	0.10	56.50	0.06	70.50	0.04	84.50	0.03
42.75	0.10	56.75	0.06	70.75	0.04	84.75	0.03
43.00	0.10	57.00	0.06	71.00	0.04	85.00	0.03
43.25	0.10	57.25	0.06	71.25	0.04	85.25	0.03
43.50	0.10	57.50	0.06	71.50	0.04	85.50	0.03
43.75	0.10	57.75	0.06	71.75	0.04	85.75	0.03
44.00	0.10	58.00	0.06	72.00	0.04	86.00	0.03
44.25	0.10	58.25	0.06	72.25	0.04	86.25	0.03
44.50	0.10	58.50	0.06	72.50	0.04	86.50	0.03
44.75	0.09	58.75	0.05	72.75	0.04	86.75	0.03
45.00	0.09	59.00	0.05	73.00	0.04	87.00	0.02
45.25	0.09	59.25	0.05	73.25	0.04	87.25	0.02
45.50	0.09	59.50	0.05	73.50	0.03	87.50	0.02
45.75	0.09	59.75	0.05	73.75	0.03	87.75	0.02
46.00	0.09	60.00	0.05	74.00	0.03	88.00	0.02
46.25	0.09	60.25	0.05	74.25	0.03	88.25	0.02
46.50	0.09	60.50	0.05	74.50	0.03	88.50	0.02
46.75	0.09	60.75	0.05	74.75	0.03	88.75	0.02
47.00	0.09	61.00	0.05	75.00	0.03	89.00	0.02
47.25	0.08	61.25	0.05	75.25	0.03	89.25	0.02
47.50	0.08	61.50	0.05	75.50	0.03	89.50	0.02
47.75	0.08	61.75	0.05	75.75	0.03	89.75	0.02
48.00	0.08	62.00	0.05	76.00	0.03	90.00	0.02
48.25	0.08	62.25	0.05	76.25	0.03	90.25	0.02
48.50	0.08	62.50	0.05	76.50	0.03	90.50	0.02
48.75	0.08	62.75	0.05	76.75	0.03	90.75	0.02
49.00	0.08	63.00	0.05	77.00	0.03	91.00	0.02
49.25	0.08	63.25	0.05	77.25	0.03	91.25	0.02
49.50	0.08	63.50	0.05	77.50	0.03	91.50	0.02
49.75	0.08	63.75	0.05	77.75	0.03	91.75	0.02
50.00	0.08	64.00	0.05	78.00	0.03	92.00	0.02
50.25	0.07	64.25	0.05	78.25	0.03	92.25	0.02
50.50	0.07	64.50	0.05	78.50	0.03	92.50	0.02
50.75	0.07	64.75	0.04	78.75	0.03	92.75	0.02
51.00	0.07	65.00	0.04	79.00	0.03	93.00	0.02
51.25	0.07	65.25	0.04	79.25	0.03	93.25	0.02
51.50	0.07	65.50	0.04	79.50	0.03	93.50	0.02
51.75	0.07	65.75	0.04	79.75	0.03	93.75	0.02
52.00	0.07	66.00	0.04	80.00	0.03	94.00	0.02
52.25	0.07	66.25	0.04	80.25	0.03	94.25	0.02
52.50	0.07	66.50	0.04	80.50	0.03	94.50	0.02
52.75	0.07	66.75	0.04	80.75	0.03	94.75	0.02
53.00	0.07	67.00	0.04	81.00	0.03	95.00	0.02
53.25	0.07	67.25	0.04	81.25	0.03	95.25	0.02
53.50	0.07	67.50	0.04	81.50	0.03	95.50	0.02
53.75	0.07	67.75	0.04	81.75	0.03	95.75	0.02
54.00	0.06	68.00	0.04	82.00	0.03	96.00	0.02

Table 5 – 20%

SMART Meter Power Density Computer Modeling

(8 SMART Meters – 60% reflections)

Meters 8 Electric SMART Meters

Time Avg: 30% % Reflection 60%

Distance where limits are exceeded			
FCC ft.	0.61	7.3	Inches
BioInitiative ft.	53.20	638.4	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	2260.69	10.25	2.69	20.25	0.69	30.25	0.31
0.50	904.27	10.50	2.56	20.50	0.67	30.50	0.30
0.75	452.14	10.75	2.44	20.75	0.66	30.75	0.30
1.00	265.96	11.00	2.33	21.00	0.64	31.00	0.29
1.25	173.90	11.25	2.23	21.25	0.63	31.25	0.29
1.50	122.20	11.50	2.14	21.50	0.61	31.50	0.28
1.75	90.43	11.75	2.05	21.75	0.60	31.75	0.28
2.00	69.56	12.00	1.96	22.00	0.58	32.00	0.28
2.25	55.14	12.25	1.88	22.25	0.57	32.25	0.27
2.50	44.77	12.50	1.81	22.50	0.56	32.50	0.27
2.75	37.06	12.75	1.74	22.75	0.55	32.75	0.26
3.00	31.18	13.00	1.67	23.00	0.53	33.00	0.26
3.25	26.60	13.25	1.61	23.25	0.52	33.25	0.26
3.50	22.95	13.50	1.55	23.50	0.51	33.50	0.25
3.75	20.01	13.75	1.49	23.75	0.50	33.75	0.25
4.00	17.59	14.00	1.44	24.00	0.49	34.00	0.24
4.25	15.59	14.25	1.39	24.25	0.48	34.25	0.24
4.50	13.91	14.50	1.34	24.50	0.47	34.50	0.24
4.75	12.49	14.75	1.30	24.75	0.46	34.75	0.23
5.00	11.28	15.00	1.26	25.00	0.45	35.00	0.23
5.25	10.23	15.25	1.21	25.25	0.44	35.25	0.23
5.50	9.32	15.50	1.18	25.50	0.43	35.50	0.22
5.75	8.53	15.75	1.14	25.75	0.43	35.75	0.22
6.00	7.84	16.00	1.10	26.00	0.42	36.00	0.22
6.25	7.22	16.25	1.07	26.25	0.41	36.25	0.22
6.50	6.68	16.50	1.04	26.50	0.40	36.50	0.21
6.75	6.19	16.75	1.01	26.75	0.39	36.75	0.21
7.00	5.76	17.00	0.98	27.00	0.39	37.00	0.21
7.25	5.37	17.25	0.95	27.25	0.38	37.25	0.20
7.50	5.02	17.50	0.92	27.50	0.37	37.50	0.20
7.75	4.70	17.75	0.90	27.75	0.37	37.75	0.20
8.00	4.41	18.00	0.87	28.00	0.36	38.00	0.20
8.25	4.15	18.25	0.85	28.25	0.35	38.25	0.19
8.50	3.91	18.50	0.83	28.50	0.35	38.50	0.19
8.75	3.69	18.75	0.80	28.75	0.34	38.75	0.19
9.00	3.49	19.00	0.78	29.00	0.34	39.00	0.19
9.25	3.30	19.25	0.76	29.25	0.33	39.25	0.18
9.50	3.13	19.50	0.74	29.50	0.32	39.50	0.18
9.75	2.97	19.75	0.72	29.75	0.32	39.75	0.18
10.00	2.82	20.00	0.71	30.00	0.31	40.00	0.18

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 5 – 30%

SMART Meter Power Density Computer Modeling

(8 SMART Meters – 60% reflections)

Meters 8 Electric SMART Meters
Time Avg: 30% % Reflection 60%

Distance where limits are exceeded			
FCC ft. 0.61		7.29 Inches	
BioInitiative ft. 53.20		638.40 Inches	

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.17	54.25	0.10	68.25	0.06	82.25	0.04
40.50	0.17	54.50	0.10	68.50	0.06	82.50	0.04
40.75	0.17	54.75	0.09	68.75	0.06	82.75	0.04
41.00	0.17	55.00	0.09	69.00	0.06	83.00	0.04
41.25	0.17	55.25	0.09	69.25	0.06	83.25	0.04
41.50	0.16	55.50	0.09	69.50	0.06	83.50	0.04
41.75	0.16	55.75	0.09	69.75	0.06	83.75	0.04
42.00	0.16	56.00	0.09	70.00	0.06	84.00	0.04
42.25	0.16	56.25	0.09	70.25	0.06	84.25	0.04
42.50	0.16	56.50	0.09	70.50	0.06	84.50	0.04
42.75	0.15	56.75	0.09	70.75	0.06	84.75	0.04
43.00	0.15	57.00	0.09	71.00	0.06	85.00	0.04
43.25	0.15	57.25	0.09	71.25	0.06	85.25	0.04
43.50	0.15	57.50	0.09	71.50	0.06	85.50	0.04
43.75	0.15	57.75	0.08	71.75	0.05	85.75	0.04
44.00	0.15	58.00	0.08	72.00	0.05	86.00	0.04
44.25	0.14	58.25	0.08	72.25	0.05	86.25	0.04
44.50	0.14	58.50	0.08	72.50	0.05	86.50	0.04
44.75	0.14	58.75	0.08	72.75	0.05	86.75	0.04
45.00	0.14	59.00	0.08	73.00	0.05	87.00	0.04
45.25	0.14	59.25	0.08	73.25	0.05	87.25	0.04
45.50	0.14	59.50	0.08	73.50	0.05	87.50	0.04
45.75	0.14	59.75	0.08	73.75	0.05	87.75	0.04
46.00	0.13	60.00	0.08	74.00	0.05	88.00	0.04
46.25	0.13	60.25	0.08	74.25	0.05	88.25	0.04
46.50	0.13	60.50	0.08	74.50	0.05	88.50	0.04
46.75	0.13	60.75	0.08	74.75	0.05	88.75	0.04
47.00	0.13	61.00	0.08	75.00	0.05	89.00	0.04
47.25	0.13	61.25	0.08	75.25	0.05	89.25	0.04
47.50	0.13	61.50	0.07	75.50	0.05	89.50	0.04
47.75	0.12	61.75	0.07	75.75	0.05	89.75	0.04
48.00	0.12	62.00	0.07	76.00	0.05	90.00	0.03
48.25	0.12	62.25	0.07	76.25	0.05	90.25	0.03
48.50	0.12	62.50	0.07	76.50	0.05	90.50	0.03
48.75	0.12	62.75	0.07	76.75	0.05	90.75	0.03
49.00	0.12	63.00	0.07	77.00	0.05	91.00	0.03
49.25	0.12	63.25	0.07	77.25	0.05	91.25	0.03
49.50	0.12	63.50	0.07	77.50	0.05	91.50	0.03
49.75	0.11	63.75	0.07	77.75	0.05	91.75	0.03
50.00	0.11	64.00	0.07	78.00	0.05	92.00	0.03
50.25	0.11	64.25	0.07	78.25	0.05	92.25	0.03
50.50	0.11	64.50	0.07	78.50	0.05	92.50	0.03
50.75	0.11	64.75	0.07	78.75	0.05	92.75	0.03
51.00	0.11	65.00	0.07	79.00	0.05	93.00	0.03
51.25	0.11	65.25	0.07	79.25	0.04	93.25	0.03
51.50	0.11	65.50	0.07	79.50	0.04	93.50	0.03
51.75	0.11	65.75	0.07	79.75	0.04	93.75	0.03
52.00	0.10	66.00	0.06	80.00	0.04	94.00	0.03
52.25	0.10	66.25	0.06	80.25	0.04	94.25	0.03
52.50	0.10	66.50	0.06	80.50	0.04	94.50	0.03
52.75	0.10	66.75	0.06	80.75	0.04	94.75	0.03
53.00	0.10	67.00	0.06	81.00	0.04	95.00	0.03
53.25	0.10	67.25	0.06	81.25	0.04	95.25	0.03
53.50	0.10	67.50	0.06	81.50	0.04	95.50	0.03
53.75	0.10	67.75	0.06	81.75	0.04	95.75	0.03
54.00	0.10	68.00	0.06	82.00	0.04	96.00	0.03

Table 5 – 30%

SMART Meter Power Density Computer Modeling

(8 SMART Meters – 60% reflections)

Meters 8 Electric SMART Meters

Time Avg: 40% % Reflection 60%

Distance where limits are exceeded			
FCC ft.	0.72	8.6	Inches
BioInitiative ft.	61.30	735.6	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	3014.25	10.25	3.58	20.25	0.92	30.25	0.41
0.50	1205.70	10.50	3.42	20.50	0.90	30.50	0.41
0.75	602.85	10.75	3.26	20.75	0.87	30.75	0.40
1.00	354.62	11.00	3.11	21.00	0.85	31.00	0.39
1.25	231.87	11.25	2.98	21.25	0.83	31.25	0.39
1.50	162.93	11.50	2.85	21.50	0.81	31.50	0.38
1.75	120.57	11.75	2.73	21.75	0.80	31.75	0.37
2.00	92.75	12.00	2.62	22.00	0.78	32.00	0.37
2.25	73.52	12.25	2.51	22.25	0.76	32.25	0.36
2.50	59.69	12.50	2.41	22.50	0.74	32.50	0.36
2.75	49.41	12.75	2.32	22.75	0.73	32.75	0.35
3.00	41.58	13.00	2.23	23.00	0.71	33.00	0.35
3.25	35.46	13.25	2.15	23.25	0.70	33.25	0.34
3.50	30.60	13.50	2.07	23.50	0.68	33.50	0.34
3.75	26.67	13.75	1.99	23.75	0.67	33.75	0.33
4.00	23.46	14.00	1.92	24.00	0.65	34.00	0.33
4.25	20.79	14.25	1.85	24.25	0.64	34.25	0.32
4.50	18.55	14.50	1.79	24.50	0.63	34.50	0.32
4.75	16.65	14.75	1.73	24.75	0.62	34.75	0.31
5.00	15.03	15.00	1.67	25.00	0.60	35.00	0.31
5.25	13.64	15.25	1.62	25.25	0.59	35.25	0.30
5.50	12.43	15.50	1.57	25.50	0.58	35.50	0.30
5.75	11.37	15.75	1.52	25.75	0.57	35.75	0.29
6.00	10.45	16.00	1.47	26.00	0.56	36.00	0.29
6.25	9.63	16.25	1.43	26.25	0.55	36.25	0.29
6.50	8.90	16.50	1.38	26.50	0.54	36.50	0.28
6.75	8.26	16.75	1.34	26.75	0.53	36.75	0.28
7.00	7.68	17.00	1.30	27.00	0.52	37.00	0.28
7.25	7.16	17.25	1.27	27.25	0.51	37.25	0.27
7.50	6.69	17.50	1.23	27.50	0.50	37.50	0.27
7.75	6.27	17.75	1.20	27.75	0.49	37.75	0.26
8.00	5.88	18.00	1.16	28.00	0.48	38.00	0.26
8.25	5.53	18.25	1.13	28.25	0.47	38.25	0.26
8.50	5.21	18.50	1.10	28.50	0.46	38.50	0.25
8.75	4.92	18.75	1.07	28.75	0.46	38.75	0.25
9.00	4.65	19.00	1.04	29.00	0.45	39.00	0.25
9.25	4.40	19.25	1.02	29.25	0.44	39.25	0.24
9.50	4.17	19.50	0.99	29.50	0.43	39.50	0.24
9.75	3.96	19.75	0.97	29.75	0.43	39.75	0.24
10.00	3.77	20.00	0.94	30.00	0.42	40.00	0.24

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 5 – 40%

SMART Meter Power Density Computer Modeling

(8 SMART Meters – 60% reflections)

Meters 8 Electric SMART Meters
Time Avg: 40% % Reflection 60%

Distance where limits are exceeded			
FCC ft. 0.72		8.60 Inches	
BioInitiative ft. 61.30		735.60 Inches	

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.23	54.25	0.13	68.25	0.08	82.25	0.06
40.50	0.23	54.50	0.13	68.50	0.08	82.50	0.06
40.75	0.23	54.75	0.13	68.75	0.08	82.75	0.06
41.00	0.22	55.00	0.12	69.00	0.08	83.00	0.05
41.25	0.22	55.25	0.12	69.25	0.08	83.25	0.05
41.50	0.22	55.50	0.12	69.50	0.08	83.50	0.05
41.75	0.22	55.75	0.12	69.75	0.08	83.75	0.05
42.00	0.21	56.00	0.12	70.00	0.08	84.00	0.05
42.25	0.21	56.25	0.12	70.25	0.08	84.25	0.05
42.50	0.21	56.50	0.12	70.50	0.08	84.50	0.05
42.75	0.21	56.75	0.12	70.75	0.08	84.75	0.05
43.00	0.20	57.00	0.12	71.00	0.07	85.00	0.05
43.25	0.20	57.25	0.11	71.25	0.07	85.25	0.05
43.50	0.20	57.50	0.11	71.50	0.07	85.50	0.05
43.75	0.20	57.75	0.11	71.75	0.07	85.75	0.05
44.00	0.19	58.00	0.11	72.00	0.07	86.00	0.05
44.25	0.19	58.25	0.11	72.25	0.07	86.25	0.05
44.50	0.19	58.50	0.11	72.50	0.07	86.50	0.05
44.75	0.19	58.75	0.11	72.75	0.07	86.75	0.05
45.00	0.19	59.00	0.11	73.00	0.07	87.00	0.05
45.25	0.18	59.25	0.11	73.25	0.07	87.25	0.05
45.50	0.18	59.50	0.11	73.50	0.07	87.50	0.05
45.75	0.18	59.75	0.11	73.75	0.07	87.75	0.05
46.00	0.18	60.00	0.10	74.00	0.07	88.00	0.05
46.25	0.18	60.25	0.10	74.25	0.07	88.25	0.05
46.50	0.17	60.50	0.10	74.50	0.07	88.50	0.05
46.75	0.17	60.75	0.10	74.75	0.07	88.75	0.05
47.00	0.17	61.00	0.10	75.00	0.07	89.00	0.05
47.25	0.17	61.25	0.10	75.25	0.07	89.25	0.05
47.50	0.17	61.50	0.10	75.50	0.07	89.50	0.05
47.75	0.17	61.75	0.10	75.75	0.07	89.75	0.05
48.00	0.16	62.00	0.10	76.00	0.07	90.00	0.05
48.25	0.16	62.25	0.10	76.25	0.06	90.25	0.05
48.50	0.16	62.50	0.10	76.50	0.06	90.50	0.05
48.75	0.16	62.75	0.10	76.75	0.06	90.75	0.05
49.00	0.16	63.00	0.09	77.00	0.06	91.00	0.05
49.25	0.16	63.25	0.09	77.25	0.06	91.25	0.05
49.50	0.15	63.50	0.09	77.50	0.06	91.50	0.05
49.75	0.15	63.75	0.09	77.75	0.06	91.75	0.04
50.00	0.15	64.00	0.09	78.00	0.06	92.00	0.04
50.25	0.15	64.25	0.09	78.25	0.06	92.25	0.04
50.50	0.15	64.50	0.09	78.50	0.06	92.50	0.04
50.75	0.15	64.75	0.09	78.75	0.06	92.75	0.04
51.00	0.14	65.00	0.09	79.00	0.06	93.00	0.04
51.25	0.14	65.25	0.09	79.25	0.06	93.25	0.04
51.50	0.14	65.50	0.09	79.50	0.06	93.50	0.04
51.75	0.14	65.75	0.09	79.75	0.06	93.75	0.04
52.00	0.14	66.00	0.09	80.00	0.06	94.00	0.04
52.25	0.14	66.25	0.09	80.25	0.06	94.25	0.04
52.50	0.14	66.50	0.09	80.50	0.06	94.50	0.04
52.75	0.14	66.75	0.08	80.75	0.06	94.75	0.04
53.00	0.13	67.00	0.08	81.00	0.06	95.00	0.04
53.25	0.13	67.25	0.08	81.25	0.06	95.25	0.04
53.50	0.13	67.50	0.08	81.50	0.06	95.50	0.04
53.75	0.13	67.75	0.08	81.75	0.06	95.75	0.04
54.00	0.13	68.00	0.08	82.00	0.06	96.00	0.04

Table 5 – 40%

SMART Meter Power Density Computer Modeling

(8 SMART Meters – 60% reflections)

Meters 8 Electric SMART Meters

Time Avg: 50% % Reflection 60%

Distance where limits are exceeded			
FCC ft.	0.81	9.7	Inches
BioInitiative ft.	68.50	822.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	3767.81	10.25	4.48	20.25	1.15	30.25	0.51
0.50	1507.12	10.50	4.27	20.50	1.12	30.50	0.51
0.75	753.56	10.75	4.07	20.75	1.09	30.75	0.50
1.00	443.27	11.00	3.89	21.00	1.07	31.00	0.49
1.25	289.83	11.25	3.72	21.25	1.04	31.25	0.48
1.50	203.67	11.50	3.56	21.50	1.02	31.50	0.47
1.75	150.71	11.75	3.41	21.75	1.00	31.75	0.47
2.00	115.93	12.00	3.27	22.00	0.97	32.00	0.46
2.25	91.90	12.25	3.14	22.25	0.95	32.25	0.45
2.50	74.61	12.50	3.01	22.50	0.93	32.50	0.45
2.75	61.77	12.75	2.90	22.75	0.91	32.75	0.44
3.00	51.97	13.00	2.79	23.00	0.89	33.00	0.43
3.25	44.33	13.25	2.68	23.25	0.87	33.25	0.43
3.50	38.25	13.50	2.58	23.50	0.85	33.50	0.42
3.75	33.34	13.75	2.49	23.75	0.83	33.75	0.41
4.00	29.32	14.00	2.40	24.00	0.82	34.00	0.41
4.25	25.98	14.25	2.32	24.25	0.80	34.25	0.40
4.50	23.19	14.50	2.24	24.50	0.78	34.50	0.40
4.75	20.82	14.75	2.16	24.75	0.77	34.75	0.39
5.00	18.79	15.00	2.09	25.00	0.75	35.00	0.38
5.25	17.05	15.25	2.02	25.25	0.74	35.25	0.38
5.50	15.54	15.50	1.96	25.50	0.72	35.50	0.37
5.75	14.22	15.75	1.90	25.75	0.71	35.75	0.37
6.00	13.06	16.00	1.84	26.00	0.70	36.00	0.36
6.25	12.04	16.25	1.78	26.25	0.68	36.25	0.36
6.50	11.13	16.50	1.73	26.50	0.67	36.50	0.35
6.75	10.32	16.75	1.68	26.75	0.66	36.75	0.35
7.00	9.60	17.00	1.63	27.00	0.65	37.00	0.34
7.25	8.95	17.25	1.58	27.25	0.63	37.25	0.34
7.50	8.36	17.50	1.54	27.50	0.62	37.50	0.33
7.75	7.83	17.75	1.49	27.75	0.61	37.75	0.33
8.00	7.35	18.00	1.45	28.00	0.60	38.00	0.33
8.25	6.91	18.25	1.41	28.25	0.59	38.25	0.32
8.50	6.51	18.50	1.38	28.50	0.58	38.50	0.32
8.75	6.15	18.75	1.34	28.75	0.57	38.75	0.31
9.00	5.81	19.00	1.30	29.00	0.56	39.00	0.31
9.25	5.50	19.25	1.27	29.25	0.55	39.25	0.31
9.50	5.21	19.50	1.24	29.50	0.54	39.50	0.30
9.75	4.95	19.75	1.21	29.75	0.53	39.75	0.30
10.00	4.71	20.00	1.18	30.00	0.52	40.00	0.29

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 5 – 50%

SMART Meter Power Density Computer Modeling

(8 SMART Meters – 60% reflections)

Meters 8 Electric SMART Meters
Time Avg: 50% % Reflection 60%

Distance where limits are exceeded			
FCC ft.	0.81	9.73	Inches
BioInitiative ft.	68.50	822.00	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.29	54.25	0.16	68.25	0.10	82.25	0.07
40.50	0.29	54.50	0.16	68.50	0.10	82.50	0.07
40.75	0.28	54.75	0.16	68.75	0.10	82.75	0.07
41.00	0.28	55.00	0.16	69.00	0.10	83.00	0.07
41.25	0.28	55.25	0.15	69.25	0.10	83.25	0.07
41.50	0.27	55.50	0.15	69.50	0.10	83.50	0.07
41.75	0.27	55.75	0.15	69.75	0.10	83.75	0.07
42.00	0.27	56.00	0.15	70.00	0.10	84.00	0.07
42.25	0.26	56.25	0.15	70.25	0.10	84.25	0.07
42.50	0.26	56.50	0.15	70.50	0.09	84.50	0.07
42.75	0.26	56.75	0.15	70.75	0.09	84.75	0.07
43.00	0.25	57.00	0.14	71.00	0.09	85.00	0.07
43.25	0.25	57.25	0.14	71.25	0.09	85.25	0.06
43.50	0.25	57.50	0.14	71.50	0.09	85.50	0.06
43.75	0.25	57.75	0.14	71.75	0.09	85.75	0.06
44.00	0.24	58.00	0.14	72.00	0.09	86.00	0.06
44.25	0.24	58.25	0.14	72.25	0.09	86.25	0.06
44.50	0.24	58.50	0.14	72.50	0.09	86.50	0.06
44.75	0.24	58.75	0.14	72.75	0.09	86.75	0.06
45.00	0.23	59.00	0.14	73.00	0.09	87.00	0.06
45.25	0.23	59.25	0.13	73.25	0.09	87.25	0.06
45.50	0.23	59.50	0.13	73.50	0.09	87.50	0.06
45.75	0.23	59.75	0.13	73.75	0.09	87.75	0.06
46.00	0.22	60.00	0.13	74.00	0.09	88.00	0.06
46.25	0.22	60.25	0.13	74.25	0.09	88.25	0.06
46.50	0.22	60.50	0.13	74.50	0.08	88.50	0.06
46.75	0.22	60.75	0.13	74.75	0.08	88.75	0.06
47.00	0.21	61.00	0.13	75.00	0.08	89.00	0.06
47.25	0.21	61.25	0.13	75.25	0.08	89.25	0.06
47.50	0.21	61.50	0.12	75.50	0.08	89.50	0.06
47.75	0.21	61.75	0.12	75.75	0.08	89.75	0.06
48.00	0.20	62.00	0.12	76.00	0.08	90.00	0.06
48.25	0.20	62.25	0.12	76.25	0.08	90.25	0.06
48.50	0.20	62.50	0.12	76.50	0.08	90.50	0.06
48.75	0.20	62.75	0.12	76.75	0.08	90.75	0.06
49.00	0.20	63.00	0.12	77.00	0.08	91.00	0.06
49.25	0.19	63.25	0.12	77.25	0.08	91.25	0.06
49.50	0.19	63.50	0.12	77.50	0.08	91.50	0.06
49.75	0.19	63.75	0.12	77.75	0.08	91.75	0.06
50.00	0.19	64.00	0.11	78.00	0.08	92.00	0.06
50.25	0.19	64.25	0.11	78.25	0.08	92.25	0.06
50.50	0.18	64.50	0.11	78.50	0.08	92.50	0.06
50.75	0.18	64.75	0.11	78.75	0.08	92.75	0.05
51.00	0.18	65.00	0.11	79.00	0.08	93.00	0.05
51.25	0.18	65.25	0.11	79.25	0.07	93.25	0.05
51.50	0.18	65.50	0.11	79.50	0.07	93.50	0.05
51.75	0.18	65.75	0.11	79.75	0.07	93.75	0.05
52.00	0.17	66.00	0.11	80.00	0.07	94.00	0.05
52.25	0.17	66.25	0.11	80.25	0.07	94.25	0.05
52.50	0.17	66.50	0.11	80.50	0.07	94.50	0.05
52.75	0.17	66.75	0.11	80.75	0.07	94.75	0.05
53.00	0.17	67.00	0.10	81.00	0.07	95.00	0.05
53.25	0.17	67.25	0.10	81.25	0.07	95.25	0.05
53.50	0.16	67.50	0.10	81.50	0.07	95.50	0.05
53.75	0.16	67.75	0.10	81.75	0.07	95.75	0.05
54.00	0.16	68.00	0.10	82.00	0.07	96.00	0.05

Table 5 – 50%

SMART Meter Power Density Computer Modeling

(8 SMART Meters – 60% reflections)

Meters 8 Electric SMART Meters

Time Avg: 60% % Reflection 60%

Distance where limits are exceeded			
FCC ft.	0.90	10.7	Inches
BioInitiative ft.	75.00	900.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	4521.37	10.25	5.38	20.25	1.38	30.25	0.62
0.50	1808.55	10.50	5.12	20.50	1.34	30.50	0.61
0.75	904.27	10.75	4.89	20.75	1.31	30.75	0.60
1.00	531.93	11.00	4.67	21.00	1.28	31.00	0.59
1.25	347.80	11.25	4.46	21.25	1.25	31.25	0.58
1.50	244.40	11.50	4.27	21.50	1.22	31.50	0.57
1.75	180.85	11.75	4.09	21.75	1.19	31.75	0.56
2.00	139.12	12.00	3.92	22.00	1.17	32.00	0.55
2.25	110.28	12.25	3.76	22.25	1.14	32.25	0.54
2.50	89.53	12.50	3.62	22.50	1.12	32.50	0.54
2.75	74.12	12.75	3.48	22.75	1.09	32.75	0.53
3.00	62.36	13.00	3.34	23.00	1.07	33.00	0.52
3.25	53.19	13.25	3.22	23.25	1.05	33.25	0.51
3.50	45.90	13.50	3.10	23.50	1.02	33.50	0.50
3.75	40.01	13.75	2.99	23.75	1.00	33.75	0.50
4.00	35.19	14.00	2.88	24.00	0.98	34.00	0.49
4.25	31.18	14.25	2.78	24.25	0.96	34.25	0.48
4.50	27.82	14.50	2.69	24.50	0.94	34.50	0.47
4.75	24.98	14.75	2.60	24.75	0.92	34.75	0.47
5.00	22.55	15.00	2.51	25.00	0.90	35.00	0.46
5.25	20.46	15.25	2.43	25.25	0.89	35.25	0.45
5.50	18.64	15.50	2.35	25.50	0.87	35.50	0.45
5.75	17.06	15.75	2.28	25.75	0.85	35.75	0.44
6.00	15.67	16.00	2.21	26.00	0.84	36.00	0.44
6.25	14.45	16.25	2.14	26.25	0.82	36.25	0.43
6.50	13.36	16.50	2.08	26.50	0.80	36.50	0.42
6.75	12.39	16.75	2.01	26.75	0.79	36.75	0.42
7.00	11.52	17.00	1.96	27.00	0.78	37.00	0.41
7.25	10.74	17.25	1.90	27.25	0.76	37.25	0.41
7.50	10.04	17.50	1.85	27.50	0.75	37.50	0.40
7.75	9.40	17.75	1.79	27.75	0.73	37.75	0.40
8.00	8.82	18.00	1.74	28.00	0.72	38.00	0.39
8.25	8.30	18.25	1.70	28.25	0.71	38.25	0.39
8.50	7.82	18.50	1.65	28.50	0.70	38.50	0.38
8.75	7.38	18.75	1.61	28.75	0.68	38.75	0.38
9.00	6.97	19.00	1.57	29.00	0.67	39.00	0.37
9.25	6.60	19.25	1.52	29.25	0.66	39.25	0.37
9.50	6.26	19.50	1.49	29.50	0.65	39.50	0.36
9.75	5.94	19.75	1.45	29.75	0.64	39.75	0.36
10.00	5.65	20.00	1.41	30.00	0.63	40.00	0.35

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 5 – 60%

SMART Meter Power Density Computer Modeling

(8 SMART Meters – 60% reflections)

Meters 8 Electric SMART Meters
Time Avg: 60% % Reflection 60%

Distance where limits are exceeded			
FCC ft.	0.90	10.74	Inches
BioInitiative ft.	75.00	900.00	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.35	54.25	0.19	68.25	0.12	82.25	0.08
40.50	0.34	54.50	0.19	68.50	0.12	82.50	0.08
40.75	0.34	54.75	0.19	68.75	0.12	82.75	0.08
41.00	0.34	55.00	0.19	69.00	0.12	83.00	0.08
41.25	0.33	55.25	0.19	69.25	0.12	83.25	0.08
41.50	0.33	55.50	0.18	69.50	0.12	83.50	0.08
41.75	0.32	55.75	0.18	69.75	0.12	83.75	0.08
42.00	0.32	56.00	0.18	70.00	0.12	84.00	0.08
42.25	0.32	56.25	0.18	70.25	0.11	84.25	0.08
42.50	0.31	56.50	0.18	70.50	0.11	84.50	0.08
42.75	0.31	56.75	0.18	70.75	0.11	84.75	0.08
43.00	0.31	57.00	0.17	71.00	0.11	85.00	0.08
43.25	0.30	57.25	0.17	71.25	0.11	85.25	0.08
43.50	0.30	57.50	0.17	71.50	0.11	85.50	0.08
43.75	0.30	57.75	0.17	71.75	0.11	85.75	0.08
44.00	0.29	58.00	0.17	72.00	0.11	86.00	0.08
44.25	0.29	58.25	0.17	72.25	0.11	86.25	0.08
44.50	0.29	58.50	0.17	72.50	0.11	86.50	0.08
44.75	0.28	58.75	0.16	72.75	0.11	86.75	0.08
45.00	0.28	59.00	0.16	73.00	0.11	87.00	0.07
45.25	0.28	59.25	0.16	73.25	0.11	87.25	0.07
45.50	0.27	59.50	0.16	73.50	0.10	87.50	0.07
45.75	0.27	59.75	0.16	73.75	0.10	87.75	0.07
46.00	0.27	60.00	0.16	74.00	0.10	88.00	0.07
46.25	0.26	60.25	0.16	74.25	0.10	88.25	0.07
46.50	0.26	60.50	0.15	74.50	0.10	88.50	0.07
46.75	0.26	60.75	0.15	74.75	0.10	88.75	0.07
47.00	0.26	61.00	0.15	75.00	0.10	89.00	0.07
47.25	0.25	61.25	0.15	75.25	0.10	89.25	0.07
47.50	0.25	61.50	0.15	75.50	0.10	89.50	0.07
47.75	0.25	61.75	0.15	75.75	0.10	89.75	0.07
48.00	0.25	62.00	0.15	76.00	0.10	90.00	0.07
48.25	0.24	62.25	0.15	76.25	0.10	90.25	0.07
48.50	0.24	62.50	0.14	76.50	0.10	90.50	0.07
48.75	0.24	62.75	0.14	76.75	0.10	90.75	0.07
49.00	0.24	63.00	0.14	77.00	0.10	91.00	0.07
49.25	0.23	63.25	0.14	77.25	0.09	91.25	0.07
49.50	0.23	63.50	0.14	77.50	0.09	91.50	0.07
49.75	0.23	63.75	0.14	77.75	0.09	91.75	0.07
50.00	0.23	64.00	0.14	78.00	0.09	92.00	0.07
50.25	0.22	64.25	0.14	78.25	0.09	92.25	0.07
50.50	0.22	64.50	0.14	78.50	0.09	92.50	0.07
50.75	0.22	64.75	0.13	78.75	0.09	92.75	0.07
51.00	0.22	65.00	0.13	79.00	0.09	93.00	0.07
51.25	0.22	65.25	0.13	79.25	0.09	93.25	0.06
51.50	0.21	65.50	0.13	79.50	0.09	93.50	0.06
51.75	0.21	65.75	0.13	79.75	0.09	93.75	0.06
52.00	0.21	66.00	0.13	80.00	0.09	94.00	0.06
52.25	0.21	66.25	0.13	80.25	0.09	94.25	0.06
52.50	0.21	66.50	0.13	80.50	0.09	94.50	0.06
52.75	0.20	66.75	0.13	80.75	0.09	94.75	0.06
53.00	0.20	67.00	0.13	81.00	0.09	95.00	0.06
53.25	0.20	67.25	0.12	81.25	0.09	95.25	0.06
53.50	0.20	67.50	0.12	81.50	0.09	95.50	0.06
53.75	0.20	67.75	0.12	81.75	0.08	95.75	0.06
54.00	0.19	68.00	0.12	82.00	0.08	96.00	0.06

Table 5 – 60%

SMART Meter Power Density Computer Modeling

(8 SMART Meters – 60% reflections)

Meters 8 Electric SMART Meters

Time Avg: 70% % Reflection 60%

Distance where limits are exceeded			
FCC ft.	0.97	11.7	Inches
BioInitiative ft.	81.00	972.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	5274.93	10.25	6.27	20.25	1.61	30.25	0.72
0.50	2109.97	10.50	5.98	20.50	1.57	30.50	0.71
0.75	1054.99	10.75	5.70	20.75	1.53	30.75	0.70
1.00	620.58	11.00	5.45	21.00	1.49	31.00	0.69
1.25	405.76	11.25	5.21	21.25	1.46	31.25	0.68
1.50	285.13	11.50	4.98	21.50	1.43	31.50	0.66
1.75	211.00	11.75	4.77	21.75	1.39	31.75	0.65
2.00	162.31	12.00	4.58	22.00	1.36	32.00	0.64
2.25	128.66	12.25	4.39	22.25	1.33	32.25	0.63
2.50	104.45	12.50	4.22	22.50	1.30	32.50	0.62
2.75	86.47	12.75	4.05	22.75	1.27	32.75	0.61
3.00	72.76	13.00	3.90	23.00	1.25	33.00	0.61
3.25	62.06	13.25	3.75	23.25	1.22	33.25	0.60
3.50	53.55	13.50	3.62	23.50	1.19	33.50	0.59
3.75	46.68	13.75	3.49	23.75	1.17	33.75	0.58
4.00	41.05	14.00	3.36	24.00	1.14	34.00	0.57
4.25	36.38	14.25	3.25	24.25	1.12	34.25	0.56
4.50	32.46	14.50	3.14	24.50	1.10	34.50	0.55
4.75	29.14	14.75	3.03	24.75	1.08	34.75	0.55
5.00	26.31	15.00	2.93	25.00	1.05	35.00	0.54
5.25	23.87	15.25	2.83	25.25	1.03	35.25	0.53
5.50	21.75	15.50	2.74	25.50	1.01	35.50	0.52
5.75	19.91	15.75	2.66	25.75	0.99	35.75	0.52
6.00	18.28	16.00	2.58	26.00	0.98	36.00	0.51
6.25	16.85	16.25	2.50	26.25	0.96	36.25	0.50
6.50	15.58	16.50	2.42	26.50	0.94	36.50	0.49
6.75	14.45	16.75	2.35	26.75	0.92	36.75	0.49
7.00	13.44	17.00	2.28	27.00	0.90	37.00	0.48
7.25	12.53	17.25	2.22	27.25	0.89	37.25	0.48
7.50	11.71	17.50	2.15	27.50	0.87	37.50	0.47
7.75	10.97	17.75	2.09	27.75	0.86	37.75	0.46
8.00	10.29	18.00	2.03	28.00	0.84	38.00	0.46
8.25	9.68	18.25	1.98	28.25	0.83	38.25	0.45
8.50	9.12	18.50	1.93	28.50	0.81	38.50	0.44
8.75	8.61	18.75	1.88	28.75	0.80	38.75	0.44
9.00	8.13	19.00	1.83	29.00	0.78	39.00	0.43
9.25	7.70	19.25	1.78	29.25	0.77	39.25	0.43
9.50	7.30	19.50	1.73	29.50	0.76	39.50	0.42
9.75	6.93	19.75	1.69	29.75	0.74	39.75	0.42
10.00	6.59	20.00	1.65	30.00	0.73	40.00	0.41

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 5 – 70%

SMART Meter Power Density Computer Modeling

(8 SMART Meters – 60% reflections)

Meters 8 Electric SMART Meters
Time Avg: 70% % Reflection 60%

Distance where limits are exceeded			
FCC ft. 0.97		11.67 Inches	
BioInitiative ft. 81.00		972.00 Inches	

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.41	54.25	0.22	68.25	0.14	82.25	0.10
40.50	0.40	54.50	0.22	68.50	0.14	82.50	0.10
40.75	0.40	54.75	0.22	68.75	0.14	82.75	0.10
41.00	0.39	55.00	0.22	69.00	0.14	83.00	0.10
41.25	0.39	55.25	0.22	69.25	0.14	83.25	0.10
41.50	0.38	55.50	0.21	69.50	0.14	83.50	0.09
41.75	0.38	55.75	0.21	69.75	0.14	83.75	0.09
42.00	0.37	56.00	0.21	70.00	0.13	84.00	0.09
42.25	0.37	56.25	0.21	70.25	0.13	84.25	0.09
42.50	0.37	56.50	0.21	70.50	0.13	84.50	0.09
42.75	0.36	56.75	0.20	70.75	0.13	84.75	0.09
43.00	0.36	57.00	0.20	71.00	0.13	85.00	0.09
43.25	0.35	57.25	0.20	71.25	0.13	85.25	0.09
43.50	0.35	57.50	0.20	71.50	0.13	85.50	0.09
43.75	0.34	57.75	0.20	71.75	0.13	85.75	0.09
44.00	0.34	58.00	0.20	72.00	0.13	86.00	0.09
44.25	0.34	58.25	0.19	72.25	0.13	86.25	0.09
44.50	0.33	58.50	0.19	72.50	0.13	86.50	0.09
44.75	0.33	58.75	0.19	72.75	0.12	86.75	0.09
45.00	0.33	59.00	0.19	73.00	0.12	87.00	0.09
45.25	0.32	59.25	0.19	73.25	0.12	87.25	0.09
45.50	0.32	59.50	0.19	73.50	0.12	87.50	0.09
45.75	0.32	59.75	0.18	73.75	0.12	87.75	0.09
46.00	0.31	60.00	0.18	74.00	0.12	88.00	0.09
46.25	0.31	60.25	0.18	74.25	0.12	88.25	0.08
46.50	0.30	60.50	0.18	74.50	0.12	88.50	0.08
46.75	0.30	60.75	0.18	74.75	0.12	88.75	0.08
47.00	0.30	61.00	0.18	75.00	0.12	89.00	0.08
47.25	0.30	61.25	0.18	75.25	0.12	89.25	0.08
47.50	0.29	61.50	0.17	75.50	0.12	89.50	0.08
47.75	0.29	61.75	0.17	75.75	0.11	89.75	0.08
48.00	0.29	62.00	0.17	76.00	0.11	90.00	0.08
48.25	0.28	62.25	0.17	76.25	0.11	90.25	0.08
48.50	0.28	62.50	0.17	76.50	0.11	90.50	0.08
48.75	0.28	62.75	0.17	76.75	0.11	90.75	0.08
49.00	0.27	63.00	0.17	77.00	0.11	91.00	0.08
49.25	0.27	63.25	0.16	77.25	0.11	91.25	0.08
49.50	0.27	63.50	0.16	77.50	0.11	91.50	0.08
49.75	0.27	63.75	0.16	77.75	0.11	91.75	0.08
50.00	0.26	64.00	0.16	78.00	0.11	92.00	0.08
50.25	0.26	64.25	0.16	78.25	0.11	92.25	0.08
50.50	0.26	64.50	0.16	78.50	0.11	92.50	0.08
50.75	0.26	64.75	0.16	78.75	0.11	92.75	0.08
51.00	0.25	65.00	0.16	79.00	0.11	93.00	0.08
51.25	0.25	65.25	0.15	79.25	0.10	93.25	0.08
51.50	0.25	65.50	0.15	79.50	0.10	93.50	0.08
51.75	0.25	65.75	0.15	79.75	0.10	93.75	0.08
52.00	0.24	66.00	0.15	80.00	0.10	94.00	0.07
52.25	0.24	66.25	0.15	80.25	0.10	94.25	0.07
52.50	0.24	66.50	0.15	80.50	0.10	94.50	0.07
52.75	0.24	66.75	0.15	80.75	0.10	94.75	0.07
53.00	0.23	67.00	0.15	81.00	0.10	95.00	0.07
53.25	0.23	67.25	0.15	81.25	0.10	95.25	0.07
53.50	0.23	67.50	0.14	81.50	0.10	95.50	0.07
53.75	0.23	67.75	0.14	81.75	0.10	95.75	0.07
54.00	0.23	68.00	0.14	82.00	0.10	96.00	0.07

Table 5 – 70%

SMART Meter Power Density Computer Modeling

(8 SMART Meters – 60% reflections)

Meters 8 Electric SMART Meters

Time Avg: 80% % Reflection 60%

Distance where limits are exceeded			
FCC ft.	1.04	12.5	Inches
BioInitiative ft.	87.00	1044.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	6028.50	10.25	7.17	20.25	1.84	30.25	0.82
0.50	2411.40	10.50	6.83	20.50	1.79	30.50	0.81
0.75	1205.70	10.75	6.52	20.75	1.75	30.75	0.80
1.00	709.23	11.00	6.22	21.00	1.71	31.00	0.78
1.25	463.73	11.25	5.95	21.25	1.67	31.25	0.77
1.50	325.86	11.50	5.70	21.50	1.63	31.50	0.76
1.75	241.14	11.75	5.46	21.75	1.59	31.75	0.75
2.00	185.49	12.00	5.23	22.00	1.56	32.00	0.74
2.25	147.04	12.25	5.02	22.25	1.52	32.25	0.72
2.50	119.38	12.50	4.82	22.50	1.49	32.50	0.71
2.75	98.83	12.75	4.63	22.75	1.46	32.75	0.70
3.00	83.15	13.00	4.46	23.00	1.42	33.00	0.69
3.25	70.92	13.25	4.29	23.25	1.39	33.25	0.68
3.50	61.20	13.50	4.13	23.50	1.36	33.50	0.67
3.75	53.35	13.75	3.98	23.75	1.34	33.75	0.66
4.00	46.91	14.00	3.84	24.00	1.31	34.00	0.65
4.25	41.58	14.25	3.71	24.25	1.28	34.25	0.64
4.50	37.10	14.50	3.58	24.50	1.26	34.50	0.63
4.75	33.31	14.75	3.46	24.75	1.23	34.75	0.62
5.00	30.07	15.00	3.35	25.00	1.21	35.00	0.62
5.25	27.28	15.25	3.24	25.25	1.18	35.25	0.61
5.50	24.86	15.50	3.14	25.50	1.16	35.50	0.60
5.75	22.75	15.75	3.04	25.75	1.14	35.75	0.59
6.00	20.90	16.00	2.94	26.00	1.11	36.00	0.58
6.25	19.26	16.25	2.85	26.25	1.09	36.25	0.57
6.50	17.81	16.50	2.77	26.50	1.07	36.50	0.57
6.75	16.52	16.75	2.69	26.75	1.05	36.75	0.56
7.00	15.36	17.00	2.61	27.00	1.03	37.00	0.55
7.25	14.32	17.25	2.53	27.25	1.01	37.25	0.54
7.50	13.38	17.50	2.46	27.50	1.00	37.50	0.54
7.75	12.53	17.75	2.39	27.75	0.98	37.75	0.53
8.00	11.76	18.00	2.33	28.00	0.96	38.00	0.52
8.25	11.06	18.25	2.26	28.25	0.94	38.25	0.52
8.50	10.42	18.50	2.20	28.50	0.93	38.50	0.51
8.75	9.83	18.75	2.14	28.75	0.91	38.75	0.50
9.00	9.30	19.00	2.09	29.00	0.90	39.00	0.50
9.25	8.80	19.25	2.03	29.25	0.88	39.25	0.49
9.50	8.34	19.50	1.98	29.50	0.87	39.50	0.48
9.75	7.92	19.75	1.93	29.75	0.85	39.75	0.48
10.00	7.53	20.00	1.88	30.00	0.84	40.00	0.47

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 5 – 80%

SMART Meter Power Density Computer Modeling

(8 SMART Meters – 60% reflections)

Meters 8 Electric SMART Meters
Time Avg: 80% % Reflection 60%

Distance where limits are exceeded			
FCC ft.	1.04	12.52	Inches
BioInitiative ft.	87.00	1044.00	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.47	54.25	0.26	68.25	0.16	82.25	0.11
40.50	0.46	54.50	0.25	68.50	0.16	82.50	0.11
40.75	0.45	54.75	0.25	68.75	0.16	82.75	0.11
41.00	0.45	55.00	0.25	69.00	0.16	83.00	0.11
41.25	0.44	55.25	0.25	69.25	0.16	83.25	0.11
41.50	0.44	55.50	0.24	69.50	0.16	83.50	0.11
41.75	0.43	55.75	0.24	69.75	0.15	83.75	0.11
42.00	0.43	56.00	0.24	70.00	0.15	84.00	0.11
42.25	0.42	56.25	0.24	70.25	0.15	84.25	0.11
42.50	0.42	56.50	0.24	70.50	0.15	84.50	0.11
42.75	0.41	56.75	0.23	70.75	0.15	84.75	0.10
43.00	0.41	57.00	0.23	71.00	0.15	85.00	0.10
43.25	0.40	57.25	0.23	71.25	0.15	85.25	0.10
43.50	0.40	57.50	0.23	71.50	0.15	85.50	0.10
43.75	0.39	57.75	0.23	71.75	0.15	85.75	0.10
44.00	0.39	58.00	0.22	72.00	0.15	86.00	0.10
44.25	0.38	58.25	0.22	72.25	0.14	86.25	0.10
44.50	0.38	58.50	0.22	72.50	0.14	86.50	0.10
44.75	0.38	58.75	0.22	72.75	0.14	86.75	0.10
45.00	0.37	59.00	0.22	73.00	0.14	87.00	0.10
45.25	0.37	59.25	0.21	73.25	0.14	87.25	0.10
45.50	0.36	59.50	0.21	73.50	0.14	87.50	0.10
45.75	0.36	59.75	0.21	73.75	0.14	87.75	0.10
46.00	0.36	60.00	0.21	74.00	0.14	88.00	0.10
46.25	0.35	60.25	0.21	74.25	0.14	88.25	0.10
46.50	0.35	60.50	0.21	74.50	0.14	88.50	0.10
46.75	0.34	60.75	0.20	74.75	0.13	88.75	0.10
47.00	0.34	61.00	0.20	75.00	0.13	89.00	0.10
47.25	0.34	61.25	0.20	75.25	0.13	89.25	0.09
47.50	0.33	61.50	0.20	75.50	0.13	89.50	0.09
47.75	0.33	61.75	0.20	75.75	0.13	89.75	0.09
48.00	0.33	62.00	0.20	76.00	0.13	90.00	0.09
48.25	0.32	62.25	0.19	76.25	0.13	90.25	0.09
48.50	0.32	62.50	0.19	76.50	0.13	90.50	0.09
48.75	0.32	62.75	0.19	76.75	0.13	90.75	0.09
49.00	0.31	63.00	0.19	77.00	0.13	91.00	0.09
49.25	0.31	63.25	0.19	77.25	0.13	91.25	0.09
49.50	0.31	63.50	0.19	77.50	0.13	91.50	0.09
49.75	0.30	63.75	0.19	77.75	0.12	91.75	0.09
50.00	0.30	64.00	0.18	78.00	0.12	92.00	0.09
50.25	0.30	64.25	0.18	78.25	0.12	92.25	0.09
50.50	0.30	64.50	0.18	78.50	0.12	92.50	0.09
50.75	0.29	64.75	0.18	78.75	0.12	92.75	0.09
51.00	0.29	65.00	0.18	79.00	0.12	93.00	0.09
51.25	0.29	65.25	0.18	79.25	0.12	93.25	0.09
51.50	0.28	65.50	0.18	79.50	0.12	93.50	0.09
51.75	0.28	65.75	0.17	79.75	0.12	93.75	0.09
52.00	0.28	66.00	0.17	80.00	0.12	94.00	0.09
52.25	0.28	66.25	0.17	80.25	0.12	94.25	0.08
52.50	0.27	66.50	0.17	80.50	0.12	94.50	0.08
52.75	0.27	66.75	0.17	80.75	0.12	94.75	0.08
53.00	0.27	67.00	0.17	81.00	0.11	95.00	0.08
53.25	0.27	67.25	0.17	81.25	0.11	95.25	0.08
53.50	0.26	67.50	0.17	81.50	0.11	95.50	0.08
53.75	0.26	67.75	0.16	81.75	0.11	95.75	0.08
54.00	0.26	68.00	0.16	82.00	0.11	96.00	0.08

Table 5 – 80%

SMART Meter Power Density Computer Modeling

(8 SMART Meters – 60% reflections)

Meters 8 Electric SMART Meters

Time Avg: 90% % Reflection 60%

Distance where limits are exceeded			
FCC ft.	1.11	13.3	Inches
BioInitiative ft.	92.00	1104.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	6782.06	10.25	8.06	20.25	2.07	30.25	0.93
0.50	2712.82	10.50	7.69	20.50	2.02	30.50	0.91
0.75	1356.41	10.75	7.33	20.75	1.97	30.75	0.90
1.00	797.89	11.00	7.00	21.00	1.92	31.00	0.88
1.25	521.70	11.25	6.70	21.25	1.88	31.25	0.87
1.50	366.60	11.50	6.41	21.50	1.83	31.50	0.85
1.75	271.28	11.75	6.14	21.75	1.79	31.75	0.84
2.00	208.68	12.00	5.88	22.00	1.75	32.00	0.83
2.25	165.42	12.25	5.65	22.25	1.71	32.25	0.82
2.50	134.30	12.50	5.42	22.50	1.67	32.50	0.80
2.75	111.18	12.75	5.21	22.75	1.64	32.75	0.79
3.00	93.55	13.00	5.01	23.00	1.60	33.00	0.78
3.25	79.79	13.25	4.83	23.25	1.57	33.25	0.77
3.50	68.85	13.50	4.65	23.50	1.53	33.50	0.76
3.75	60.02	13.75	4.48	23.75	1.50	33.75	0.74
4.00	52.78	14.00	4.32	24.00	1.47	34.00	0.73
4.25	46.77	14.25	4.17	24.25	1.44	34.25	0.72
4.50	41.74	14.50	4.03	24.50	1.41	34.50	0.71
4.75	37.47	14.75	3.90	24.75	1.38	34.75	0.70
5.00	33.83	15.00	3.77	25.00	1.36	35.00	0.69
5.25	30.69	15.25	3.64	25.25	1.33	35.25	0.68
5.50	27.97	15.50	3.53	25.50	1.30	35.50	0.67
5.75	25.59	15.75	3.42	25.75	1.28	35.75	0.66
6.00	23.51	16.00	3.31	26.00	1.25	36.00	0.65
6.25	21.67	16.25	3.21	26.25	1.23	36.25	0.65
6.50	20.04	16.50	3.11	26.50	1.21	36.50	0.64
6.75	18.58	16.75	3.02	26.75	1.18	36.75	0.63
7.00	17.28	17.00	2.93	27.00	1.16	37.00	0.62
7.25	16.11	17.25	2.85	27.25	1.14	37.25	0.61
7.50	15.05	17.50	2.77	27.50	1.12	37.50	0.60
7.75	14.10	17.75	2.69	27.75	1.10	37.75	0.59
8.00	13.23	18.00	2.62	28.00	1.08	38.00	0.59
8.25	12.44	18.25	2.54	28.25	1.06	38.25	0.58
8.50	11.72	18.50	2.48	28.50	1.04	38.50	0.57
8.75	11.06	18.75	2.41	28.75	1.03	38.75	0.56
9.00	10.46	19.00	2.35	29.00	1.01	39.00	0.56
9.25	9.90	19.25	2.29	29.25	0.99	39.25	0.55
9.50	9.39	19.50	2.23	29.50	0.97	39.50	0.54
9.75	8.91	19.75	2.17	29.75	0.96	39.75	0.54
10.00	8.47	20.00	2.12	30.00	0.94	40.00	0.53

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 5 – 90%

SMART Meter Power Density Computer Modeling

(8 SMART Meters – 60% reflections)

Meters 8 Electric SMART Meters
Time Avg: 90% % Reflection 60%

Distance where limits are exceeded
FCC ft. 1.11 13.32 Inches
BioInitiative ft. 92.00 1104.00 Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.52	54.25	0.29	68.25	0.18	82.25	0.13
40.50	0.52	54.50	0.29	68.50	0.18	82.50	0.12
40.75	0.51	54.75	0.28	68.75	0.18	82.75	0.12
41.00	0.50	55.00	0.28	69.00	0.18	83.00	0.12
41.25	0.50	55.25	0.28	69.25	0.18	83.25	0.12
41.50	0.49	55.50	0.28	69.50	0.18	83.50	0.12
41.75	0.49	55.75	0.27	69.75	0.17	83.75	0.12
42.00	0.48	56.00	0.27	70.00	0.17	84.00	0.12
42.25	0.47	56.25	0.27	70.25	0.17	84.25	0.12
42.50	0.47	56.50	0.27	70.50	0.17	84.50	0.12
42.75	0.46	56.75	0.26	70.75	0.17	84.75	0.12
43.00	0.46	57.00	0.26	71.00	0.17	85.00	0.12
43.25	0.45	57.25	0.26	71.25	0.17	85.25	0.12
43.50	0.45	57.50	0.26	71.50	0.17	85.50	0.12
43.75	0.44	57.75	0.25	71.75	0.16	85.75	0.12
44.00	0.44	58.00	0.25	72.00	0.16	86.00	0.11
44.25	0.43	58.25	0.25	72.25	0.16	86.25	0.11
44.50	0.43	58.50	0.25	72.50	0.16	86.50	0.11
44.75	0.42	58.75	0.25	72.75	0.16	86.75	0.11
45.00	0.42	59.00	0.24	73.00	0.16	87.00	0.11
45.25	0.41	59.25	0.24	73.25	0.16	87.25	0.11
45.50	0.41	59.50	0.24	73.50	0.16	87.50	0.11
45.75	0.41	59.75	0.24	73.75	0.16	87.75	0.11
46.00	0.40	60.00	0.24	74.00	0.15	88.00	0.11
46.25	0.40	60.25	0.23	74.25	0.15	88.25	0.11
46.50	0.39	60.50	0.23	74.50	0.15	88.50	0.11
46.75	0.39	60.75	0.23	74.75	0.15	88.75	0.11
47.00	0.38	61.00	0.23	75.00	0.15	89.00	0.11
47.25	0.38	61.25	0.23	75.25	0.15	89.25	0.11
47.50	0.38	61.50	0.22	75.50	0.15	89.50	0.11
47.75	0.37	61.75	0.22	75.75	0.15	89.75	0.11
48.00	0.37	62.00	0.22	76.00	0.15	90.00	0.10
48.25	0.36	62.25	0.22	76.25	0.15	90.25	0.10
48.50	0.36	62.50	0.22	76.50	0.14	90.50	0.10
48.75	0.36	62.75	0.22	76.75	0.14	90.75	0.10
49.00	0.35	63.00	0.21	77.00	0.14	91.00	0.10
49.25	0.35	63.25	0.21	77.25	0.14	91.25	0.10
49.50	0.35	63.50	0.21	77.50	0.14	91.50	0.10
49.75	0.34	63.75	0.21	77.75	0.14	91.75	0.10
50.00	0.34	64.00	0.21	78.00	0.14	92.00	0.10
50.25	0.34	64.25	0.21	78.25	0.14	92.25	0.10
50.50	0.33	64.50	0.20	78.50	0.14	92.50	0.10
50.75	0.33	64.75	0.20	78.75	0.14	92.75	0.10
51.00	0.33	65.00	0.20	79.00	0.14	93.00	0.10
51.25	0.32	65.25	0.20	79.25	0.13	93.25	0.10
51.50	0.32	65.50	0.20	79.50	0.13	93.50	0.10
51.75	0.32	65.75	0.20	79.75	0.13	93.75	0.10
52.00	0.31	66.00	0.19	80.00	0.13	94.00	0.10
52.25	0.31	66.25	0.19	80.25	0.13	94.25	0.10
52.50	0.31	66.50	0.19	80.50	0.13	94.50	0.09
52.75	0.30	66.75	0.19	80.75	0.13	94.75	0.09
53.00	0.30	67.00	0.19	81.00	0.13	95.00	0.09
53.25	0.30	67.25	0.19	81.25	0.13	95.25	0.09
53.50	0.30	67.50	0.19	81.50	0.13	95.50	0.09
53.75	0.29	67.75	0.18	81.75	0.13	95.75	0.09
54.00	0.29	68.00	0.18	82.00	0.13	96.00	0.09

Table 5 – 90%

SMART Meter Power Density Computer Modeling

(8 SMART Meters – 100% reflections)

Meters 8 Electric SMART Meters

Time Avg: 1% % Reflection 100%

Distance where limits are exceeded			
FCC ft.	0.15	1.8	Inches
BioInitiative ft.	12.10	145.2	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	117.74	10.25	0.14	20.25	0.04	30.25	0.02
0.50	47.10	10.50	0.13	20.50	0.04	30.50	0.02
0.75	23.55	10.75	0.13	20.75	0.03	30.75	0.02
1.00	13.85	11.00	0.12	21.00	0.03	31.00	0.02
1.25	9.06	11.25	0.12	21.25	0.03	31.25	0.02
1.50	6.36	11.50	0.11	21.50	0.03	31.50	0.01
1.75	4.71	11.75	0.11	21.75	0.03	31.75	0.01
2.00	3.62	12.00	0.10	22.00	0.03	32.00	0.01
2.25	2.87	12.25	0.10	22.25	0.03	32.25	0.01
2.50	2.33	12.50	0.09	22.50	0.03	32.50	0.01
2.75	1.93	12.75	0.09	22.75	0.03	32.75	0.01
3.00	1.62	13.00	0.09	23.00	0.03	33.00	0.01
3.25	1.39	13.25	0.08	23.25	0.03	33.25	0.01
3.50	1.20	13.50	0.08	23.50	0.03	33.50	0.01
3.75	1.04	13.75	0.08	23.75	0.03	33.75	0.01
4.00	0.92	14.00	0.08	24.00	0.03	34.00	0.01
4.25	0.81	14.25	0.07	24.25	0.03	34.25	0.01
4.50	0.72	14.50	0.07	24.50	0.02	34.50	0.01
4.75	0.65	14.75	0.07	24.75	0.02	34.75	0.01
5.00	0.59	15.00	0.07	25.00	0.02	35.00	0.01
5.25	0.53	15.25	0.06	25.25	0.02	35.25	0.01
5.50	0.49	15.50	0.06	25.50	0.02	35.50	0.01
5.75	0.44	15.75	0.06	25.75	0.02	35.75	0.01
6.00	0.41	16.00	0.06	26.00	0.02	36.00	0.01
6.25	0.38	16.25	0.06	26.25	0.02	36.25	0.01
6.50	0.35	16.50	0.05	26.50	0.02	36.50	0.01
6.75	0.32	16.75	0.05	26.75	0.02	36.75	0.01
7.00	0.30	17.00	0.05	27.00	0.02	37.00	0.01
7.25	0.28	17.25	0.05	27.25	0.02	37.25	0.01
7.50	0.26	17.50	0.05	27.50	0.02	37.50	0.01
7.75	0.24	17.75	0.05	27.75	0.02	37.75	0.01
8.00	0.23	18.00	0.05	28.00	0.02	38.00	0.01
8.25	0.22	18.25	0.04	28.25	0.02	38.25	0.01
8.50	0.20	18.50	0.04	28.50	0.02	38.50	0.01
8.75	0.19	18.75	0.04	28.75	0.02	38.75	0.01
9.00	0.18	19.00	0.04	29.00	0.02	39.00	0.01
9.25	0.17	19.25	0.04	29.25	0.02	39.25	0.01
9.50	0.16	19.50	0.04	29.50	0.02	39.50	0.01
9.75	0.15	19.75	0.04	29.75	0.02	39.75	0.01
10.00	0.15	20.00	0.04	30.00	0.02	40.00	0.01

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 6 – 1%

SMART Meter Power Density Computer Modeling

(8 SMART Meters – 100% reflections)

Meters 8 Electric SMART Meters

Time Avg: 1% % Reflection 100%

Distance where limits are exceeded		
FCC ft. 0.15	1.80 Inches	
BioInitiative ft. 12.10	145.20 Inches	

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.01	54.25	0.01	68.25	0.00	82.25	0.00
40.50	0.01	54.50	0.00	68.50	0.00	82.50	0.00
40.75	0.01	54.75	0.00	68.75	0.00	82.75	0.00
41.00	0.01	55.00	0.00	69.00	0.00	83.00	0.00
41.25	0.01	55.25	0.00	69.25	0.00	83.25	0.00
41.50	0.01	55.50	0.00	69.50	0.00	83.50	0.00
41.75	0.01	55.75	0.00	69.75	0.00	83.75	0.00
42.00	0.01	56.00	0.00	70.00	0.00	84.00	0.00
42.25	0.01	56.25	0.00	70.25	0.00	84.25	0.00
42.50	0.01	56.50	0.00	70.50	0.00	84.50	0.00
42.75	0.01	56.75	0.00	70.75	0.00	84.75	0.00
43.00	0.01	57.00	0.00	71.00	0.00	85.00	0.00
43.25	0.01	57.25	0.00	71.25	0.00	85.25	0.00
43.50	0.01	57.50	0.00	71.50	0.00	85.50	0.00
43.75	0.01	57.75	0.00	71.75	0.00	85.75	0.00
44.00	0.01	58.00	0.00	72.00	0.00	86.00	0.00
44.25	0.01	58.25	0.00	72.25	0.00	86.25	0.00
44.50	0.01	58.50	0.00	72.50	0.00	86.50	0.00
44.75	0.01	58.75	0.00	72.75	0.00	86.75	0.00
45.00	0.01	59.00	0.00	73.00	0.00	87.00	0.00
45.25	0.01	59.25	0.00	73.25	0.00	87.25	0.00
45.50	0.01	59.50	0.00	73.50	0.00	87.50	0.00
45.75	0.01	59.75	0.00	73.75	0.00	87.75	0.00
46.00	0.01	60.00	0.00	74.00	0.00	88.00	0.00
46.25	0.01	60.25	0.00	74.25	0.00	88.25	0.00
46.50	0.01	60.50	0.00	74.50	0.00	88.50	0.00
46.75	0.01	60.75	0.00	74.75	0.00	88.75	0.00
47.00	0.01	61.00	0.00	75.00	0.00	89.00	0.00
47.25	0.01	61.25	0.00	75.25	0.00	89.25	0.00
47.50	0.01	61.50	0.00	75.50	0.00	89.50	0.00
47.75	0.01	61.75	0.00	75.75	0.00	89.75	0.00
48.00	0.01	62.00	0.00	76.00	0.00	90.00	0.00
48.25	0.01	62.25	0.00	76.25	0.00	90.25	0.00
48.50	0.01	62.50	0.00	76.50	0.00	90.50	0.00
48.75	0.01	62.75	0.00	76.75	0.00	90.75	0.00
49.00	0.01	63.00	0.00	77.00	0.00	91.00	0.00
49.25	0.01	63.25	0.00	77.25	0.00	91.25	0.00
49.50	0.01	63.50	0.00	77.50	0.00	91.50	0.00
49.75	0.01	63.75	0.00	77.75	0.00	91.75	0.00
50.00	0.01	64.00	0.00	78.00	0.00	92.00	0.00
50.25	0.01	64.25	0.00	78.25	0.00	92.25	0.00
50.50	0.01	64.50	0.00	78.50	0.00	92.50	0.00
50.75	0.01	64.75	0.00	78.75	0.00	92.75	0.00
51.00	0.01	65.00	0.00	79.00	0.00	93.00	0.00
51.25	0.01	65.25	0.00	79.25	0.00	93.25	0.00
51.50	0.01	65.50	0.00	79.50	0.00	93.50	0.00
51.75	0.01	65.75	0.00	79.75	0.00	93.75	0.00
52.00	0.01	66.00	0.00	80.00	0.00	94.00	0.00
52.25	0.01	66.25	0.00	80.25	0.00	94.25	0.00
52.50	0.01	66.50	0.00	80.50	0.00	94.50	0.00
52.75	0.01	66.75	0.00	80.75	0.00	94.75	0.00
53.00	0.01	67.00	0.00	81.00	0.00	95.00	0.00
53.25	0.01	67.25	0.00	81.25	0.00	95.25	0.00
53.50	0.01	67.50	0.00	81.50	0.00	95.50	0.00
53.75	0.01	67.75	0.00	81.75	0.00	95.75	0.00
54.00	0.01	68.00	0.00	82.00	0.00	96.00	0.00

Table 6 – 1%

SMART Meter Power Density Computer Modeling

(8 SMART Meters – 100% reflections)

Meters 8 Electric SMART Meters

Time Avg: 10% % Reflection 100%

Distance where limits are exceeded			
FCC ft.	0.40	4.8	Inches
BioInitiative ft.	38.40	460.8	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	1177.44	10.25	1.40	20.25	0.36	30.25	0.16
0.50	470.98	10.50	1.33	20.50	0.35	30.50	0.16
0.75	235.49	10.75	1.27	20.75	0.34	30.75	0.16
1.00	138.52	11.00	1.22	21.00	0.33	31.00	0.15
1.25	90.57	11.25	1.16	21.25	0.33	31.25	0.15
1.50	63.65	11.50	1.11	21.50	0.32	31.50	0.15
1.75	47.10	11.75	1.07	21.75	0.31	31.75	0.15
2.00	36.23	12.00	1.02	22.00	0.30	32.00	0.14
2.25	28.72	12.25	0.98	22.25	0.30	32.25	0.14
2.50	23.32	12.50	0.94	22.50	0.29	32.50	0.14
2.75	19.30	12.75	0.91	22.75	0.28	32.75	0.14
3.00	16.24	13.00	0.87	23.00	0.28	33.00	0.14
3.25	13.85	13.25	0.84	23.25	0.27	33.25	0.13
3.50	11.95	13.50	0.81	23.50	0.27	33.50	0.13
3.75	10.42	13.75	0.78	23.75	0.26	33.75	0.13
4.00	9.16	14.00	0.75	24.00	0.26	34.00	0.13
4.25	8.12	14.25	0.72	24.25	0.25	34.25	0.13
4.50	7.25	14.50	0.70	24.50	0.25	34.50	0.12
4.75	6.51	14.75	0.68	24.75	0.24	34.75	0.12
5.00	5.87	15.00	0.65	25.00	0.24	35.00	0.12
5.25	5.33	15.25	0.63	25.25	0.23	35.25	0.12
5.50	4.86	15.50	0.61	25.50	0.23	35.50	0.12
5.75	4.44	15.75	0.59	25.75	0.22	35.75	0.12
6.00	4.08	16.00	0.57	26.00	0.22	36.00	0.11
6.25	3.76	16.25	0.56	26.25	0.21	36.25	0.11
6.50	3.48	16.50	0.54	26.50	0.21	36.50	0.11
6.75	3.23	16.75	0.52	26.75	0.21	36.75	0.11
7.00	3.00	17.00	0.51	27.00	0.20	37.00	0.11
7.25	2.80	17.25	0.49	27.25	0.20	37.25	0.11
7.50	2.61	17.50	0.48	27.50	0.19	37.50	0.10
7.75	2.45	17.75	0.47	27.75	0.19	37.75	0.10
8.00	2.30	18.00	0.45	28.00	0.19	38.00	0.10
8.25	2.16	18.25	0.44	28.25	0.18	38.25	0.10
8.50	2.04	18.50	0.43	28.50	0.18	38.50	0.10
8.75	1.92	18.75	0.42	28.75	0.18	38.75	0.10
9.00	1.82	19.00	0.41	29.00	0.17	39.00	0.10
9.25	1.72	19.25	0.40	29.25	0.17	39.25	0.10
9.50	1.63	19.50	0.39	29.50	0.17	39.50	0.09
9.75	1.55	19.75	0.38	29.75	0.17	39.75	0.09
10.00	1.47	20.00	0.37	30.00	0.16	40.00	0.09

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 6 – 10%

SMART Meter Power Density Computer Modeling

(8 SMART Meters – 100% reflections)

Meters 8 Electric SMART Meters
Time Avg: 10% % Reflection 100%

Distance where limits are exceeded			
FCC ft.	0.40	4.84	Inches
BioInitiative ft.	38.40	460.80	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.09	54.25	0.05	68.25	0.03	82.25	0.02
40.50	0.09	54.50	0.05	68.50	0.03	82.50	0.02
40.75	0.09	54.75	0.05	68.75	0.03	82.75	0.02
41.00	0.09	55.00	0.05	69.00	0.03	83.00	0.02
41.25	0.09	55.25	0.05	69.25	0.03	83.25	0.02
41.50	0.09	55.50	0.05	69.50	0.03	83.50	0.02
41.75	0.08	55.75	0.05	69.75	0.03	83.75	0.02
42.00	0.08	56.00	0.05	70.00	0.03	84.00	0.02
42.25	0.08	56.25	0.05	70.25	0.03	84.25	0.02
42.50	0.08	56.50	0.05	70.50	0.03	84.50	0.02
42.75	0.08	56.75	0.05	70.75	0.03	84.75	0.02
43.00	0.08	57.00	0.05	71.00	0.03	85.00	0.02
43.25	0.08	57.25	0.04	71.25	0.03	85.25	0.02
43.50	0.08	57.50	0.04	71.50	0.03	85.50	0.02
43.75	0.08	57.75	0.04	71.75	0.03	85.75	0.02
44.00	0.08	58.00	0.04	72.00	0.03	86.00	0.02
44.25	0.08	58.25	0.04	72.25	0.03	86.25	0.02
44.50	0.07	58.50	0.04	72.50	0.03	86.50	0.02
44.75	0.07	58.75	0.04	72.75	0.03	86.75	0.02
45.00	0.07	59.00	0.04	73.00	0.03	87.00	0.02
45.25	0.07	59.25	0.04	73.25	0.03	87.25	0.02
45.50	0.07	59.50	0.04	73.50	0.03	87.50	0.02
45.75	0.07	59.75	0.04	73.75	0.03	87.75	0.02
46.00	0.07	60.00	0.04	74.00	0.03	88.00	0.02
46.25	0.07	60.25	0.04	74.25	0.03	88.25	0.02
46.50	0.07	60.50	0.04	74.50	0.03	88.50	0.02
46.75	0.07	60.75	0.04	74.75	0.03	88.75	0.02
47.00	0.07	61.00	0.04	75.00	0.03	89.00	0.02
47.25	0.07	61.25	0.04	75.25	0.03	89.25	0.02
47.50	0.07	61.50	0.04	75.50	0.03	89.50	0.02
47.75	0.06	61.75	0.04	75.75	0.03	89.75	0.02
48.00	0.06	62.00	0.04	76.00	0.03	90.00	0.02
48.25	0.06	62.25	0.04	76.25	0.03	90.25	0.02
48.50	0.06	62.50	0.04	76.50	0.03	90.50	0.02
48.75	0.06	62.75	0.04	76.75	0.02	90.75	0.02
49.00	0.06	63.00	0.04	77.00	0.02	91.00	0.02
49.25	0.06	63.25	0.04	77.25	0.02	91.25	0.02
49.50	0.06	63.50	0.04	77.50	0.02	91.50	0.02
49.75	0.06	63.75	0.04	77.75	0.02	91.75	0.02
50.00	0.06	64.00	0.04	78.00	0.02	92.00	0.02
50.25	0.06	64.25	0.04	78.25	0.02	92.25	0.02
50.50	0.06	64.50	0.04	78.50	0.02	92.50	0.02
50.75	0.06	64.75	0.04	78.75	0.02	92.75	0.02
51.00	0.06	65.00	0.03	79.00	0.02	93.00	0.02
51.25	0.06	65.25	0.03	79.25	0.02	93.25	0.02
51.50	0.06	65.50	0.03	79.50	0.02	93.50	0.02
51.75	0.05	65.75	0.03	79.75	0.02	93.75	0.02
52.00	0.05	66.00	0.03	80.00	0.02	94.00	0.02
52.25	0.05	66.25	0.03	80.25	0.02	94.25	0.02
52.50	0.05	66.50	0.03	80.50	0.02	94.50	0.02
52.75	0.05	66.75	0.03	80.75	0.02	94.75	0.02
53.00	0.05	67.00	0.03	81.00	0.02	95.00	0.02
53.25	0.05	67.25	0.03	81.25	0.02	95.25	0.02
53.50	0.05	67.50	0.03	81.50	0.02	95.50	0.02
53.75	0.05	67.75	0.03	81.75	0.02	95.75	0.02
54.00	0.05	68.00	0.03	82.00	0.02	96.00	0.02

Table 6 – 10%

SMART Meter Power Density Computer Modeling

(8 SMART Meters – 100% reflections)

Meters 8 Electric SMART Meters
Time Avg: 20% % Reflection 100%

Distance where limits are exceeded			
FCC ft.	0.62	7.5	Inches
BioInitiative ft.	54.20	650.4	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	2354.88	10.25	2.80	20.25	0.72	30.25	0.32
0.50	941.95	10.50	2.67	20.50	0.70	30.50	0.32
0.75	470.98	10.75	2.55	20.75	0.68	30.75	0.31
1.00	277.04	11.00	2.43	21.00	0.67	31.00	0.31
1.25	181.14	11.25	2.32	21.25	0.65	31.25	0.30
1.50	127.29	11.50	2.22	21.50	0.64	31.50	0.30
1.75	94.20	11.75	2.13	21.75	0.62	31.75	0.29
2.00	72.46	12.00	2.04	22.00	0.61	32.00	0.29
2.25	57.44	12.25	1.96	22.25	0.59	32.25	0.28
2.50	46.63	12.50	1.88	22.50	0.58	32.50	0.28
2.75	38.60	12.75	1.81	22.75	0.57	32.75	0.27
3.00	32.48	13.00	1.74	23.00	0.56	33.00	0.27
3.25	27.70	13.25	1.68	23.25	0.54	33.25	0.27
3.50	23.91	13.50	1.61	23.50	0.53	33.50	0.26
3.75	20.84	13.75	1.56	23.75	0.52	33.75	0.26
4.00	18.33	14.00	1.50	24.00	0.51	34.00	0.25
4.25	16.24	14.25	1.45	24.25	0.50	34.25	0.25
4.50	14.49	14.50	1.40	24.50	0.49	34.50	0.25
4.75	13.01	14.75	1.35	24.75	0.48	34.75	0.24
5.00	11.75	15.00	1.31	25.00	0.47	35.00	0.24
5.25	10.66	15.25	1.27	25.25	0.46	35.25	0.24
5.50	9.71	15.50	1.22	25.50	0.45	35.50	0.23
5.75	8.89	15.75	1.19	25.75	0.44	35.75	0.23
6.00	8.16	16.00	1.15	26.00	0.44	36.00	0.23
6.25	7.52	16.25	1.11	26.25	0.43	36.25	0.22
6.50	6.96	16.50	1.08	26.50	0.42	36.50	0.22
6.75	6.45	16.75	1.05	26.75	0.41	36.75	0.22
7.00	6.00	17.00	1.02	27.00	0.40	37.00	0.22
7.25	5.59	17.25	0.99	27.25	0.40	37.25	0.21
7.50	5.23	17.50	0.96	27.50	0.39	37.50	0.21
7.75	4.90	17.75	0.93	27.75	0.38	37.75	0.21
8.00	4.59	18.00	0.91	28.00	0.38	38.00	0.20
8.25	4.32	18.25	0.88	28.25	0.37	38.25	0.20
8.50	4.07	18.50	0.86	28.50	0.36	38.50	0.20
8.75	3.84	18.75	0.84	28.75	0.36	38.75	0.20
9.00	3.63	19.00	0.82	29.00	0.35	39.00	0.19
9.25	3.44	19.25	0.79	29.25	0.34	39.25	0.19
9.50	3.26	19.50	0.77	29.50	0.34	39.50	0.19
9.75	3.09	19.75	0.75	29.75	0.33	39.75	0.19
10.00	2.94	20.00	0.74	30.00	0.33	40.00	0.18

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 6 – 20%

SMART Meter Power Density Computer Modeling

(8 SMART Meters – 100% reflections)

Meters 8 Electric SMART Meters
Time Avg: 20% % Reflection 100%

Distance where limits are exceeded			
FCC ft. 0.62		7.47 Inches	
BioInitiative ft. 54.20		650.40 Inches	

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.18	54.25	0.10	68.25	0.06	82.25	0.04
40.50	0.18	54.50	0.10	68.50	0.06	82.50	0.04
40.75	0.18	54.75	0.10	68.75	0.06	82.75	0.04
41.00	0.18	55.00	0.10	69.00	0.06	83.00	0.04
41.25	0.17	55.25	0.10	69.25	0.06	83.25	0.04
41.50	0.17	55.50	0.10	69.50	0.06	83.50	0.04
41.75	0.17	55.75	0.09	69.75	0.06	83.75	0.04
42.00	0.17	56.00	0.09	70.00	0.06	84.00	0.04
42.25	0.16	56.25	0.09	70.25	0.06	84.25	0.04
42.50	0.16	56.50	0.09	70.50	0.06	84.50	0.04
42.75	0.16	56.75	0.09	70.75	0.06	84.75	0.04
43.00	0.16	57.00	0.09	71.00	0.06	85.00	0.04
43.25	0.16	57.25	0.09	71.25	0.06	85.25	0.04
43.50	0.16	57.50	0.09	71.50	0.06	85.50	0.04
43.75	0.15	57.75	0.09	71.75	0.06	85.75	0.04
44.00	0.15	58.00	0.09	72.00	0.06	86.00	0.04
44.25	0.15	58.25	0.09	72.25	0.06	86.25	0.04
44.50	0.15	58.50	0.09	72.50	0.06	86.50	0.04
44.75	0.15	58.75	0.09	72.75	0.06	86.75	0.04
45.00	0.15	59.00	0.08	73.00	0.06	87.00	0.04
45.25	0.14	59.25	0.08	73.25	0.05	87.25	0.04
45.50	0.14	59.50	0.08	73.50	0.05	87.50	0.04
45.75	0.14	59.75	0.08	73.75	0.05	87.75	0.04
46.00	0.14	60.00	0.08	74.00	0.05	88.00	0.04
46.25	0.14	60.25	0.08	74.25	0.05	88.25	0.04
46.50	0.14	60.50	0.08	74.50	0.05	88.50	0.04
46.75	0.13	60.75	0.08	74.75	0.05	88.75	0.04
47.00	0.13	61.00	0.08	75.00	0.05	89.00	0.04
47.25	0.13	61.25	0.08	75.25	0.05	89.25	0.04
47.50	0.13	61.50	0.08	75.50	0.05	89.50	0.04
47.75	0.13	61.75	0.08	75.75	0.05	89.75	0.04
48.00	0.13	62.00	0.08	76.00	0.05	90.00	0.04
48.25	0.13	62.25	0.08	76.25	0.05	90.25	0.04
48.50	0.13	62.50	0.08	76.50	0.05	90.50	0.04
48.75	0.12	62.75	0.07	76.75	0.05	90.75	0.04
49.00	0.12	63.00	0.07	77.00	0.05	91.00	0.04
49.25	0.12	63.25	0.07	77.25	0.05	91.25	0.04
49.50	0.12	63.50	0.07	77.50	0.05	91.50	0.04
49.75	0.12	63.75	0.07	77.75	0.05	91.75	0.03
50.00	0.12	64.00	0.07	78.00	0.05	92.00	0.03
50.25	0.12	64.25	0.07	78.25	0.05	92.25	0.03
50.50	0.12	64.50	0.07	78.50	0.05	92.50	0.03
50.75	0.11	64.75	0.07	78.75	0.05	92.75	0.03
51.00	0.11	65.00	0.07	79.00	0.05	93.00	0.03
51.25	0.11	65.25	0.07	79.25	0.05	93.25	0.03
51.50	0.11	65.50	0.07	79.50	0.05	93.50	0.03
51.75	0.11	65.75	0.07	79.75	0.05	93.75	0.03
52.00	0.11	66.00	0.07	80.00	0.05	94.00	0.03
52.25	0.11	66.25	0.07	80.25	0.05	94.25	0.03
52.50	0.11	66.50	0.07	80.50	0.05	94.50	0.03
52.75	0.11	66.75	0.07	80.75	0.05	94.75	0.03
53.00	0.10	67.00	0.07	81.00	0.04	95.00	0.03
53.25	0.10	67.25	0.07	81.25	0.04	95.25	0.03
53.50	0.10	67.50	0.06	81.50	0.04	95.50	0.03
53.75	0.10	67.75	0.06	81.75	0.04	95.75	0.03
54.00	0.10	68.00	0.06	82.00	0.04	96.00	0.03

Table 6 – 20%

SMART Meter Power Density Computer Modeling

(8 SMART Meters – 100% reflections)

Meters 8 Electric SMART Meters

Time Avg: 30% % Reflection 100%

Distance where limits are exceeded			
FCC ft.	0.78	9.4	Inches
BioInitiative ft.	66.30	795.6	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	3532.32	10.25	4.20	20.25	1.08	30.25	0.48
0.50	1412.93	10.50	4.00	20.50	1.05	30.50	0.47
0.75	706.46	10.75	3.82	20.75	1.03	30.75	0.47
1.00	415.57	11.00	3.65	21.00	1.00	31.00	0.46
1.25	271.72	11.25	3.49	21.25	0.98	31.25	0.45
1.50	190.94	11.50	3.34	21.50	0.96	31.50	0.44
1.75	141.29	11.75	3.20	21.75	0.93	31.75	0.44
2.00	108.69	12.00	3.06	22.00	0.91	32.00	0.43
2.25	86.15	12.25	2.94	22.25	0.89	32.25	0.42
2.50	69.95	12.50	2.82	22.50	0.87	32.50	0.42
2.75	57.91	12.75	2.72	22.75	0.85	32.75	0.41
3.00	48.72	13.00	2.61	23.00	0.83	33.00	0.41
3.25	41.56	13.25	2.51	23.25	0.82	33.25	0.40
3.50	35.86	13.50	2.42	23.50	0.80	33.50	0.39
3.75	31.26	13.75	2.33	23.75	0.78	33.75	0.39
4.00	27.49	14.00	2.25	24.00	0.77	34.00	0.38
4.25	24.36	14.25	2.17	24.25	0.75	34.25	0.38
4.50	21.74	14.50	2.10	24.50	0.74	34.50	0.37
4.75	19.52	14.75	2.03	24.75	0.72	34.75	0.37
5.00	17.62	15.00	1.96	25.00	0.71	35.00	0.36
5.25	15.98	15.25	1.90	25.25	0.69	35.25	0.36
5.50	14.57	15.50	1.84	25.50	0.68	35.50	0.35
5.75	13.33	15.75	1.78	25.75	0.67	35.75	0.35
6.00	12.24	16.00	1.72	26.00	0.65	36.00	0.34
6.25	11.29	16.25	1.67	26.25	0.64	36.25	0.34
6.50	10.44	16.50	1.62	26.50	0.63	36.50	0.33
6.75	9.68	16.75	1.57	26.75	0.62	36.75	0.33
7.00	9.00	17.00	1.53	27.00	0.61	37.00	0.32
7.25	8.39	17.25	1.48	27.25	0.59	37.25	0.32
7.50	7.84	17.50	1.44	27.50	0.58	37.50	0.31
7.75	7.34	17.75	1.40	27.75	0.57	37.75	0.31
8.00	6.89	18.00	1.36	28.00	0.56	38.00	0.31
8.25	6.48	18.25	1.33	28.25	0.55	38.25	0.30
8.50	6.11	18.50	1.29	28.50	0.54	38.50	0.30
8.75	5.76	18.75	1.26	28.75	0.53	38.75	0.29
9.00	5.45	19.00	1.22	29.00	0.52	39.00	0.29
9.25	5.16	19.25	1.19	29.25	0.52	39.25	0.29
9.50	4.89	19.50	1.16	29.50	0.51	39.50	0.28
9.75	4.64	19.75	1.13	29.75	0.50	39.75	0.28
10.00	4.41	20.00	1.10	30.00	0.49	40.00	0.28

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 6 – 30%

SMART Meter Power Density Computer Modeling

(8 SMART Meters – 100% reflections)

Meters 8 Electric SMART Meters

Time Avg: 30% % Reflection 100%

Distance where limits are exceeded			
FCC ft.	0.78	9.39	Inches
BioInitiative ft.	66.30	795.60	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.27	54.25	0.15	68.25	0.09	82.25	0.07
40.50	0.27	54.50	0.15	68.50	0.09	82.50	0.06
40.75	0.27	54.75	0.15	68.75	0.09	82.75	0.06
41.00	0.26	55.00	0.15	69.00	0.09	83.00	0.06
41.25	0.26	55.25	0.14	69.25	0.09	83.25	0.06
41.50	0.26	55.50	0.14	69.50	0.09	83.50	0.06
41.75	0.25	55.75	0.14	69.75	0.09	83.75	0.06
42.00	0.25	56.00	0.14	70.00	0.09	84.00	0.06
42.25	0.25	56.25	0.14	70.25	0.09	84.25	0.06
42.50	0.24	56.50	0.14	70.50	0.09	84.50	0.06
42.75	0.24	56.75	0.14	70.75	0.09	84.75	0.06
43.00	0.24	57.00	0.14	71.00	0.09	85.00	0.06
43.25	0.24	57.25	0.13	71.25	0.09	85.25	0.06
43.50	0.23	57.50	0.13	71.50	0.09	85.50	0.06
43.75	0.23	57.75	0.13	71.75	0.09	85.75	0.06
44.00	0.23	58.00	0.13	72.00	0.09	86.00	0.06
44.25	0.23	58.25	0.13	72.25	0.08	86.25	0.06
44.50	0.22	58.50	0.13	72.50	0.08	86.50	0.06
44.75	0.22	58.75	0.13	72.75	0.08	86.75	0.06
45.00	0.22	59.00	0.13	73.00	0.08	87.00	0.06
45.25	0.22	59.25	0.13	73.25	0.08	87.25	0.06
45.50	0.21	59.50	0.12	73.50	0.08	87.50	0.06
45.75	0.21	59.75	0.12	73.75	0.08	87.75	0.06
46.00	0.21	60.00	0.12	74.00	0.08	88.00	0.06
46.25	0.21	60.25	0.12	74.25	0.08	88.25	0.06
46.50	0.20	60.50	0.12	74.50	0.08	88.50	0.06
46.75	0.20	60.75	0.12	74.75	0.08	88.75	0.06
47.00	0.20	61.00	0.12	75.00	0.08	89.00	0.06
47.25	0.20	61.25	0.12	75.25	0.08	89.25	0.06
47.50	0.20	61.50	0.12	75.50	0.08	89.50	0.06
47.75	0.19	61.75	0.12	75.75	0.08	89.75	0.05
48.00	0.19	62.00	0.11	76.00	0.08	90.00	0.05
48.25	0.19	62.25	0.11	76.25	0.08	90.25	0.05
48.50	0.19	62.50	0.11	76.50	0.08	90.50	0.05
48.75	0.19	62.75	0.11	76.75	0.07	90.75	0.05
49.00	0.18	63.00	0.11	77.00	0.07	91.00	0.05
49.25	0.18	63.25	0.11	77.25	0.07	91.25	0.05
49.50	0.18	63.50	0.11	77.50	0.07	91.50	0.05
49.75	0.18	63.75	0.11	77.75	0.07	91.75	0.05
50.00	0.18	64.00	0.11	78.00	0.07	92.00	0.05
50.25	0.17	64.25	0.11	78.25	0.07	92.25	0.05
50.50	0.17	64.50	0.11	78.50	0.07	92.50	0.05
50.75	0.17	64.75	0.11	78.75	0.07	92.75	0.05
51.00	0.17	65.00	0.10	79.00	0.07	93.00	0.05
51.25	0.17	65.25	0.10	79.25	0.07	93.25	0.05
51.50	0.17	65.50	0.10	79.50	0.07	93.50	0.05
51.75	0.16	65.75	0.10	79.75	0.07	93.75	0.05
52.00	0.16	66.00	0.10	80.00	0.07	94.00	0.05
52.25	0.16	66.25	0.10	80.25	0.07	94.25	0.05
52.50	0.16	66.50	0.10	80.50	0.07	94.50	0.05
52.75	0.16	66.75	0.10	80.75	0.07	94.75	0.05
53.00	0.16	67.00	0.10	81.00	0.07	95.00	0.05
53.25	0.16	67.25	0.10	81.25	0.07	95.25	0.05
53.50	0.15	67.50	0.10	81.50	0.07	95.50	0.05
53.75	0.15	67.75	0.10	81.75	0.07	95.75	0.05
54.00	0.15	68.00	0.10	82.00	0.07	96.00	0.05

Table 6 – 30%

SMART Meter Power Density Computer Modeling

(8 SMART Meters – 100% reflections)

Meters 8 Electric SMART Meters

Time Avg: 40% % Reflection 100%

Distance where limits are exceeded			
FCC ft.	0.91	11.0	Inches
BioInitiative ft.	76.80	921.6	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	4709.76	10.25	5.60	20.25	1.44	30.25	0.64
0.50	1883.90	10.50	5.34	20.50	1.40	30.50	0.63
0.75	941.95	10.75	5.09	20.75	1.37	30.75	0.62
1.00	554.09	11.00	4.86	21.00	1.33	31.00	0.61
1.25	362.29	11.25	4.65	21.25	1.30	31.25	0.60
1.50	254.58	11.50	4.45	21.50	1.27	31.50	0.59
1.75	188.39	11.75	4.26	21.75	1.24	31.75	0.58
2.00	144.92	12.00	4.09	22.00	1.22	32.00	0.57
2.25	114.87	12.25	3.92	22.25	1.19	32.25	0.57
2.50	93.26	12.50	3.77	22.50	1.16	32.50	0.56
2.75	77.21	12.75	3.62	22.75	1.14	32.75	0.55
3.00	64.96	13.00	3.48	23.00	1.11	33.00	0.54
3.25	55.41	13.25	3.35	23.25	1.09	33.25	0.53
3.50	47.81	13.50	3.23	23.50	1.07	33.50	0.52
3.75	41.68	13.75	3.11	23.75	1.04	33.75	0.52
4.00	36.65	14.00	3.00	24.00	1.02	34.00	0.51
4.25	32.48	14.25	2.90	24.25	1.00	34.25	0.50
4.50	28.98	14.50	2.80	24.50	0.98	34.50	0.49
4.75	26.02	14.75	2.71	24.75	0.96	34.75	0.49
5.00	23.49	15.00	2.62	25.00	0.94	35.00	0.48
5.25	21.31	15.25	2.53	25.25	0.92	35.25	0.47
5.50	19.42	15.50	2.45	25.50	0.91	35.50	0.47
5.75	17.77	15.75	2.37	25.75	0.89	35.75	0.46
6.00	16.32	16.00	2.30	26.00	0.87	36.00	0.45
6.25	15.05	16.25	2.23	26.25	0.85	36.25	0.45
6.50	13.91	16.50	2.16	26.50	0.84	36.50	0.44
6.75	12.90	16.75	2.10	26.75	0.82	36.75	0.44
7.00	12.00	17.00	2.04	27.00	0.81	37.00	0.43
7.25	11.19	17.25	1.98	27.25	0.79	37.25	0.42
7.50	10.45	17.50	1.92	27.50	0.78	37.50	0.42
7.75	9.79	17.75	1.87	27.75	0.76	37.75	0.41
8.00	9.19	18.00	1.82	28.00	0.75	38.00	0.41
8.25	8.64	18.25	1.77	28.25	0.74	38.25	0.40
8.50	8.14	18.50	1.72	28.50	0.72	38.50	0.40
8.75	7.68	18.75	1.67	28.75	0.71	38.75	0.39
9.00	7.26	19.00	1.63	29.00	0.70	39.00	0.39
9.25	6.88	19.25	1.59	29.25	0.69	39.25	0.38
9.50	6.52	19.50	1.55	29.50	0.68	39.50	0.38
9.75	6.19	19.75	1.51	29.75	0.67	39.75	0.37
10.00	5.88	20.00	1.47	30.00	0.65	40.00	0.37

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 6 – 40%

SMART Meter Power Density Computer Modeling

(8 SMART Meters – 100% reflections)

Meters 8 Electric SMART Meters

Time Avg: 40% % Reflection 100%

Distance where limits are exceeded			
FCC ft. 0.91		10.98 Inches	
BioInitiative ft. 76.80		921.60 Inches	

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.36	54.25	0.20	68.25	0.13	82.25	0.09
40.50	0.36	54.50	0.20	68.50	0.13	82.50	0.09
40.75	0.35	54.75	0.20	68.75	0.12	82.75	0.09
41.00	0.35	55.00	0.19	69.00	0.12	83.00	0.09
41.25	0.35	55.25	0.19	69.25	0.12	83.25	0.08
41.50	0.34	55.50	0.19	69.50	0.12	83.50	0.08
41.75	0.34	55.75	0.19	69.75	0.12	83.75	0.08
42.00	0.33	56.00	0.19	70.00	0.12	84.00	0.08
42.25	0.33	56.25	0.19	70.25	0.12	84.25	0.08
42.50	0.33	56.50	0.18	70.50	0.12	84.50	0.08
42.75	0.32	56.75	0.18	70.75	0.12	84.75	0.08
43.00	0.32	57.00	0.18	71.00	0.12	85.00	0.08
43.25	0.31	57.25	0.18	71.25	0.12	85.25	0.08
43.50	0.31	57.50	0.18	71.50	0.12	85.50	0.08
43.75	0.31	57.75	0.18	71.75	0.11	85.75	0.08
44.00	0.30	58.00	0.18	72.00	0.11	86.00	0.08
44.25	0.30	58.25	0.17	72.25	0.11	86.25	0.08
44.50	0.30	58.50	0.17	72.50	0.11	86.50	0.08
44.75	0.29	58.75	0.17	72.75	0.11	86.75	0.08
45.00	0.29	59.00	0.17	73.00	0.11	87.00	0.08
45.25	0.29	59.25	0.17	73.25	0.11	87.25	0.08
45.50	0.28	59.50	0.17	73.50	0.11	87.50	0.08
45.75	0.28	59.75	0.16	73.75	0.11	87.75	0.08
46.00	0.28	60.00	0.16	74.00	0.11	88.00	0.08
46.25	0.28	60.25	0.16	74.25	0.11	88.25	0.08
46.50	0.27	60.50	0.16	74.50	0.11	88.50	0.08
46.75	0.27	60.75	0.16	74.75	0.11	88.75	0.07
47.00	0.27	61.00	0.16	75.00	0.10	89.00	0.07
47.25	0.26	61.25	0.16	75.25	0.10	89.25	0.07
47.50	0.26	61.50	0.16	75.50	0.10	89.50	0.07
47.75	0.26	61.75	0.15	75.75	0.10	89.75	0.07
48.00	0.26	62.00	0.15	76.00	0.10	90.00	0.07
48.25	0.25	62.25	0.15	76.25	0.10	90.25	0.07
48.50	0.25	62.50	0.15	76.50	0.10	90.50	0.07
48.75	0.25	62.75	0.15	76.75	0.10	90.75	0.07
49.00	0.25	63.00	0.15	77.00	0.10	91.00	0.07
49.25	0.24	63.25	0.15	77.25	0.10	91.25	0.07
49.50	0.24	63.50	0.15	77.50	0.10	91.50	0.07
49.75	0.24	63.75	0.14	77.75	0.10	91.75	0.07
50.00	0.24	64.00	0.14	78.00	0.10	92.00	0.07
50.25	0.23	64.25	0.14	78.25	0.10	92.25	0.07
50.50	0.23	64.50	0.14	78.50	0.10	92.50	0.07
50.75	0.23	64.75	0.14	78.75	0.09	92.75	0.07
51.00	0.23	65.00	0.14	79.00	0.09	93.00	0.07
51.25	0.22	65.25	0.14	79.25	0.09	93.25	0.07
51.50	0.22	65.50	0.14	79.50	0.09	93.50	0.07
51.75	0.22	65.75	0.14	79.75	0.09	93.75	0.07
52.00	0.22	66.00	0.14	80.00	0.09	94.00	0.07
52.25	0.22	66.25	0.13	80.25	0.09	94.25	0.07
52.50	0.21	66.50	0.13	80.50	0.09	94.50	0.07
52.75	0.21	66.75	0.13	80.75	0.09	94.75	0.07
53.00	0.21	67.00	0.13	81.00	0.09	95.00	0.07
53.25	0.21	67.25	0.13	81.25	0.09	95.25	0.06
53.50	0.21	67.50	0.13	81.50	0.09	95.50	0.06
53.75	0.20	67.75	0.13	81.75	0.09	95.75	0.06
54.00	0.20	68.00	0.13	82.00	0.09	96.00	0.06

Table 6 – 40%

SMART Meter Power Density Computer Modeling

(8 SMART Meters – 100% reflections)

Meters 8 Electric SMART Meters

Time Avg: 50% % Reflection 100%

Distance where limits are exceeded			
FCC ft.	1.03	12.4	Inches
BioInitiative ft.	85.80	1029.6	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	5887.20	10.25	7.00	20.25	1.79	30.25	0.80
0.50	2354.88	10.50	6.67	20.50	1.75	30.50	0.79
0.75	1177.44	10.75	6.36	20.75	1.71	30.75	0.78
1.00	692.61	11.00	6.08	21.00	1.67	31.00	0.77
1.25	452.86	11.25	5.81	21.25	1.63	31.25	0.75
1.50	318.23	11.50	5.56	21.50	1.59	31.50	0.74
1.75	235.49	11.75	5.33	21.75	1.56	31.75	0.73
2.00	181.14	12.00	5.11	22.00	1.52	32.00	0.72
2.25	143.59	12.25	4.90	22.25	1.49	32.25	0.71
2.50	116.58	12.50	4.71	22.50	1.45	32.50	0.70
2.75	96.51	12.75	4.53	22.75	1.42	32.75	0.69
3.00	81.20	13.00	4.35	23.00	1.39	33.00	0.68
3.25	69.26	13.25	4.19	23.25	1.36	33.25	0.67
3.50	59.77	13.50	4.04	23.50	1.33	33.50	0.66
3.75	52.10	13.75	3.89	23.75	1.30	33.75	0.65
4.00	45.81	14.00	3.75	24.00	1.28	34.00	0.64
4.25	40.60	14.25	3.62	24.25	1.25	34.25	0.63
4.50	36.23	14.50	3.50	24.50	1.23	34.50	0.62
4.75	32.53	14.75	3.38	24.75	1.20	34.75	0.61
5.00	29.36	15.00	3.27	25.00	1.18	35.00	0.60
5.25	26.64	15.25	3.16	25.25	1.15	35.25	0.59
5.50	24.28	15.50	3.06	25.50	1.13	35.50	0.58
5.75	22.22	15.75	2.97	25.75	1.11	35.75	0.58
6.00	20.41	16.00	2.87	26.00	1.09	36.00	0.57
6.25	18.81	16.25	2.79	26.25	1.07	36.25	0.56
6.50	17.39	16.50	2.70	26.50	1.05	36.50	0.55
6.75	16.13	16.75	2.62	26.75	1.03	36.75	0.54
7.00	15.00	17.00	2.55	27.00	1.01	37.00	0.54
7.25	13.98	17.25	2.47	27.25	0.99	37.25	0.53
7.50	13.07	17.50	2.40	27.50	0.97	37.50	0.52
7.75	12.24	17.75	2.34	27.75	0.96	37.75	0.52
8.00	11.49	18.00	2.27	28.00	0.94	38.00	0.51
8.25	10.80	18.25	2.21	28.25	0.92	38.25	0.50
8.50	10.18	18.50	2.15	28.50	0.91	38.50	0.50
8.75	9.60	18.75	2.09	28.75	0.89	38.75	0.49
9.00	9.08	19.00	2.04	29.00	0.87	39.00	0.48
9.25	8.59	19.25	1.99	29.25	0.86	39.25	0.48
9.50	8.15	19.50	1.93	29.50	0.85	39.50	0.47
9.75	7.74	19.75	1.89	29.75	0.83	39.75	0.47
10.00	7.35	20.00	1.84	30.00	0.82	40.00	0.46

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 6 – 50%

SMART Meter Power Density Computer Modeling

(8 SMART Meters – 100% reflections)

Meters 8 Electric SMART Meters
Time Avg: 50% % Reflection 100%

Distance where limits are exceeded			
FCC ft. 1.03		12.37 Inches	
BioInitiative ft. 85.80		1029.60 Inches	

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.45	54.25	0.25	68.25	0.16	82.25	0.11
40.50	0.45	54.50	0.25	68.50	0.16	82.50	0.11
40.75	0.44	54.75	0.25	68.75	0.16	82.75	0.11
41.00	0.44	55.00	0.24	69.00	0.15	83.00	0.11
41.25	0.43	55.25	0.24	69.25	0.15	83.25	0.11
41.50	0.43	55.50	0.24	69.50	0.15	83.50	0.11
41.75	0.42	55.75	0.24	69.75	0.15	83.75	0.10
42.00	0.42	56.00	0.23	70.00	0.15	84.00	0.10
42.25	0.41	56.25	0.23	70.25	0.15	84.25	0.10
42.50	0.41	56.50	0.23	70.50	0.15	84.50	0.10
42.75	0.40	56.75	0.23	70.75	0.15	84.75	0.10
43.00	0.40	57.00	0.23	71.00	0.15	85.00	0.10
43.25	0.39	57.25	0.22	71.25	0.14	85.25	0.10
43.50	0.39	57.50	0.22	71.50	0.14	85.50	0.10
43.75	0.38	57.75	0.22	71.75	0.14	85.75	0.10
44.00	0.38	58.00	0.22	72.00	0.14	86.00	0.10
44.25	0.38	58.25	0.22	72.25	0.14	86.25	0.10
44.50	0.37	58.50	0.22	72.50	0.14	86.50	0.10
44.75	0.37	58.75	0.21	72.75	0.14	86.75	0.10
45.00	0.36	59.00	0.21	73.00	0.14	87.00	0.10
45.25	0.36	59.25	0.21	73.25	0.14	87.25	0.10
45.50	0.36	59.50	0.21	73.50	0.14	87.50	0.10
45.75	0.35	59.75	0.21	73.75	0.14	87.75	0.10
46.00	0.35	60.00	0.20	74.00	0.13	88.00	0.10
46.25	0.34	60.25	0.20	74.25	0.13	88.25	0.09
46.50	0.34	60.50	0.20	74.50	0.13	88.50	0.09
46.75	0.34	60.75	0.20	74.75	0.13	88.75	0.09
47.00	0.33	61.00	0.20	75.00	0.13	89.00	0.09
47.25	0.33	61.25	0.20	75.25	0.13	89.25	0.09
47.50	0.33	61.50	0.19	75.50	0.13	89.50	0.09
47.75	0.32	61.75	0.19	75.75	0.13	89.75	0.09
48.00	0.32	62.00	0.19	76.00	0.13	90.00	0.09
48.25	0.32	62.25	0.19	76.25	0.13	90.25	0.09
48.50	0.31	62.50	0.19	76.50	0.13	90.50	0.09
48.75	0.31	62.75	0.19	76.75	0.12	90.75	0.09
49.00	0.31	63.00	0.19	77.00	0.12	91.00	0.09
49.25	0.30	63.25	0.18	77.25	0.12	91.25	0.09
49.50	0.30	63.50	0.18	77.50	0.12	91.50	0.09
49.75	0.30	63.75	0.18	77.75	0.12	91.75	0.09
50.00	0.29	64.00	0.18	78.00	0.12	92.00	0.09
50.25	0.29	64.25	0.18	78.25	0.12	92.25	0.09
50.50	0.29	64.50	0.18	78.50	0.12	92.50	0.09
50.75	0.29	64.75	0.18	78.75	0.12	92.75	0.09
51.00	0.28	65.00	0.17	79.00	0.12	93.00	0.09
51.25	0.28	65.25	0.17	79.25	0.12	93.25	0.08
51.50	0.28	65.50	0.17	79.50	0.12	93.50	0.08
51.75	0.27	65.75	0.17	79.75	0.12	93.75	0.08
52.00	0.27	66.00	0.17	80.00	0.11	94.00	0.08
52.25	0.27	66.25	0.17	80.25	0.11	94.25	0.08
52.50	0.27	66.50	0.17	80.50	0.11	94.50	0.08
52.75	0.26	66.75	0.17	80.75	0.11	94.75	0.08
53.00	0.26	67.00	0.16	81.00	0.11	95.00	0.08
53.25	0.26	67.25	0.16	81.25	0.11	95.25	0.08
53.50	0.26	67.50	0.16	81.50	0.11	95.50	0.08
53.75	0.25	67.75	0.16	81.75	0.11	95.75	0.08
54.00	0.25	68.00	0.16	82.00	0.11	96.00	0.08

Table 6 – 50%

SMART Meter Power Density Computer Modeling

(8 SMART Meters – 100% reflections)

Meters 8 Electric SMART Meters

Time Avg: 60% % Reflection 100%

Distance where limits are exceeded			
FCC ft.	1.13	13.6	Inches
BioInitiative ft.	94.00	1128.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	7064.64	10.25	8.40	20.25	2.15	30.25	0.96
0.50	2825.86	10.50	8.01	20.50	2.10	30.50	0.95
0.75	1412.93	10.75	7.64	20.75	2.05	30.75	0.93
1.00	831.13	11.00	7.29	21.00	2.00	31.00	0.92
1.25	543.43	11.25	6.97	21.25	1.96	31.25	0.90
1.50	381.87	11.50	6.67	21.50	1.91	31.50	0.89
1.75	282.59	11.75	6.39	21.75	1.87	31.75	0.88
2.00	217.37	12.00	6.13	22.00	1.82	32.00	0.86
2.25	172.31	12.25	5.88	22.25	1.78	32.25	0.85
2.50	139.89	12.50	5.65	22.50	1.74	32.50	0.84
2.75	115.81	12.75	5.43	22.75	1.71	32.75	0.82
3.00	97.44	13.00	5.22	23.00	1.67	33.00	0.81
3.25	83.11	13.25	5.03	23.25	1.63	33.25	0.80
3.50	71.72	13.50	4.84	23.50	1.60	33.50	0.79
3.75	62.52	13.75	4.67	23.75	1.57	33.75	0.78
4.00	54.98	14.00	4.50	24.00	1.53	34.00	0.76
4.25	48.72	14.25	4.35	24.25	1.50	34.25	0.75
4.50	43.47	14.50	4.20	24.50	1.47	34.50	0.74
4.75	39.03	14.75	4.06	24.75	1.44	34.75	0.73
5.00	35.24	15.00	3.92	25.00	1.41	35.00	0.72
5.25	31.97	15.25	3.80	25.25	1.38	35.25	0.71
5.50	29.13	15.50	3.67	25.50	1.36	35.50	0.70
5.75	26.66	15.75	3.56	25.75	1.33	35.75	0.69
6.00	24.49	16.00	3.45	26.00	1.31	36.00	0.68
6.25	22.57	16.25	3.34	26.25	1.28	36.25	0.67
6.50	20.87	16.50	3.24	26.50	1.26	36.50	0.66
6.75	19.36	16.75	3.15	26.75	1.23	36.75	0.65
7.00	18.00	17.00	3.05	27.00	1.21	37.00	0.65
7.25	16.78	17.25	2.97	27.25	1.19	37.25	0.64
7.50	15.68	17.50	2.88	27.50	1.17	37.50	0.63
7.75	14.69	17.75	2.80	27.75	1.15	37.75	0.62
8.00	13.78	18.00	2.73	28.00	1.13	38.00	0.61
8.25	12.96	18.25	2.65	28.25	1.11	38.25	0.60
8.50	12.21	18.50	2.58	28.50	1.09	38.50	0.60
8.75	11.52	18.75	2.51	28.75	1.07	38.75	0.59
9.00	10.89	19.00	2.45	29.00	1.05	39.00	0.58
9.25	10.31	19.25	2.38	29.25	1.03	39.25	0.57
9.50	9.78	19.50	2.32	29.50	1.01	39.50	0.57
9.75	9.28	19.75	2.26	29.75	1.00	39.75	0.56
10.00	8.83	20.00	2.21	30.00	0.98	40.00	0.55

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 6 – 60%

SMART Meter Power Density Computer Modeling

(8 SMART Meters – 100% reflections)

Meters 8 Electric SMART Meters
Time Avg: 60% % Reflection 100%

Distance where limits are exceeded			
FCC ft. 1.13		13.61 Inches	
BioInitiative ft. 94.00		1128.00 Inches	

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.55	54.25	0.30	68.25	0.19	82.25	0.13
40.50	0.54	54.50	0.30	68.50	0.19	82.50	0.13
40.75	0.53	54.75	0.29	68.75	0.19	82.75	0.13
41.00	0.53	55.00	0.29	69.00	0.19	83.00	0.13
41.25	0.52	55.25	0.29	69.25	0.18	83.25	0.13
41.50	0.51	55.50	0.29	69.50	0.18	83.50	0.13
41.75	0.51	55.75	0.28	69.75	0.18	83.75	0.13
42.00	0.50	56.00	0.28	70.00	0.18	84.00	0.13
42.25	0.49	56.25	0.28	70.25	0.18	84.25	0.12
42.50	0.49	56.50	0.28	70.50	0.18	84.50	0.12
42.75	0.48	56.75	0.27	70.75	0.18	84.75	0.12
43.00	0.48	57.00	0.27	71.00	0.18	85.00	0.12
43.25	0.47	57.25	0.27	71.25	0.17	85.25	0.12
43.50	0.47	57.50	0.27	71.50	0.17	85.50	0.12
43.75	0.46	57.75	0.26	71.75	0.17	85.75	0.12
44.00	0.46	58.00	0.26	72.00	0.17	86.00	0.12
44.25	0.45	58.25	0.26	72.25	0.17	86.25	0.12
44.50	0.45	58.50	0.26	72.50	0.17	86.50	0.12
44.75	0.44	58.75	0.26	72.75	0.17	86.75	0.12
45.00	0.44	59.00	0.25	73.00	0.17	87.00	0.12
45.25	0.43	59.25	0.25	73.25	0.16	87.25	0.12
45.50	0.43	59.50	0.25	73.50	0.16	87.50	0.12
45.75	0.42	59.75	0.25	73.75	0.16	87.75	0.11
46.00	0.42	60.00	0.25	74.00	0.16	88.00	0.11
46.25	0.41	60.25	0.24	74.25	0.16	88.25	0.11
46.50	0.41	60.50	0.24	74.50	0.16	88.50	0.11
46.75	0.40	60.75	0.24	74.75	0.16	88.75	0.11
47.00	0.40	61.00	0.24	75.00	0.16	89.00	0.11
47.25	0.40	61.25	0.24	75.25	0.16	89.25	0.11
47.50	0.39	61.50	0.23	75.50	0.15	89.50	0.11
47.75	0.39	61.75	0.23	75.75	0.15	89.75	0.11
48.00	0.38	62.00	0.23	76.00	0.15	90.00	0.11
48.25	0.38	62.25	0.23	76.25	0.15	90.25	0.11
48.50	0.38	62.50	0.23	76.50	0.15	90.50	0.11
48.75	0.37	62.75	0.22	76.75	0.15	90.75	0.11
49.00	0.37	63.00	0.22	77.00	0.15	91.00	0.11
49.25	0.36	63.25	0.22	77.25	0.15	91.25	0.11
49.50	0.36	63.50	0.22	77.50	0.15	91.50	0.11
49.75	0.36	63.75	0.22	77.75	0.15	91.75	0.10
50.00	0.35	64.00	0.22	78.00	0.15	92.00	0.10
50.25	0.35	64.25	0.21	78.25	0.14	92.25	0.10
50.50	0.35	64.50	0.21	78.50	0.14	92.50	0.10
50.75	0.34	64.75	0.21	78.75	0.14	92.75	0.10
51.00	0.34	65.00	0.21	79.00	0.14	93.00	0.10
51.25	0.34	65.25	0.21	79.25	0.14	93.25	0.10
51.50	0.33	65.50	0.21	79.50	0.14	93.50	0.10
51.75	0.33	65.75	0.20	79.75	0.14	93.75	0.10
52.00	0.33	66.00	0.20	80.00	0.14	94.00	0.10
52.25	0.32	66.25	0.20	80.25	0.14	94.25	0.10
52.50	0.32	66.50	0.20	80.50	0.14	94.50	0.10
52.75	0.32	66.75	0.20	80.75	0.14	94.75	0.10
53.00	0.31	67.00	0.20	81.00	0.13	95.00	0.10
53.25	0.31	67.25	0.20	81.25	0.13	95.25	0.10
53.50	0.31	67.50	0.19	81.50	0.13	95.50	0.10
53.75	0.31	67.75	0.19	81.75	0.13	95.75	0.10
54.00	0.30	68.00	0.19	82.00	0.13	96.00	0.10

Table 6 – 60%

SMART Meter Power Density Computer Modeling

(8 SMART Meters – 100% reflections)

Meters 8 Electric SMART Meters

Time Avg: 70% % Reflection 100%

Distance where limits are exceeded			
FCC ft.	1.23	14.8	Inches
BioInitiative ft.	101.50	1218.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	8242.08	10.25	9.80	20.25	2.51	30.25	1.13
0.50	3296.83	10.50	9.34	20.50	2.45	30.50	1.11
0.75	1648.42	10.75	8.91	20.75	2.39	30.75	1.09
1.00	969.66	11.00	8.51	21.00	2.34	31.00	1.07
1.25	634.01	11.25	8.14	21.25	2.28	31.25	1.05
1.50	445.52	11.50	7.79	21.50	2.23	31.50	1.04
1.75	329.68	11.75	7.46	21.75	2.18	31.75	1.02
2.00	253.60	12.00	7.15	22.00	2.13	32.00	1.01
2.25	201.03	12.25	6.86	22.25	2.08	32.25	0.99
2.50	163.21	12.50	6.59	22.50	2.03	32.50	0.98
2.75	135.12	12.75	6.34	22.75	1.99	32.75	0.96
3.00	113.68	13.00	6.09	23.00	1.95	33.00	0.95
3.25	96.97	13.25	5.87	23.25	1.91	33.25	0.93
3.50	83.68	13.50	5.65	23.50	1.87	33.50	0.92
3.75	72.94	13.75	5.45	23.75	1.83	33.75	0.90
4.00	64.14	14.00	5.25	24.00	1.79	34.00	0.89
4.25	56.84	14.25	5.07	24.25	1.75	34.25	0.88
4.50	50.72	14.50	4.90	24.50	1.72	34.50	0.87
4.75	45.54	14.75	4.73	24.75	1.68	34.75	0.85
5.00	41.11	15.00	4.58	25.00	1.65	35.00	0.84
5.25	37.29	15.25	4.43	25.25	1.62	35.25	0.83
5.50	33.99	15.50	4.29	25.50	1.58	35.50	0.82
5.75	31.10	15.75	4.15	25.75	1.55	35.75	0.81
6.00	28.57	16.00	4.02	26.00	1.52	36.00	0.79
6.25	26.33	16.25	3.90	26.25	1.50	36.25	0.78
6.50	24.35	16.50	3.78	26.50	1.47	36.50	0.77
6.75	22.58	16.75	3.67	26.75	1.44	36.75	0.76
7.00	21.00	17.00	3.56	27.00	1.41	37.00	0.75
7.25	19.58	17.25	3.46	27.25	1.39	37.25	0.74
7.50	18.30	17.50	3.36	27.50	1.36	37.50	0.73
7.75	17.14	17.75	3.27	27.75	1.34	37.75	0.72
8.00	16.08	18.00	3.18	28.00	1.31	38.00	0.71
8.25	15.12	18.25	3.09	28.25	1.29	38.25	0.70
8.50	14.25	18.50	3.01	28.50	1.27	38.50	0.70
8.75	13.45	18.75	2.93	28.75	1.25	38.75	0.69
9.00	12.71	19.00	2.85	29.00	1.22	39.00	0.68
9.25	12.03	19.25	2.78	29.25	1.20	39.25	0.67
9.50	11.41	19.50	2.71	29.50	1.18	39.50	0.66
9.75	10.83	19.75	2.64	29.75	1.16	39.75	0.65
10.00	10.30	20.00	2.58	30.00	1.14	40.00	0.64

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 6 – 70%

SMART Meter Power Density Computer Modeling

(8 SMART Meters – 100% reflections)

Meters 8 Electric SMART Meters

Time Avg: 70% % Reflection 100%

Distance where limits are exceeded			
FCC ft. 1.23		14.75 Inches	
BioInitiative ft. 101.50		1218.00 Inches	

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.64	54.25	0.35	68.25	0.22	82.25	0.15
40.50	0.63	54.50	0.35	68.50	0.22	82.50	0.15
40.75	0.62	54.75	0.34	68.75	0.22	82.75	0.15
41.00	0.61	55.00	0.34	69.00	0.22	83.00	0.15
41.25	0.61	55.25	0.34	69.25	0.21	83.25	0.15
41.50	0.60	55.50	0.33	69.50	0.21	83.50	0.15
41.75	0.59	55.75	0.33	69.75	0.21	83.75	0.15
42.00	0.58	56.00	0.33	70.00	0.21	84.00	0.15
42.25	0.58	56.25	0.33	70.25	0.21	84.25	0.15
42.50	0.57	56.50	0.32	70.50	0.21	84.50	0.14
42.75	0.56	56.75	0.32	70.75	0.21	84.75	0.14
43.00	0.56	57.00	0.32	71.00	0.20	85.00	0.14
43.25	0.55	57.25	0.31	71.25	0.20	85.25	0.14
43.50	0.54	57.50	0.31	71.50	0.20	85.50	0.14
43.75	0.54	57.75	0.31	71.75	0.20	85.75	0.14
44.00	0.53	58.00	0.31	72.00	0.20	86.00	0.14
44.25	0.53	58.25	0.30	72.25	0.20	86.25	0.14
44.50	0.52	58.50	0.30	72.50	0.20	86.50	0.14
44.75	0.51	58.75	0.30	72.75	0.19	86.75	0.14
45.00	0.51	59.00	0.30	73.00	0.19	87.00	0.14
45.25	0.50	59.25	0.29	73.25	0.19	87.25	0.14
45.50	0.50	59.50	0.29	73.50	0.19	87.50	0.13
45.75	0.49	59.75	0.29	73.75	0.19	87.75	0.13
46.00	0.49	60.00	0.29	74.00	0.19	88.00	0.13
46.25	0.48	60.25	0.28	74.25	0.19	88.25	0.13
46.50	0.48	60.50	0.28	74.50	0.19	88.50	0.13
46.75	0.47	60.75	0.28	74.75	0.18	88.75	0.13
47.00	0.47	61.00	0.28	75.00	0.18	89.00	0.13
47.25	0.46	61.25	0.27	75.25	0.18	89.25	0.13
47.50	0.46	61.50	0.27	75.50	0.18	89.50	0.13
47.75	0.45	61.75	0.27	75.75	0.18	89.75	0.13
48.00	0.45	62.00	0.27	76.00	0.18	90.00	0.13
48.25	0.44	62.25	0.27	76.25	0.18	90.25	0.13
48.50	0.44	62.50	0.26	76.50	0.18	90.50	0.13
48.75	0.43	62.75	0.26	76.75	0.17	90.75	0.13
49.00	0.43	63.00	0.26	77.00	0.17	91.00	0.12
49.25	0.42	63.25	0.26	77.25	0.17	91.25	0.12
49.50	0.42	63.50	0.26	77.50	0.17	91.50	0.12
49.75	0.42	63.75	0.25	77.75	0.17	91.75	0.12
50.00	0.41	64.00	0.25	78.00	0.17	92.00	0.12
50.25	0.41	64.25	0.25	78.25	0.17	92.25	0.12
50.50	0.40	64.50	0.25	78.50	0.17	92.50	0.12
50.75	0.40	64.75	0.25	78.75	0.17	92.75	0.12
51.00	0.40	65.00	0.24	79.00	0.17	93.00	0.12
51.25	0.39	65.25	0.24	79.25	0.16	93.25	0.12
51.50	0.39	65.50	0.24	79.50	0.16	93.50	0.12
51.75	0.38	65.75	0.24	79.75	0.16	93.75	0.12
52.00	0.38	66.00	0.24	80.00	0.16	94.00	0.12
52.25	0.38	66.25	0.23	80.25	0.16	94.25	0.12
52.50	0.37	66.50	0.23	80.50	0.16	94.50	0.12
52.75	0.37	66.75	0.23	80.75	0.16	94.75	0.11
53.00	0.37	67.00	0.23	81.00	0.16	95.00	0.11
53.25	0.36	67.25	0.23	81.25	0.16	95.25	0.11
53.50	0.36	67.50	0.23	81.50	0.16	95.50	0.11
53.75	0.36	67.75	0.22	81.75	0.15	95.75	0.11
54.00	0.35	68.00	0.22	82.00	0.15	96.00	0.11

Table 6 – 70%

SMART Meter Power Density Computer Modeling

(8 SMART Meters – 100% reflections)

Meters 8 Electric SMART Meters

Time Avg: 80% % Reflection 100%

Distance where limits are exceeded			
FCC ft.	1.32	15.8	Inches
BioInitiative ft.	108.50	1302.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	9419.52	10.25	11.20	20.25	2.87	30.25	1.29
0.50	3767.81	10.50	10.67	20.50	2.80	30.50	1.27
0.75	1883.90	10.75	10.18	20.75	2.73	30.75	1.25
1.00	1108.18	11.00	9.73	21.00	2.67	31.00	1.23
1.25	724.58	11.25	9.30	21.25	2.61	31.25	1.21
1.50	509.16	11.50	8.90	21.50	2.55	31.50	1.19
1.75	376.78	11.75	8.52	21.75	2.49	31.75	1.17
2.00	289.83	12.00	8.17	22.00	2.43	32.00	1.15
2.25	229.74	12.25	7.84	22.25	2.38	32.25	1.13
2.50	186.53	12.50	7.53	22.50	2.33	32.50	1.11
2.75	154.42	12.75	7.24	22.75	2.27	32.75	1.10
3.00	129.92	13.00	6.96	23.00	2.23	33.00	1.08
3.25	110.82	13.25	6.70	23.25	2.18	33.25	1.06
3.50	95.63	13.50	6.46	23.50	2.13	33.50	1.05
3.75	83.36	13.75	6.23	23.75	2.09	33.75	1.03
4.00	73.30	14.00	6.01	24.00	2.04	34.00	1.02
4.25	64.96	14.25	5.80	24.25	2.00	34.25	1.00
4.50	57.97	14.50	5.60	24.50	1.96	34.50	0.99
4.75	52.04	14.75	5.41	24.75	1.92	34.75	0.98
5.00	46.98	15.00	5.23	25.00	1.88	35.00	0.96
5.25	42.62	15.25	5.06	25.25	1.85	35.25	0.95
5.50	38.84	15.50	4.90	25.50	1.81	35.50	0.93
5.75	35.55	15.75	4.75	25.75	1.78	35.75	0.92
6.00	32.65	16.00	4.60	26.00	1.74	36.00	0.91
6.25	30.09	16.25	4.46	26.25	1.71	36.25	0.90
6.50	27.83	16.50	4.32	26.50	1.68	36.50	0.88
6.75	25.81	16.75	4.20	26.75	1.65	36.75	0.87
7.00	24.00	17.00	4.07	27.00	1.62	37.00	0.86
7.25	22.37	17.25	3.96	27.25	1.59	37.25	0.85
7.50	20.91	17.50	3.84	27.50	1.56	37.50	0.84
7.75	19.58	17.75	3.74	27.75	1.53	37.75	0.83
8.00	18.38	18.00	3.63	28.00	1.50	38.00	0.82
8.25	17.28	18.25	3.53	28.25	1.48	38.25	0.80
8.50	16.28	18.50	3.44	28.50	1.45	38.50	0.79
8.75	15.37	18.75	3.35	28.75	1.42	38.75	0.78
9.00	14.53	19.00	3.26	29.00	1.40	39.00	0.77
9.25	13.75	19.25	3.18	29.25	1.38	39.25	0.76
9.50	13.04	19.50	3.10	29.50	1.35	39.50	0.75
9.75	12.38	19.75	3.02	29.75	1.33	39.75	0.75
10.00	11.77	20.00	2.94	30.00	1.31	40.00	0.74

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 6 – 80%

SMART Meter Power Density Computer Modeling

(8 SMART Meters – 100% reflections)

Meters 8 Electric SMART Meters
Time Avg: 80% % Reflection 100%

Distance where limits are exceeded			
FCC ft. 1.32		15.81 Inches	
BioInitiative ft. 108.50		1302.00 Inches	

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.73	54.25	0.40	68.25	0.25	82.25	0.17
40.50	0.72	54.50	0.40	68.50	0.25	82.50	0.17
40.75	0.71	54.75	0.39	68.75	0.25	82.75	0.17
41.00	0.70	55.00	0.39	69.00	0.25	83.00	0.17
41.25	0.69	55.25	0.39	69.25	0.25	83.25	0.17
41.50	0.68	55.50	0.38	69.50	0.24	83.50	0.17
41.75	0.68	55.75	0.38	69.75	0.24	83.75	0.17
42.00	0.67	56.00	0.38	70.00	0.24	84.00	0.17
42.25	0.66	56.25	0.37	70.25	0.24	84.25	0.17
42.50	0.65	56.50	0.37	70.50	0.24	84.50	0.16
42.75	0.64	56.75	0.37	70.75	0.24	84.75	0.16
43.00	0.64	57.00	0.36	71.00	0.23	85.00	0.16
43.25	0.63	57.25	0.36	71.25	0.23	85.25	0.16
43.50	0.62	57.50	0.36	71.50	0.23	85.50	0.16
43.75	0.62	57.75	0.35	71.75	0.23	85.75	0.16
44.00	0.61	58.00	0.35	72.00	0.23	86.00	0.16
44.25	0.60	58.25	0.35	72.25	0.23	86.25	0.16
44.50	0.59	58.50	0.34	72.50	0.22	86.50	0.16
44.75	0.59	58.75	0.34	72.75	0.22	86.75	0.16
45.00	0.58	59.00	0.34	73.00	0.22	87.00	0.16
45.25	0.58	59.25	0.34	73.25	0.22	87.25	0.15
45.50	0.57	59.50	0.33	73.50	0.22	87.50	0.15
45.75	0.56	59.75	0.33	73.75	0.22	87.75	0.15
46.00	0.56	60.00	0.33	74.00	0.22	88.00	0.15
46.25	0.55	60.25	0.32	74.25	0.21	88.25	0.15
46.50	0.54	60.50	0.32	74.50	0.21	88.50	0.15
46.75	0.54	60.75	0.32	74.75	0.21	88.75	0.15
47.00	0.53	61.00	0.32	75.00	0.21	89.00	0.15
47.25	0.53	61.25	0.31	75.25	0.21	89.25	0.15
47.50	0.52	61.50	0.31	75.50	0.21	89.50	0.15
47.75	0.52	61.75	0.31	75.75	0.21	89.75	0.15
48.00	0.51	62.00	0.31	76.00	0.20	90.00	0.15
48.25	0.51	62.25	0.30	76.25	0.20	90.25	0.14
48.50	0.50	62.50	0.30	76.50	0.20	90.50	0.14
48.75	0.50	62.75	0.30	76.75	0.20	90.75	0.14
49.00	0.49	63.00	0.30	77.00	0.20	91.00	0.14
49.25	0.49	63.25	0.29	77.25	0.20	91.25	0.14
49.50	0.48	63.50	0.29	77.50	0.20	91.50	0.14
49.75	0.48	63.75	0.29	77.75	0.19	91.75	0.14
50.00	0.47	64.00	0.29	78.00	0.19	92.00	0.14
50.25	0.47	64.25	0.29	78.25	0.19	92.25	0.14
50.50	0.46	64.50	0.28	78.50	0.19	92.50	0.14
50.75	0.46	64.75	0.28	78.75	0.19	92.75	0.14
51.00	0.45	65.00	0.28	79.00	0.19	93.00	0.14
51.25	0.45	65.25	0.28	79.25	0.19	93.25	0.14
51.50	0.44	65.50	0.27	79.50	0.19	93.50	0.13
51.75	0.44	65.75	0.27	79.75	0.19	93.75	0.13
52.00	0.44	66.00	0.27	80.00	0.18	94.00	0.13
52.25	0.43	66.25	0.27	80.25	0.18	94.25	0.13
52.50	0.43	66.50	0.27	80.50	0.18	94.50	0.13
52.75	0.42	66.75	0.26	80.75	0.18	94.75	0.13
53.00	0.42	67.00	0.26	81.00	0.18	95.00	0.13
53.25	0.42	67.25	0.26	81.25	0.18	95.25	0.13
53.50	0.41	67.50	0.26	81.50	0.18	95.50	0.13
53.75	0.41	67.75	0.26	81.75	0.18	95.75	0.13
54.00	0.40	68.00	0.25	82.00	0.18	96.00	0.13

Table 6 – 80%

SMART Meter Power Density Computer Modeling

(8 SMART Meters – 100% reflections)

Meters 8 Electric SMART Meters

Time Avg: 90% % Reflection 100%

Distance where limits are exceeded			
FCC ft.	1.40	16.8	Inches
BioInitiative ft.	115.00	1380.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	10596.96	10.25	12.60	20.25	3.23	30.25	1.45
0.50	4238.79	10.50	12.01	20.50	3.15	30.50	1.42
0.75	2119.39	10.75	11.46	20.75	3.08	30.75	1.40
1.00	1246.70	11.00	10.94	21.00	3.00	31.00	1.38
1.25	815.15	11.25	10.46	21.25	2.93	31.25	1.36
1.50	572.81	11.50	10.01	21.50	2.87	31.50	1.33
1.75	423.88	11.75	9.59	21.75	2.80	31.75	1.31
2.00	326.06	12.00	9.19	22.00	2.74	32.00	1.29
2.25	258.46	12.25	8.82	22.25	2.68	32.25	1.27
2.50	209.84	12.50	8.47	22.50	2.62	32.50	1.25
2.75	173.72	12.75	8.15	22.75	2.56	32.75	1.23
3.00	146.17	13.00	7.84	23.00	2.50	33.00	1.22
3.25	124.67	13.25	7.54	23.25	2.45	33.25	1.20
3.50	107.58	13.50	7.27	23.50	2.40	33.50	1.18
3.75	93.78	13.75	7.00	23.75	2.35	33.75	1.16
4.00	82.47	14.00	6.76	24.00	2.30	34.00	1.15
4.25	73.08	14.25	6.52	24.25	2.25	34.25	1.13
4.50	65.21	14.50	6.30	24.50	2.21	34.50	1.11
4.75	58.55	14.75	6.09	24.75	2.16	34.75	1.10
5.00	52.85	15.00	5.89	25.00	2.12	35.00	1.08
5.25	47.95	15.25	5.69	25.25	2.08	35.25	1.07
5.50	43.70	15.50	5.51	25.50	2.04	35.50	1.05
5.75	39.99	15.75	5.34	25.75	2.00	35.75	1.04
6.00	36.73	16.00	5.17	26.00	1.96	36.00	1.02
6.25	33.86	16.25	5.02	26.25	1.92	36.25	1.01
6.50	31.31	16.50	4.86	26.50	1.89	36.50	0.99
6.75	29.03	16.75	4.72	26.75	1.85	36.75	0.98
7.00	27.00	17.00	4.58	27.00	1.82	37.00	0.97
7.25	25.17	17.25	4.45	27.25	1.78	37.25	0.95
7.50	23.52	17.50	4.32	27.50	1.75	37.50	0.94
7.75	22.03	17.75	4.20	27.75	1.72	37.75	0.93
8.00	20.68	18.00	4.09	28.00	1.69	38.00	0.92
8.25	19.44	18.25	3.98	28.25	1.66	38.25	0.91
8.50	18.32	18.50	3.87	28.50	1.63	38.50	0.89
8.75	17.29	18.75	3.77	28.75	1.60	38.75	0.88
9.00	16.34	19.00	3.67	29.00	1.57	39.00	0.87
9.25	15.47	19.25	3.57	29.25	1.55	39.25	0.86
9.50	14.67	19.50	3.48	29.50	1.52	39.50	0.85
9.75	13.93	19.75	3.40	29.75	1.50	39.75	0.84
10.00	13.24	20.00	3.31	30.00	1.47	40.00	0.83

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 6 – 90%

SMART Meter Power Density Computer Modeling

(8 SMART Meters – 100% reflections)

Meters 8 Electric SMART Meters
Time Avg: 90% % Reflection 100%

Distance where limits are exceeded			
FCC ft. 1.40		16.81 Inches	
BioInitiative ft. 115.00		1380.00 Inches	

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.82	54.25	0.45	68.25	0.28	82.25	0.20
40.50	0.81	54.50	0.45	68.50	0.28	82.50	0.19
40.75	0.80	54.75	0.44	68.75	0.28	82.75	0.19
41.00	0.79	55.00	0.44	69.00	0.28	83.00	0.19
41.25	0.78	55.25	0.43	69.25	0.28	83.25	0.19
41.50	0.77	55.50	0.43	69.50	0.27	83.50	0.19
41.75	0.76	55.75	0.43	69.75	0.27	83.75	0.19
42.00	0.75	56.00	0.42	70.00	0.27	84.00	0.19
42.25	0.74	56.25	0.42	70.25	0.27	84.25	0.19
42.50	0.73	56.50	0.41	70.50	0.27	84.50	0.19
42.75	0.72	56.75	0.41	70.75	0.26	84.75	0.18
43.00	0.72	57.00	0.41	71.00	0.26	85.00	0.18
43.25	0.71	57.25	0.40	71.25	0.26	85.25	0.18
43.50	0.70	57.50	0.40	71.50	0.26	85.50	0.18
43.75	0.69	57.75	0.40	71.75	0.26	85.75	0.18
44.00	0.68	58.00	0.39	72.00	0.26	86.00	0.18
44.25	0.68	58.25	0.39	72.25	0.25	86.25	0.18
44.50	0.67	58.50	0.39	72.50	0.25	86.50	0.18
44.75	0.66	58.75	0.38	72.75	0.25	86.75	0.18
45.00	0.65	59.00	0.38	73.00	0.25	87.00	0.18
45.25	0.65	59.25	0.38	73.25	0.25	87.25	0.17
45.50	0.64	59.50	0.37	73.50	0.25	87.50	0.17
45.75	0.63	59.75	0.37	73.75	0.24	87.75	0.17
46.00	0.63	60.00	0.37	74.00	0.24	88.00	0.17
46.25	0.62	60.25	0.36	74.25	0.24	88.25	0.17
46.50	0.61	60.50	0.36	74.50	0.24	88.50	0.17
46.75	0.61	60.75	0.36	74.75	0.24	88.75	0.17
47.00	0.60	61.00	0.36	75.00	0.24	89.00	0.17
47.25	0.59	61.25	0.35	75.25	0.23	89.25	0.17
47.50	0.59	61.50	0.35	75.50	0.23	89.50	0.17
47.75	0.58	61.75	0.35	75.75	0.23	89.75	0.16
48.00	0.57	62.00	0.34	76.00	0.23	90.00	0.16
48.25	0.57	62.25	0.34	76.25	0.23	90.25	0.16
48.50	0.56	62.50	0.34	76.50	0.23	90.50	0.16
48.75	0.56	62.75	0.34	76.75	0.22	90.75	0.16
49.00	0.55	63.00	0.33	77.00	0.22	91.00	0.16
49.25	0.55	63.25	0.33	77.25	0.22	91.25	0.16
49.50	0.54	63.50	0.33	77.50	0.22	91.50	0.16
49.75	0.54	63.75	0.33	77.75	0.22	91.75	0.16
50.00	0.53	64.00	0.32	78.00	0.22	92.00	0.16
50.25	0.52	64.25	0.32	78.25	0.22	92.25	0.16
50.50	0.52	64.50	0.32	78.50	0.21	92.50	0.15
50.75	0.51	64.75	0.32	78.75	0.21	92.75	0.15
51.00	0.51	65.00	0.31	79.00	0.21	93.00	0.15
51.25	0.50	65.25	0.31	79.25	0.21	93.25	0.15
51.50	0.50	65.50	0.31	79.50	0.21	93.50	0.15
51.75	0.49	65.75	0.31	79.75	0.21	93.75	0.15
52.00	0.49	66.00	0.30	80.00	0.21	94.00	0.15
52.25	0.49	66.25	0.30	80.25	0.21	94.25	0.15
52.50	0.48	66.50	0.30	80.50	0.20	94.50	0.15
52.75	0.48	66.75	0.30	80.75	0.20	94.75	0.15
53.00	0.47	67.00	0.30	81.00	0.20	95.00	0.15
53.25	0.47	67.25	0.29	81.25	0.20	95.25	0.15
53.50	0.46	67.50	0.29	81.50	0.20	95.50	0.15
53.75	0.46	67.75	0.29	81.75	0.20	95.75	0.14
54.00	0.45	68.00	0.29	82.00	0.20	96.00	0.14

Table 6 – 90%

SMART Meter Power Density Computer Modeling

(8 SMART Meters – 1000% reflections)

Meters 8 Electric SMART Meters

Time Avg: 1% % Reflection 1000%

Distance where limits are exceeded			
FCC ft.	0.79	9.4	Inches
BioInitiative ft.	66.70	800.4	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	3561.76	10.25	4.24	20.25	1.09	30.25	0.49
0.50	1424.70	10.50	4.04	20.50	1.06	30.50	0.48
0.75	712.35	10.75	3.85	20.75	1.03	30.75	0.47
1.00	419.03	11.00	3.68	21.00	1.01	31.00	0.46
1.25	273.98	11.25	3.52	21.25	0.99	31.25	0.46
1.50	192.53	11.50	3.36	21.50	0.96	31.50	0.45
1.75	142.47	11.75	3.22	21.75	0.94	31.75	0.44
2.00	109.59	12.00	3.09	22.00	0.92	32.00	0.43
2.25	86.87	12.25	2.97	22.25	0.90	32.25	0.43
2.50	70.53	12.50	2.85	22.50	0.88	32.50	0.42
2.75	58.39	12.75	2.74	22.75	0.86	32.75	0.42
3.00	49.13	13.00	2.63	23.00	0.84	33.00	0.41
3.25	41.90	13.25	2.54	23.25	0.82	33.25	0.40
3.50	36.16	13.50	2.44	23.50	0.81	33.50	0.40
3.75	31.52	13.75	2.35	23.75	0.79	33.75	0.39
4.00	27.72	14.00	2.27	24.00	0.77	34.00	0.39
4.25	24.56	14.25	2.19	24.25	0.76	34.25	0.38
4.50	21.92	14.50	2.12	24.50	0.74	34.50	0.37
4.75	19.68	14.75	2.05	24.75	0.73	34.75	0.37
5.00	17.76	15.00	1.98	25.00	0.71	35.00	0.36
5.25	16.12	15.25	1.91	25.25	0.70	35.25	0.36
5.50	14.69	15.50	1.85	25.50	0.68	35.50	0.35
5.75	13.44	15.75	1.79	25.75	0.67	35.75	0.35
6.00	12.35	16.00	1.74	26.00	0.66	36.00	0.34
6.25	11.38	16.25	1.69	26.25	0.65	36.25	0.34
6.50	10.52	16.50	1.63	26.50	0.63	36.50	0.33
6.75	9.76	16.75	1.59	26.75	0.62	36.75	0.33
7.00	9.07	17.00	1.54	27.00	0.61	37.00	0.33
7.25	8.46	17.25	1.50	27.25	0.60	37.25	0.32
7.50	7.91	17.50	1.45	27.50	0.59	37.50	0.32
7.75	7.40	17.75	1.41	27.75	0.58	37.75	0.31
8.00	6.95	18.00	1.37	28.00	0.57	38.00	0.31
8.25	6.54	18.25	1.34	28.25	0.56	38.25	0.30
8.50	6.16	18.50	1.30	28.50	0.55	38.50	0.30
8.75	5.81	18.75	1.27	28.75	0.54	38.75	0.30
9.00	5.49	19.00	1.23	29.00	0.53	39.00	0.29
9.25	5.20	19.25	1.20	29.25	0.52	39.25	0.29
9.50	4.93	19.50	1.17	29.50	0.51	39.50	0.29
9.75	4.68	19.75	1.14	29.75	0.50	39.75	0.28
10.00	4.45	20.00	1.11	30.00	0.49	40.00	0.28

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 7 – 1%

SMART Meter Power Density Computer Modeling

(8 SMART Meters – 1000% reflections)

Meters 8 Electric SMART Meters

Time Avg: 1% % Reflection 1000%

Distance where limits are exceeded			
FCC ft. 0.79		9.43 Inches	
BioInitiative ft. 66.70		800.40 Inches	

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.27	54.25	0.15	68.25	0.10	82.25	0.07
40.50	0.27	54.50	0.15	68.50	0.09	82.50	0.07
40.75	0.27	54.75	0.15	68.75	0.09	82.75	0.07
41.00	0.26	55.00	0.15	69.00	0.09	83.00	0.06
41.25	0.26	55.25	0.15	69.25	0.09	83.25	0.06
41.50	0.26	55.50	0.14	69.50	0.09	83.50	0.06
41.75	0.26	55.75	0.14	69.75	0.09	83.75	0.06
42.00	0.25	56.00	0.14	70.00	0.09	84.00	0.06
42.25	0.25	56.25	0.14	70.25	0.09	84.25	0.06
42.50	0.25	56.50	0.14	70.50	0.09	84.50	0.06
42.75	0.24	56.75	0.14	70.75	0.09	84.75	0.06
43.00	0.24	57.00	0.14	71.00	0.09	85.00	0.06
43.25	0.24	57.25	0.14	71.25	0.09	85.25	0.06
43.50	0.24	57.50	0.13	71.50	0.09	85.50	0.06
43.75	0.23	57.75	0.13	71.75	0.09	85.75	0.06
44.00	0.23	58.00	0.13	72.00	0.09	86.00	0.06
44.25	0.23	58.25	0.13	72.25	0.09	86.25	0.06
44.50	0.22	58.50	0.13	72.50	0.08	86.50	0.06
44.75	0.22	58.75	0.13	72.75	0.08	86.75	0.06
45.00	0.22	59.00	0.13	73.00	0.08	87.00	0.06
45.25	0.22	59.25	0.13	73.25	0.08	87.25	0.06
45.50	0.22	59.50	0.13	73.50	0.08	87.50	0.06
45.75	0.21	59.75	0.12	73.75	0.08	87.75	0.06
46.00	0.21	60.00	0.12	74.00	0.08	88.00	0.06
46.25	0.21	60.25	0.12	74.25	0.08	88.25	0.06
46.50	0.21	60.50	0.12	74.50	0.08	88.50	0.06
46.75	0.20	60.75	0.12	74.75	0.08	88.75	0.06
47.00	0.20	61.00	0.12	75.00	0.08	89.00	0.06
47.25	0.20	61.25	0.12	75.25	0.08	89.25	0.06
47.50	0.20	61.50	0.12	75.50	0.08	89.50	0.06
47.75	0.20	61.75	0.12	75.75	0.08	89.75	0.06
48.00	0.19	62.00	0.12	76.00	0.08	90.00	0.05
48.25	0.19	62.25	0.11	76.25	0.08	90.25	0.05
48.50	0.19	62.50	0.11	76.50	0.08	90.50	0.05
48.75	0.19	62.75	0.11	76.75	0.08	90.75	0.05
49.00	0.19	63.00	0.11	77.00	0.08	91.00	0.05
49.25	0.18	63.25	0.11	77.25	0.07	91.25	0.05
49.50	0.18	63.50	0.11	77.50	0.07	91.50	0.05
49.75	0.18	63.75	0.11	77.75	0.07	91.75	0.05
50.00	0.18	64.00	0.11	78.00	0.07	92.00	0.05
50.25	0.18	64.25	0.11	78.25	0.07	92.25	0.05
50.50	0.17	64.50	0.11	78.50	0.07	92.50	0.05
50.75	0.17	64.75	0.11	78.75	0.07	92.75	0.05
51.00	0.17	65.00	0.11	79.00	0.07	93.00	0.05
51.25	0.17	65.25	0.10	79.25	0.07	93.25	0.05
51.50	0.17	65.50	0.10	79.50	0.07	93.50	0.05
51.75	0.17	65.75	0.10	79.75	0.07	93.75	0.05
52.00	0.16	66.00	0.10	80.00	0.07	94.00	0.05
52.25	0.16	66.25	0.10	80.25	0.07	94.25	0.05
52.50	0.16	66.50	0.10	80.50	0.07	94.50	0.05
52.75	0.16	66.75	0.10	80.75	0.07	94.75	0.05
53.00	0.16	67.00	0.10	81.00	0.07	95.00	0.05
53.25	0.16	67.25	0.10	81.25	0.07	95.25	0.05
53.50	0.16	67.50	0.10	81.50	0.07	95.50	0.05
53.75	0.15	67.75	0.10	81.75	0.07	95.75	0.05
54.00	0.15	68.00	0.10	82.00	0.07	96.00	0.05

Table 7 – 1%

SMART Meter Power Density Computer Modeling

(8 SMART Meters – 1000% reflections)

Meters 8 Electric SMART Meters

Time Avg: 10% % Reflection 1000%

Distance where limits are exceeded			
FCC ft.	2.60	31.2	Inches
BioInitiative ft.	211.00	2532.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	35617.57	10.25	42.35	20.25	10.86	30.25	4.87
0.50	14247.03	10.50	40.36	20.50	10.59	30.50	4.79
0.75	7123.51	10.75	38.51	20.75	10.34	30.75	4.71
1.00	4190.30	11.00	36.78	21.00	10.09	31.00	4.63
1.25	2739.81	11.25	35.16	21.25	9.86	31.25	4.56
1.50	1925.27	11.50	33.65	21.50	9.63	31.50	4.49
1.75	1424.70	11.75	32.23	21.75	9.41	31.75	4.42
2.00	1095.93	12.00	30.90	22.00	9.20	32.00	4.35
2.25	868.72	12.25	29.66	22.25	8.99	32.25	4.28
2.50	705.30	12.50	28.48	22.50	8.79	32.50	4.21
2.75	583.89	12.75	27.38	22.75	8.60	32.75	4.15
3.00	491.28	13.00	26.33	23.00	8.42	33.00	4.09
3.25	419.03	13.25	25.35	23.25	8.24	33.25	4.03
3.50	361.60	13.50	24.42	23.50	8.06	33.50	3.97
3.75	315.20	13.75	23.54	23.75	7.89	33.75	3.91
4.00	277.18	14.00	22.71	24.00	7.73	34.00	3.85
4.25	245.64	14.25	21.92	24.25	7.57	34.25	3.80
4.50	219.19	14.50	21.17	24.50	7.42	34.50	3.74
4.75	196.78	14.75	20.46	24.75	7.27	34.75	3.69
5.00	177.64	15.00	19.78	25.00	7.12	35.00	3.63
5.25	161.17	15.25	19.14	25.25	6.98	35.25	3.58
5.50	146.88	15.50	18.53	25.50	6.85	35.50	3.53
5.75	134.41	15.75	17.94	25.75	6.71	35.75	3.48
6.00	123.46	16.00	17.39	26.00	6.59	36.00	3.44
6.25	113.79	16.25	16.86	26.25	6.46	36.25	3.39
6.50	105.22	16.50	16.35	26.50	6.34	36.50	3.34
6.75	97.58	16.75	15.87	26.75	6.22	36.75	3.30
7.00	90.75	17.00	15.40	27.00	6.11	37.00	3.25
7.25	84.60	17.25	14.96	27.25	6.00	37.25	3.21
7.50	79.06	17.50	14.53	27.50	5.89	37.50	3.17
7.75	74.05	17.75	14.13	27.75	5.78	37.75	3.12
8.00	69.50	18.00	13.74	28.00	5.68	38.00	3.08
8.25	65.35	18.25	13.36	28.25	5.58	38.25	3.04
8.50	61.57	18.50	13.01	28.50	5.48	38.50	3.00
8.75	58.10	18.75	12.66	28.75	5.39	38.75	2.96
9.00	54.92	19.00	12.33	29.00	5.29	39.00	2.93
9.25	52.00	19.25	12.01	29.25	5.20	39.25	2.89
9.50	49.30	19.50	11.71	29.50	5.12	39.50	2.85
9.75	46.80	19.75	11.41	29.75	5.03	39.75	2.82
10.00	44.49	20.00	11.13	30.00	4.95	40.00	2.78

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 7 – 10%

SMART Meter Power Density Computer Modeling

(8 SMART Meters – 1000% reflections)

Meters 8 Electric SMART Meters

Time Avg: 10% % Reflection 1000%

Distance where limits are exceeded			
FCC ft. 2.60		31.15 Inches	
BioInitiative ft. 211.00		2532.00 Inches	

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	2.75	54.25	1.51	68.25	0.96	82.25	0.66
40.50	2.71	54.50	1.50	68.50	0.95	82.50	0.65
40.75	2.68	54.75	1.49	68.75	0.94	82.75	0.65
41.00	2.65	55.00	1.47	69.00	0.94	83.00	0.65
41.25	2.62	55.25	1.46	69.25	0.93	83.25	0.64
41.50	2.59	55.50	1.45	69.50	0.92	83.50	0.64
41.75	2.55	55.75	1.43	69.75	0.92	83.75	0.63
42.00	2.52	56.00	1.42	70.00	0.91	84.00	0.63
42.25	2.49	56.25	1.41	70.25	0.90	84.25	0.63
42.50	2.46	56.50	1.39	70.50	0.90	84.50	0.62
42.75	2.44	56.75	1.38	70.75	0.89	84.75	0.62
43.00	2.41	57.00	1.37	71.00	0.88	85.00	0.62
43.25	2.38	57.25	1.36	71.25	0.88	85.25	0.61
43.50	2.35	57.50	1.35	71.50	0.87	85.50	0.61
43.75	2.33	57.75	1.33	71.75	0.86	85.75	0.61
44.00	2.30	58.00	1.32	72.00	0.86	86.00	0.60
44.25	2.27	58.25	1.31	72.25	0.85	86.25	0.60
44.50	2.25	58.50	1.30	72.50	0.85	86.50	0.60
44.75	2.22	58.75	1.29	72.75	0.84	86.75	0.59
45.00	2.20	59.00	1.28	73.00	0.84	87.00	0.59
45.25	2.17	59.25	1.27	73.25	0.83	87.25	0.58
45.50	2.15	59.50	1.26	73.50	0.82	87.50	0.58
45.75	2.13	59.75	1.25	73.75	0.82	87.75	0.58
46.00	2.10	60.00	1.24	74.00	0.81	88.00	0.57
46.25	2.08	60.25	1.23	74.25	0.81	88.25	0.57
46.50	2.06	60.50	1.22	74.50	0.80	88.50	0.57
46.75	2.04	60.75	1.21	74.75	0.80	88.75	0.57
47.00	2.02	61.00	1.20	75.00	0.79	89.00	0.56
47.25	1.99	61.25	1.19	75.25	0.79	89.25	0.56
47.50	1.97	61.50	1.18	75.50	0.78	89.50	0.56
47.75	1.95	61.75	1.17	75.75	0.78	89.75	0.55
48.00	1.93	62.00	1.16	76.00	0.77	90.00	0.55
48.25	1.91	62.25	1.15	76.25	0.77	90.25	0.55
48.50	1.89	62.50	1.14	76.50	0.76	90.50	0.54
48.75	1.87	62.75	1.13	76.75	0.76	90.75	0.54
49.00	1.85	63.00	1.12	77.00	0.75	91.00	0.54
49.25	1.84	63.25	1.11	77.25	0.75	91.25	0.53
49.50	1.82	63.50	1.10	77.50	0.74	91.50	0.53
49.75	1.80	63.75	1.10	77.75	0.74	91.75	0.53
50.00	1.78	64.00	1.09	78.00	0.73	92.00	0.53
50.25	1.76	64.25	1.08	78.25	0.73	92.25	0.52
50.50	1.75	64.50	1.07	78.50	0.72	92.50	0.52
50.75	1.73	64.75	1.06	78.75	0.72	92.75	0.52
51.00	1.71	65.00	1.05	79.00	0.71	93.00	0.51
51.25	1.70	65.25	1.05	79.25	0.71	93.25	0.51
51.50	1.68	65.50	1.04	79.50	0.70	93.50	0.51
51.75	1.66	65.75	1.03	79.75	0.70	93.75	0.51
52.00	1.65	66.00	1.02	80.00	0.70	94.00	0.50
52.25	1.63	66.25	1.01	80.25	0.69	94.25	0.50
52.50	1.62	66.50	1.01	80.50	0.69	94.50	0.50
52.75	1.60	66.75	1.00	80.75	0.68	94.75	0.50
53.00	1.58	67.00	0.99	81.00	0.68	95.00	0.49
53.25	1.57	67.25	0.98	81.25	0.67	95.25	0.49
53.50	1.56	67.50	0.98	81.50	0.67	95.50	0.49
53.75	1.54	67.75	0.97	81.75	0.67	95.75	0.49
54.00	1.53	68.00	0.96	82.00	0.66	96.00	0.48

Table 7 – 10%

SMART Meter Power Density Computer Modeling

(8 SMART Meters – 1000% reflections)

Meters 8 Electric SMART Meters

Time Avg: 20% % Reflection 1000%

Distance where limits are exceeded			
FCC ft.	3.68	44.2	Inches
BioInitiative ft.	298.00	3576.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	71235.15	10.25	84.70	20.25	21.71	30.25	9.73
0.50	28494.06	10.50	80.72	20.50	21.19	30.50	9.57
0.75	14247.03	10.75	77.01	20.75	20.68	30.75	9.42
1.00	8380.61	11.00	73.55	21.00	20.19	31.00	9.27
1.25	5479.63	11.25	70.32	21.25	19.72	31.25	9.12
1.50	3850.55	11.50	67.30	21.50	19.26	31.50	8.97
1.75	2849.41	11.75	64.47	21.75	18.82	31.75	8.83
2.00	2191.85	12.00	61.81	22.00	18.40	32.00	8.70
2.25	1737.44	12.25	59.31	22.25	17.98	32.25	8.56
2.50	1410.60	12.50	56.97	22.50	17.59	32.50	8.43
2.75	1167.79	12.75	54.75	22.75	17.20	32.75	8.30
3.00	982.55	13.00	52.67	23.00	16.83	33.00	8.18
3.25	838.06	13.25	50.70	23.25	16.47	33.25	8.05
3.50	723.20	13.50	48.84	23.50	16.12	33.50	7.93
3.75	630.40	13.75	47.08	23.75	15.78	33.75	7.82
4.00	554.36	14.00	45.42	24.00	15.46	34.00	7.70
4.25	491.28	14.25	43.84	24.25	15.14	34.25	7.59
4.50	438.37	14.50	42.34	24.50	14.83	34.50	7.48
4.75	393.56	14.75	40.92	24.75	14.53	34.75	7.37
5.00	355.29	15.00	39.56	25.00	14.25	35.00	7.27
5.25	322.33	15.25	38.28	25.25	13.96	35.25	7.17
5.50	293.75	15.50	37.05	25.50	13.69	35.50	7.07
5.75	268.81	15.75	35.89	25.75	13.43	35.75	6.97
6.00	246.92	16.00	34.77	26.00	13.17	36.00	6.87
6.25	227.59	16.25	33.71	26.25	12.92	36.25	6.78
6.50	210.44	16.50	32.70	26.50	12.68	36.50	6.68
6.75	195.16	16.75	31.73	26.75	12.44	36.75	6.59
7.00	181.49	17.00	30.80	27.00	12.21	37.00	6.50
7.25	169.20	17.25	29.92	27.25	11.99	37.25	6.42
7.50	158.12	17.50	29.07	27.50	11.77	37.50	6.33
7.75	148.10	17.75	28.26	27.75	11.56	37.75	6.25
8.00	139.00	18.00	27.48	28.00	11.36	38.00	6.17
8.25	130.71	18.25	26.73	28.25	11.16	38.25	6.09
8.50	123.14	18.50	26.01	28.50	10.96	38.50	6.01
8.75	116.21	18.75	25.32	28.75	10.77	38.75	5.93
9.00	109.85	19.00	24.66	29.00	10.59	39.00	5.85
9.25	103.99	19.25	24.03	29.25	10.41	39.25	5.78
9.50	98.60	19.50	23.41	29.50	10.23	39.50	5.71
9.75	93.61	19.75	22.82	29.75	10.06	39.75	5.64
10.00	88.99	20.00	22.26	30.00	9.89	40.00	5.57

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 7 – 20%

SMART Meter Power Density Computer Modeling

(8 SMART Meters – 1000% reflections)

Meters 8 Electric SMART Meters
Time Avg: 20% % Reflection 1000%

Distance where limits are exceeded			
FCC ft. 3.68		44.16 Inches	
BioInitiative ft. 298.00		3576.00 Inches	

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	5.50	54.25	3.03	68.25	1.91	82.25	1.32
40.50	5.43	54.50	3.00	68.50	1.90	82.50	1.31
40.75	5.36	54.75	2.97	68.75	1.88	82.75	1.30
41.00	5.30	55.00	2.94	69.00	1.87	83.00	1.29
41.25	5.23	55.25	2.92	69.25	1.86	83.25	1.28
41.50	5.17	55.50	2.89	69.50	1.84	83.50	1.28
41.75	5.11	55.75	2.86	69.75	1.83	83.75	1.27
42.00	5.05	56.00	2.84	70.00	1.82	84.00	1.26
42.25	4.99	56.25	2.81	70.25	1.80	84.25	1.25
42.50	4.93	56.50	2.79	70.50	1.79	84.50	1.25
42.75	4.87	56.75	2.76	70.75	1.78	84.75	1.24
43.00	4.82	57.00	2.74	71.00	1.77	85.00	1.23
43.25	4.76	57.25	2.72	71.25	1.75	85.25	1.23
43.50	4.71	57.50	2.69	71.50	1.74	85.50	1.22
43.75	4.65	57.75	2.67	71.75	1.73	85.75	1.21
44.00	4.60	58.00	2.65	72.00	1.72	86.00	1.20
44.25	4.55	58.25	2.62	72.25	1.71	86.25	1.20
44.50	4.50	58.50	2.60	72.50	1.69	86.50	1.19
44.75	4.45	58.75	2.58	72.75	1.68	86.75	1.18
45.00	4.40	59.00	2.56	73.00	1.67	87.00	1.18
45.25	4.35	59.25	2.54	73.25	1.66	87.25	1.17
45.50	4.30	59.50	2.52	73.50	1.65	87.50	1.16
45.75	4.25	59.75	2.49	73.75	1.64	87.75	1.16
46.00	4.21	60.00	2.47	74.00	1.63	88.00	1.15
46.25	4.16	60.25	2.45	74.25	1.62	88.25	1.14
46.50	4.12	60.50	2.43	74.50	1.60	88.50	1.14
46.75	4.07	60.75	2.41	74.75	1.59	88.75	1.13
47.00	4.03	61.00	2.39	75.00	1.58	89.00	1.12
47.25	3.99	61.25	2.37	75.25	1.57	89.25	1.12
47.50	3.95	61.50	2.35	75.50	1.56	89.50	1.11
47.75	3.91	61.75	2.34	75.75	1.55	89.75	1.11
48.00	3.86	62.00	2.32	76.00	1.54	90.00	1.10
48.25	3.82	62.25	2.30	76.25	1.53	90.25	1.09
48.50	3.79	62.50	2.28	76.50	1.52	90.50	1.09
48.75	3.75	62.75	2.26	76.75	1.51	90.75	1.08
49.00	3.71	63.00	2.24	77.00	1.50	91.00	1.08
49.25	3.67	63.25	2.23	77.25	1.49	91.25	1.07
49.50	3.63	63.50	2.21	77.50	1.48	91.50	1.06
49.75	3.60	63.75	2.19	77.75	1.47	91.75	1.06
50.00	3.56	64.00	2.17	78.00	1.46	92.00	1.05
50.25	3.53	64.25	2.16	78.25	1.45	92.25	1.05
50.50	3.49	64.50	2.14	78.50	1.44	92.50	1.04
50.75	3.46	64.75	2.12	78.75	1.44	92.75	1.04
51.00	3.42	65.00	2.11	79.00	1.43	93.00	1.03
51.25	3.39	65.25	2.09	79.25	1.42	93.25	1.02
51.50	3.36	65.50	2.08	79.50	1.41	93.50	1.02
51.75	3.32	65.75	2.06	79.75	1.40	93.75	1.01
52.00	3.29	66.00	2.04	80.00	1.39	94.00	1.01
52.25	3.26	66.25	2.03	80.25	1.38	94.25	1.00
52.50	3.23	66.50	2.01	80.50	1.37	94.50	1.00
52.75	3.20	66.75	2.00	80.75	1.37	94.75	0.99
53.00	3.17	67.00	1.98	81.00	1.36	95.00	0.99
53.25	3.14	67.25	1.97	81.25	1.35	95.25	0.98
53.50	3.11	67.50	1.95	81.50	1.34	95.50	0.98
53.75	3.08	67.75	1.94	81.75	1.33	95.75	0.97
54.00	3.05	68.00	1.93	82.00	1.32	96.00	0.97

Table 7 – 20%

SMART Meter Power Density Computer Modeling

(8 SMART Meters – 1000% reflections)

Meters 8 Electric SMART Meters

Time Avg: 30% % Reflection 1000%

Distance where limits are exceeded			
FCC ft.	4.51	54.1	Inches
BioInitiative ft.	365.00	4380.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	106852.72	10.25	127.05	20.25	32.57	30.25	14.60
0.50	42741.09	10.50	121.08	20.50	31.78	30.50	14.36
0.75	21370.54	10.75	115.52	20.75	31.02	30.75	14.12
1.00	12570.91	11.00	110.33	21.00	30.28	31.00	13.90
1.25	8219.44	11.25	105.48	21.25	29.57	31.25	13.68
1.50	5775.82	11.50	100.95	21.50	28.89	31.50	13.46
1.75	4274.11	11.75	96.70	21.75	28.23	31.75	13.25
2.00	3287.78	12.00	92.71	22.00	27.59	32.00	13.04
2.25	2606.16	12.25	88.97	22.25	26.98	32.25	12.84
2.50	2115.90	12.50	85.45	22.50	26.38	32.50	12.64
2.75	1751.68	12.75	82.13	22.75	25.80	32.75	12.45
3.00	1473.83	13.00	79.00	23.00	25.25	33.00	12.26
3.25	1257.09	13.25	76.05	23.25	24.71	33.25	12.08
3.50	1084.80	13.50	73.26	23.50	24.18	33.50	11.90
3.75	945.60	13.75	70.62	23.75	23.68	33.75	11.73
4.00	831.54	14.00	68.12	24.00	23.19	34.00	11.55
4.25	736.92	14.25	65.76	24.25	22.71	34.25	11.39
4.50	657.56	14.50	63.51	24.50	22.25	34.50	11.22
4.75	590.35	14.75	61.37	24.75	21.80	34.75	11.06
5.00	532.93	15.00	59.35	25.00	21.37	35.00	10.90
5.25	483.50	15.25	57.42	25.25	20.95	35.25	10.75
5.50	440.63	15.50	55.58	25.50	20.54	35.50	10.60
5.75	403.22	15.75	53.83	25.75	20.14	35.75	10.45
6.00	370.37	16.00	52.16	26.00	19.76	36.00	10.31
6.25	341.38	16.25	50.57	26.25	19.38	36.25	10.16
6.50	315.67	16.50	49.05	26.50	19.02	36.50	10.03
6.75	292.75	16.75	47.60	26.75	18.66	36.75	9.89
7.00	272.24	17.00	46.21	27.00	18.32	37.00	9.76
7.25	253.81	17.25	44.88	27.25	17.99	37.25	9.63
7.50	237.19	17.50	43.60	27.50	17.66	37.50	9.50
7.75	222.15	17.75	42.39	27.75	17.34	37.75	9.37
8.00	208.49	18.00	41.22	28.00	17.04	38.00	9.25
8.25	196.06	18.25	40.09	28.25	16.73	38.25	9.13
8.50	184.71	18.50	39.02	28.50	16.44	38.50	9.01
8.75	174.31	18.75	37.99	28.75	16.16	38.75	8.89
9.00	164.77	19.00	36.99	29.00	15.88	39.00	8.78
9.25	155.99	19.25	36.04	29.25	15.61	39.25	8.67
9.50	147.89	19.50	35.12	29.50	15.35	39.50	8.56
9.75	140.41	19.75	34.24	29.75	15.09	39.75	8.45
10.00	133.48	20.00	33.39	30.00	14.84	40.00	8.35

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 7 – 30%

SMART Meter Power Density Computer Modeling

(8 SMART Meters – 1000% reflections)

Meters 8 Electric SMART Meters
Time Avg: 30% % Reflection 1000%

Distance where limits are exceeded
FCC ft. 4.51 54.13 Inches
BioInitiative ft. 365.00 4380.00 Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	8.24	54.25	4.54	68.25	2.87	82.25	1.97
40.50	8.14	54.50	4.50	68.50	2.85	82.50	1.96
40.75	8.04	54.75	4.46	68.75	2.83	82.75	1.95
41.00	7.95	55.00	4.42	69.00	2.81	83.00	1.94
41.25	7.85	55.25	4.38	69.25	2.79	83.25	1.93
41.50	7.76	55.50	4.34	69.50	2.77	83.50	1.92
41.75	7.66	55.75	4.30	69.75	2.75	83.75	1.90
42.00	7.57	56.00	4.26	70.00	2.73	84.00	1.89
42.25	7.48	56.25	4.22	70.25	2.71	84.25	1.88
42.50	7.39	56.50	4.18	70.50	2.69	84.50	1.87
42.75	7.31	56.75	4.15	70.75	2.67	84.75	1.86
43.00	7.22	57.00	4.11	71.00	2.65	85.00	1.85
43.25	7.14	57.25	4.08	71.25	2.63	85.25	1.84
43.50	7.06	57.50	4.04	71.50	2.61	85.50	1.83
43.75	6.98	57.75	4.00	71.75	2.59	85.75	1.82
44.00	6.90	58.00	3.97	72.00	2.58	86.00	1.81
44.25	6.82	58.25	3.94	72.25	2.56	86.25	1.80
44.50	6.74	58.50	3.90	72.50	2.54	86.50	1.79
44.75	6.67	58.75	3.87	72.75	2.52	86.75	1.77
45.00	6.60	59.00	3.84	73.00	2.51	87.00	1.76
45.25	6.52	59.25	3.80	73.25	2.49	87.25	1.75
45.50	6.45	59.50	3.77	73.50	2.47	87.50	1.74
45.75	6.38	59.75	3.74	73.75	2.46	87.75	1.73
46.00	6.31	60.00	3.71	74.00	2.44	88.00	1.72
46.25	6.24	60.25	3.68	74.25	2.42	88.25	1.71
46.50	6.18	60.50	3.65	74.50	2.41	88.50	1.71
46.75	6.11	60.75	3.62	74.75	2.39	88.75	1.70
47.00	6.05	61.00	3.59	75.00	2.37	89.00	1.69
47.25	5.98	61.25	3.56	75.25	2.36	89.25	1.68
47.50	5.92	61.50	3.53	75.50	2.34	89.50	1.67
47.75	5.86	61.75	3.50	75.75	2.33	89.75	1.66
48.00	5.80	62.00	3.47	76.00	2.31	90.00	1.65
48.25	5.74	62.25	3.45	76.25	2.30	90.25	1.64
48.50	5.68	62.50	3.42	76.50	2.28	90.50	1.63
48.75	5.62	62.75	3.39	76.75	2.27	90.75	1.62
49.00	5.56	63.00	3.37	77.00	2.25	91.00	1.61
49.25	5.51	63.25	3.34	77.25	2.24	91.25	1.60
49.50	5.45	63.50	3.31	77.50	2.22	91.50	1.60
49.75	5.40	63.75	3.29	77.75	2.21	91.75	1.59
50.00	5.34	64.00	3.26	78.00	2.20	92.00	1.58
50.25	5.29	64.25	3.24	78.25	2.18	92.25	1.57
50.50	5.24	64.50	3.21	78.50	2.17	92.50	1.56
50.75	5.19	64.75	3.19	78.75	2.15	92.75	1.55
51.00	5.14	65.00	3.16	79.00	2.14	93.00	1.54
51.25	5.09	65.25	3.14	79.25	2.13	93.25	1.54
51.50	5.04	65.50	3.11	79.50	2.11	93.50	1.53
51.75	4.99	65.75	3.09	79.75	2.10	93.75	1.52
52.00	4.94	66.00	3.07	80.00	2.09	94.00	1.51
52.25	4.89	66.25	3.04	80.25	2.07	94.25	1.50
52.50	4.85	66.50	3.02	80.50	2.06	94.50	1.50
52.75	4.80	66.75	3.00	80.75	2.05	94.75	1.49
53.00	4.75	67.00	2.98	81.00	2.04	95.00	1.48
53.25	4.71	67.25	2.95	81.25	2.02	95.25	1.47
53.50	4.67	67.50	2.93	81.50	2.01	95.50	1.46
53.75	4.62	67.75	2.91	81.75	2.00	95.75	1.46
54.00	4.58	68.00	2.89	82.00	1.99	96.00	1.45

Table 7 – 30%

SMART Meter Power Density Computer Modeling

(8 SMART Meters – 1000% reflections)

Meters 8 Electric SMART Meters

Time Avg: 40% % Reflection 1000%

Distance where limits are exceeded			
FCC ft.	5.21	62.5	Inches
BioInitiative ft.	422.00	5064.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	142470.30	10.25	169.41	20.25	43.42	30.25	19.46
0.50	56988.12	10.50	161.44	20.50	42.37	30.50	19.14
0.75	28494.06	10.75	154.02	20.75	41.36	30.75	18.83
1.00	16761.21	11.00	147.10	21.00	40.38	31.00	18.53
1.25	10959.25	11.25	140.64	21.25	39.43	31.25	18.24
1.50	7701.10	11.50	134.60	21.50	38.52	31.50	17.95
1.75	5698.81	11.75	128.93	21.75	37.64	31.75	17.67
2.00	4383.70	12.00	123.62	22.00	36.79	32.00	17.39
2.25	3474.89	12.25	118.63	22.25	35.97	32.25	17.12
2.50	2821.19	12.50	113.93	22.50	35.17	32.50	16.86
2.75	2335.58	12.75	109.51	22.75	34.40	32.75	16.60
3.00	1965.11	13.00	105.34	23.00	33.66	33.00	16.35
3.25	1676.12	13.25	101.40	23.25	32.94	33.25	16.11
3.50	1446.40	13.50	97.68	23.50	32.24	33.50	15.87
3.75	1260.80	13.75	94.16	23.75	31.57	33.75	15.63
4.00	1108.72	14.00	90.83	24.00	30.91	34.00	15.40
4.25	982.55	14.25	87.67	24.25	30.28	34.25	15.18
4.50	876.74	14.50	84.68	24.50	29.67	34.50	14.96
4.75	787.13	14.75	81.83	24.75	29.07	34.75	14.75
5.00	710.58	15.00	79.13	25.00	28.49	35.00	14.54
5.25	644.66	15.25	76.56	25.25	27.93	35.25	14.33
5.50	587.51	15.50	74.11	25.50	27.38	35.50	14.13
5.75	537.62	15.75	71.77	25.75	26.86	35.75	13.93
6.00	493.83	16.00	69.55	26.00	26.34	36.00	13.74
6.25	455.18	16.25	67.43	26.25	25.84	36.25	13.55
6.50	420.89	16.50	65.40	26.50	25.36	36.50	13.37
6.75	390.33	16.75	63.46	26.75	24.89	36.75	13.19
7.00	362.98	17.00	61.61	27.00	24.43	37.00	13.01
7.25	338.41	17.25	59.84	27.25	23.98	37.25	12.83
7.50	316.25	17.50	58.14	27.50	23.55	37.50	12.66
7.75	296.20	17.75	56.51	27.75	23.12	37.75	12.50
8.00	277.99	18.00	54.95	28.00	22.71	38.00	12.33
8.25	261.41	18.25	53.46	28.25	22.31	38.25	12.17
8.50	246.28	18.50	52.02	28.50	21.92	38.50	12.01
8.75	232.41	18.75	50.65	28.75	21.54	38.75	11.86
9.00	219.69	19.00	49.32	29.00	21.17	39.00	11.71
9.25	207.99	19.25	48.05	29.25	20.81	39.25	11.56
9.50	197.19	19.50	46.83	29.50	20.46	39.50	11.41
9.75	187.21	19.75	45.65	29.75	20.12	39.75	11.27
10.00	177.98	20.00	44.52	30.00	19.79	40.00	11.13

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 7 – 40%

SMART Meter Power Density Computer Modeling

(8 SMART Meters – 1000% reflections)

Meters 8 Electric SMART Meters

Time Avg: 40% % Reflection 1000%

Distance where limits are exceeded			
FCC ft. 5.21		62.53 Inches	
BioInitiative ft. 422.00		5064.00 Inches	

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	10.99	54.25	6.05	68.25	3.82	82.25	2.63
40.50	10.86	54.50	6.00	68.50	3.80	82.50	2.62
40.75	10.72	54.75	5.94	68.75	3.77	82.75	2.60
41.00	10.59	55.00	5.89	69.00	3.74	83.00	2.59
41.25	10.47	55.25	5.83	69.25	3.71	83.25	2.57
41.50	10.34	55.50	5.78	69.50	3.69	83.50	2.55
41.75	10.22	55.75	5.73	69.75	3.66	83.75	2.54
42.00	10.10	56.00	5.68	70.00	3.63	84.00	2.52
42.25	9.98	56.25	5.63	70.25	3.61	84.25	2.51
42.50	9.86	56.50	5.58	70.50	3.58	84.50	2.49
42.75	9.74	56.75	5.53	70.75	3.56	84.75	2.48
43.00	9.63	57.00	5.48	71.00	3.53	85.00	2.46
43.25	9.52	57.25	5.43	71.25	3.51	85.25	2.45
43.50	9.41	57.50	5.39	71.50	3.48	85.50	2.44
43.75	9.30	57.75	5.34	71.75	3.46	85.75	2.42
44.00	9.20	58.00	5.29	72.00	3.44	86.00	2.41
44.25	9.09	58.25	5.25	72.25	3.41	86.25	2.39
44.50	8.99	58.50	5.20	72.50	3.39	86.50	2.38
44.75	8.89	58.75	5.16	72.75	3.36	86.75	2.37
45.00	8.79	59.00	5.12	73.00	3.34	87.00	2.35
45.25	8.70	59.25	5.07	73.25	3.32	87.25	2.34
45.50	8.60	59.50	5.03	73.50	3.30	87.50	2.33
45.75	8.51	59.75	4.99	73.75	3.27	87.75	2.31
46.00	8.42	60.00	4.95	74.00	3.25	88.00	2.30
46.25	8.33	60.25	4.91	74.25	3.23	88.25	2.29
46.50	8.24	60.50	4.87	74.50	3.21	88.50	2.27
46.75	8.15	60.75	4.83	74.75	3.19	88.75	2.26
47.00	8.06	61.00	4.79	75.00	3.17	89.00	2.25
47.25	7.98	61.25	4.75	75.25	3.14	89.25	2.24
47.50	7.89	61.50	4.71	75.50	3.12	89.50	2.22
47.75	7.81	61.75	4.67	75.75	3.10	89.75	2.21
48.00	7.73	62.00	4.63	76.00	3.08	90.00	2.20
48.25	7.65	62.25	4.60	76.25	3.06	90.25	2.19
48.50	7.57	62.50	4.56	76.50	3.04	90.50	2.17
48.75	7.49	62.75	4.52	76.75	3.02	90.75	2.16
49.00	7.42	63.00	4.49	77.00	3.00	91.00	2.15
49.25	7.34	63.25	4.45	77.25	2.98	91.25	2.14
49.50	7.27	63.50	4.42	77.50	2.97	91.50	2.13
49.75	7.20	63.75	4.38	77.75	2.95	91.75	2.12
50.00	7.12	64.00	4.35	78.00	2.93	92.00	2.10
50.25	7.05	64.25	4.31	78.25	2.91	92.25	2.09
50.50	6.98	64.50	4.28	78.50	2.89	92.50	2.08
50.75	6.91	64.75	4.25	78.75	2.87	92.75	2.07
51.00	6.85	65.00	4.22	79.00	2.85	93.00	2.06
51.25	6.78	65.25	4.18	79.25	2.84	93.25	2.05
51.50	6.71	65.50	4.15	79.50	2.82	93.50	2.04
51.75	6.65	65.75	4.12	79.75	2.80	93.75	2.03
52.00	6.59	66.00	4.09	80.00	2.78	94.00	2.02
52.25	6.52	66.25	4.06	80.25	2.77	94.25	2.00
52.50	6.46	66.50	4.03	80.50	2.75	94.50	1.99
52.75	6.40	66.75	4.00	80.75	2.73	94.75	1.98
53.00	6.34	67.00	3.97	81.00	2.71	95.00	1.97
53.25	6.28	67.25	3.94	81.25	2.70	95.25	1.96
53.50	6.22	67.50	3.91	81.50	2.68	95.50	1.95
53.75	6.16	67.75	3.88	81.75	2.66	95.75	1.94
54.00	6.11	68.00	3.85	82.00	2.65	96.00	1.93

Table 7 – 40%

SMART Meter Power Density Computer Modeling

(8 SMART Meters – 1000% reflections)

Meters 8 Electric SMART Meters

Time Avg: 50% % Reflection 1000%

Distance where limits are exceeded			
FCC ft.	5.83	69.9	Inches
BioInitiative ft.	471.00	5652.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	178087.87	10.25	211.76	20.25	54.28	30.25	24.33
0.50	71235.15	10.50	201.80	20.50	52.96	30.50	23.93
0.75	35617.57	10.75	192.53	20.75	51.69	30.75	23.54
1.00	20951.51	11.00	183.88	21.00	50.47	31.00	23.16
1.25	13699.07	11.25	175.80	21.25	49.29	31.25	22.79
1.50	9626.37	11.50	168.25	21.50	48.15	31.50	22.43
1.75	7123.51	11.75	161.17	21.75	47.05	31.75	22.08
2.00	5479.63	12.00	154.52	22.00	45.99	32.00	21.74
2.25	4343.61	12.25	148.28	22.25	44.96	32.25	21.40
2.50	3526.49	12.50	142.41	22.50	43.97	32.50	21.07
2.75	2919.47	12.75	136.89	22.75	43.01	32.75	20.75
3.00	2456.38	13.00	131.67	23.00	42.08	33.00	20.44
3.25	2095.15	13.25	126.75	23.25	41.18	33.25	20.13
3.50	1808.00	13.50	122.10	23.50	40.31	33.50	19.83
3.75	1576.00	13.75	117.71	23.75	39.46	33.75	19.54
4.00	1385.90	14.00	113.54	24.00	38.64	34.00	19.26
4.25	1228.19	14.25	109.59	24.25	37.85	34.25	18.98
4.50	1095.93	14.50	105.85	24.50	37.08	34.50	18.70
4.75	983.91	14.75	102.29	24.75	36.34	34.75	18.43
5.00	888.22	15.00	98.91	25.00	35.61	35.00	18.17
5.25	805.83	15.25	95.69	25.25	34.91	35.25	17.91
5.50	734.38	15.50	92.63	25.50	34.23	35.50	17.66
5.75	672.03	15.75	89.72	25.75	33.57	35.75	17.42
6.00	617.29	16.00	86.94	26.00	32.93	36.00	17.18
6.25	568.97	16.25	84.28	26.25	32.30	36.25	16.94
6.50	526.11	16.50	81.75	26.50	31.70	36.50	16.71
6.75	487.91	16.75	79.33	26.75	31.11	36.75	16.48
7.00	453.73	17.00	77.01	27.00	30.53	37.00	16.26
7.25	423.01	17.25	74.80	27.25	29.98	37.25	16.04
7.50	395.31	17.50	72.67	27.50	29.43	37.50	15.83
7.75	370.25	17.75	70.64	27.75	28.91	37.75	15.62
8.00	347.49	18.00	68.69	28.00	28.39	38.00	15.42
8.25	326.77	18.25	66.82	28.25	27.89	38.25	15.21
8.50	307.84	18.50	65.03	28.50	27.40	38.50	15.02
8.75	290.52	18.75	63.31	28.75	26.93	38.75	14.82
9.00	274.62	19.00	61.65	29.00	26.47	39.00	14.64
9.25	259.98	19.25	60.06	29.25	26.02	39.25	14.45
9.50	246.49	19.50	58.53	29.50	25.58	39.50	14.27
9.75	234.02	19.75	57.06	29.75	25.15	39.75	14.09
10.00	222.47	20.00	55.64	30.00	24.73	40.00	13.91

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 7 – 50%

SMART Meter Power Density Computer Modeling

(8 SMART Meters – 1000% reflections)

Meters 8 Electric SMART Meters

Time Avg: 50% % Reflection 1000%

Distance where limits are exceeded			
FCC ft. 5.83		69.92 Inches	
BioInitiative ft. 471.00		5652.00 Inches	

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	13.74	54.25	7.56	68.25	4.78	82.25	3.29
40.50	13.57	54.50	7.49	68.50	4.74	82.50	3.27
40.75	13.41	54.75	7.43	68.75	4.71	82.75	3.25
41.00	13.24	55.00	7.36	69.00	4.68	83.00	3.23
41.25	13.08	55.25	7.29	69.25	4.64	83.25	3.21
41.50	12.93	55.50	7.23	69.50	4.61	83.50	3.19
41.75	12.77	55.75	7.16	69.75	4.58	83.75	3.17
42.00	12.62	56.00	7.10	70.00	4.54	84.00	3.15
42.25	12.47	56.25	7.04	70.25	4.51	84.25	3.14
42.50	12.32	56.50	6.97	70.50	4.48	84.50	3.12
42.75	12.18	56.75	6.91	70.75	4.45	84.75	3.10
43.00	12.04	57.00	6.85	71.00	4.42	85.00	3.08
43.25	11.90	57.25	6.79	71.25	4.38	85.25	3.06
43.50	11.76	57.50	6.73	71.50	4.35	85.50	3.05
43.75	11.63	57.75	6.67	71.75	4.32	85.75	3.03
44.00	11.50	58.00	6.62	72.00	4.29	86.00	3.01
44.25	11.37	58.25	6.56	72.25	4.26	86.25	2.99
44.50	11.24	58.50	6.50	72.50	4.24	86.50	2.98
44.75	11.12	58.75	6.45	72.75	4.21	86.75	2.96
45.00	10.99	59.00	6.39	73.00	4.18	87.00	2.94
45.25	10.87	59.25	6.34	73.25	4.15	87.25	2.92
45.50	10.75	59.50	6.29	73.50	4.12	87.50	2.91
45.75	10.64	59.75	6.24	73.75	4.09	87.75	2.89
46.00	10.52	60.00	6.18	74.00	4.07	88.00	2.87
46.25	10.41	60.25	6.13	74.25	4.04	88.25	2.86
46.50	10.29	60.50	6.08	74.50	4.01	88.50	2.84
46.75	10.19	60.75	6.03	74.75	3.98	88.75	2.83
47.00	10.08	61.00	5.98	75.00	3.96	89.00	2.81
47.25	9.97	61.25	5.93	75.25	3.93	89.25	2.79
47.50	9.87	61.50	5.89	75.50	3.91	89.50	2.78
47.75	9.76	61.75	5.84	75.75	3.88	89.75	2.76
48.00	9.66	62.00	5.79	76.00	3.85	90.00	2.75
48.25	9.56	62.25	5.74	76.25	3.83	90.25	2.73
48.50	9.46	62.50	5.70	76.50	3.80	90.50	2.72
48.75	9.37	62.75	5.65	76.75	3.78	90.75	2.70
49.00	9.27	63.00	5.61	77.00	3.75	91.00	2.69
49.25	9.18	63.25	5.56	77.25	3.73	91.25	2.67
49.50	9.08	63.50	5.52	77.50	3.71	91.50	2.66
49.75	8.99	63.75	5.48	77.75	3.68	91.75	2.64
50.00	8.90	64.00	5.43	78.00	3.66	92.00	2.63
50.25	8.82	64.25	5.39	78.25	3.64	92.25	2.62
50.50	8.73	64.50	5.35	78.50	3.61	92.50	2.60
50.75	8.64	64.75	5.31	78.75	3.59	92.75	2.59
51.00	8.56	65.00	5.27	79.00	3.57	93.00	2.57
51.25	8.48	65.25	5.23	79.25	3.54	93.25	2.56
51.50	8.39	65.50	5.19	79.50	3.52	93.50	2.55
51.75	8.31	65.75	5.15	79.75	3.50	93.75	2.53
52.00	8.23	66.00	5.11	80.00	3.48	94.00	2.52
52.25	8.15	66.25	5.07	80.25	3.46	94.25	2.51
52.50	8.08	66.50	5.03	80.50	3.44	94.50	2.49
52.75	8.00	66.75	5.00	80.75	3.41	94.75	2.48
53.00	7.92	67.00	4.96	81.00	3.39	95.00	2.47
53.25	7.85	67.25	4.92	81.25	3.37	95.25	2.45
53.50	7.78	67.50	4.89	81.50	3.35	95.50	2.44
53.75	7.71	67.75	4.85	81.75	3.33	95.75	2.43
54.00	7.63	68.00	4.81	82.00	3.31	96.00	2.42

Table 7 – 50%

SMART Meter Power Density Computer Modeling

(8 SMART Meters – 1000% reflections)

Meters 8 Electric SMART Meters
Time Avg: 60% % Reflection 1000%

Distance where limits are exceeded			
FCC ft.	6.38	76.6	Inches
BioInitiative ft.	517.00	6204.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	213705.45	10.25	254.11	20.25	65.13	30.25	29.19
0.50	85482.18	10.50	242.16	20.50	63.56	30.50	28.71
0.75	42741.09	10.75	231.03	20.75	62.03	30.75	28.25
1.00	25141.82	11.00	220.66	21.00	60.57	31.00	27.80
1.25	16438.88	11.25	210.96	21.25	59.15	31.25	27.35
1.50	11551.65	11.50	201.89	21.50	57.78	31.50	26.92
1.75	8548.22	11.75	193.40	21.75	56.46	31.75	26.50
2.00	6575.55	12.00	185.43	22.00	55.19	32.00	26.09
2.25	5212.33	12.25	177.94	22.25	53.95	32.25	25.68
2.50	4231.79	12.50	170.90	22.50	52.76	32.50	25.29
2.75	3503.37	12.75	164.26	22.75	51.61	32.75	24.90
3.00	2947.66	13.00	158.01	23.00	50.49	33.00	24.53
3.25	2514.18	13.25	152.10	23.25	49.41	33.25	24.16
3.50	2169.60	13.50	146.52	23.50	48.37	33.50	23.80
3.75	1891.20	13.75	141.25	23.75	47.35	33.75	23.45
4.00	1663.08	14.00	136.25	24.00	46.37	34.00	23.11
4.25	1473.83	14.25	131.51	24.25	45.42	34.25	22.77
4.50	1315.11	14.50	127.02	24.50	44.50	34.50	22.44
4.75	1180.69	14.75	122.75	24.75	43.60	34.75	22.12
5.00	1065.86	15.00	118.69	25.00	42.74	35.00	21.81
5.25	966.99	15.25	114.83	25.25	41.89	35.25	21.50
5.50	881.26	15.50	111.16	25.50	41.08	35.50	21.20
5.75	806.44	15.75	107.66	25.75	40.28	35.75	20.90
6.00	740.75	16.00	104.32	26.00	39.51	36.00	20.61
6.25	682.77	16.25	101.14	26.25	38.76	36.25	20.33
6.50	631.33	16.50	98.10	26.50	38.04	36.50	20.05
6.75	585.49	16.75	95.19	26.75	37.33	36.75	19.78
7.00	544.47	17.00	92.41	27.00	36.64	37.00	19.51
7.25	507.61	17.25	89.75	27.25	35.97	37.25	19.25
7.50	474.37	17.50	87.21	27.50	35.32	37.50	19.00
7.75	444.29	17.75	84.77	27.75	34.69	37.75	18.74
8.00	416.99	18.00	82.43	28.00	34.07	38.00	18.50
8.25	392.12	18.25	80.19	28.25	33.47	38.25	18.26
8.50	369.41	18.50	78.04	28.50	32.89	38.50	18.02
8.75	348.62	18.75	75.97	28.75	32.32	38.75	17.79
9.00	329.54	19.00	73.98	29.00	31.76	39.00	17.56
9.25	311.98	19.25	72.08	29.25	31.22	39.25	17.34
9.50	295.79	19.50	70.24	29.50	30.69	39.50	17.12
9.75	280.82	19.75	68.47	29.75	30.18	39.75	16.91
10.00	266.96	20.00	66.77	30.00	29.68	40.00	16.70

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 7 – 60%

SMART Meter Power Density Computer Modeling

(8 SMART Meters – 1000% reflections)

Meters 8 Electric SMART Meters

Time Avg: 60% % Reflection 1000%

Distance where limits are exceeded			
FCC ft. 6.38		76.61 Inches	
BioInitiative ft. 517.00		6204.00 Inches	

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	16.49	54.25	9.08	68.25	5.73	82.25	3.95
40.50	16.29	54.50	8.99	68.50	5.69	82.50	3.92
40.75	16.09	54.75	8.91	68.75	5.65	82.75	3.90
41.00	15.89	55.00	8.83	69.00	5.61	83.00	3.88
41.25	15.70	55.25	8.75	69.25	5.57	83.25	3.85
41.50	15.51	55.50	8.67	69.50	5.53	83.50	3.83
41.75	15.32	55.75	8.59	69.75	5.49	83.75	3.81
42.00	15.14	56.00	8.52	70.00	5.45	84.00	3.79
42.25	14.96	56.25	8.44	70.25	5.41	84.25	3.76
42.50	14.79	56.50	8.37	70.50	5.37	84.50	3.74
42.75	14.62	56.75	8.29	70.75	5.34	84.75	3.72
43.00	14.45	57.00	8.22	71.00	5.30	85.00	3.70
43.25	14.28	57.25	8.15	71.25	5.26	85.25	3.68
43.50	14.12	57.50	8.08	71.50	5.23	85.50	3.65
43.75	13.96	57.75	8.01	71.75	5.19	85.75	3.63
44.00	13.80	58.00	7.94	72.00	5.15	86.00	3.61
44.25	13.64	58.25	7.87	72.25	5.12	86.25	3.59
44.50	13.49	58.50	7.81	72.50	5.08	86.50	3.57
44.75	13.34	58.75	7.74	72.75	5.05	86.75	3.55
45.00	13.19	59.00	7.67	73.00	5.01	87.00	3.53
45.25	13.05	59.25	7.61	73.25	4.98	87.25	3.51
45.50	12.90	59.50	7.55	73.50	4.94	87.50	3.49
45.75	12.76	59.75	7.48	73.75	4.91	87.75	3.47
46.00	12.62	60.00	7.42	74.00	4.88	88.00	3.45
46.25	12.49	60.25	7.36	74.25	4.85	88.25	3.43
46.50	12.35	60.50	7.30	74.50	4.81	88.50	3.41
46.75	12.22	60.75	7.24	74.75	4.78	88.75	3.39
47.00	12.09	61.00	7.18	75.00	4.75	89.00	3.37
47.25	11.96	61.25	7.12	75.25	4.72	89.25	3.35
47.50	11.84	61.50	7.06	75.50	4.69	89.50	3.33
47.75	11.72	61.75	7.01	75.75	4.66	89.75	3.32
48.00	11.59	62.00	6.95	76.00	4.62	90.00	3.30
48.25	11.47	62.25	6.89	76.25	4.59	90.25	3.28
48.50	11.36	62.50	6.84	76.50	4.56	90.50	3.26
48.75	11.24	62.75	6.78	76.75	4.53	90.75	3.24
49.00	11.13	63.00	6.73	77.00	4.51	91.00	3.23
49.25	11.01	63.25	6.68	77.25	4.48	91.25	3.21
49.50	10.90	63.50	6.62	77.50	4.45	91.50	3.19
49.75	10.79	63.75	6.57	77.75	4.42	91.75	3.17
50.00	10.69	64.00	6.52	78.00	4.39	92.00	3.16
50.25	10.58	64.25	6.47	78.25	4.36	92.25	3.14
50.50	10.47	64.50	6.42	78.50	4.33	92.50	3.12
50.75	10.37	64.75	6.37	78.75	4.31	92.75	3.11
51.00	10.27	65.00	6.32	79.00	4.28	93.00	3.09
51.25	10.17	65.25	6.27	79.25	4.25	93.25	3.07
51.50	10.07	65.50	6.23	79.50	4.23	93.50	3.06
51.75	9.97	65.75	6.18	79.75	4.20	93.75	3.04
52.00	9.88	66.00	6.13	80.00	4.17	94.00	3.02
52.25	9.78	66.25	6.09	80.25	4.15	94.25	3.01
52.50	9.69	66.50	6.04	80.50	4.12	94.50	2.99
52.75	9.60	66.75	6.00	80.75	4.10	94.75	2.98
53.00	9.51	67.00	5.95	81.00	4.07	95.00	2.96
53.25	9.42	67.25	5.91	81.25	4.05	95.25	2.94
53.50	9.33	67.50	5.86	81.50	4.02	95.50	2.93
53.75	9.25	67.75	5.82	81.75	4.00	95.75	2.91
54.00	9.16	68.00	5.78	82.00	3.97	96.00	2.90

Table 7 – 60%

SMART Meter Power Density Computer Modeling

(8 SMART Meters – 1000% reflections)

Meters 8 Electric SMART Meters

Time Avg: 70% % Reflection 1000%

Distance where limits are exceeded			
FCC ft.	6.90	82.8	Inches
BioInitiative ft.	558.00	6696.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	249323.02	10.25	296.46	20.25	75.99	30.25	34.06
0.50	99729.21	10.50	282.52	20.50	74.15	30.50	33.50
0.75	49864.60	10.75	269.54	20.75	72.37	30.75	32.96
1.00	29332.12	11.00	257.43	21.00	70.66	31.00	32.43
1.25	19178.69	11.25	246.12	21.25	69.01	31.25	31.91
1.50	13476.92	11.50	235.54	21.50	67.41	31.50	31.41
1.75	9972.92	11.75	225.63	21.75	65.87	31.75	30.91
2.00	7671.48	12.00	216.33	22.00	64.38	32.00	30.43
2.25	6081.05	12.25	207.60	22.25	62.94	32.25	29.96
2.50	4937.09	12.50	199.38	22.50	61.55	32.50	29.50
2.75	4087.26	12.75	191.64	22.75	60.21	32.75	29.06
3.00	3438.94	13.00	184.34	23.00	58.91	33.00	28.62
3.25	2933.21	13.25	177.45	23.25	57.65	33.25	28.19
3.50	2531.20	13.50	170.94	23.50	56.43	33.50	27.77
3.75	2206.40	13.75	164.79	23.75	55.25	33.75	27.36
4.00	1940.26	14.00	158.96	24.00	54.10	34.00	26.96
4.25	1719.47	14.25	153.43	24.25	52.99	34.25	26.57
4.50	1534.30	14.50	148.19	24.50	51.92	34.50	26.18
4.75	1377.48	14.75	143.21	24.75	50.87	34.75	25.81
5.00	1243.51	15.00	138.47	25.00	49.86	35.00	25.44
5.25	1128.16	15.25	133.97	25.25	48.88	35.25	25.08
5.50	1028.14	15.50	129.69	25.50	47.92	35.50	24.73
5.75	940.84	15.75	125.60	25.75	47.00	35.75	24.38
6.00	864.20	16.00	121.71	26.00	46.10	36.00	24.05
6.25	796.56	16.25	117.99	26.25	45.22	36.25	23.72
6.50	736.55	16.50	114.45	26.50	44.38	36.50	23.39
6.75	683.08	16.75	111.06	26.75	43.55	36.75	23.07
7.00	635.22	17.00	107.82	27.00	42.75	37.00	22.76
7.25	592.22	17.25	104.71	27.25	41.97	37.25	22.46
7.50	553.44	17.50	101.74	27.50	41.21	37.50	22.16
7.75	518.34	17.75	98.90	27.75	40.47	37.75	21.87
8.00	486.48	18.00	96.17	28.00	39.75	38.00	21.58
8.25	457.47	18.25	93.55	28.25	39.05	38.25	21.30
8.50	430.98	18.50	91.04	28.50	38.37	38.50	21.02
8.75	406.73	18.75	88.63	28.75	37.70	38.75	20.75
9.00	384.46	19.00	86.32	29.00	37.05	39.00	20.49
9.25	363.98	19.25	84.09	29.25	36.42	39.25	20.23
9.50	345.08	19.50	81.95	29.50	35.81	39.50	19.97
9.75	327.63	19.75	79.89	29.75	35.21	39.75	19.72
10.00	311.46	20.00	77.90	30.00	34.63	40.00	19.48

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 7 – 70%

SMART Meter Power Density Computer Modeling

(8 SMART Meters – 1000% reflections)

Meters 8 Electric SMART Meters

Time Avg: 70% % Reflection 1000%

Distance where limits are exceeded			
FCC ft. 6.90		82.75 Inches	
BioInitiative ft. 558.00		6696.00 Inches	

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	19.24	54.25	10.59	68.25	6.69	82.25	4.61
40.50	19.00	54.50	10.49	68.50	6.64	82.50	4.58
40.75	18.77	54.75	10.40	68.75	6.59	82.75	4.55
41.00	18.54	55.00	10.30	69.00	6.55	83.00	4.52
41.25	18.32	55.25	10.21	69.25	6.50	83.25	4.50
41.50	18.10	55.50	10.12	69.50	6.45	83.50	4.47
41.75	17.88	55.75	10.03	69.75	6.41	83.75	4.44
42.00	17.67	56.00	9.94	70.00	6.36	84.00	4.42
42.25	17.46	56.25	9.85	70.25	6.32	84.25	4.39
42.50	17.25	56.50	9.76	70.50	6.27	84.50	4.36
42.75	17.05	56.75	9.68	70.75	6.23	84.75	4.34
43.00	16.85	57.00	9.59	71.00	6.18	85.00	4.31
43.25	16.66	57.25	9.51	71.25	6.14	85.25	4.29
43.50	16.47	57.50	9.43	71.50	6.10	85.50	4.26
43.75	16.28	57.75	9.34	71.75	6.05	85.75	4.24
44.00	16.10	58.00	9.26	72.00	6.01	86.00	4.21
44.25	15.92	58.25	9.18	72.25	5.97	86.25	4.19
44.50	15.74	58.50	9.11	72.50	5.93	86.50	4.17
44.75	15.56	58.75	9.03	72.75	5.89	86.75	4.14
45.00	15.39	59.00	8.95	73.00	5.85	87.00	4.12
45.25	15.22	59.25	8.88	73.25	5.81	87.25	4.09
45.50	15.05	59.50	8.80	73.50	5.77	87.50	4.07
45.75	14.89	59.75	8.73	73.75	5.73	87.75	4.05
46.00	14.73	60.00	8.66	74.00	5.69	88.00	4.02
46.25	14.57	60.25	8.59	74.25	5.65	88.25	4.00
46.50	14.41	60.50	8.51	74.50	5.62	88.50	3.98
46.75	14.26	60.75	8.44	74.75	5.58	88.75	3.96
47.00	14.11	61.00	8.38	75.00	5.54	89.00	3.93
47.25	13.96	61.25	8.31	75.25	5.50	89.25	3.91
47.50	13.81	61.50	8.24	75.50	5.47	89.50	3.89
47.75	13.67	61.75	8.17	75.75	5.43	89.75	3.87
48.00	13.53	62.00	8.11	76.00	5.40	90.00	3.85
48.25	13.39	62.25	8.04	76.25	5.36	90.25	3.83
48.50	13.25	62.50	7.98	76.50	5.33	90.50	3.81
48.75	13.11	62.75	7.91	76.75	5.29	90.75	3.78
49.00	12.98	63.00	7.85	77.00	5.26	91.00	3.76
49.25	12.85	63.25	7.79	77.25	5.22	91.25	3.74
49.50	12.72	63.50	7.73	77.50	5.19	91.50	3.72
49.75	12.59	63.75	7.67	77.75	5.16	91.75	3.70
50.00	12.47	64.00	7.61	78.00	5.12	92.00	3.68
50.25	12.34	64.25	7.55	78.25	5.09	92.25	3.66
50.50	12.22	64.50	7.49	78.50	5.06	92.50	3.64
50.75	12.10	64.75	7.43	78.75	5.03	92.75	3.62
51.00	11.98	65.00	7.38	79.00	4.99	93.00	3.60
51.25	11.87	65.25	7.32	79.25	4.96	93.25	3.58
51.50	11.75	65.50	7.26	79.50	4.93	93.50	3.56
51.75	11.64	65.75	7.21	79.75	4.90	93.75	3.55
52.00	11.53	66.00	7.15	80.00	4.87	94.00	3.53
52.25	11.42	66.25	7.10	80.25	4.84	94.25	3.51
52.50	11.31	66.50	7.05	80.50	4.81	94.50	3.49
52.75	11.20	66.75	6.99	80.75	4.78	94.75	3.47
53.00	11.09	67.00	6.94	81.00	4.75	95.00	3.45
53.25	10.99	67.25	6.89	81.25	4.72	95.25	3.44
53.50	10.89	67.50	6.84	81.50	4.69	95.50	3.42
53.75	10.79	67.75	6.79	81.75	4.66	95.75	3.40
54.00	10.69	68.00	6.74	82.00	4.63	96.00	3.38

Table 7 – 70%

SMART Meter Power Density Computer Modeling

(8 SMART Meters – 1000% reflections)

Meters 8 Electric SMART Meters
Time Avg: 80% % Reflection 1000%

Distance where limits are exceeded			
FCC ft.	7.37	88.5	Inches
BioInitiative ft.	597.50	7170.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	284940.60	10.25	338.81	20.25	86.85	30.25	38.92
0.50	113976.24	10.50	322.88	20.50	84.74	30.50	38.29
0.75	56988.12	10.75	308.04	20.75	82.71	30.75	37.67
1.00	33522.42	11.00	294.21	21.00	80.75	31.00	37.06
1.25	21918.51	11.25	281.28	21.25	78.87	31.25	36.47
1.50	15402.19	11.50	269.19	21.50	77.04	31.50	35.89
1.75	11397.62	11.75	257.86	21.75	75.28	31.75	35.33
2.00	8767.40	12.00	247.24	22.00	73.58	32.00	34.78
2.25	6949.77	12.25	237.25	22.25	71.94	32.25	34.24
2.50	5642.39	12.50	227.86	22.50	70.35	32.50	33.72
2.75	4671.16	12.75	219.02	22.75	68.81	32.75	33.21
3.00	3930.22	13.00	210.68	23.00	67.32	33.00	32.70
3.25	3352.24	13.25	202.80	23.25	65.88	33.25	32.21
3.50	2892.80	13.50	195.37	23.50	64.49	33.50	31.74
3.75	2521.60	13.75	188.33	23.75	63.14	33.75	31.27
4.00	2217.44	14.00	181.66	24.00	61.83	34.00	30.81
4.25	1965.11	14.25	175.35	24.25	60.56	34.25	30.36
4.50	1753.48	14.50	169.36	24.50	59.33	34.50	29.92
4.75	1574.26	14.75	163.66	24.75	58.14	34.75	29.49
5.00	1421.15	15.00	158.26	25.00	56.98	35.00	29.07
5.25	1289.32	15.25	153.11	25.25	55.86	35.25	28.66
5.50	1175.01	15.50	148.21	25.50	54.77	35.50	28.26
5.75	1075.25	15.75	143.55	25.75	53.71	35.75	27.87
6.00	987.66	16.00	139.10	26.00	52.68	36.00	27.48
6.25	910.35	16.25	134.85	26.25	51.69	36.25	27.10
6.50	841.77	16.50	130.80	26.50	50.71	36.50	26.73
6.75	780.66	16.75	126.92	26.75	49.77	36.75	26.37
7.00	725.96	17.00	123.22	27.00	48.85	37.00	26.02
7.25	676.82	17.25	119.67	27.25	47.96	37.25	25.67
7.50	632.50	17.50	116.28	27.50	47.09	37.50	25.33
7.75	592.39	17.75	113.03	27.75	46.25	37.75	24.99
8.00	555.98	18.00	109.91	28.00	45.43	38.00	24.66
8.25	522.83	18.25	106.92	28.25	44.63	38.25	24.34
8.50	492.55	18.50	104.05	28.50	43.85	38.50	24.03
8.75	464.83	18.75	101.29	28.75	43.09	38.75	23.72
9.00	439.38	19.00	98.65	29.00	42.35	39.00	23.42
9.25	415.97	19.25	96.10	29.25	41.63	39.25	23.12
9.50	394.38	19.50	93.65	29.50	40.93	39.50	22.83
9.75	374.43	19.75	91.30	29.75	40.24	39.75	22.54
10.00	355.95	20.00	89.03	30.00	39.57	40.00	22.26

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 7 – 80%

SMART Meter Power Density Computer Modeling

(8 SMART Meters – 1000% reflections)

Meters 8 Electric SMART Meters
Time Avg: 80% % Reflection 1000%

Distance where limits are exceeded			
FCC ft. 7.37		88.48 Inches	
BioInitiative ft. 597.50		7170.00 Inches	

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	21.98	54.25	12.10	68.25	7.65	82.25	5.26
40.50	21.71	54.50	11.99	68.50	7.59	82.50	5.23
40.75	21.45	54.75	11.88	68.75	7.54	82.75	5.20
41.00	21.19	55.00	11.77	69.00	7.48	83.00	5.17
41.25	20.93	55.25	11.67	69.25	7.43	83.25	5.14
41.50	20.68	55.50	11.56	69.50	7.37	83.50	5.11
41.75	20.43	55.75	11.46	69.75	7.32	83.75	5.08
42.00	20.19	56.00	11.36	70.00	7.27	84.00	5.05
42.25	19.95	56.25	11.26	70.25	7.22	84.25	5.02
42.50	19.72	56.50	11.16	70.50	7.17	84.50	4.99
42.75	19.49	56.75	11.06	70.75	7.12	84.75	4.96
43.00	19.26	57.00	10.96	71.00	7.07	85.00	4.93
43.25	19.04	57.25	10.87	71.25	7.02	85.25	4.90
43.50	18.82	57.50	10.77	71.50	6.97	85.50	4.87
43.75	18.61	57.75	10.68	71.75	6.92	85.75	4.84
44.00	18.40	58.00	10.59	72.00	6.87	86.00	4.82
44.25	18.19	58.25	10.50	72.25	6.82	86.25	4.79
44.50	17.99	58.50	10.41	72.50	6.78	86.50	4.76
44.75	17.79	58.75	10.32	72.75	6.73	86.75	4.73
45.00	17.59	59.00	10.23	73.00	6.68	87.00	4.71
45.25	17.39	59.25	10.15	73.25	6.64	87.25	4.68
45.50	17.20	59.50	10.06	73.50	6.59	87.50	4.65
45.75	17.02	59.75	9.98	73.75	6.55	87.75	4.63
46.00	16.83	60.00	9.89	74.00	6.50	88.00	4.60
46.25	16.65	60.25	9.81	74.25	6.46	88.25	4.57
46.50	16.47	60.50	9.73	74.50	6.42	88.50	4.55
46.75	16.30	60.75	9.65	74.75	6.37	88.75	4.52
47.00	16.12	61.00	9.57	75.00	6.33	89.00	4.50
47.25	15.95	61.25	9.49	75.25	6.29	89.25	4.47
47.50	15.79	61.50	9.42	75.50	6.25	89.50	4.45
47.75	15.62	61.75	9.34	75.75	6.21	89.75	4.42
48.00	15.46	62.00	9.27	76.00	6.17	90.00	4.40
48.25	15.30	62.25	9.19	76.25	6.13	90.25	4.37
48.50	15.14	62.50	9.12	76.50	6.09	90.50	4.35
48.75	14.99	62.75	9.05	76.75	6.05	90.75	4.32
49.00	14.83	63.00	8.97	77.00	6.01	91.00	4.30
49.25	14.68	63.25	8.90	77.25	5.97	91.25	4.28
49.50	14.54	63.50	8.83	77.50	5.93	91.50	4.25
49.75	14.39	63.75	8.76	77.75	5.89	91.75	4.23
50.00	14.25	64.00	8.70	78.00	5.85	92.00	4.21
50.25	14.11	64.25	8.63	78.25	5.82	92.25	4.19
50.50	13.97	64.50	8.56	78.50	5.78	92.50	4.16
50.75	13.83	64.75	8.50	78.75	5.74	92.75	4.14
51.00	13.69	65.00	8.43	79.00	5.71	93.00	4.12
51.25	13.56	65.25	8.37	79.25	5.67	93.25	4.10
51.50	13.43	65.50	8.30	79.50	5.64	93.50	4.07
51.75	13.30	65.75	8.24	79.75	5.60	93.75	4.05
52.00	13.17	66.00	8.18	80.00	5.57	94.00	4.03
52.25	13.05	66.25	8.11	80.25	5.53	94.25	4.01
52.50	12.92	66.50	8.05	80.50	5.50	94.50	3.99
52.75	12.80	66.75	7.99	80.75	5.46	94.75	3.97
53.00	12.68	67.00	7.93	81.00	5.43	95.00	3.95
53.25	12.56	67.25	7.88	81.25	5.40	95.25	3.93
53.50	12.44	67.50	7.82	81.50	5.36	95.50	3.91
53.75	12.33	67.75	7.76	81.75	5.33	95.75	3.88
54.00	12.21	68.00	7.70	82.00	5.30	96.00	3.86

Table 7 – 80%

SMART Meter Power Density Computer Modeling

(8 SMART Meters – 1000% reflections)

Meters 8 Electric SMART Meters

Time Avg: 90% % Reflection 1000%

Distance where limits are exceeded			
FCC ft.	7.82	93.8	Inches
BioInitiative ft.	632.00	7584.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	320558.17	10.25	381.16	20.25	97.70	30.25	43.79
0.50	128223.27	10.50	363.24	20.50	95.33	30.50	43.07
0.75	64111.63	10.75	346.55	20.75	93.05	30.75	42.37
1.00	37712.73	11.00	330.98	21.00	90.85	31.00	41.69
1.25	24658.32	11.25	316.44	21.25	88.72	31.25	41.03
1.50	17327.47	11.50	302.84	21.50	86.67	31.50	40.38
1.75	12822.33	11.75	290.10	21.75	84.69	31.75	39.75
2.00	9863.33	12.00	278.14	22.00	82.78	32.00	39.13
2.25	7818.49	12.25	266.91	22.25	80.93	32.25	38.52
2.50	6347.69	12.50	256.34	22.50	79.14	32.50	37.93
2.75	5255.05	12.75	246.39	22.75	77.41	32.75	37.36
3.00	4421.49	13.00	237.01	23.00	75.74	33.00	36.79
3.25	3771.27	13.25	228.16	23.25	74.12	33.25	36.24
3.50	3254.40	13.50	219.79	23.50	72.55	33.50	35.70
3.75	2836.80	13.75	211.87	23.75	71.03	33.75	35.18
4.00	2494.62	14.00	204.37	24.00	69.56	34.00	34.66
4.25	2210.75	14.25	197.27	24.25	68.13	34.25	34.16
4.50	1972.67	14.50	190.52	24.50	66.75	34.50	33.66
4.75	1771.04	14.75	184.12	24.75	65.41	34.75	33.18
5.00	1598.79	15.00	178.04	25.00	64.11	35.00	32.71
5.25	1450.49	15.25	172.25	25.25	62.84	35.25	32.25
5.50	1321.89	15.50	166.74	25.50	61.62	35.50	31.79
5.75	1209.65	15.75	161.49	25.75	60.43	35.75	31.35
6.00	1111.12	16.00	156.48	26.00	59.27	36.00	30.92
6.25	1024.15	16.25	151.71	26.25	58.15	36.25	30.49
6.50	947.00	16.50	147.15	26.50	57.05	36.50	30.08
6.75	878.24	16.75	142.79	26.75	55.99	36.75	29.67
7.00	816.71	17.00	138.62	27.00	54.96	37.00	29.27
7.25	761.42	17.25	134.63	27.25	53.96	37.25	28.88
7.50	711.56	17.50	130.81	27.50	52.98	37.50	28.49
7.75	666.44	17.75	127.16	27.75	52.03	37.75	28.12
8.00	625.48	18.00	123.65	28.00	51.11	38.00	27.75
8.25	588.18	18.25	120.28	28.25	50.20	38.25	27.39
8.50	554.12	18.50	117.06	28.50	49.33	38.50	27.03
8.75	522.93	18.75	113.96	28.75	48.47	38.75	26.68
9.00	494.31	19.00	110.98	29.00	47.64	39.00	26.34
9.25	467.97	19.25	108.11	29.25	46.83	39.25	26.01
9.50	443.68	19.50	105.36	29.50	46.04	39.50	25.68
9.75	421.23	19.75	102.71	29.75	45.27	39.75	25.36
10.00	400.45	20.00	100.16	30.00	44.52	40.00	25.04

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 7 – 90%

SMART Meter Power Density Computer Modeling

(8 SMART Meters – 1000% reflections)

Meters 8 Electric SMART Meters
Time Avg: 90% % Reflection 1000%

Distance where limits are exceeded
FCC ft. 7.82 93.85 Inches
BioInitiative ft. 632.00 7584.00 Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	24.73	54.25	13.61	68.25	8.60	82.25	5.92
40.50	24.43	54.50	13.49	68.50	8.54	82.50	5.89
40.75	24.13	54.75	13.37	68.75	8.48	82.75	5.85
41.00	23.84	55.00	13.25	69.00	8.42	83.00	5.82
41.25	23.55	55.25	13.13	69.25	8.36	83.25	5.78
41.50	23.27	55.50	13.01	69.50	8.30	83.50	5.75
41.75	22.99	55.75	12.89	69.75	8.24	83.75	5.71
42.00	22.71	56.00	12.78	70.00	8.18	84.00	5.68
42.25	22.45	56.25	12.66	70.25	8.12	84.25	5.65
42.50	22.18	56.50	12.55	70.50	8.06	84.50	5.61
42.75	21.92	56.75	12.44	70.75	8.00	84.75	5.58
43.00	21.67	57.00	12.33	71.00	7.95	85.00	5.55
43.25	21.42	57.25	12.23	71.25	7.89	85.25	5.51
43.50	21.18	57.50	12.12	71.50	7.84	85.50	5.48
43.75	20.93	57.75	12.01	71.75	7.78	85.75	5.45
44.00	20.70	58.00	11.91	72.00	7.73	86.00	5.42
44.25	20.46	58.25	11.81	72.25	7.68	86.25	5.39
44.50	20.23	58.50	11.71	72.50	7.62	86.50	5.36
44.75	20.01	58.75	11.61	72.75	7.57	86.75	5.32
45.00	19.79	59.00	11.51	73.00	7.52	87.00	5.29
45.25	19.57	59.25	11.41	73.25	7.47	87.25	5.26
45.50	19.35	59.50	11.32	73.50	7.42	87.50	5.23
45.75	19.14	59.75	11.22	73.75	7.37	87.75	5.20
46.00	18.94	60.00	11.13	74.00	7.32	88.00	5.17
46.25	18.73	60.25	11.04	74.25	7.27	88.25	5.14
46.50	18.53	60.50	10.95	74.50	7.22	88.50	5.12
46.75	18.33	60.75	10.86	74.75	7.17	88.75	5.09
47.00	18.14	61.00	10.77	75.00	7.12	89.00	5.06
47.25	17.95	61.25	10.68	75.25	7.08	89.25	5.03
47.50	17.76	61.50	10.59	75.50	7.03	89.50	5.00
47.75	17.57	61.75	10.51	75.75	6.98	89.75	4.97
48.00	17.39	62.00	10.42	76.00	6.94	90.00	4.95
48.25	17.21	62.25	10.34	76.25	6.89	90.25	4.92
48.50	17.03	62.50	10.26	76.50	6.85	90.50	4.89
48.75	16.86	62.75	10.18	76.75	6.80	90.75	4.87
49.00	16.69	63.00	10.10	77.00	6.76	91.00	4.84
49.25	16.52	63.25	10.02	77.25	6.71	91.25	4.81
49.50	16.35	63.50	9.94	77.50	6.67	91.50	4.79
49.75	16.19	63.75	9.86	77.75	6.63	91.75	4.76
50.00	16.03	64.00	9.78	78.00	6.59	92.00	4.73
50.25	15.87	64.25	9.71	78.25	6.54	92.25	4.71
50.50	15.71	64.50	9.63	78.50	6.50	92.50	4.68
50.75	15.56	64.75	9.56	78.75	6.46	92.75	4.66
51.00	15.41	65.00	9.48	79.00	6.42	93.00	4.63
51.25	15.26	65.25	9.41	79.25	6.38	93.25	4.61
51.50	15.11	65.50	9.34	79.50	6.34	93.50	4.58
51.75	14.96	65.75	9.27	79.75	6.30	93.75	4.56
52.00	14.82	66.00	9.20	80.00	6.26	94.00	4.53
52.25	14.68	66.25	9.13	80.25	6.22	94.25	4.51
52.50	14.54	66.50	9.06	80.50	6.18	94.50	4.49
52.75	14.40	66.75	8.99	80.75	6.15	94.75	4.46
53.00	14.26	67.00	8.93	81.00	6.11	95.00	4.44
53.25	14.13	67.25	8.86	81.25	6.07	95.25	4.42
53.50	14.00	67.50	8.79	81.50	6.03	95.50	4.39
53.75	13.87	67.75	8.73	81.75	6.00	95.75	4.37
54.00	13.74	68.00	8.67	82.00	5.96	96.00	4.35

Table 7 – 90%

SMART Meter Power Density Computer Modeling

(8 SMART Meters – 2000% reflections)

Meters 8 Electric SMART Meters

Time Avg: 1% % Reflection 2000%

Distance where limits are exceeded			
FCC ft.	1.55	18.7	Inches
BioInitiative ft.	127.50	1530.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	12981.28	10.25	15.44	20.25	3.96	30.25	1.77
0.50	5192.51	10.50	14.71	20.50	3.86	30.50	1.74
0.75	2596.26	10.75	14.03	20.75	3.77	30.75	1.72
1.00	1527.21	11.00	13.40	21.00	3.68	31.00	1.69
1.25	998.56	11.25	12.81	21.25	3.59	31.25	1.66
1.50	701.69	11.50	12.26	21.50	3.51	31.50	1.64
1.75	519.25	11.75	11.75	21.75	3.43	31.75	1.61
2.00	399.42	12.00	11.26	22.00	3.35	32.00	1.58
2.25	316.62	12.25	10.81	22.25	3.28	32.25	1.56
2.50	257.06	12.50	10.38	22.50	3.20	32.50	1.54
2.75	212.81	12.75	9.98	22.75	3.13	32.75	1.51
3.00	179.05	13.00	9.60	23.00	3.07	33.00	1.49
3.25	152.72	13.25	9.24	23.25	3.00	33.25	1.47
3.50	131.79	13.50	8.90	23.50	2.94	33.50	1.45
3.75	114.88	13.75	8.58	23.75	2.88	33.75	1.42
4.00	101.02	14.00	8.28	24.00	2.82	34.00	1.40
4.25	89.53	14.25	7.99	24.25	2.76	34.25	1.38
4.50	79.88	14.50	7.72	24.50	2.70	34.50	1.36
4.75	71.72	14.75	7.46	24.75	2.65	34.75	1.34
5.00	64.74	15.00	7.21	25.00	2.60	35.00	1.32
5.25	58.74	15.25	6.98	25.25	2.54	35.25	1.31
5.50	53.53	15.50	6.75	25.50	2.50	35.50	1.29
5.75	48.99	15.75	6.54	25.75	2.45	35.75	1.27
6.00	45.00	16.00	6.34	26.00	2.40	36.00	1.25
6.25	41.47	16.25	6.14	26.25	2.35	36.25	1.23
6.50	38.35	16.50	5.96	26.50	2.31	36.50	1.22
6.75	35.57	16.75	5.78	26.75	2.27	36.75	1.20
7.00	33.07	17.00	5.61	27.00	2.23	37.00	1.19
7.25	30.83	17.25	5.45	27.25	2.19	37.25	1.17
7.50	28.82	17.50	5.30	27.50	2.15	37.50	1.15
7.75	26.99	17.75	5.15	27.75	2.11	37.75	1.14
8.00	25.33	18.00	5.01	28.00	2.07	38.00	1.12
8.25	23.82	18.25	4.87	28.25	2.03	38.25	1.11
8.50	22.44	18.50	4.74	28.50	2.00	38.50	1.09
8.75	21.18	18.75	4.61	28.75	1.96	38.75	1.08
9.00	20.02	19.00	4.49	29.00	1.93	39.00	1.07
9.25	18.95	19.25	4.38	29.25	1.90	39.25	1.05
9.50	17.97	19.50	4.27	29.50	1.86	39.50	1.04
9.75	17.06	19.75	4.16	29.75	1.83	39.75	1.03
10.00	16.22	20.00	4.06	30.00	1.80	40.00	1.01

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 8 – 1%

SMART Meter Power Density Computer Modeling

(8 SMART Meters – 2000% reflections)

Meters 8 Electric SMART Meters

Time Avg: 1% % Reflection 2000%

Distance where limits are exceeded			
FCC ft. 1.55		18.66 Inches	
BioInitiative ft. 127.50		1530.00 Inches	

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	1.00	54.25	0.55	68.25	0.35	82.25	0.24
40.50	0.99	54.50	0.55	68.50	0.35	82.50	0.24
40.75	0.98	54.75	0.54	68.75	0.34	82.75	0.24
41.00	0.97	55.00	0.54	69.00	0.34	83.00	0.24
41.25	0.95	55.25	0.53	69.25	0.34	83.25	0.23
41.50	0.94	55.50	0.53	69.50	0.34	83.50	0.23
41.75	0.93	55.75	0.52	69.75	0.33	83.75	0.23
42.00	0.92	56.00	0.52	70.00	0.33	84.00	0.23
42.25	0.91	56.25	0.51	70.25	0.33	84.25	0.23
42.50	0.90	56.50	0.51	70.50	0.33	84.50	0.23
42.75	0.89	56.75	0.50	70.75	0.32	84.75	0.23
43.00	0.88	57.00	0.50	71.00	0.32	85.00	0.22
43.25	0.87	57.25	0.50	71.25	0.32	85.25	0.22
43.50	0.86	57.50	0.49	71.50	0.32	85.50	0.22
43.75	0.85	57.75	0.49	71.75	0.32	85.75	0.22
44.00	0.84	58.00	0.48	72.00	0.31	86.00	0.22
44.25	0.83	58.25	0.48	72.25	0.31	86.25	0.22
44.50	0.82	58.50	0.47	72.50	0.31	86.50	0.22
44.75	0.81	58.75	0.47	72.75	0.31	86.75	0.22
45.00	0.80	59.00	0.47	73.00	0.30	87.00	0.21
45.25	0.79	59.25	0.46	73.25	0.30	87.25	0.21
45.50	0.78	59.50	0.46	73.50	0.30	87.50	0.21
45.75	0.78	59.75	0.45	73.75	0.30	87.75	0.21
46.00	0.77	60.00	0.45	74.00	0.30	88.00	0.21
46.25	0.76	60.25	0.45	74.25	0.29	88.25	0.21
46.50	0.75	60.50	0.44	74.50	0.29	88.50	0.21
46.75	0.74	60.75	0.44	74.75	0.29	88.75	0.21
47.00	0.73	61.00	0.44	75.00	0.29	89.00	0.20
47.25	0.73	61.25	0.43	75.25	0.29	89.25	0.20
47.50	0.72	61.50	0.43	75.50	0.28	89.50	0.20
47.75	0.71	61.75	0.43	75.75	0.28	89.75	0.20
48.00	0.70	62.00	0.42	76.00	0.28	90.00	0.20
48.25	0.70	62.25	0.42	76.25	0.28	90.25	0.20
48.50	0.69	62.50	0.42	76.50	0.28	90.50	0.20
48.75	0.68	62.75	0.41	76.75	0.28	90.75	0.20
49.00	0.68	63.00	0.41	77.00	0.27	91.00	0.20
49.25	0.67	63.25	0.41	77.25	0.27	91.25	0.19
49.50	0.66	63.50	0.40	77.50	0.27	91.50	0.19
49.75	0.66	63.75	0.40	77.75	0.27	91.75	0.19
50.00	0.65	64.00	0.40	78.00	0.27	92.00	0.19
50.25	0.64	64.25	0.39	78.25	0.27	92.25	0.19
50.50	0.64	64.50	0.39	78.50	0.26	92.50	0.19
50.75	0.63	64.75	0.39	78.75	0.26	92.75	0.19
51.00	0.62	65.00	0.38	79.00	0.26	93.00	0.19
51.25	0.62	65.25	0.38	79.25	0.26	93.25	0.19
51.50	0.61	65.50	0.38	79.50	0.26	93.50	0.19
51.75	0.61	65.75	0.38	79.75	0.26	93.75	0.18
52.00	0.60	66.00	0.37	80.00	0.25	94.00	0.18
52.25	0.59	66.25	0.37	80.25	0.25	94.25	0.18
52.50	0.59	66.50	0.37	80.50	0.25	94.50	0.18
52.75	0.58	66.75	0.36	80.75	0.25	94.75	0.18
53.00	0.58	67.00	0.36	81.00	0.25	95.00	0.18
53.25	0.57	67.25	0.36	81.25	0.25	95.25	0.18
53.50	0.57	67.50	0.36	81.50	0.24	95.50	0.18
53.75	0.56	67.75	0.35	81.75	0.24	95.75	0.18
54.00	0.56	68.00	0.35	82.00	0.24	96.00	0.18

Table 8 – 1%

SMART Meter Power Density Computer Modeling

(8 SMART Meters – 2000% reflections)

Meters 8 Electric SMART Meters

Time Avg: 10% % Reflection 2000%

Distance where limits are exceeded			
FCC ft.	4.97	59.7	Inches
BioInitiative ft.	402.00	4824.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	129812.81	10.25	154.36	20.25	39.57	30.25	17.73
0.50	51925.13	10.50	147.10	20.50	38.61	30.50	17.44
0.75	25962.56	10.75	140.34	20.75	37.68	30.75	17.16
1.00	15272.10	11.00	134.03	21.00	36.79	31.00	16.88
1.25	9985.60	11.25	128.15	21.25	35.93	31.25	16.61
1.50	7016.91	11.50	122.64	21.50	35.10	31.50	16.35
1.75	5192.51	11.75	117.48	21.75	34.30	31.75	16.10
2.00	3994.24	12.00	112.64	22.00	33.52	32.00	15.85
2.25	3166.17	12.25	108.09	22.25	32.77	32.25	15.60
2.50	2570.55	12.50	103.81	22.50	32.05	32.50	15.36
2.75	2128.08	12.75	99.78	22.75	31.35	32.75	15.13
3.00	1790.52	13.00	95.98	23.00	30.67	33.00	14.90
3.25	1527.21	13.25	92.39	23.25	30.01	33.25	14.68
3.50	1317.90	13.50	89.00	23.50	29.38	33.50	14.46
3.75	1148.79	13.75	85.80	23.75	28.76	33.75	14.24
4.00	1010.22	14.00	82.76	24.00	28.17	34.00	14.04
4.25	895.26	14.25	79.88	24.25	27.59	34.25	13.83
4.50	798.85	14.50	77.15	24.50	27.03	34.50	13.63
4.75	717.20	14.75	74.56	24.75	26.49	34.75	13.44
5.00	647.45	15.00	72.10	25.00	25.96	35.00	13.25
5.25	587.39	15.25	69.75	25.25	25.45	35.25	13.06
5.50	535.31	15.50	67.52	25.50	24.95	35.50	12.88
5.75	489.86	15.75	65.40	25.75	24.47	35.75	12.70
6.00	449.96	16.00	63.37	26.00	24.00	36.00	12.52
6.25	414.74	16.25	61.44	26.25	23.55	36.25	12.35
6.50	383.49	16.50	59.59	26.50	23.10	36.50	12.18
6.75	355.65	16.75	57.82	26.75	22.67	36.75	12.01
7.00	330.73	17.00	56.14	27.00	22.26	37.00	11.85
7.25	308.34	17.25	54.52	27.25	21.85	37.25	11.69
7.50	288.15	17.50	52.97	27.50	21.45	37.50	11.54
7.75	269.88	17.75	51.49	27.75	21.07	37.75	11.39
8.00	253.29	18.00	50.07	28.00	20.70	38.00	11.24
8.25	238.19	18.25	48.71	28.25	20.33	38.25	11.09
8.50	224.40	18.50	47.40	28.50	19.98	38.50	10.95
8.75	211.77	18.75	46.15	28.75	19.63	38.75	10.81
9.00	200.17	19.00	44.94	29.00	19.29	39.00	10.67
9.25	189.51	19.25	43.78	29.25	18.96	39.25	10.53
9.50	179.67	19.50	42.67	29.50	18.64	39.50	10.40
9.75	170.58	19.75	41.59	29.75	18.33	39.75	10.27
10.00	162.16	20.00	40.56	30.00	18.03	40.00	10.14

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 8 – 10%

SMART Meter Power Density Computer Modeling

(8 SMART Meters – 2000% reflections)

Meters 8 Electric SMART Meters

Time Avg: 10% % Reflection 2000%

Distance where limits are exceeded			
FCC ft. 4.97		59.68 Inches	
BioInitiative ft. 402.00		4824.00 Inches	

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	10.02	54.25	5.51	68.25	3.48	82.25	2.40
40.50	9.89	54.50	5.46	68.50	3.46	82.50	2.38
40.75	9.77	54.75	5.41	68.75	3.43	82.75	2.37
41.00	9.65	55.00	5.36	69.00	3.41	83.00	2.36
41.25	9.54	55.25	5.32	69.25	3.38	83.25	2.34
41.50	9.42	55.50	5.27	69.50	3.36	83.50	2.33
41.75	9.31	55.75	5.22	69.75	3.34	83.75	2.31
42.00	9.20	56.00	5.17	70.00	3.31	84.00	2.30
42.25	9.09	56.25	5.13	70.25	3.29	84.25	2.29
42.50	8.98	56.50	5.08	70.50	3.26	84.50	2.27
42.75	8.88	56.75	5.04	70.75	3.24	84.75	2.26
43.00	8.78	57.00	4.99	71.00	3.22	85.00	2.25
43.25	8.67	57.25	4.95	71.25	3.20	85.25	2.23
43.50	8.58	57.50	4.91	71.50	3.17	85.50	2.22
43.75	8.48	57.75	4.87	71.75	3.15	85.75	2.21
44.00	8.38	58.00	4.82	72.00	3.13	86.00	2.19
44.25	8.29	58.25	4.78	72.25	3.11	86.25	2.18
44.50	8.19	58.50	4.74	72.50	3.09	86.50	2.17
44.75	8.10	58.75	4.70	72.75	3.07	86.75	2.16
45.00	8.01	59.00	4.66	73.00	3.04	87.00	2.14
45.25	7.92	59.25	4.62	73.25	3.02	87.25	2.13
45.50	7.84	59.50	4.58	73.50	3.00	87.50	2.12
45.75	7.75	59.75	4.55	73.75	2.98	87.75	2.11
46.00	7.67	60.00	4.51	74.00	2.96	88.00	2.10
46.25	7.59	60.25	4.47	74.25	2.94	88.25	2.08
46.50	7.50	60.50	4.43	74.50	2.92	88.50	2.07
46.75	7.42	60.75	4.40	74.75	2.90	88.75	2.06
47.00	7.35	61.00	4.36	75.00	2.88	89.00	2.05
47.25	7.27	61.25	4.33	75.25	2.87	89.25	2.04
47.50	7.19	61.50	4.29	75.50	2.85	89.50	2.03
47.75	7.12	61.75	4.26	75.75	2.83	89.75	2.01
48.00	7.04	62.00	4.22	76.00	2.81	90.00	2.00
48.25	6.97	62.25	4.19	76.25	2.79	90.25	1.99
48.50	6.90	62.50	4.15	76.50	2.77	90.50	1.98
48.75	6.83	62.75	4.12	76.75	2.75	90.75	1.97
49.00	6.76	63.00	4.09	77.00	2.74	91.00	1.96
49.25	6.69	63.25	4.06	77.25	2.72	91.25	1.95
49.50	6.62	63.50	4.02	77.50	2.70	91.50	1.94
49.75	6.56	63.75	3.99	77.75	2.68	91.75	1.93
50.00	6.49	64.00	3.96	78.00	2.67	92.00	1.92
50.25	6.43	64.25	3.93	78.25	2.65	92.25	1.91
50.50	6.36	64.50	3.90	78.50	2.63	92.50	1.90
50.75	6.30	64.75	3.87	78.75	2.62	92.75	1.89
51.00	6.24	65.00	3.84	79.00	2.60	93.00	1.88
51.25	6.18	65.25	3.81	79.25	2.58	93.25	1.87
51.50	6.12	65.50	3.78	79.50	2.57	93.50	1.86
51.75	6.06	65.75	3.75	79.75	2.55	93.75	1.85
52.00	6.00	66.00	3.73	80.00	2.54	94.00	1.84
52.25	5.94	66.25	3.70	80.25	2.52	94.25	1.83
52.50	5.89	66.50	3.67	80.50	2.50	94.50	1.82
52.75	5.83	66.75	3.64	80.75	2.49	94.75	1.81
53.00	5.78	67.00	3.61	81.00	2.47	95.00	1.80
53.25	5.72	67.25	3.59	81.25	2.46	95.25	1.79
53.50	5.67	67.50	3.56	81.50	2.44	95.50	1.78
53.75	5.62	67.75	3.54	81.75	2.43	95.75	1.77
54.00	5.56	68.00	3.51	82.00	2.41	96.00	1.76

Table 8 – 10%

SMART Meter Power Density Computer Modeling

(8 SMART Meters – 2000% reflections)

Meters 8 Electric SMART Meters
Time Avg: 20% % Reflection 2000%

Distance where limits are exceeded			
FCC ft.	7.04	84.5	Inches
BioInitiative ft.	570.00	6840.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	259625.63	10.25	308.71	20.25	79.13	30.25	35.46
0.50	103850.25	10.50	294.19	20.50	77.21	30.50	34.88
0.75	51925.13	10.75	280.68	20.75	75.36	30.75	34.32
1.00	30544.19	11.00	268.07	21.00	73.58	31.00	33.77
1.25	19971.20	11.25	256.29	21.25	71.86	31.25	33.23
1.50	14033.82	11.50	245.28	21.50	70.20	31.50	32.70
1.75	10385.03	11.75	234.96	21.75	68.59	31.75	32.19
2.00	7988.48	12.00	225.27	22.00	67.04	32.00	31.69
2.25	6332.33	12.25	216.17	22.25	65.55	32.25	31.20
2.50	5141.10	12.50	207.62	22.50	64.10	32.50	30.72
2.75	4256.16	12.75	199.56	22.75	62.70	32.75	30.26
3.00	3581.04	13.00	191.96	23.00	61.34	33.00	29.80
3.25	3054.42	13.25	184.79	23.25	60.03	33.25	29.35
3.50	2635.79	13.50	178.01	23.50	58.76	33.50	28.92
3.75	2297.57	13.75	171.60	23.75	57.53	33.75	28.49
4.00	2020.43	14.00	165.52	24.00	56.34	34.00	28.07
4.25	1790.52	14.25	159.77	24.25	55.18	34.25	27.66
4.50	1597.70	14.50	154.31	24.50	54.06	34.50	27.26
4.75	1434.40	14.75	149.12	24.75	52.97	34.75	26.87
5.00	1294.89	15.00	144.20	25.00	51.92	35.00	26.49
5.25	1174.78	15.25	139.51	25.25	50.90	35.25	26.12
5.50	1070.62	15.50	135.05	25.50	49.90	35.50	25.75
5.75	979.72	15.75	130.79	25.75	48.94	35.75	25.39
6.00	899.92	16.00	126.74	26.00	48.00	36.00	25.04
6.25	829.47	16.25	122.87	26.25	47.09	36.25	24.70
6.50	766.99	16.50	119.18	26.50	46.21	36.50	24.36
6.75	711.30	16.75	115.65	26.75	45.35	36.75	24.03
7.00	661.47	17.00	112.27	27.00	44.51	37.00	23.70
7.25	616.69	17.25	109.04	27.25	43.70	37.25	23.39
7.50	576.31	17.50	105.95	27.50	42.91	37.50	23.08
7.75	539.76	17.75	102.99	27.75	42.14	37.75	22.77
8.00	506.59	18.00	100.14	28.00	41.39	38.00	22.47
8.25	476.38	18.25	97.42	28.25	40.66	38.25	22.18
8.50	448.79	18.50	94.81	28.50	39.95	38.50	21.89
8.75	423.53	18.75	92.29	28.75	39.26	38.75	21.61
9.00	400.35	19.00	89.88	29.00	38.59	39.00	21.34
9.25	379.02	19.25	87.56	29.25	37.93	39.25	21.06
9.50	359.34	19.50	85.33	29.50	37.29	39.50	20.80
9.75	341.16	19.75	83.19	29.75	36.67	39.75	20.54
10.00	324.33	20.00	81.12	30.00	36.06	40.00	20.28

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 8 – 20%

SMART Meter Power Density Computer Modeling

(8 SMART Meters – 2000% reflections)

Meters 8 Electric SMART Meters
Time Avg: 20% % Reflection 2000%

Distance where limits are exceeded	
FCC ft. 7.04	84.45 Inches
BioInitiative ft. 570.00	6840.00 Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	20.03	54.25	11.03	68.25	6.97	82.25	4.80
40.50	19.78	54.50	10.93	68.50	6.92	82.50	4.77
40.75	19.54	54.75	10.83	68.75	6.87	82.75	4.74
41.00	19.31	55.00	10.73	69.00	6.82	83.00	4.71
41.25	19.07	55.25	10.63	69.25	6.77	83.25	4.68
41.50	18.84	55.50	10.54	69.50	6.72	83.50	4.65
41.75	18.62	55.75	10.44	69.75	6.67	83.75	4.63
42.00	18.40	56.00	10.35	70.00	6.62	84.00	4.60
42.25	18.18	56.25	10.26	70.25	6.58	84.25	4.57
42.50	17.97	56.50	10.17	70.50	6.53	84.50	4.55
42.75	17.76	56.75	10.08	70.75	6.48	84.75	4.52
43.00	17.55	57.00	9.99	71.00	6.44	85.00	4.49
43.25	17.35	57.25	9.90	71.25	6.39	85.25	4.47
43.50	17.15	57.50	9.82	71.50	6.35	85.50	4.44
43.75	16.95	57.75	9.73	71.75	6.30	85.75	4.41
44.00	16.76	58.00	9.65	72.00	6.26	86.00	4.39
44.25	16.57	58.25	9.56	72.25	6.22	86.25	4.36
44.50	16.39	58.50	9.48	72.50	6.17	86.50	4.34
44.75	16.21	58.75	9.40	72.75	6.13	86.75	4.31
45.00	16.03	59.00	9.32	73.00	6.09	87.00	4.29
45.25	15.85	59.25	9.24	73.25	6.05	87.25	4.26
45.50	15.68	59.50	9.17	73.50	6.01	87.50	4.24
45.75	15.50	59.75	9.09	73.75	5.97	87.75	4.21
46.00	15.34	60.00	9.01	74.00	5.93	88.00	4.19
46.25	15.17	60.25	8.94	74.25	5.89	88.25	4.17
46.50	15.01	60.50	8.87	74.50	5.85	88.50	4.14
46.75	14.85	60.75	8.79	74.75	5.81	88.75	4.12
47.00	14.69	61.00	8.72	75.00	5.77	89.00	4.10
47.25	14.54	61.25	8.65	75.25	5.73	89.25	4.07
47.50	14.38	61.50	8.58	75.50	5.69	89.50	4.05
47.75	14.23	61.75	8.51	75.75	5.66	89.75	4.03
48.00	14.09	62.00	8.44	76.00	5.62	90.00	4.01
48.25	13.94	62.25	8.37	76.25	5.58	90.25	3.98
48.50	13.80	62.50	8.31	76.50	5.55	90.50	3.96
48.75	13.66	62.75	8.24	76.75	5.51	90.75	3.94
49.00	13.52	63.00	8.18	77.00	5.47	91.00	3.92
49.25	13.38	63.25	8.11	77.25	5.44	91.25	3.90
49.50	13.24	63.50	8.05	77.50	5.40	91.50	3.88
49.75	13.11	63.75	7.99	77.75	5.37	91.75	3.86
50.00	12.98	64.00	7.92	78.00	5.33	92.00	3.83
50.25	12.85	64.25	7.86	78.25	5.30	92.25	3.81
50.50	12.73	64.50	7.80	78.50	5.27	92.50	3.79
50.75	12.60	64.75	7.74	78.75	5.23	92.75	3.77
51.00	12.48	65.00	7.68	79.00	5.20	93.00	3.75
51.25	12.36	65.25	7.62	79.25	5.17	93.25	3.73
51.50	12.24	65.50	7.56	79.50	5.13	93.50	3.71
51.75	12.12	65.75	7.51	79.75	5.10	93.75	3.69
52.00	12.00	66.00	7.45	80.00	5.07	94.00	3.67
52.25	11.89	66.25	7.39	80.25	5.04	94.25	3.65
52.50	11.77	66.50	7.34	80.50	5.01	94.50	3.63
52.75	11.66	66.75	7.28	80.75	4.98	94.75	3.61
53.00	11.55	67.00	7.23	81.00	4.95	95.00	3.60
53.25	11.44	67.25	7.18	81.25	4.92	95.25	3.58
53.50	11.34	67.50	7.12	81.50	4.89	95.50	3.56
53.75	11.23	67.75	7.07	81.75	4.86	95.75	3.54
54.00	11.13	68.00	7.02	82.00	4.83	96.00	3.52

Table 8 – 20%

SMART Meter Power Density Computer Modeling

(8 SMART Meters – 2000% reflections)

Meters 8 Electric SMART Meters

Time Avg: 30% % Reflection 2000%

Distance where limits are exceeded			
FCC ft.	8.62	103.5	Inches
BioInitiative ft.	698.00	8376.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	389438.44	10.25	463.07	20.25	118.70	30.25	53.19
0.50	155775.38	10.50	441.29	20.50	115.82	30.50	52.33
0.75	77887.69	10.75	421.01	20.75	113.04	30.75	51.48
1.00	45816.29	11.00	402.10	21.00	110.37	31.00	50.65
1.25	29956.80	11.25	384.44	21.25	107.79	31.25	49.84
1.50	21050.73	11.50	367.92	21.50	105.30	31.50	49.06
1.75	15577.54	11.75	352.43	21.75	102.89	31.75	48.29
2.00	11982.72	12.00	337.91	22.00	100.57	32.00	47.54
2.25	9498.50	12.25	324.26	22.25	98.32	32.25	46.80
2.50	7711.65	12.50	311.43	22.50	96.15	32.50	46.08
2.75	6384.24	12.75	299.34	22.75	94.04	32.75	45.38
3.00	5371.56	13.00	287.94	23.00	92.01	33.00	44.70
3.25	4581.63	13.25	277.18	23.25	90.04	33.25	44.03
3.50	3953.69	13.50	267.01	23.50	88.14	33.50	43.37
3.75	3446.36	13.75	257.39	23.75	86.29	33.75	42.73
4.00	3030.65	14.00	248.29	24.00	84.50	34.00	42.11
4.25	2685.78	14.25	239.65	24.25	82.77	34.25	41.50
4.50	2396.54	14.50	231.46	24.50	81.09	34.50	40.90
4.75	2151.59	14.75	223.69	24.75	79.46	34.75	40.31
5.00	1942.34	15.00	216.29	25.00	77.88	35.00	39.74
5.25	1762.16	15.25	209.26	25.25	76.35	35.25	39.17
5.50	1605.93	15.50	202.57	25.50	74.86	35.50	38.63
5.75	1469.58	15.75	196.19	25.75	73.41	35.75	38.09
6.00	1349.87	16.00	190.11	26.00	72.00	36.00	37.56
6.25	1244.21	16.25	184.31	26.25	70.64	36.25	37.04
6.50	1150.48	16.50	178.76	26.50	69.31	36.50	36.54
6.75	1066.95	16.75	173.47	26.75	68.02	36.75	36.04
7.00	992.20	17.00	168.41	27.00	66.77	37.00	35.56
7.25	925.03	17.25	163.56	27.25	65.55	37.25	35.08
7.50	864.46	17.50	158.92	27.50	64.36	37.50	34.62
7.75	809.64	17.75	154.48	27.75	63.21	37.75	34.16
8.00	759.88	18.00	150.22	28.00	62.09	38.00	33.71
8.25	714.57	18.25	146.13	28.25	60.99	38.25	33.27
8.50	673.19	18.50	142.21	28.50	59.93	38.50	32.84
8.75	635.30	18.75	138.44	28.75	58.89	38.75	32.42
9.00	600.52	19.00	134.82	29.00	57.88	39.00	32.00
9.25	568.52	19.25	131.35	29.25	56.89	39.25	31.60
9.50	539.02	19.50	128.00	29.50	55.93	39.50	31.20
9.75	511.75	19.75	124.78	29.75	55.00	39.75	30.81
10.00	486.49	20.00	121.68	30.00	54.08	40.00	30.42

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 8 – 30%

SMART Meter Power Density Computer Modeling

(8 SMART Meters – 2000% reflections)

Meters 8 Electric SMART Meters

Time Avg: 30% % Reflection 2000%

Distance where limits are exceeded			
FCC ft. 8.62		103.45 Inches	
BioInitiative ft. 698.00		8376.00 Inches	

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	30.05	54.25	16.54	68.25	10.45	82.25	7.20
40.50	29.68	54.50	16.39	68.50	10.37	82.50	7.15
40.75	29.31	54.75	16.24	68.75	10.30	82.75	7.11
41.00	28.96	55.00	16.09	69.00	10.22	83.00	7.07
41.25	28.61	55.25	15.95	69.25	10.15	83.25	7.02
41.50	28.26	55.50	15.80	69.50	10.08	83.50	6.98
41.75	27.93	55.75	15.66	69.75	10.01	83.75	6.94
42.00	27.60	56.00	15.52	70.00	9.93	84.00	6.90
42.25	27.27	56.25	15.38	70.25	9.86	84.25	6.86
42.50	26.95	56.50	15.25	70.50	9.79	84.50	6.82
42.75	26.64	56.75	15.12	70.75	9.73	84.75	6.78
43.00	26.33	57.00	14.98	71.00	9.66	85.00	6.74
43.25	26.02	57.25	14.85	71.25	9.59	85.25	6.70
43.50	25.73	57.50	14.72	71.50	9.52	85.50	6.66
43.75	25.43	57.75	14.60	71.75	9.46	85.75	6.62
44.00	25.14	58.00	14.47	72.00	9.39	86.00	6.58
44.25	24.86	58.25	14.35	72.25	9.33	86.25	6.54
44.50	24.58	58.50	14.22	72.50	9.26	86.50	6.51
44.75	24.31	58.75	14.10	72.75	9.20	86.75	6.47
45.00	24.04	59.00	13.98	73.00	9.13	87.00	6.43
45.25	23.77	59.25	13.87	73.25	9.07	87.25	6.39
45.50	23.51	59.50	13.75	73.50	9.01	87.50	6.36
45.75	23.26	59.75	13.64	73.75	8.95	87.75	6.32
46.00	23.00	60.00	13.52	74.00	8.89	88.00	6.29
46.25	22.76	60.25	13.41	74.25	8.83	88.25	6.25
46.50	22.51	60.50	13.30	74.50	8.77	88.50	6.22
46.75	22.27	60.75	13.19	74.75	8.71	88.75	6.18
47.00	22.04	61.00	13.08	75.00	8.65	89.00	6.15
47.25	21.80	61.25	12.98	75.25	8.60	89.25	6.11
47.50	21.57	61.50	12.87	75.50	8.54	89.50	6.08
47.75	21.35	61.75	12.77	75.75	8.48	89.75	6.04
48.00	21.13	62.00	12.66	76.00	8.43	90.00	6.01
48.25	20.91	62.25	12.56	76.25	8.37	90.25	5.98
48.50	20.69	62.50	12.46	76.50	8.32	90.50	5.94
48.75	20.48	62.75	12.36	76.75	8.26	90.75	5.91
49.00	20.27	63.00	12.26	77.00	8.21	91.00	5.88
49.25	20.07	63.25	12.17	77.25	8.16	91.25	5.85
49.50	19.87	63.50	12.07	77.50	8.10	91.50	5.81
49.75	19.67	63.75	11.98	77.75	8.05	91.75	5.78
50.00	19.47	64.00	11.88	78.00	8.00	92.00	5.75
50.25	19.28	64.25	11.79	78.25	7.95	92.25	5.72
50.50	19.09	64.50	11.70	78.50	7.90	92.50	5.69
50.75	18.90	64.75	11.61	78.75	7.85	92.75	5.66
51.00	18.72	65.00	11.52	79.00	7.80	93.00	5.63
51.25	18.53	65.25	11.43	79.25	7.75	93.25	5.60
51.50	18.35	65.50	11.35	79.50	7.70	93.50	5.57
51.75	18.18	65.75	11.26	79.75	7.65	93.75	5.54
52.00	18.00	66.00	11.18	80.00	7.61	94.00	5.51
52.25	17.83	66.25	11.09	80.25	7.56	94.25	5.48
52.50	17.66	66.50	11.01	80.50	7.51	94.50	5.45
52.75	17.49	66.75	10.93	80.75	7.47	94.75	5.42
53.00	17.33	67.00	10.84	81.00	7.42	95.00	5.39
53.25	17.17	67.25	10.76	81.25	7.37	95.25	5.37
53.50	17.01	67.50	10.68	81.50	7.33	95.50	5.34
53.75	16.85	67.75	10.61	81.75	7.28	95.75	5.31
54.00	16.69	68.00	10.53	82.00	7.24	96.00	5.28

Table 8 – 30%

SMART Meter Power Density Computer Modeling

(8 SMART Meters – 2000% reflections)

Meters 8 Electric SMART Meters
Time Avg: 40% % Reflection 2000%

Distance where limits are exceeded			
FCC ft.	9.96	119.5	Inches
BioInitiative ft.	805.00	9660.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	519251.26	10.25	617.42	20.25	158.26	30.25	70.93
0.50	207700.50	10.50	588.39	20.50	154.42	30.50	69.77
0.75	103850.25	10.75	561.35	20.75	150.73	30.75	68.64
1.00	61088.38	11.00	536.14	21.00	147.16	31.00	67.54
1.25	39942.40	11.25	512.59	21.25	143.72	31.25	66.46
1.50	28067.64	11.50	490.55	21.50	140.40	31.50	65.41
1.75	20770.05	11.75	469.91	21.75	137.19	31.75	64.38
2.00	15976.96	12.00	450.54	22.00	134.09	32.00	63.38
2.25	12664.66	12.25	432.35	22.25	131.09	32.25	62.40
2.50	10282.20	12.50	415.23	22.50	128.19	32.50	61.45
2.75	8512.32	12.75	399.12	22.75	125.39	32.75	60.51
3.00	7162.09	13.00	383.92	23.00	122.68	33.00	59.60
3.25	6108.84	13.25	369.57	23.25	120.06	33.25	58.71
3.50	5271.59	13.50	356.02	23.50	117.52	33.50	57.83
3.75	4595.14	13.75	343.19	23.75	115.06	33.75	56.98
4.00	4040.87	14.00	331.05	24.00	112.67	34.00	56.14
4.25	3581.04	14.25	319.54	24.25	110.36	34.25	55.33
4.50	3195.39	14.50	308.62	24.50	108.12	34.50	54.53
4.75	2868.79	14.75	298.25	24.75	105.95	34.75	53.75
5.00	2589.78	15.00	288.39	25.00	103.84	35.00	52.98
5.25	2349.55	15.25	279.02	25.25	101.79	35.25	52.23
5.50	2141.24	15.50	270.09	25.50	99.81	35.50	51.50
5.75	1959.44	15.75	261.59	25.75	97.88	35.75	50.78
6.00	1799.83	16.00	253.48	26.00	96.01	36.00	50.08
6.25	1658.95	16.25	245.74	26.25	94.19	36.25	49.39
6.50	1533.98	16.50	238.35	26.50	92.42	36.50	48.72
6.75	1422.61	16.75	231.29	26.75	90.70	36.75	48.06
7.00	1322.93	17.00	224.54	27.00	89.03	37.00	47.41
7.25	1233.38	17.25	218.08	27.25	87.40	37.25	46.78
7.50	1152.61	17.50	211.90	27.50	85.82	37.50	46.15
7.75	1079.52	17.75	205.97	27.75	84.28	37.75	45.54
8.00	1013.17	18.00	200.29	28.00	82.78	38.00	44.95
8.25	952.75	18.25	194.84	28.25	81.32	38.25	44.36
8.50	897.58	18.50	189.61	28.50	79.90	38.50	43.79
8.75	847.07	18.75	184.59	28.75	78.52	38.75	43.22
9.00	800.70	19.00	179.77	29.00	77.17	39.00	42.67
9.25	758.03	19.25	175.13	29.25	75.86	39.25	42.13
9.50	718.69	19.50	170.67	29.50	74.58	39.50	41.60
9.75	682.33	19.75	166.37	29.75	73.33	39.75	41.08
10.00	648.66	20.00	162.24	30.00	72.11	40.00	40.56

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 8 – 40%

SMART Meter Power Density Computer Modeling

(8 SMART Meters – 2000% reflections)

Meters 8 Electric SMART Meters

Time Avg: 40% % Reflection 2000%

Distance where limits are exceeded		
FCC ft. 9.96	119.47 Inches	
BioInitiative ft. 805.00	9660.00 Inches	

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	40.06	54.25	22.05	68.25	13.93	82.25	9.59
40.50	39.57	54.50	21.85	68.50	13.83	82.50	9.54
40.75	39.09	54.75	21.65	68.75	13.73	82.75	9.48
41.00	38.61	55.00	21.46	69.00	13.63	83.00	9.42
41.25	38.14	55.25	21.26	69.25	13.53	83.25	9.37
41.50	37.69	55.50	21.07	69.50	13.44	83.50	9.31
41.75	37.24	55.75	20.88	69.75	13.34	83.75	9.25
42.00	36.79	56.00	20.70	70.00	13.25	84.00	9.20
42.25	36.36	56.25	20.51	70.25	13.15	84.25	9.14
42.50	35.93	56.50	20.33	70.50	13.06	84.50	9.09
42.75	35.51	56.75	20.15	70.75	12.97	84.75	9.04
43.00	35.10	57.00	19.98	71.00	12.88	85.00	8.98
43.25	34.70	57.25	19.80	71.25	12.79	85.25	8.93
43.50	34.30	57.50	19.63	71.50	12.70	85.50	8.88
43.75	33.91	57.75	19.46	71.75	12.61	85.75	8.83
44.00	33.52	58.00	19.29	72.00	12.52	86.00	8.78
44.25	33.15	58.25	19.13	72.25	12.43	86.25	8.73
44.50	32.78	58.50	18.97	72.50	12.35	86.50	8.67
44.75	32.41	58.75	18.80	72.75	12.26	86.75	8.62
45.00	32.05	59.00	18.65	73.00	12.18	87.00	8.58
45.25	31.70	59.25	18.49	73.25	12.10	87.25	8.53
45.50	31.35	59.50	18.33	73.50	12.01	87.50	8.48
45.75	31.01	59.75	18.18	73.75	11.93	87.75	8.43
46.00	30.67	60.00	18.03	74.00	11.85	88.00	8.38
46.25	30.34	60.25	17.88	74.25	11.77	88.25	8.33
46.50	30.02	60.50	17.73	74.50	11.69	88.50	8.29
46.75	29.70	60.75	17.59	74.75	11.62	88.75	8.24
47.00	29.38	61.00	17.44	75.00	11.54	89.00	8.19
47.25	29.07	61.25	17.30	75.25	11.46	89.25	8.15
47.50	28.77	61.50	17.16	75.50	11.39	89.50	8.10
47.75	28.47	61.75	17.02	75.75	11.31	89.75	8.06
48.00	28.17	62.00	16.88	76.00	11.24	90.00	8.01
48.25	27.88	62.25	16.75	76.25	11.16	90.25	7.97
48.50	27.59	62.50	16.62	76.50	11.09	90.50	7.92
48.75	27.31	62.75	16.48	76.75	11.02	90.75	7.88
49.00	27.03	63.00	16.35	77.00	10.95	91.00	7.84
49.25	26.76	63.25	16.22	77.25	10.88	91.25	7.80
49.50	26.49	63.50	16.10	77.50	10.81	91.50	7.75
49.75	26.22	63.75	15.97	77.75	10.74	91.75	7.71
50.00	25.96	64.00	15.85	78.00	10.67	92.00	7.67
50.25	25.70	64.25	15.72	78.25	10.60	92.25	7.63
50.50	25.45	64.50	15.60	78.50	10.53	92.50	7.59
50.75	25.20	64.75	15.48	78.75	10.47	92.75	7.54
51.00	24.95	65.00	15.36	79.00	10.40	93.00	7.50
51.25	24.71	65.25	15.24	79.25	10.33	93.25	7.46
51.50	24.47	65.50	15.13	79.50	10.27	93.50	7.42
51.75	24.24	65.75	15.01	79.75	10.21	93.75	7.38
52.00	24.00	66.00	14.90	80.00	10.14	94.00	7.35
52.25	23.77	66.25	14.79	80.25	10.08	94.25	7.31
52.50	23.55	66.50	14.68	80.50	10.02	94.50	7.27
52.75	23.33	66.75	14.57	80.75	9.95	94.75	7.23
53.00	23.11	67.00	14.46	81.00	9.89	95.00	7.19
53.25	22.89	67.25	14.35	81.25	9.83	95.25	7.15
53.50	22.68	67.50	14.25	81.50	9.77	95.50	7.12
53.75	22.47	67.75	14.14	81.75	9.71	95.75	7.08
54.00	22.26	68.00	14.04	82.00	9.65	96.00	7.04

Table 8 – 40%

SMART Meter Power Density Computer Modeling

(8 SMART Meters – 2000% reflections)

Meters 8 Electric SMART Meters

Time Avg: 50% % Reflection 2000%

Distance where limits are exceeded			
FCC ft.	11.13	133.6	Inches
BioInitiative ft.	900.00	10800.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	649064.07	10.25	771.78	20.25	197.83	30.25	88.66
0.50	259625.63	10.50	735.48	20.50	193.03	30.50	87.21
0.75	129812.81	10.75	701.69	20.75	188.41	30.75	85.80
1.00	76360.48	11.00	670.17	21.00	183.95	31.00	84.42
1.25	49928.01	11.25	640.73	21.25	179.65	31.25	83.07
1.50	35084.54	11.50	613.19	21.50	175.49	31.50	81.76
1.75	25962.56	11.75	587.39	21.75	171.48	31.75	80.48
2.00	19971.20	12.00	563.18	22.00	167.61	32.00	79.23
2.25	15830.83	12.25	540.44	22.25	163.86	32.25	78.00
2.50	12852.75	12.50	519.04	22.50	160.24	32.50	76.81
2.75	10640.39	12.75	498.90	22.75	156.74	32.75	75.64
3.00	8952.61	13.00	479.90	23.00	153.35	33.00	74.50
3.25	7636.05	13.25	461.97	23.25	150.07	33.25	73.38
3.50	6589.48	13.50	445.02	23.50	146.90	33.50	72.29
3.75	5743.93	13.75	428.99	23.75	143.82	33.75	71.22
4.00	5051.08	14.00	413.81	24.00	140.84	34.00	70.18
4.25	4476.30	14.25	399.42	24.25	137.95	34.25	69.16
4.50	3994.24	14.50	385.77	24.50	135.15	34.50	68.16
4.75	3585.99	14.75	372.81	24.75	132.44	34.75	67.18
5.00	3237.23	15.00	360.49	25.00	129.80	35.00	66.23
5.25	2936.94	15.25	348.77	25.25	127.24	35.25	65.29
5.50	2676.55	15.50	337.61	25.50	124.76	35.50	64.38
5.75	2449.30	15.75	326.98	25.75	122.35	35.75	63.48
6.00	2249.79	16.00	316.85	26.00	120.01	36.00	62.60
6.25	2073.69	16.25	307.18	26.25	117.73	36.25	61.74
6.50	1917.47	16.50	297.94	26.50	115.52	36.50	60.90
6.75	1778.26	16.75	289.12	26.75	113.37	36.75	60.07
7.00	1653.67	17.00	280.68	27.00	111.28	37.00	59.26
7.25	1541.72	17.25	272.60	27.25	109.25	37.25	58.47
7.50	1440.76	17.50	264.87	27.50	107.27	37.50	57.69
7.75	1349.41	17.75	257.46	27.75	105.35	37.75	56.93
8.00	1266.47	18.00	250.36	28.00	103.48	38.00	56.18
8.25	1190.94	18.25	243.55	28.25	101.65	38.25	55.45
8.50	1121.98	18.50	237.01	28.50	99.88	38.50	54.73
8.75	1058.83	18.75	230.74	28.75	98.15	38.75	54.03
9.00	1000.87	19.00	224.71	29.00	96.46	39.00	53.34
9.25	947.54	19.25	218.91	29.25	94.82	39.25	52.66
9.50	898.36	19.50	213.33	29.50	93.22	39.50	52.00
9.75	852.91	19.75	207.97	29.75	91.66	39.75	51.35
10.00	810.82	20.00	202.80	30.00	90.14	40.00	50.71

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 8 – 50%

SMART Meter Power Density Computer Modeling

(8 SMART Meters – 2000% reflections)

Meters 8 Electric SMART Meters
Time Avg: 50% % Reflection 2000%

Distance where limits are exceeded			
FCC ft. 11.13		133.58 Inches	
BioInitiative ft. 900.00		10800.00 Inches	

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	50.08	54.25	27.57	68.25	17.42	82.25	11.99
40.50	49.46	54.50	27.31	68.50	17.29	82.50	11.92
40.75	48.86	54.75	27.07	68.75	17.17	82.75	11.85
41.00	48.26	55.00	26.82	69.00	17.04	83.00	11.78
41.25	47.68	55.25	26.58	69.25	16.92	83.25	11.71
41.50	47.11	55.50	26.34	69.50	16.80	83.50	11.64
41.75	46.54	55.75	26.10	69.75	16.68	83.75	11.57
42.00	45.99	56.00	25.87	70.00	16.56	84.00	11.50
42.25	45.45	56.25	25.64	70.25	16.44	84.25	11.43
42.50	44.92	56.50	25.42	70.50	16.32	84.50	11.36
42.75	44.39	56.75	25.19	70.75	16.21	84.75	11.30
43.00	43.88	57.00	24.97	71.00	16.09	85.00	11.23
43.25	43.37	57.25	24.75	71.25	15.98	85.25	11.16
43.50	42.88	57.50	24.54	71.50	15.87	85.50	11.10
43.75	42.39	57.75	24.33	71.75	15.76	85.75	11.03
44.00	41.91	58.00	24.12	72.00	15.65	86.00	10.97
44.25	41.43	58.25	23.91	72.25	15.54	86.25	10.91
44.50	40.97	58.50	23.71	72.50	15.44	86.50	10.84
44.75	40.51	58.75	23.51	72.75	15.33	86.75	10.78
45.00	40.06	59.00	23.31	73.00	15.22	87.00	10.72
45.25	39.62	59.25	23.11	73.25	15.12	87.25	10.66
45.50	39.19	59.50	22.92	73.50	15.02	87.50	10.60
45.75	38.76	59.75	22.73	73.75	14.92	87.75	10.54
46.00	38.34	60.00	22.54	74.00	14.82	88.00	10.48
46.25	37.93	60.25	22.35	74.25	14.72	88.25	10.42
46.50	37.52	60.50	22.17	74.50	14.62	88.50	10.36
46.75	37.12	60.75	21.98	74.75	14.52	88.75	10.30
47.00	36.73	61.00	21.80	75.00	14.42	89.00	10.24
47.25	36.34	61.25	21.63	75.25	14.33	89.25	10.19
47.50	35.96	61.50	21.45	75.50	14.23	89.50	10.13
47.75	35.58	61.75	21.28	75.75	14.14	89.75	10.07
48.00	35.21	62.00	21.11	76.00	14.05	90.00	10.02
48.25	34.85	62.25	20.94	76.25	13.95	90.25	9.96
48.50	34.49	62.50	20.77	76.50	13.86	90.50	9.91
48.75	34.14	62.75	20.60	76.75	13.77	90.75	9.85
49.00	33.79	63.00	20.44	77.00	13.68	91.00	9.80
49.25	33.45	63.25	20.28	77.25	13.60	91.25	9.74
49.50	33.11	63.50	20.12	77.50	13.51	91.50	9.69
49.75	32.78	63.75	19.96	77.75	13.42	91.75	9.64
50.00	32.45	64.00	19.81	78.00	13.34	92.00	9.59
50.25	32.13	64.25	19.65	78.25	13.25	92.25	9.53
50.50	31.81	64.50	19.50	78.50	13.17	92.50	9.48
50.75	31.50	64.75	19.35	78.75	13.08	92.75	9.43
51.00	31.19	65.00	19.20	79.00	13.00	93.00	9.38
51.25	30.89	65.25	19.06	79.25	12.92	93.25	9.33
51.50	30.59	65.50	18.91	79.50	12.84	93.50	9.28
51.75	30.29	65.75	18.77	79.75	12.76	93.75	9.23
52.00	30.00	66.00	18.63	80.00	12.68	94.00	9.18
52.25	29.72	66.25	18.49	80.25	12.60	94.25	9.13
52.50	29.44	66.50	18.35	80.50	12.52	94.50	9.09
52.75	29.16	66.75	18.21	80.75	12.44	94.75	9.04
53.00	28.88	67.00	18.07	81.00	12.37	95.00	8.99
53.25	28.61	67.25	17.94	81.25	12.29	95.25	8.94
53.50	28.35	67.50	17.81	81.50	12.21	95.50	8.90
53.75	28.08	67.75	17.68	81.75	12.14	95.75	8.85
54.00	27.82	68.00	17.55	82.00	12.07	96.00	8.80

Table 8 – 50%

SMART Meter Power Density Computer Modeling

(8 SMART Meters – 2000% reflections)

Meters 8 Electric SMART Meters

Time Avg: 60% % Reflection 2000%

Distance where limits are exceeded			
FCC ft.	12.19	146.3	Inches
BioInitiative ft.	985.00	11820.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	778876.88	10.25	926.13	20.25	237.39	30.25	106.39
0.50	311550.75	10.50	882.58	20.50	231.64	30.50	104.65
0.75	155775.38	10.75	842.03	20.75	226.09	30.75	102.96
1.00	91632.57	11.00	804.21	21.00	220.74	31.00	101.30
1.25	59913.61	11.25	768.88	21.25	215.58	31.25	99.69
1.50	42101.45	11.50	735.83	21.50	210.59	31.50	98.11
1.75	31155.08	11.75	704.87	21.75	205.78	31.75	96.57
2.00	23965.44	12.00	675.82	22.00	201.13	32.00	95.07
2.25	18997.00	12.25	648.52	22.25	196.64	32.25	93.60
2.50	15423.30	12.50	622.85	22.50	192.29	32.50	92.17
2.75	12768.47	12.75	598.68	22.75	188.09	32.75	90.77
3.00	10743.13	13.00	575.88	23.00	184.02	33.00	89.40
3.25	9163.26	13.25	554.36	23.25	180.09	33.25	88.06
3.50	7907.38	13.50	534.03	23.50	176.28	33.50	86.75
3.75	6892.72	13.75	514.79	23.75	172.59	33.75	85.47
4.00	6061.30	14.00	496.57	24.00	169.01	34.00	84.22
4.25	5371.56	14.25	479.31	24.25	165.54	34.25	82.99
4.50	4793.09	14.50	462.93	24.50	162.18	34.50	81.79
4.75	4303.19	14.75	447.37	24.75	158.92	34.75	80.62
5.00	3884.67	15.00	432.59	25.00	155.76	35.00	79.47
5.25	3524.33	15.25	418.53	25.25	152.69	35.25	78.35
5.50	3211.86	15.50	405.14	25.50	149.71	35.50	77.25
5.75	2939.16	15.75	392.38	25.75	146.82	35.75	76.17
6.00	2699.75	16.00	380.22	26.00	144.01	36.00	75.12
6.25	2488.42	16.25	368.61	26.25	141.28	36.25	74.09
6.50	2300.97	16.50	357.53	26.50	138.63	36.50	73.08
6.75	2133.91	16.75	346.94	26.75	136.05	36.75	72.08
7.00	1984.40	17.00	336.81	27.00	133.54	37.00	71.11
7.25	1850.06	17.25	327.12	27.25	131.10	37.25	70.16
7.50	1728.92	17.50	317.84	27.50	128.73	37.50	69.23
7.75	1619.29	17.75	308.96	27.75	126.42	37.75	68.32
8.00	1519.76	18.00	300.43	28.00	124.17	38.00	67.42
8.25	1429.13	18.25	292.26	28.25	121.99	38.25	66.54
8.50	1346.37	18.50	284.42	28.50	119.85	38.50	65.68
8.75	1270.60	18.75	276.88	28.75	117.78	38.75	64.84
9.00	1201.04	19.00	269.65	29.00	115.76	39.00	64.01
9.25	1137.05	19.25	262.69	29.25	113.79	39.25	63.19
9.50	1078.03	19.50	256.00	29.50	111.87	39.50	62.40
9.75	1023.49	19.75	249.56	29.75	110.00	39.75	61.62
10.00	972.99	20.00	243.36	30.00	108.17	40.00	60.85

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 8 – 60%

SMART Meter Power Density Computer Modeling

(8 SMART Meters – 2000% reflections)

Meters 8 Electric SMART Meters
Time Avg: 60% % Reflection 2000%

Distance where limits are exceeded			
FCC ft. 12.19		146.33 Inches	
BioInitiative ft. 985.00		11820.00 Inches	

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	60.09	54.25	33.08	68.25	20.90	82.25	14.39
40.50	59.35	54.50	32.78	68.50	20.75	82.50	14.30
40.75	58.63	54.75	32.48	68.75	20.60	82.75	14.22
41.00	57.92	55.00	32.18	69.00	20.45	83.00	14.13
41.25	57.22	55.25	31.89	69.25	20.30	83.25	14.05
41.50	56.53	55.50	31.61	69.50	20.16	83.50	13.96
41.75	55.85	55.75	31.32	69.75	20.01	83.75	13.88
42.00	55.19	56.00	31.05	70.00	19.87	84.00	13.80
42.25	54.54	56.25	30.77	70.25	19.73	84.25	13.72
42.50	53.90	56.50	30.50	70.50	19.59	84.50	13.64
42.75	53.27	56.75	30.23	70.75	19.45	84.75	13.55
43.00	52.65	57.00	29.97	71.00	19.31	85.00	13.48
43.25	52.05	57.25	29.70	71.25	19.18	85.25	13.40
43.50	51.45	57.50	29.45	71.50	19.04	85.50	13.32
43.75	50.86	57.75	29.19	71.75	18.91	85.75	13.24
44.00	50.29	58.00	28.94	72.00	18.78	86.00	13.16
44.25	49.72	58.25	28.69	72.25	18.65	86.25	13.09
44.50	49.16	58.50	28.45	72.50	18.52	86.50	13.01
44.75	48.62	58.75	28.21	72.75	18.40	86.75	12.94
45.00	48.08	59.00	27.97	73.00	18.27	87.00	12.86
45.25	47.55	59.25	27.73	73.25	18.15	87.25	12.79
45.50	47.03	59.50	27.50	73.50	18.02	87.50	12.72
45.75	46.51	59.75	27.27	73.75	17.90	87.75	12.64
46.00	46.01	60.00	27.04	74.00	17.78	88.00	12.57
46.25	45.51	60.25	26.82	74.25	17.66	88.25	12.50
46.50	45.03	60.50	26.60	74.50	17.54	88.50	12.43
46.75	44.55	60.75	26.38	74.75	17.42	88.75	12.36
47.00	44.07	61.00	26.16	75.00	17.31	89.00	12.29
47.25	43.61	61.25	25.95	75.25	17.19	89.25	12.22
47.50	43.15	61.50	25.74	75.50	17.08	89.50	12.15
47.75	42.70	61.75	25.53	75.75	16.97	89.75	12.09
48.00	42.26	62.00	25.33	76.00	16.86	90.00	12.02
48.25	41.82	62.25	25.12	76.25	16.75	90.25	11.95
48.50	41.39	62.50	24.92	76.50	16.64	90.50	11.89
48.75	40.97	62.75	24.73	76.75	16.53	90.75	11.82
49.00	40.55	63.00	24.53	77.00	16.42	91.00	11.76
49.25	40.14	63.25	24.34	77.25	16.31	91.25	11.69
49.50	39.73	63.50	24.14	77.50	16.21	91.50	11.63
49.75	39.34	63.75	23.96	77.75	16.11	91.75	11.57
50.00	38.94	64.00	23.77	78.00	16.00	92.00	11.50
50.25	38.56	64.25	23.58	78.25	15.90	92.25	11.44
50.50	38.18	64.50	23.40	78.50	15.80	92.50	11.38
50.75	37.80	64.75	23.22	78.75	15.70	92.75	11.32
51.00	37.43	65.00	23.04	79.00	15.60	93.00	11.26
51.25	37.07	65.25	22.87	79.25	15.50	93.25	11.20
51.50	36.71	65.50	22.69	79.50	15.40	93.50	11.14
51.75	36.35	65.75	22.52	79.75	15.31	93.75	11.08
52.00	36.00	66.00	22.35	80.00	15.21	94.00	11.02
52.25	35.66	66.25	22.18	80.25	15.12	94.25	10.96
52.50	35.32	66.50	22.02	80.50	15.02	94.50	10.90
52.75	34.99	66.75	21.85	80.75	14.93	94.75	10.84
53.00	34.66	67.00	21.69	81.00	14.84	95.00	10.79
53.25	34.33	67.25	21.53	81.25	14.75	95.25	10.73
53.50	34.01	67.50	21.37	81.50	14.66	95.50	10.68
53.75	33.70	67.75	21.21	81.75	14.57	95.75	10.62
54.00	33.39	68.00	21.05	82.00	14.48	96.00	10.56

Table 8 – 60%

SMART Meter Power Density Computer Modeling

(8 SMART Meters – 2000% reflections)

Meters 8 Electric SMART Meters

Time Avg: 70% % Reflection 2000%

Distance where limits are exceeded			
FCC ft.	13.17	158.1	Inches
BioInitiative ft.	1065.00	12780.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	908689.70	10.25	1080.49	20.25	276.96	30.25	124.12
0.50	363475.88	10.50	1029.68	20.50	270.24	30.50	122.09
0.75	181737.94	10.75	982.37	20.75	263.77	30.75	120.12
1.00	106904.67	11.00	938.24	21.00	257.53	31.00	118.19
1.25	69899.21	11.25	897.03	21.25	251.51	31.25	116.30
1.50	49118.36	11.50	858.47	21.50	245.69	31.50	114.47
1.75	36347.59	11.75	822.34	21.75	240.08	31.75	112.67
2.00	27959.68	12.00	788.45	22.00	234.65	32.00	110.92
2.25	22163.16	12.25	756.61	22.25	229.41	32.25	109.20
2.50	17993.86	12.50	726.66	22.50	224.34	32.50	107.53
2.75	14896.55	12.75	698.45	22.75	219.44	32.75	105.90
3.00	12533.65	13.00	671.86	23.00	214.69	33.00	104.30
3.25	10690.47	13.25	646.75	23.25	210.10	33.25	102.73
3.50	9225.28	13.50	623.03	23.50	205.66	33.50	101.21
3.75	8041.50	13.75	600.59	23.75	201.35	33.75	99.71
4.00	7071.52	14.00	579.34	24.00	197.18	34.00	98.25
4.25	6266.83	14.25	559.19	24.25	193.13	34.25	96.82
4.50	5591.94	14.50	540.08	24.50	189.21	34.50	95.43
4.75	5020.39	14.75	521.94	24.75	185.41	34.75	94.06
5.00	4532.12	15.00	504.69	25.00	181.72	35.00	92.72
5.25	4111.72	15.25	488.28	25.25	178.14	35.25	91.41
5.50	3747.17	15.50	472.66	25.50	174.66	35.50	90.13
5.75	3429.02	15.75	457.78	25.75	171.29	35.75	88.87
6.00	3149.70	16.00	443.59	26.00	168.01	36.00	87.64
6.25	2903.16	16.25	430.05	26.25	164.83	36.25	86.43
6.50	2684.46	16.50	417.12	26.50	161.73	36.50	85.25
6.75	2489.56	16.75	404.76	26.75	158.72	36.75	84.10
7.00	2315.13	17.00	392.95	27.00	155.80	37.00	82.97
7.25	2158.41	17.25	381.64	27.25	152.95	37.25	81.86
7.50	2017.07	17.50	370.82	27.50	150.18	37.50	80.77
7.75	1889.17	17.75	360.45	27.75	147.49	37.75	79.70
8.00	1773.05	18.00	350.51	28.00	144.87	38.00	78.66
8.25	1667.32	18.25	340.97	28.25	142.32	38.25	77.63
8.50	1570.77	18.50	331.82	28.50	139.83	38.50	76.63
8.75	1482.36	18.75	323.03	28.75	137.41	38.75	75.64
9.00	1401.22	19.00	314.59	29.00	135.05	39.00	74.68
9.25	1326.55	19.25	306.47	29.25	132.75	39.25	73.73
9.50	1257.70	19.50	298.67	29.50	130.51	39.50	72.80
9.75	1194.07	19.75	291.15	29.75	128.33	39.75	71.88
10.00	1135.15	20.00	283.92	30.00	126.20	40.00	70.99

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 8 – 70%

SMART Meter Power Density Computer Modeling

(8 SMART Meters – 2000% reflections)

Meters 8 Electric SMART Meters
Time Avg: 70% % Reflection 2000%

Distance where limits are exceeded			
FCC ft. 13.17		158.06 Inches	
BioInitiative ft. 1065.00		12780.00 Inches	

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	70.11	54.25	38.59	68.25	24.38	82.25	16.79
40.50	69.25	54.50	38.24	68.50	24.21	82.50	16.69
40.75	68.40	54.75	37.89	68.75	24.03	82.75	16.59
41.00	67.57	55.00	37.55	69.00	23.86	83.00	16.49
41.25	66.75	55.25	37.21	69.25	23.69	83.25	16.39
41.50	65.95	55.50	36.87	69.50	23.52	83.50	16.29
41.75	65.16	55.75	36.54	69.75	23.35	83.75	16.19
42.00	64.39	56.00	36.22	70.00	23.18	84.00	16.10
42.25	63.63	56.25	35.90	70.25	23.02	84.25	16.00
42.50	62.88	56.50	35.58	70.50	22.85	84.50	15.91
42.75	62.15	56.75	35.27	70.75	22.69	84.75	15.81
43.00	61.43	57.00	34.96	71.00	22.53	85.00	15.72
43.25	60.72	57.25	34.66	71.25	22.37	85.25	15.63
43.50	60.03	57.50	34.35	71.50	22.22	85.50	15.54
43.75	59.34	57.75	34.06	71.75	22.06	85.75	15.45
44.00	58.67	58.00	33.76	72.00	21.91	86.00	15.36
44.25	58.01	58.25	33.48	72.25	21.76	86.25	15.27
44.50	57.36	58.50	33.19	72.50	21.61	86.50	15.18
44.75	56.72	58.75	32.91	72.75	21.46	86.75	15.09
45.00	56.09	59.00	32.63	73.00	21.31	87.00	15.01
45.25	55.47	59.25	32.35	73.25	21.17	87.25	14.92
45.50	54.86	59.50	32.08	73.50	21.03	87.50	14.84
45.75	54.27	59.75	31.82	73.75	20.88	87.75	14.75
46.00	53.68	60.00	31.55	74.00	20.74	88.00	14.67
46.25	53.10	60.25	31.29	74.25	20.60	88.25	14.58
46.50	52.53	60.50	31.03	74.50	20.46	88.50	14.50
46.75	51.97	60.75	30.78	74.75	20.33	88.75	14.42
47.00	51.42	61.00	30.53	75.00	20.19	89.00	14.34
47.25	50.88	61.25	30.28	75.25	20.06	89.25	14.26
47.50	50.34	61.50	30.03	75.50	19.93	89.50	14.18
47.75	49.82	61.75	29.79	75.75	19.80	89.75	14.10
48.00	49.30	62.00	29.55	76.00	19.66	90.00	14.02
48.25	48.79	62.25	29.31	76.25	19.54	90.25	13.95
48.50	48.29	62.50	29.08	76.50	19.41	90.50	13.87
48.75	47.79	62.75	28.85	76.75	19.28	90.75	13.79
49.00	47.31	63.00	28.62	77.00	19.16	91.00	13.72
49.25	46.83	63.25	28.39	77.25	19.03	91.25	13.64
49.50	46.36	63.50	28.17	77.50	18.91	91.50	13.57
49.75	45.89	63.75	27.95	77.75	18.79	91.75	13.49
50.00	45.43	64.00	27.73	78.00	18.67	92.00	13.42
50.25	44.98	64.25	27.52	78.25	18.55	92.25	13.35
50.50	44.54	64.50	27.30	78.50	18.43	92.50	13.28
50.75	44.10	64.75	27.09	78.75	18.32	92.75	13.20
51.00	43.67	65.00	26.88	79.00	18.20	93.00	13.13
51.25	43.24	65.25	26.68	79.25	18.09	93.25	13.06
51.50	42.83	65.50	26.48	79.50	17.97	93.50	12.99
51.75	42.41	65.75	26.27	79.75	17.86	93.75	12.92
52.00	42.01	66.00	26.08	80.00	17.75	94.00	12.85
52.25	41.60	66.25	25.88	80.25	17.64	94.25	12.79
52.50	41.21	66.50	25.68	80.50	17.53	94.50	12.72
52.75	40.82	66.75	25.49	80.75	17.42	94.75	12.65
53.00	40.44	67.00	25.30	81.00	17.31	95.00	12.59
53.25	40.06	67.25	25.12	81.25	17.21	95.25	12.52
53.50	39.68	67.50	24.93	81.50	17.10	95.50	12.45
53.75	39.32	67.75	24.75	81.75	17.00	95.75	12.39
54.00	38.95	68.00	24.56	82.00	16.89	96.00	12.32

Table 8 – 70%

SMART Meter Power Density Computer Modeling

(8 SMART Meters – 2000% reflections)

Meters 8 Electric SMART Meters

Time Avg: 80% % Reflection 2000%

Distance where limits are exceeded			
FCC ft.	14.08	169.0	Inches
BioInitiative ft.	1140.00	13680.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	1038502.51	10.25	1234.84	20.25	316.52	30.25	141.85
0.50	415401.00	10.50	1176.77	20.50	308.85	30.50	139.54
0.75	207700.50	10.75	1122.71	20.75	301.45	30.75	137.28
1.00	122176.77	11.00	1072.28	21.00	294.32	31.00	135.07
1.25	79884.81	11.25	1025.18	21.25	287.43	31.25	132.92
1.50	56135.27	11.50	981.11	21.50	280.79	31.50	130.82
1.75	41540.10	11.75	939.82	21.75	274.37	31.75	128.77
2.00	31953.92	12.00	901.09	22.00	268.17	32.00	126.76
2.25	25329.33	12.25	864.70	22.25	262.18	32.25	124.81
2.50	20564.41	12.50	830.47	22.50	256.39	32.50	122.89
2.75	17024.63	12.75	798.23	22.75	250.79	32.75	121.02
3.00	14324.17	13.00	767.84	23.00	245.36	33.00	119.20
3.25	12217.68	13.25	739.15	23.25	240.12	33.25	117.41
3.50	10543.17	13.50	712.03	23.50	235.04	33.50	115.67
3.75	9190.29	13.75	686.39	23.75	230.11	33.75	113.96
4.00	8081.73	14.00	662.10	24.00	225.35	34.00	112.29
4.25	7162.09	14.25	639.08	24.25	220.72	34.25	110.66
4.50	6390.78	14.50	617.24	24.50	216.24	34.50	109.06
4.75	5737.58	14.75	596.50	24.75	211.90	34.75	107.49
5.00	5179.56	15.00	576.79	25.00	207.68	35.00	105.96
5.25	4699.11	15.25	558.03	25.25	203.59	35.25	104.47
5.50	4282.48	15.50	540.18	25.50	199.62	35.50	103.00
5.75	3918.88	15.75	523.18	25.75	195.76	35.75	101.57
6.00	3599.66	16.00	506.96	26.00	192.01	36.00	100.16
6.25	3317.90	16.25	491.48	26.25	188.37	36.25	98.78
6.50	3067.95	16.50	476.71	26.50	184.84	36.50	97.43
6.75	2845.21	16.75	462.58	26.75	181.40	36.75	96.11
7.00	2645.87	17.00	449.08	27.00	178.05	37.00	94.82
7.25	2466.75	17.25	436.16	27.25	174.80	37.25	93.55
7.50	2305.22	17.50	423.79	27.50	171.64	37.50	92.31
7.75	2159.05	17.75	411.94	27.75	168.56	37.75	91.09
8.00	2026.35	18.00	400.58	28.00	165.56	38.00	89.89
8.25	1905.51	18.25	389.68	28.25	162.65	38.25	88.72
8.50	1795.16	18.50	379.22	28.50	159.81	38.50	87.57
8.75	1694.13	18.75	369.18	28.75	157.04	38.75	86.45
9.00	1601.39	19.00	359.53	29.00	154.34	39.00	85.34
9.25	1516.06	19.25	350.25	29.25	151.72	39.25	84.26
9.50	1437.37	19.50	341.33	29.50	149.16	39.50	83.20
9.75	1364.66	19.75	332.75	29.75	146.66	39.75	82.15
10.00	1297.32	20.00	324.48	30.00	144.23	40.00	81.13

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 8 – 80%

SMART Meter Power Density Computer Modeling

(8 SMART Meters – 2000% reflections)

Meters 8 Electric SMART Meters
Time Avg: 80% % Reflection 2000%

Distance where limits are exceeded			
FCC ft.	14.08	168.98	Inches
BioInitiative ft.	1140.00	13680.00	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	80.13	54.25	44.11	68.25	27.87	82.25	19.19
40.50	79.14	54.50	43.70	68.50	27.66	82.50	19.07
40.75	78.17	54.75	43.31	68.75	27.46	82.75	18.96
41.00	77.22	55.00	42.91	69.00	27.27	83.00	18.84
41.25	76.29	55.25	42.52	69.25	27.07	83.25	18.73
41.50	75.37	55.50	42.14	69.50	26.87	83.50	18.62
41.75	74.47	55.75	41.77	69.75	26.68	83.75	18.51
42.00	73.59	56.00	41.39	70.00	26.49	84.00	18.40
42.25	72.72	56.25	41.03	70.25	26.30	84.25	18.29
42.50	71.87	56.50	40.66	70.50	26.12	84.50	18.18
42.75	71.03	56.75	40.31	70.75	25.93	84.75	18.07
43.00	70.20	57.00	39.95	71.00	25.75	85.00	17.97
43.25	69.40	57.25	39.61	71.25	25.57	85.25	17.86
43.50	68.60	57.50	39.26	71.50	25.39	85.50	17.76
43.75	67.82	57.75	38.92	71.75	25.22	85.75	17.65
44.00	67.05	58.00	38.59	72.00	25.04	86.00	17.55
44.25	66.29	58.25	38.26	72.25	24.87	86.25	17.45
44.50	65.55	58.50	37.93	72.50	24.70	86.50	17.35
44.75	64.82	58.75	37.61	72.75	24.53	86.75	17.25
45.00	64.10	59.00	37.29	73.00	24.36	87.00	17.15
45.25	63.40	59.25	36.98	73.25	24.19	87.25	17.05
45.50	62.70	59.50	36.67	73.50	24.03	87.50	16.96
45.75	62.02	59.75	36.36	73.75	23.87	87.75	16.86
46.00	61.35	60.00	36.06	74.00	23.71	88.00	16.76
46.25	60.69	60.25	35.76	74.25	23.55	88.25	16.67
46.50	60.03	60.50	35.46	74.50	23.39	88.50	16.57
46.75	59.39	60.75	35.17	74.75	23.23	88.75	16.48
47.00	58.76	61.00	34.89	75.00	23.08	89.00	16.39
47.25	58.14	61.25	34.60	75.25	22.92	89.25	16.30
47.50	57.53	61.50	34.32	75.50	22.77	89.50	16.21
47.75	56.93	61.75	34.04	75.75	22.62	89.75	16.12
48.00	56.34	62.00	33.77	76.00	22.47	90.00	16.03
48.25	55.76	62.25	33.50	76.25	22.33	90.25	15.94
48.50	55.19	62.50	33.23	76.50	22.18	90.50	15.85
48.75	54.62	62.75	32.97	76.75	22.04	90.75	15.76
49.00	54.06	63.00	32.71	77.00	21.89	91.00	15.68
49.25	53.52	63.25	32.45	77.25	21.75	91.25	15.59
49.50	52.98	63.50	32.19	77.50	21.61	91.50	15.51
49.75	52.45	63.75	31.94	77.75	21.47	91.75	15.42
50.00	51.92	64.00	31.69	78.00	21.34	92.00	15.34
50.25	51.41	64.25	31.45	78.25	21.20	92.25	15.25
50.50	50.90	64.50	31.20	78.50	21.07	92.50	15.17
50.75	50.40	64.75	30.96	78.75	20.93	92.75	15.09
51.00	49.91	65.00	30.72	79.00	20.80	93.00	15.01
51.25	49.42	65.25	30.49	79.25	20.67	93.25	14.93
51.50	48.94	65.50	30.26	79.50	20.54	93.50	14.85
51.75	48.47	65.75	30.03	79.75	20.41	93.75	14.77
52.00	48.01	66.00	29.80	80.00	20.28	94.00	14.69
52.25	47.55	66.25	29.58	80.25	20.16	94.25	14.61
52.50	47.10	66.50	29.35	80.50	20.03	94.50	14.54
52.75	46.65	66.75	29.13	80.75	19.91	94.75	14.46
53.00	46.21	67.00	28.92	81.00	19.79	95.00	14.38
53.25	45.78	67.25	28.70	81.25	19.66	95.25	14.31
53.50	45.35	67.50	28.49	81.50	19.54	95.50	14.23
53.75	44.93	67.75	28.28	81.75	19.42	95.75	14.16
54.00	44.52	68.00	28.07	82.00	19.31	96.00	14.09

Table 8 – 80%

SMART Meter Power Density Computer Modeling

(8 SMART Meters – 2000% reflections)

Meters 8 Electric SMART Meters

Time Avg: 90% % Reflection 2000%

Distance where limits are exceeded			
FCC ft.	14.94	179.2	Inches
BioInitiative ft.	1210.00	14520.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	1168315.33	10.25	1389.20	20.25	356.09	30.25	159.58
0.50	467326.13	10.50	1323.87	20.50	347.45	30.50	156.98
0.75	233663.07	10.75	1263.04	20.75	339.13	30.75	154.44
1.00	137448.86	11.00	1206.31	21.00	331.11	31.00	151.96
1.25	89870.41	11.25	1153.32	21.25	323.36	31.25	149.53
1.50	63152.18	11.50	1103.75	21.50	315.89	31.50	147.17
1.75	46732.61	11.75	1057.30	21.75	308.67	31.75	144.86
2.00	35948.16	12.00	1013.72	22.00	301.70	32.00	142.61
2.25	28495.50	12.25	972.79	22.25	294.95	32.25	140.41
2.50	23134.96	12.50	934.28	22.50	288.44	32.50	138.25
2.75	19152.71	12.75	898.01	22.75	282.13	32.75	136.15
3.00	16114.69	13.00	863.82	23.00	276.03	33.00	134.10
3.25	13744.89	13.25	831.54	23.25	270.13	33.25	132.09
3.50	11861.07	13.50	801.04	23.50	264.41	33.50	130.12
3.75	10339.07	13.75	772.18	23.75	258.88	33.75	128.20
4.00	9091.95	14.00	744.86	24.00	253.51	34.00	126.32
4.25	8057.35	14.25	718.96	24.25	248.31	34.25	124.49
4.50	7189.63	14.50	694.39	24.50	243.27	34.50	122.69
4.75	6454.78	14.75	671.06	24.75	238.38	34.75	120.93
5.00	5827.01	15.00	648.88	25.00	233.64	35.00	119.21
5.25	5286.49	15.25	627.79	25.25	229.04	35.25	117.52
5.50	4817.80	15.50	607.71	25.50	224.57	35.50	115.88
5.75	4408.74	15.75	588.57	25.75	220.23	35.75	114.26
6.00	4049.62	16.00	570.33	26.00	216.01	36.00	112.68
6.25	3732.64	16.25	552.92	26.25	211.92	36.25	111.13
6.50	3451.45	16.50	536.29	26.50	207.94	36.50	109.61
6.75	3200.86	16.75	520.41	26.75	204.07	36.75	108.13
7.00	2976.60	17.00	505.22	27.00	200.31	37.00	106.67
7.25	2775.10	17.25	490.68	27.25	196.65	37.25	105.24
7.50	2593.37	17.50	476.77	27.50	193.09	37.50	103.85
7.75	2428.93	17.75	463.43	27.75	189.63	37.75	102.47
8.00	2279.64	18.00	450.65	28.00	186.26	38.00	101.13
8.25	2143.70	18.25	438.39	28.25	182.98	38.25	99.81
8.50	2019.56	18.50	426.63	28.50	179.78	38.50	98.52
8.75	1905.90	18.75	415.33	28.75	176.67	38.75	97.25
9.00	1801.57	19.00	404.47	29.00	173.64	39.00	96.01
9.25	1705.57	19.25	394.04	29.25	170.68	39.25	94.79
9.50	1617.05	19.50	384.00	29.50	167.80	39.50	93.60
9.75	1535.24	19.75	374.34	29.75	164.99	39.75	92.42
10.00	1459.48	20.00	365.04	30.00	162.25	40.00	91.27

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 8 – 90%

SMART Meter Power Density Computer Modeling

(8 SMART Meters – 2000% reflections)

Meters 8 Electric SMART Meters
Time Avg: 90% % Reflection 2000%

Distance where limits are exceeded			
FCC ft. 14.94		179.23 Inches	
BioInitiative ft. 1210.00		14520.00 Inches	

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	90.14	54.25	49.62	68.25	31.35	82.25	21.59
40.50	89.03	54.50	49.17	68.50	31.12	82.50	21.46
40.75	87.94	54.75	48.72	68.75	30.90	82.75	21.33
41.00	86.87	55.00	48.28	69.00	30.67	83.00	21.20
41.25	85.82	55.25	47.84	69.25	30.45	83.25	21.07
41.50	84.79	55.50	47.41	69.50	30.23	83.50	20.95
41.75	83.78	55.75	46.99	69.75	30.02	83.75	20.82
42.00	82.79	56.00	46.57	70.00	29.80	84.00	20.70
42.25	81.81	56.25	46.15	70.25	29.59	84.25	20.57
42.50	80.85	56.50	45.75	70.50	29.38	84.50	20.45
42.75	79.91	56.75	45.35	70.75	29.18	84.75	20.33
43.00	78.98	57.00	44.95	71.00	28.97	85.00	20.21
43.25	78.07	57.25	44.56	71.25	28.77	85.25	20.09
43.50	77.18	57.50	44.17	71.50	28.57	85.50	19.98
43.75	76.30	57.75	43.79	71.75	28.37	85.75	19.86
44.00	75.43	58.00	43.41	72.00	28.17	86.00	19.75
44.25	74.58	58.25	43.04	72.25	27.98	86.25	19.63
44.50	73.75	58.50	42.67	72.50	27.78	86.50	19.52
44.75	72.92	58.75	42.31	72.75	27.59	86.75	19.41
45.00	72.12	59.00	41.95	73.00	27.40	87.00	19.29
45.25	71.32	59.25	41.60	73.25	27.22	87.25	19.18
45.50	70.54	59.50	41.25	73.50	27.03	87.50	19.07
45.75	69.77	59.75	40.91	73.75	26.85	87.75	18.97
46.00	69.01	60.00	40.57	74.00	26.67	88.00	18.86
46.25	68.27	60.25	40.23	74.25	26.49	88.25	18.75
46.50	67.54	60.50	39.90	74.50	26.31	88.50	18.65
46.75	66.82	60.75	39.57	74.75	26.14	88.75	18.54
47.00	66.11	61.00	39.25	75.00	25.96	89.00	18.44
47.25	65.41	61.25	38.93	75.25	25.79	89.25	18.33
47.50	64.72	61.50	38.61	75.50	25.62	89.50	18.23
47.75	64.05	61.75	38.30	75.75	25.45	89.75	18.13
48.00	63.38	62.00	37.99	76.00	25.28	90.00	18.03
48.25	62.73	62.25	37.69	76.25	25.12	90.25	17.93
48.50	62.08	62.50	37.39	76.50	24.95	90.50	17.83
48.75	61.45	62.75	37.09	76.75	24.79	90.75	17.73
49.00	60.82	63.00	36.79	77.00	24.63	91.00	17.64
49.25	60.21	63.25	36.50	77.25	24.47	91.25	17.54
49.50	59.60	63.50	36.22	77.50	24.31	91.50	17.44
49.75	59.00	63.75	35.93	77.75	24.16	91.75	17.35
50.00	58.41	64.00	35.65	78.00	24.00	92.00	17.25
50.25	57.83	64.25	35.38	78.25	23.85	92.25	17.16
50.50	57.26	64.50	35.10	78.50	23.70	92.50	17.07
50.75	56.70	64.75	34.83	78.75	23.55	92.75	16.98
51.00	56.15	65.00	34.57	79.00	23.40	93.00	16.88
51.25	55.60	65.25	34.30	79.25	23.25	93.25	16.79
51.50	55.06	65.50	34.04	79.50	23.11	93.50	16.70
51.75	54.53	65.75	33.78	79.75	22.96	93.75	16.62
52.00	54.01	66.00	33.53	80.00	22.82	94.00	16.53
52.25	53.49	66.25	33.27	80.25	22.68	94.25	16.44
52.50	52.98	66.50	33.02	80.50	22.54	94.50	16.35
52.75	52.48	66.75	32.78	80.75	22.40	94.75	16.27
53.00	51.99	67.00	32.53	81.00	22.26	95.00	16.18
53.25	51.50	67.25	32.29	81.25	22.12	95.25	16.10
53.50	51.02	67.50	32.05	81.50	21.99	95.50	16.01
53.75	50.55	67.75	31.82	81.75	21.85	95.75	15.93
54.00	50.08	68.00	31.58	82.00	21.72	96.00	15.85

Table 8 – 90%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 60% reflections)

Meters 8 Electric SMART Meters

Time Avg: 1% % Reflection 60%

Distance where limits are exceeded		
FCC ft.	0.08	0.9 Inches
BioInitiative ft.	5.77	69.2 Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	53.04	10.25	0.03	20.25	0.01	30.25	0.00
0.50	13.26	10.50	0.03	20.50	0.01	30.50	0.00
0.75	5.89	10.75	0.03	20.75	0.01	30.75	0.00
1.00	3.32	11.00	0.03	21.00	0.01	31.00	0.00
1.25	2.12	11.25	0.03	21.25	0.01	31.25	0.00
1.50	1.47	11.50	0.03	21.50	0.01	31.50	0.00
1.75	1.08	11.75	0.02	21.75	0.01	31.75	0.00
2.00	0.83	12.00	0.02	22.00	0.01	32.00	0.00
2.25	0.65	12.25	0.02	22.25	0.01	32.25	0.00
2.50	0.53	12.50	0.02	22.50	0.01	32.50	0.00
2.75	0.44	12.75	0.02	22.75	0.01	32.75	0.00
3.00	0.37	13.00	0.02	23.00	0.01	33.00	0.00
3.25	0.31	13.25	0.02	23.25	0.01	33.25	0.00
3.50	0.27	13.50	0.02	23.50	0.01	33.50	0.00
3.75	0.24	13.75	0.02	23.75	0.01	33.75	0.00
4.00	0.21	14.00	0.02	24.00	0.01	34.00	0.00
4.25	0.18	14.25	0.02	24.25	0.01	34.25	0.00
4.50	0.16	14.50	0.02	24.50	0.01	34.50	0.00
4.75	0.15	14.75	0.02	24.75	0.01	34.75	0.00
5.00	0.13	15.00	0.01	25.00	0.01	35.00	0.00
5.25	0.12	15.25	0.01	25.25	0.01	35.25	0.00
5.50	0.11	15.50	0.01	25.50	0.01	35.50	0.00
5.75	0.10	15.75	0.01	25.75	0.00	35.75	0.00
6.00	0.09	16.00	0.01	26.00	0.00	36.00	0.00
6.25	0.08	16.25	0.01	26.25	0.00	36.25	0.00
6.50	0.08	16.50	0.01	26.50	0.00	36.50	0.00
6.75	0.07	16.75	0.01	26.75	0.00	36.75	0.00
7.00	0.07	17.00	0.01	27.00	0.00	37.00	0.00
7.25	0.06	17.25	0.01	27.25	0.00	37.25	0.00
7.50	0.06	17.50	0.01	27.50	0.00	37.50	0.00
7.75	0.06	17.75	0.01	27.75	0.00	37.75	0.00
8.00	0.05	18.00	0.01	28.00	0.00	38.00	0.00
8.25	0.05	18.25	0.01	28.25	0.00	38.25	0.00
8.50	0.05	18.50	0.01	28.50	0.00	38.50	0.00
8.75	0.04	18.75	0.01	28.75	0.00	38.75	0.00
9.00	0.04	19.00	0.01	29.00	0.00	39.00	0.00
9.25	0.04	19.25	0.01	29.25	0.00	39.25	0.00
9.50	0.04	19.50	0.01	29.50	0.00	39.50	0.00
9.75	0.03	19.75	0.01	29.75	0.00	39.75	0.00
10.00	0.03	20.00	0.01	30.00	0.00	40.00	0.00

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 9 – 1%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 60% reflections)

Meters 8 Electric SMART Meters

Time Avg: 1% % Reflection 60%

Distance where limits are exceeded		
FCC ft. 0.08	0.92 Inches	
BioInitiative ft. 5.77	69.24 Inches	

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.00	54.25	0.00	68.25	0.00	82.25	0.00
40.50	0.00	54.50	0.00	68.50	0.00	82.50	0.00
40.75	0.00	54.75	0.00	68.75	0.00	82.75	0.00
41.00	0.00	55.00	0.00	69.00	0.00	83.00	0.00
41.25	0.00	55.25	0.00	69.25	0.00	83.25	0.00
41.50	0.00	55.50	0.00	69.50	0.00	83.50	0.00
41.75	0.00	55.75	0.00	69.75	0.00	83.75	0.00
42.00	0.00	56.00	0.00	70.00	0.00	84.00	0.00
42.25	0.00	56.25	0.00	70.25	0.00	84.25	0.00
42.50	0.00	56.50	0.00	70.50	0.00	84.50	0.00
42.75	0.00	56.75	0.00	70.75	0.00	84.75	0.00
43.00	0.00	57.00	0.00	71.00	0.00	85.00	0.00
43.25	0.00	57.25	0.00	71.25	0.00	85.25	0.00
43.50	0.00	57.50	0.00	71.50	0.00	85.50	0.00
43.75	0.00	57.75	0.00	71.75	0.00	85.75	0.00
44.00	0.00	58.00	0.00	72.00	0.00	86.00	0.00
44.25	0.00	58.25	0.00	72.25	0.00	86.25	0.00
44.50	0.00	58.50	0.00	72.50	0.00	86.50	0.00
44.75	0.00	58.75	0.00	72.75	0.00	86.75	0.00
45.00	0.00	59.00	0.00	73.00	0.00	87.00	0.00
45.25	0.00	59.25	0.00	73.25	0.00	87.25	0.00
45.50	0.00	59.50	0.00	73.50	0.00	87.50	0.00
45.75	0.00	59.75	0.00	73.75	0.00	87.75	0.00
46.00	0.00	60.00	0.00	74.00	0.00	88.00	0.00
46.25	0.00	60.25	0.00	74.25	0.00	88.25	0.00
46.50	0.00	60.50	0.00	74.50	0.00	88.50	0.00
46.75	0.00	60.75	0.00	74.75	0.00	88.75	0.00
47.00	0.00	61.00	0.00	75.00	0.00	89.00	0.00
47.25	0.00	61.25	0.00	75.25	0.00	89.25	0.00
47.50	0.00	61.50	0.00	75.50	0.00	89.50	0.00
47.75	0.00	61.75	0.00	75.75	0.00	89.75	0.00
48.00	0.00	62.00	0.00	76.00	0.00	90.00	0.00
48.25	0.00	62.25	0.00	76.25	0.00	90.25	0.00
48.50	0.00	62.50	0.00	76.50	0.00	90.50	0.00
48.75	0.00	62.75	0.00	76.75	0.00	90.75	0.00
49.00	0.00	63.00	0.00	77.00	0.00	91.00	0.00
49.25	0.00	63.25	0.00	77.25	0.00	91.25	0.00
49.50	0.00	63.50	0.00	77.50	0.00	91.50	0.00
49.75	0.00	63.75	0.00	77.75	0.00	91.75	0.00
50.00	0.00	64.00	0.00	78.00	0.00	92.00	0.00
50.25	0.00	64.25	0.00	78.25	0.00	92.25	0.00
50.50	0.00	64.50	0.00	78.50	0.00	92.50	0.00
50.75	0.00	64.75	0.00	78.75	0.00	92.75	0.00
51.00	0.00	65.00	0.00	79.00	0.00	93.00	0.00
51.25	0.00	65.25	0.00	79.25	0.00	93.25	0.00
51.50	0.00	65.50	0.00	79.50	0.00	93.50	0.00
51.75	0.00	65.75	0.00	79.75	0.00	93.75	0.00
52.00	0.00	66.00	0.00	80.00	0.00	94.00	0.00
52.25	0.00	66.25	0.00	80.25	0.00	94.25	0.00
52.50	0.00	66.50	0.00	80.50	0.00	94.50	0.00
52.75	0.00	66.75	0.00	80.75	0.00	94.75	0.00
53.00	0.00	67.00	0.00	81.00	0.00	95.00	0.00
53.25	0.00	67.25	0.00	81.25	0.00	95.25	0.00
53.50	0.00	67.50	0.00	81.50	0.00	95.50	0.00
53.75	0.00	67.75	0.00	81.75	0.00	95.75	0.00
54.00	0.00	68.00	0.00	82.00	0.00	96.00	0.00

Table 9 – 1%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 60% reflections)

Meters 1 Collector Meter

Time Avg: 10% % Reflection 60%

Distance where limits are exceeded			
FCC ft.	0.24	2.9	Inches
BioInitiative ft.	18.20	218.4	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	530.41	10.25	0.32	20.25	0.08	30.25	0.04
0.50	132.60	10.50	0.30	20.50	0.08	30.50	0.04
0.75	58.93	10.75	0.29	20.75	0.08	30.75	0.04
1.00	33.15	11.00	0.27	21.00	0.08	31.00	0.03
1.25	21.22	11.25	0.26	21.25	0.07	31.25	0.03
1.50	14.73	11.50	0.25	21.50	0.07	31.50	0.03
1.75	10.82	11.75	0.24	21.75	0.07	31.75	0.03
2.00	8.29	12.00	0.23	22.00	0.07	32.00	0.03
2.25	6.55	12.25	0.22	22.25	0.07	32.25	0.03
2.50	5.30	12.50	0.21	22.50	0.07	32.50	0.03
2.75	4.38	12.75	0.20	22.75	0.06	32.75	0.03
3.00	3.68	13.00	0.20	23.00	0.06	33.00	0.03
3.25	3.14	13.25	0.19	23.25	0.06	33.25	0.03
3.50	2.71	13.50	0.18	23.50	0.06	33.50	0.03
3.75	2.36	13.75	0.18	23.75	0.06	33.75	0.03
4.00	2.07	14.00	0.17	24.00	0.06	34.00	0.03
4.25	1.84	14.25	0.16	24.25	0.06	34.25	0.03
4.50	1.64	14.50	0.16	24.50	0.06	34.50	0.03
4.75	1.47	14.75	0.15	24.75	0.05	34.75	0.03
5.00	1.33	15.00	0.15	25.00	0.05	35.00	0.03
5.25	1.20	15.25	0.14	25.25	0.05	35.25	0.03
5.50	1.10	15.50	0.14	25.50	0.05	35.50	0.03
5.75	1.00	15.75	0.13	25.75	0.05	35.75	0.03
6.00	0.92	16.00	0.13	26.00	0.05	36.00	0.03
6.25	0.85	16.25	0.13	26.25	0.05	36.25	0.03
6.50	0.78	16.50	0.12	26.50	0.05	36.50	0.02
6.75	0.73	16.75	0.12	26.75	0.05	36.75	0.02
7.00	0.68	17.00	0.11	27.00	0.05	37.00	0.02
7.25	0.63	17.25	0.11	27.25	0.04	37.25	0.02
7.50	0.59	17.50	0.11	27.50	0.04	37.50	0.02
7.75	0.55	17.75	0.11	27.75	0.04	37.75	0.02
8.00	0.52	18.00	0.10	28.00	0.04	38.00	0.02
8.25	0.49	18.25	0.10	28.25	0.04	38.25	0.02
8.50	0.46	18.50	0.10	28.50	0.04	38.50	0.02
8.75	0.43	18.75	0.09	28.75	0.04	38.75	0.02
9.00	0.41	19.00	0.09	29.00	0.04	39.00	0.02
9.25	0.39	19.25	0.09	29.25	0.04	39.25	0.02
9.50	0.37	19.50	0.09	29.50	0.04	39.50	0.02
9.75	0.35	19.75	0.08	29.75	0.04	39.75	0.02
10.00	0.33	20.00	0.08	30.00	0.04	40.00	0.02

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 9 – 10%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 60% reflections)

Meters 1 Collector Meter

Time Avg: 10% % Reflection 60%

Distance where limits are exceeded		
FCC ft. 0.24	2.92	Inches
BioInitiative ft. 18.20	218.40	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.02	54.25	0.01	68.25	0.01	82.25	0.00
40.50	0.02	54.50	0.01	68.50	0.01	82.50	0.00
40.75	0.02	54.75	0.01	68.75	0.01	82.75	0.00
41.00	0.02	55.00	0.01	69.00	0.01	83.00	0.00
41.25	0.02	55.25	0.01	69.25	0.01	83.25	0.00
41.50	0.02	55.50	0.01	69.50	0.01	83.50	0.00
41.75	0.02	55.75	0.01	69.75	0.01	83.75	0.00
42.00	0.02	56.00	0.01	70.00	0.01	84.00	0.00
42.25	0.02	56.25	0.01	70.25	0.01	84.25	0.00
42.50	0.02	56.50	0.01	70.50	0.01	84.50	0.00
42.75	0.02	56.75	0.01	70.75	0.01	84.75	0.00
43.00	0.02	57.00	0.01	71.00	0.01	85.00	0.00
43.25	0.02	57.25	0.01	71.25	0.01	85.25	0.00
43.50	0.02	57.50	0.01	71.50	0.01	85.50	0.00
43.75	0.02	57.75	0.01	71.75	0.01	85.75	0.00
44.00	0.02	58.00	0.01	72.00	0.01	86.00	0.00
44.25	0.02	58.25	0.01	72.25	0.01	86.25	0.00
44.50	0.02	58.50	0.01	72.50	0.01	86.50	0.00
44.75	0.02	58.75	0.01	72.75	0.01	86.75	0.00
45.00	0.02	59.00	0.01	73.00	0.01	87.00	0.00
45.25	0.02	59.25	0.01	73.25	0.01	87.25	0.00
45.50	0.02	59.50	0.01	73.50	0.01	87.50	0.00
45.75	0.02	59.75	0.01	73.75	0.01	87.75	0.00
46.00	0.02	60.00	0.01	74.00	0.01	88.00	0.00
46.25	0.02	60.25	0.01	74.25	0.01	88.25	0.00
46.50	0.02	60.50	0.01	74.50	0.01	88.50	0.00
46.75	0.02	60.75	0.01	74.75	0.01	88.75	0.00
47.00	0.02	61.00	0.01	75.00	0.01	89.00	0.00
47.25	0.01	61.25	0.01	75.25	0.01	89.25	0.00
47.50	0.01	61.50	0.01	75.50	0.01	89.50	0.00
47.75	0.01	61.75	0.01	75.75	0.01	89.75	0.00
48.00	0.01	62.00	0.01	76.00	0.01	90.00	0.00
48.25	0.01	62.25	0.01	76.25	0.01	90.25	0.00
48.50	0.01	62.50	0.01	76.50	0.01	90.50	0.00
48.75	0.01	62.75	0.01	76.75	0.01	90.75	0.00
49.00	0.01	63.00	0.01	77.00	0.01	91.00	0.00
49.25	0.01	63.25	0.01	77.25	0.01	91.25	0.00
49.50	0.01	63.50	0.01	77.50	0.01	91.50	0.00
49.75	0.01	63.75	0.01	77.75	0.01	91.75	0.00
50.00	0.01	64.00	0.01	78.00	0.01	92.00	0.00
50.25	0.01	64.25	0.01	78.25	0.01	92.25	0.00
50.50	0.01	64.50	0.01	78.50	0.01	92.50	0.00
50.75	0.01	64.75	0.01	78.75	0.01	92.75	0.00
51.00	0.01	65.00	0.01	79.00	0.01	93.00	0.00
51.25	0.01	65.25	0.01	79.25	0.01	93.25	0.00
51.50	0.01	65.50	0.01	79.50	0.01	93.50	0.00
51.75	0.01	65.75	0.01	79.75	0.01	93.75	0.00
52.00	0.01	66.00	0.01	80.00	0.01	94.00	0.00
52.25	0.01	66.25	0.01	80.25	0.01	94.25	0.00
52.50	0.01	66.50	0.01	80.50	0.01	94.50	0.00
52.75	0.01	66.75	0.01	80.75	0.01	94.75	0.00
53.00	0.01	67.00	0.01	81.00	0.01	95.00	0.00
53.25	0.01	67.25	0.01	81.25	0.01	95.25	0.00
53.50	0.01	67.50	0.01	81.50	0.00	95.50	0.00
53.75	0.01	67.75	0.01	81.75	0.00	95.75	0.00
54.00	0.01	68.00	0.01	82.00	0.00	96.00	0.00

Table 9 – 10%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 60% reflections)

Meters 1 Collector Meter

Time Avg: 20% % Reflection 60%

Distance where limits are exceeded			
FCC ft.	0.34	4.1	Inches
BioInitiative ft.	25.70	308.4	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	1060.82	10.25	0.63	20.25	0.16	30.25	0.07
0.50	265.21	10.50	0.60	20.50	0.16	30.50	0.07
0.75	117.87	10.75	0.57	20.75	0.15	30.75	0.07
1.00	66.30	11.00	0.55	21.00	0.15	31.00	0.07
1.25	42.43	11.25	0.52	21.25	0.15	31.25	0.07
1.50	29.47	11.50	0.50	21.50	0.14	31.50	0.07
1.75	21.65	11.75	0.48	21.75	0.14	31.75	0.07
2.00	16.58	12.00	0.46	22.00	0.14	32.00	0.06
2.25	13.10	12.25	0.44	22.25	0.13	32.25	0.06
2.50	10.61	12.50	0.42	22.50	0.13	32.50	0.06
2.75	8.77	12.75	0.41	22.75	0.13	32.75	0.06
3.00	7.37	13.00	0.39	23.00	0.13	33.00	0.06
3.25	6.28	13.25	0.38	23.25	0.12	33.25	0.06
3.50	5.41	13.50	0.36	23.50	0.12	33.50	0.06
3.75	4.71	13.75	0.35	23.75	0.12	33.75	0.06
4.00	4.14	14.00	0.34	24.00	0.12	34.00	0.06
4.25	3.67	14.25	0.33	24.25	0.11	34.25	0.06
4.50	3.27	14.50	0.32	24.50	0.11	34.50	0.06
4.75	2.94	14.75	0.30	24.75	0.11	34.75	0.05
5.00	2.65	15.00	0.29	25.00	0.11	35.00	0.05
5.25	2.41	15.25	0.29	25.25	0.10	35.25	0.05
5.50	2.19	15.50	0.28	25.50	0.10	35.50	0.05
5.75	2.01	15.75	0.27	25.75	0.10	35.75	0.05
6.00	1.84	16.00	0.26	26.00	0.10	36.00	0.05
6.25	1.70	16.25	0.25	26.25	0.10	36.25	0.05
6.50	1.57	16.50	0.24	26.50	0.09	36.50	0.05
6.75	1.46	16.75	0.24	26.75	0.09	36.75	0.05
7.00	1.35	17.00	0.23	27.00	0.09	37.00	0.05
7.25	1.26	17.25	0.22	27.25	0.09	37.25	0.05
7.50	1.18	17.50	0.22	27.50	0.09	37.50	0.05
7.75	1.10	17.75	0.21	27.75	0.09	37.75	0.05
8.00	1.04	18.00	0.20	28.00	0.08	38.00	0.05
8.25	0.97	18.25	0.20	28.25	0.08	38.25	0.05
8.50	0.92	18.50	0.19	28.50	0.08	38.50	0.04
8.75	0.87	18.75	0.19	28.75	0.08	38.75	0.04
9.00	0.82	19.00	0.18	29.00	0.08	39.00	0.04
9.25	0.77	19.25	0.18	29.25	0.08	39.25	0.04
9.50	0.73	19.50	0.17	29.50	0.08	39.50	0.04
9.75	0.70	19.75	0.17	29.75	0.07	39.75	0.04
10.00	0.66	20.00	0.17	30.00	0.07	40.00	0.04

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 9 – 20%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 60% reflections)

Meters 1 Collector Meter

Time Avg: 20% % Reflection 60%

Distance where limits are exceeded			
FCC ft.	0.34	4.13	Inches
BioInitiative ft.	25.70	308.40	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.04	54.25	0.02	68.25	0.01	82.25	0.01
40.50	0.04	54.50	0.02	68.50	0.01	82.50	0.01
40.75	0.04	54.75	0.02	68.75	0.01	82.75	0.01
41.00	0.04	55.00	0.02	69.00	0.01	83.00	0.01
41.25	0.04	55.25	0.02	69.25	0.01	83.25	0.01
41.50	0.04	55.50	0.02	69.50	0.01	83.50	0.01
41.75	0.04	55.75	0.02	69.75	0.01	83.75	0.01
42.00	0.04	56.00	0.02	70.00	0.01	84.00	0.01
42.25	0.04	56.25	0.02	70.25	0.01	84.25	0.01
42.50	0.04	56.50	0.02	70.50	0.01	84.50	0.01
42.75	0.04	56.75	0.02	70.75	0.01	84.75	0.01
43.00	0.04	57.00	0.02	71.00	0.01	85.00	0.01
43.25	0.04	57.25	0.02	71.25	0.01	85.25	0.01
43.50	0.04	57.50	0.02	71.50	0.01	85.50	0.01
43.75	0.03	57.75	0.02	71.75	0.01	85.75	0.01
44.00	0.03	58.00	0.02	72.00	0.01	86.00	0.01
44.25	0.03	58.25	0.02	72.25	0.01	86.25	0.01
44.50	0.03	58.50	0.02	72.50	0.01	86.50	0.01
44.75	0.03	58.75	0.02	72.75	0.01	86.75	0.01
45.00	0.03	59.00	0.02	73.00	0.01	87.00	0.01
45.25	0.03	59.25	0.02	73.25	0.01	87.25	0.01
45.50	0.03	59.50	0.02	73.50	0.01	87.50	0.01
45.75	0.03	59.75	0.02	73.75	0.01	87.75	0.01
46.00	0.03	60.00	0.02	74.00	0.01	88.00	0.01
46.25	0.03	60.25	0.02	74.25	0.01	88.25	0.01
46.50	0.03	60.50	0.02	74.50	0.01	88.50	0.01
46.75	0.03	60.75	0.02	74.75	0.01	88.75	0.01
47.00	0.03	61.00	0.02	75.00	0.01	89.00	0.01
47.25	0.03	61.25	0.02	75.25	0.01	89.25	0.01
47.50	0.03	61.50	0.02	75.50	0.01	89.50	0.01
47.75	0.03	61.75	0.02	75.75	0.01	89.75	0.01
48.00	0.03	62.00	0.02	76.00	0.01	90.00	0.01
48.25	0.03	62.25	0.02	76.25	0.01	90.25	0.01
48.50	0.03	62.50	0.02	76.50	0.01	90.50	0.01
48.75	0.03	62.75	0.02	76.75	0.01	90.75	0.01
49.00	0.03	63.00	0.02	77.00	0.01	91.00	0.01
49.25	0.03	63.25	0.02	77.25	0.01	91.25	0.01
49.50	0.03	63.50	0.02	77.50	0.01	91.50	0.01
49.75	0.03	63.75	0.02	77.75	0.01	91.75	0.01
50.00	0.03	64.00	0.02	78.00	0.01	92.00	0.01
50.25	0.03	64.25	0.02	78.25	0.01	92.25	0.01
50.50	0.03	64.50	0.02	78.50	0.01	92.50	0.01
50.75	0.03	64.75	0.02	78.75	0.01	92.75	0.01
51.00	0.03	65.00	0.02	79.00	0.01	93.00	0.01
51.25	0.03	65.25	0.02	79.25	0.01	93.25	0.01
51.50	0.02	65.50	0.02	79.50	0.01	93.50	0.01
51.75	0.02	65.75	0.02	79.75	0.01	93.75	0.01
52.00	0.02	66.00	0.02	80.00	0.01	94.00	0.01
52.25	0.02	66.25	0.02	80.25	0.01	94.25	0.01
52.50	0.02	66.50	0.01	80.50	0.01	94.50	0.01
52.75	0.02	66.75	0.01	80.75	0.01	94.75	0.01
53.00	0.02	67.00	0.01	81.00	0.01	95.00	0.01
53.25	0.02	67.25	0.01	81.25	0.01	95.25	0.01
53.50	0.02	67.50	0.01	81.50	0.01	95.50	0.01
53.75	0.02	67.75	0.01	81.75	0.01	95.75	0.01
54.00	0.02	68.00	0.01	82.00	0.01	96.00	0.01

Table 9 – 20%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 60% reflections)

Meters 1 Collector Meter

Time Avg: 30% % Reflection 60%

Distance where limits are exceeded			
FCC ft.	0.42	5.1	Inches
BioInitiative ft.	31.50	378.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	1591.23	10.25	0.95	20.25	0.24	30.25	0.11
0.50	397.81	10.50	0.90	20.50	0.24	30.50	0.11
0.75	176.80	10.75	0.86	20.75	0.23	30.75	0.11
1.00	99.45	11.00	0.82	21.00	0.23	31.00	0.10
1.25	63.65	11.25	0.79	21.25	0.22	31.25	0.10
1.50	44.20	11.50	0.75	21.50	0.22	31.50	0.10
1.75	32.47	11.75	0.72	21.75	0.21	31.75	0.10
2.00	24.86	12.00	0.69	22.00	0.21	32.00	0.10
2.25	19.64	12.25	0.66	22.25	0.20	32.25	0.10
2.50	15.91	12.50	0.64	22.50	0.20	32.50	0.09
2.75	13.15	12.75	0.61	22.75	0.19	32.75	0.09
3.00	11.05	13.00	0.59	23.00	0.19	33.00	0.09
3.25	9.42	13.25	0.57	23.25	0.18	33.25	0.09
3.50	8.12	13.50	0.55	23.50	0.18	33.50	0.09
3.75	7.07	13.75	0.53	23.75	0.18	33.75	0.09
4.00	6.22	14.00	0.51	24.00	0.17	34.00	0.09
4.25	5.51	14.25	0.49	24.25	0.17	34.25	0.08
4.50	4.91	14.50	0.47	24.50	0.17	34.50	0.08
4.75	4.41	14.75	0.46	24.75	0.16	34.75	0.08
5.00	3.98	15.00	0.44	25.00	0.16	35.00	0.08
5.25	3.61	15.25	0.43	25.25	0.16	35.25	0.08
5.50	3.29	15.50	0.41	25.50	0.15	35.50	0.08
5.75	3.01	15.75	0.40	25.75	0.15	35.75	0.08
6.00	2.76	16.00	0.39	26.00	0.15	36.00	0.08
6.25	2.55	16.25	0.38	26.25	0.14	36.25	0.08
6.50	2.35	16.50	0.37	26.50	0.14	36.50	0.07
6.75	2.18	16.75	0.35	26.75	0.14	36.75	0.07
7.00	2.03	17.00	0.34	27.00	0.14	37.00	0.07
7.25	1.89	17.25	0.33	27.25	0.13	37.25	0.07
7.50	1.77	17.50	0.32	27.50	0.13	37.50	0.07
7.75	1.66	17.75	0.32	27.75	0.13	37.75	0.07
8.00	1.55	18.00	0.31	28.00	0.13	38.00	0.07
8.25	1.46	18.25	0.30	28.25	0.12	38.25	0.07
8.50	1.38	18.50	0.29	28.50	0.12	38.50	0.07
8.75	1.30	18.75	0.28	28.75	0.12	38.75	0.07
9.00	1.23	19.00	0.28	29.00	0.12	39.00	0.07
9.25	1.16	19.25	0.27	29.25	0.12	39.25	0.06
9.50	1.10	19.50	0.26	29.50	0.11	39.50	0.06
9.75	1.05	19.75	0.25	29.75	0.11	39.75	0.06
10.00	0.99	20.00	0.25	30.00	0.11	40.00	0.06

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 9 – 30%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 60% reflections)

Meters 1 Collector Meter

Time Avg: 30% % Reflection 60%

Distance where limits are exceeded			
FCC ft. 0.42		5.05 Inches	
BioInitiative ft. 31.50		378.00 Inches	

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.06	54.25	0.03	68.25	0.02	82.25	0.01
40.50	0.06	54.50	0.03	68.50	0.02	82.50	0.01
40.75	0.06	54.75	0.03	68.75	0.02	82.75	0.01
41.00	0.06	55.00	0.03	69.00	0.02	83.00	0.01
41.25	0.06	55.25	0.03	69.25	0.02	83.25	0.01
41.50	0.06	55.50	0.03	69.50	0.02	83.50	0.01
41.75	0.06	55.75	0.03	69.75	0.02	83.75	0.01
42.00	0.06	56.00	0.03	70.00	0.02	84.00	0.01
42.25	0.06	56.25	0.03	70.25	0.02	84.25	0.01
42.50	0.06	56.50	0.03	70.50	0.02	84.50	0.01
42.75	0.05	56.75	0.03	70.75	0.02	84.75	0.01
43.00	0.05	57.00	0.03	71.00	0.02	85.00	0.01
43.25	0.05	57.25	0.03	71.25	0.02	85.25	0.01
43.50	0.05	57.50	0.03	71.50	0.02	85.50	0.01
43.75	0.05	57.75	0.03	71.75	0.02	85.75	0.01
44.00	0.05	58.00	0.03	72.00	0.02	86.00	0.01
44.25	0.05	58.25	0.03	72.25	0.02	86.25	0.01
44.50	0.05	58.50	0.03	72.50	0.02	86.50	0.01
44.75	0.05	58.75	0.03	72.75	0.02	86.75	0.01
45.00	0.05	59.00	0.03	73.00	0.02	87.00	0.01
45.25	0.05	59.25	0.03	73.25	0.02	87.25	0.01
45.50	0.05	59.50	0.03	73.50	0.02	87.50	0.01
45.75	0.05	59.75	0.03	73.75	0.02	87.75	0.01
46.00	0.05	60.00	0.03	74.00	0.02	88.00	0.01
46.25	0.05	60.25	0.03	74.25	0.02	88.25	0.01
46.50	0.05	60.50	0.03	74.50	0.02	88.50	0.01
46.75	0.05	60.75	0.03	74.75	0.02	88.75	0.01
47.00	0.05	61.00	0.03	75.00	0.02	89.00	0.01
47.25	0.04	61.25	0.03	75.25	0.02	89.25	0.01
47.50	0.04	61.50	0.03	75.50	0.02	89.50	0.01
47.75	0.04	61.75	0.03	75.75	0.02	89.75	0.01
48.00	0.04	62.00	0.03	76.00	0.02	90.00	0.01
48.25	0.04	62.25	0.03	76.25	0.02	90.25	0.01
48.50	0.04	62.50	0.03	76.50	0.02	90.50	0.01
48.75	0.04	62.75	0.03	76.75	0.02	90.75	0.01
49.00	0.04	63.00	0.03	77.00	0.02	91.00	0.01
49.25	0.04	63.25	0.02	77.25	0.02	91.25	0.01
49.50	0.04	63.50	0.02	77.50	0.02	91.50	0.01
49.75	0.04	63.75	0.02	77.75	0.02	91.75	0.01
50.00	0.04	64.00	0.02	78.00	0.02	92.00	0.01
50.25	0.04	64.25	0.02	78.25	0.02	92.25	0.01
50.50	0.04	64.50	0.02	78.50	0.02	92.50	0.01
50.75	0.04	64.75	0.02	78.75	0.02	92.75	0.01
51.00	0.04	65.00	0.02	79.00	0.02	93.00	0.01
51.25	0.04	65.25	0.02	79.25	0.02	93.25	0.01
51.50	0.04	65.50	0.02	79.50	0.02	93.50	0.01
51.75	0.04	65.75	0.02	79.75	0.02	93.75	0.01
52.00	0.04	66.00	0.02	80.00	0.02	94.00	0.01
52.25	0.04	66.25	0.02	80.25	0.02	94.25	0.01
52.50	0.04	66.50	0.02	80.50	0.02	94.50	0.01
52.75	0.04	66.75	0.02	80.75	0.02	94.75	0.01
53.00	0.04	67.00	0.02	81.00	0.02	95.00	0.01
53.25	0.04	67.25	0.02	81.25	0.02	95.25	0.01
53.50	0.03	67.50	0.02	81.50	0.01	95.50	0.01
53.75	0.03	67.75	0.02	81.75	0.01	95.75	0.01
54.00	0.03	68.00	0.02	82.00	0.01	96.00	0.01

Table 9 – 30%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 60% reflections)

Meters 1 Collector Meter

Time Avg: 40% % Reflection 60%

Distance where limits are exceeded			
FCC ft.	0.49	5.8	Inches
BioInitiative ft.	36.50	438.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	2121.64	10.25	1.26	20.25	0.32	30.25	0.14
0.50	530.41	10.50	1.20	20.50	0.32	30.50	0.14
0.75	235.74	10.75	1.15	20.75	0.31	30.75	0.14
1.00	132.60	11.00	1.10	21.00	0.30	31.00	0.14
1.25	84.87	11.25	1.05	21.25	0.29	31.25	0.14
1.50	58.93	11.50	1.00	21.50	0.29	31.50	0.13
1.75	43.30	11.75	0.96	21.75	0.28	31.75	0.13
2.00	33.15	12.00	0.92	22.00	0.27	32.00	0.13
2.25	26.19	12.25	0.88	22.25	0.27	32.25	0.13
2.50	21.22	12.50	0.85	22.50	0.26	32.50	0.13
2.75	17.53	12.75	0.82	22.75	0.26	32.75	0.12
3.00	14.73	13.00	0.78	23.00	0.25	33.00	0.12
3.25	12.55	13.25	0.76	23.25	0.25	33.25	0.12
3.50	10.82	13.50	0.73	23.50	0.24	33.50	0.12
3.75	9.43	13.75	0.70	23.75	0.24	33.75	0.12
4.00	8.29	14.00	0.68	24.00	0.23	34.00	0.11
4.25	7.34	14.25	0.65	24.25	0.23	34.25	0.11
4.50	6.55	14.50	0.63	24.50	0.22	34.50	0.11
4.75	5.88	14.75	0.61	24.75	0.22	34.75	0.11
5.00	5.30	15.00	0.59	25.00	0.21	35.00	0.11
5.25	4.81	15.25	0.57	25.25	0.21	35.25	0.11
5.50	4.38	15.50	0.55	25.50	0.20	35.50	0.11
5.75	4.01	15.75	0.53	25.75	0.20	35.75	0.10
6.00	3.68	16.00	0.52	26.00	0.20	36.00	0.10
6.25	3.39	16.25	0.50	26.25	0.19	36.25	0.10
6.50	3.14	16.50	0.49	26.50	0.19	36.50	0.10
6.75	2.91	16.75	0.47	26.75	0.19	36.75	0.10
7.00	2.71	17.00	0.46	27.00	0.18	37.00	0.10
7.25	2.52	17.25	0.45	27.25	0.18	37.25	0.10
7.50	2.36	17.50	0.43	27.50	0.18	37.50	0.09
7.75	2.21	17.75	0.42	27.75	0.17	37.75	0.09
8.00	2.07	18.00	0.41	28.00	0.17	38.00	0.09
8.25	1.95	18.25	0.40	28.25	0.17	38.25	0.09
8.50	1.84	18.50	0.39	28.50	0.16	38.50	0.09
8.75	1.73	18.75	0.38	28.75	0.16	38.75	0.09
9.00	1.64	19.00	0.37	29.00	0.16	39.00	0.09
9.25	1.55	19.25	0.36	29.25	0.15	39.25	0.09
9.50	1.47	19.50	0.35	29.50	0.15	39.50	0.08
9.75	1.39	19.75	0.34	29.75	0.15	39.75	0.08
10.00	1.33	20.00	0.33	30.00	0.15	40.00	0.08

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 9 – 40%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 60% reflections)

Meters 1 Collector Meter

Time Avg: 40% % Reflection 60%

Distance where limits are exceeded			
FCC ft.	0.49	5.84	Inches
BioInitiative ft.	36.50	438.00	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.08	54.25	0.05	68.25	0.03	82.25	0.02
40.50	0.08	54.50	0.04	68.50	0.03	82.50	0.02
40.75	0.08	54.75	0.04	68.75	0.03	82.75	0.02
41.00	0.08	55.00	0.04	69.00	0.03	83.00	0.02
41.25	0.08	55.25	0.04	69.25	0.03	83.25	0.02
41.50	0.08	55.50	0.04	69.50	0.03	83.50	0.02
41.75	0.08	55.75	0.04	69.75	0.03	83.75	0.02
42.00	0.08	56.00	0.04	70.00	0.03	84.00	0.02
42.25	0.07	56.25	0.04	70.25	0.03	84.25	0.02
42.50	0.07	56.50	0.04	70.50	0.03	84.50	0.02
42.75	0.07	56.75	0.04	70.75	0.03	84.75	0.02
43.00	0.07	57.00	0.04	71.00	0.03	85.00	0.02
43.25	0.07	57.25	0.04	71.25	0.03	85.25	0.02
43.50	0.07	57.50	0.04	71.50	0.03	85.50	0.02
43.75	0.07	57.75	0.04	71.75	0.03	85.75	0.02
44.00	0.07	58.00	0.04	72.00	0.03	86.00	0.02
44.25	0.07	58.25	0.04	72.25	0.03	86.25	0.02
44.50	0.07	58.50	0.04	72.50	0.03	86.50	0.02
44.75	0.07	58.75	0.04	72.75	0.03	86.75	0.02
45.00	0.07	59.00	0.04	73.00	0.02	87.00	0.02
45.25	0.06	59.25	0.04	73.25	0.02	87.25	0.02
45.50	0.06	59.50	0.04	73.50	0.02	87.50	0.02
45.75	0.06	59.75	0.04	73.75	0.02	87.75	0.02
46.00	0.06	60.00	0.04	74.00	0.02	88.00	0.02
46.25	0.06	60.25	0.04	74.25	0.02	88.25	0.02
46.50	0.06	60.50	0.04	74.50	0.02	88.50	0.02
46.75	0.06	60.75	0.04	74.75	0.02	88.75	0.02
47.00	0.06	61.00	0.04	75.00	0.02	89.00	0.02
47.25	0.06	61.25	0.04	75.25	0.02	89.25	0.02
47.50	0.06	61.50	0.04	75.50	0.02	89.50	0.02
47.75	0.06	61.75	0.03	75.75	0.02	89.75	0.02
48.00	0.06	62.00	0.03	76.00	0.02	90.00	0.02
48.25	0.06	62.25	0.03	76.25	0.02	90.25	0.02
48.50	0.06	62.50	0.03	76.50	0.02	90.50	0.02
48.75	0.06	62.75	0.03	76.75	0.02	90.75	0.02
49.00	0.06	63.00	0.03	77.00	0.02	91.00	0.02
49.25	0.05	63.25	0.03	77.25	0.02	91.25	0.02
49.50	0.05	63.50	0.03	77.50	0.02	91.50	0.02
49.75	0.05	63.75	0.03	77.75	0.02	91.75	0.02
50.00	0.05	64.00	0.03	78.00	0.02	92.00	0.02
50.25	0.05	64.25	0.03	78.25	0.02	92.25	0.02
50.50	0.05	64.50	0.03	78.50	0.02	92.50	0.02
50.75	0.05	64.75	0.03	78.75	0.02	92.75	0.02
51.00	0.05	65.00	0.03	79.00	0.02	93.00	0.02
51.25	0.05	65.25	0.03	79.25	0.02	93.25	0.02
51.50	0.05	65.50	0.03	79.50	0.02	93.50	0.02
51.75	0.05	65.75	0.03	79.75	0.02	93.75	0.02
52.00	0.05	66.00	0.03	80.00	0.02	94.00	0.02
52.25	0.05	66.25	0.03	80.25	0.02	94.25	0.01
52.50	0.05	66.50	0.03	80.50	0.02	94.50	0.01
52.75	0.05	66.75	0.03	80.75	0.02	94.75	0.01
53.00	0.05	67.00	0.03	81.00	0.02	95.00	0.01
53.25	0.05	67.25	0.03	81.25	0.02	95.25	0.01
53.50	0.05	67.50	0.03	81.50	0.02	95.50	0.01
53.75	0.05	67.75	0.03	81.75	0.02	95.75	0.01
54.00	0.05	68.00	0.03	82.00	0.02	96.00	0.01

Table 9 – 40%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 60% reflections)

Meters 1 Collector Meter

Time Avg: 50% % Reflection 60%

Distance where limits are exceeded			
FCC ft.	0.54	6.5	Inches
BioInitiative ft.	40.70	488.4	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	2652.05	10.25	1.58	20.25	0.40	30.25	0.18
0.50	663.01	10.50	1.50	20.50	0.39	30.50	0.18
0.75	294.67	10.75	1.43	20.75	0.38	30.75	0.18
1.00	165.75	11.00	1.37	21.00	0.38	31.00	0.17
1.25	106.08	11.25	1.31	21.25	0.37	31.25	0.17
1.50	73.67	11.50	1.25	21.50	0.36	31.50	0.17
1.75	54.12	11.75	1.20	21.75	0.35	31.75	0.16
2.00	41.44	12.00	1.15	22.00	0.34	32.00	0.16
2.25	32.74	12.25	1.10	22.25	0.33	32.25	0.16
2.50	26.52	12.50	1.06	22.50	0.33	32.50	0.16
2.75	21.92	12.75	1.02	22.75	0.32	32.75	0.15
3.00	18.42	13.00	0.98	23.00	0.31	33.00	0.15
3.25	15.69	13.25	0.94	23.25	0.31	33.25	0.15
3.50	13.53	13.50	0.91	23.50	0.30	33.50	0.15
3.75	11.79	13.75	0.88	23.75	0.29	33.75	0.15
4.00	10.36	14.00	0.85	24.00	0.29	34.00	0.14
4.25	9.18	14.25	0.82	24.25	0.28	34.25	0.14
4.50	8.19	14.50	0.79	24.50	0.28	34.50	0.14
4.75	7.35	14.75	0.76	24.75	0.27	34.75	0.14
5.00	6.63	15.00	0.74	25.00	0.27	35.00	0.14
5.25	6.01	15.25	0.71	25.25	0.26	35.25	0.13
5.50	5.48	15.50	0.69	25.50	0.25	35.50	0.13
5.75	5.01	15.75	0.67	25.75	0.25	35.75	0.13
6.00	4.60	16.00	0.65	26.00	0.25	36.00	0.13
6.25	4.24	16.25	0.63	26.25	0.24	36.25	0.13
6.50	3.92	16.50	0.61	26.50	0.24	36.50	0.12
6.75	3.64	16.75	0.59	26.75	0.23	36.75	0.12
7.00	3.38	17.00	0.57	27.00	0.23	37.00	0.12
7.25	3.15	17.25	0.56	27.25	0.22	37.25	0.12
7.50	2.95	17.50	0.54	27.50	0.22	37.50	0.12
7.75	2.76	17.75	0.53	27.75	0.22	37.75	0.12
8.00	2.59	18.00	0.51	28.00	0.21	38.00	0.11
8.25	2.44	18.25	0.50	28.25	0.21	38.25	0.11
8.50	2.29	18.50	0.48	28.50	0.20	38.50	0.11
8.75	2.16	18.75	0.47	28.75	0.20	38.75	0.11
9.00	2.05	19.00	0.46	29.00	0.20	39.00	0.11
9.25	1.94	19.25	0.45	29.25	0.19	39.25	0.11
9.50	1.84	19.50	0.44	29.50	0.19	39.50	0.11
9.75	1.74	19.75	0.42	29.75	0.19	39.75	0.10
10.00	1.66	20.00	0.41	30.00	0.18	40.00	0.10

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 9 – 50%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 60% reflections)

Meters 1 Collector Meter

Time Avg: 50% % Reflection 60%

Distance where limits are exceeded			
FCC ft.	0.54	6.52	Inches
BioInitiative ft.	40.70	488.40	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.10	54.25	0.06	68.25	0.04	82.25	0.02
40.50	0.10	54.50	0.06	68.50	0.04	82.50	0.02
40.75	0.10	54.75	0.06	68.75	0.04	82.75	0.02
41.00	0.10	55.00	0.05	69.00	0.03	83.00	0.02
41.25	0.10	55.25	0.05	69.25	0.03	83.25	0.02
41.50	0.10	55.50	0.05	69.50	0.03	83.50	0.02
41.75	0.10	55.75	0.05	69.75	0.03	83.75	0.02
42.00	0.09	56.00	0.05	70.00	0.03	84.00	0.02
42.25	0.09	56.25	0.05	70.25	0.03	84.25	0.02
42.50	0.09	56.50	0.05	70.50	0.03	84.50	0.02
42.75	0.09	56.75	0.05	70.75	0.03	84.75	0.02
43.00	0.09	57.00	0.05	71.00	0.03	85.00	0.02
43.25	0.09	57.25	0.05	71.25	0.03	85.25	0.02
43.50	0.09	57.50	0.05	71.50	0.03	85.50	0.02
43.75	0.09	57.75	0.05	71.75	0.03	85.75	0.02
44.00	0.09	58.00	0.05	72.00	0.03	86.00	0.02
44.25	0.08	58.25	0.05	72.25	0.03	86.25	0.02
44.50	0.08	58.50	0.05	72.50	0.03	86.50	0.02
44.75	0.08	58.75	0.05	72.75	0.03	86.75	0.02
45.00	0.08	59.00	0.05	73.00	0.03	87.00	0.02
45.25	0.08	59.25	0.05	73.25	0.03	87.25	0.02
45.50	0.08	59.50	0.05	73.50	0.03	87.50	0.02
45.75	0.08	59.75	0.05	73.75	0.03	87.75	0.02
46.00	0.08	60.00	0.05	74.00	0.03	88.00	0.02
46.25	0.08	60.25	0.05	74.25	0.03	88.25	0.02
46.50	0.08	60.50	0.05	74.50	0.03	88.50	0.02
46.75	0.08	60.75	0.04	74.75	0.03	88.75	0.02
47.00	0.08	61.00	0.04	75.00	0.03	89.00	0.02
47.25	0.07	61.25	0.04	75.25	0.03	89.25	0.02
47.50	0.07	61.50	0.04	75.50	0.03	89.50	0.02
47.75	0.07	61.75	0.04	75.75	0.03	89.75	0.02
48.00	0.07	62.00	0.04	76.00	0.03	90.00	0.02
48.25	0.07	62.25	0.04	76.25	0.03	90.25	0.02
48.50	0.07	62.50	0.04	76.50	0.03	90.50	0.02
48.75	0.07	62.75	0.04	76.75	0.03	90.75	0.02
49.00	0.07	63.00	0.04	77.00	0.03	91.00	0.02
49.25	0.07	63.25	0.04	77.25	0.03	91.25	0.02
49.50	0.07	63.50	0.04	77.50	0.03	91.50	0.02
49.75	0.07	63.75	0.04	77.75	0.03	91.75	0.02
50.00	0.07	64.00	0.04	78.00	0.03	92.00	0.02
50.25	0.07	64.25	0.04	78.25	0.03	92.25	0.02
50.50	0.06	64.50	0.04	78.50	0.03	92.50	0.02
50.75	0.06	64.75	0.04	78.75	0.03	92.75	0.02
51.00	0.06	65.00	0.04	79.00	0.03	93.00	0.02
51.25	0.06	65.25	0.04	79.25	0.03	93.25	0.02
51.50	0.06	65.50	0.04	79.50	0.03	93.50	0.02
51.75	0.06	65.75	0.04	79.75	0.03	93.75	0.02
52.00	0.06	66.00	0.04	80.00	0.03	94.00	0.02
52.25	0.06	66.25	0.04	80.25	0.03	94.25	0.02
52.50	0.06	66.50	0.04	80.50	0.03	94.50	0.02
52.75	0.06	66.75	0.04	80.75	0.03	94.75	0.02
53.00	0.06	67.00	0.04	81.00	0.03	95.00	0.02
53.25	0.06	67.25	0.04	81.25	0.03	95.25	0.02
53.50	0.06	67.50	0.04	81.50	0.02	95.50	0.02
53.75	0.06	67.75	0.04	81.75	0.02	95.75	0.02
54.00	0.06	68.00	0.04	82.00	0.02	96.00	0.02

Table 9 – 50%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 60% reflections)

Meters 1 Collector Meter

Time Avg: 60% % Reflection 60%

Distance where limits are exceeded			
FCC ft.	0.60	7.1	Inches
BioInitiative ft.	44.50	534.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	3182.46	10.25	1.89	20.25	0.49	30.25	0.22
0.50	795.62	10.50	1.80	20.50	0.47	30.50	0.21
0.75	353.61	10.75	1.72	20.75	0.46	30.75	0.21
1.00	198.90	11.00	1.64	21.00	0.45	31.00	0.21
1.25	127.30	11.25	1.57	21.25	0.44	31.25	0.20
1.50	88.40	11.50	1.50	21.50	0.43	31.50	0.20
1.75	64.95	11.75	1.44	21.75	0.42	31.75	0.20
2.00	49.73	12.00	1.38	22.00	0.41	32.00	0.19
2.25	39.29	12.25	1.33	22.25	0.40	32.25	0.19
2.50	31.82	12.50	1.27	22.50	0.39	32.50	0.19
2.75	26.30	12.75	1.22	22.75	0.38	32.75	0.19
3.00	22.10	13.00	1.18	23.00	0.38	33.00	0.18
3.25	18.83	13.25	1.13	23.25	0.37	33.25	0.18
3.50	16.24	13.50	1.09	23.50	0.36	33.50	0.18
3.75	14.14	13.75	1.05	23.75	0.35	33.75	0.17
4.00	12.43	14.00	1.01	24.00	0.35	34.00	0.17
4.25	11.01	14.25	0.98	24.25	0.34	34.25	0.17
4.50	9.82	14.50	0.95	24.50	0.33	34.50	0.17
4.75	8.82	14.75	0.91	24.75	0.32	34.75	0.16
5.00	7.96	15.00	0.88	25.00	0.32	35.00	0.16
5.25	7.22	15.25	0.86	25.25	0.31	35.25	0.16
5.50	6.58	15.50	0.83	25.50	0.31	35.50	0.16
5.75	6.02	15.75	0.80	25.75	0.30	35.75	0.16
6.00	5.53	16.00	0.78	26.00	0.29	36.00	0.15
6.25	5.09	16.25	0.75	26.25	0.29	36.25	0.15
6.50	4.71	16.50	0.73	26.50	0.28	36.50	0.15
6.75	4.37	16.75	0.71	26.75	0.28	36.75	0.15
7.00	4.06	17.00	0.69	27.00	0.27	37.00	0.15
7.25	3.78	17.25	0.67	27.25	0.27	37.25	0.14
7.50	3.54	17.50	0.65	27.50	0.26	37.50	0.14
7.75	3.31	17.75	0.63	27.75	0.26	37.75	0.14
8.00	3.11	18.00	0.61	28.00	0.25	38.00	0.14
8.25	2.92	18.25	0.60	28.25	0.25	38.25	0.14
8.50	2.75	18.50	0.58	28.50	0.24	38.50	0.13
8.75	2.60	18.75	0.57	28.75	0.24	38.75	0.13
9.00	2.46	19.00	0.55	29.00	0.24	39.00	0.13
9.25	2.32	19.25	0.54	29.25	0.23	39.25	0.13
9.50	2.20	19.50	0.52	29.50	0.23	39.50	0.13
9.75	2.09	19.75	0.51	29.75	0.22	39.75	0.13
10.00	1.99	20.00	0.50	30.00	0.22	40.00	0.12

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 9 – 60%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 60% reflections)

Meters 1 Collector Meter

Time Avg: 60% % Reflection 60%

Distance where limits are exceeded			
FCC ft.	0.60	7.15	Inches
BioInitiative ft.	44.50	534.00	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.12	54.25	0.07	68.25	0.04	82.25	0.03
40.50	0.12	54.50	0.07	68.50	0.04	82.50	0.03
40.75	0.12	54.75	0.07	68.75	0.04	82.75	0.03
41.00	0.12	55.00	0.07	69.00	0.04	83.00	0.03
41.25	0.12	55.25	0.07	69.25	0.04	83.25	0.03
41.50	0.12	55.50	0.06	69.50	0.04	83.50	0.03
41.75	0.11	55.75	0.06	69.75	0.04	83.75	0.03
42.00	0.11	56.00	0.06	70.00	0.04	84.00	0.03
42.25	0.11	56.25	0.06	70.25	0.04	84.25	0.03
42.50	0.11	56.50	0.06	70.50	0.04	84.50	0.03
42.75	0.11	56.75	0.06	70.75	0.04	84.75	0.03
43.00	0.11	57.00	0.06	71.00	0.04	85.00	0.03
43.25	0.11	57.25	0.06	71.25	0.04	85.25	0.03
43.50	0.11	57.50	0.06	71.50	0.04	85.50	0.03
43.75	0.10	57.75	0.06	71.75	0.04	85.75	0.03
44.00	0.10	58.00	0.06	72.00	0.04	86.00	0.03
44.25	0.10	58.25	0.06	72.25	0.04	86.25	0.03
44.50	0.10	58.50	0.06	72.50	0.04	86.50	0.03
44.75	0.10	58.75	0.06	72.75	0.04	86.75	0.03
45.00	0.10	59.00	0.06	73.00	0.04	87.00	0.03
45.25	0.10	59.25	0.06	73.25	0.04	87.25	0.03
45.50	0.10	59.50	0.06	73.50	0.04	87.50	0.03
45.75	0.10	59.75	0.06	73.75	0.04	87.75	0.03
46.00	0.09	60.00	0.06	74.00	0.04	88.00	0.03
46.25	0.09	60.25	0.05	74.25	0.04	88.25	0.03
46.50	0.09	60.50	0.05	74.50	0.04	88.50	0.03
46.75	0.09	60.75	0.05	74.75	0.04	88.75	0.03
47.00	0.09	61.00	0.05	75.00	0.04	89.00	0.03
47.25	0.09	61.25	0.05	75.25	0.04	89.25	0.02
47.50	0.09	61.50	0.05	75.50	0.03	89.50	0.02
47.75	0.09	61.75	0.05	75.75	0.03	89.75	0.02
48.00	0.09	62.00	0.05	76.00	0.03	90.00	0.02
48.25	0.09	62.25	0.05	76.25	0.03	90.25	0.02
48.50	0.08	62.50	0.05	76.50	0.03	90.50	0.02
48.75	0.08	62.75	0.05	76.75	0.03	90.75	0.02
49.00	0.08	63.00	0.05	77.00	0.03	91.00	0.02
49.25	0.08	63.25	0.05	77.25	0.03	91.25	0.02
49.50	0.08	63.50	0.05	77.50	0.03	91.50	0.02
49.75	0.08	63.75	0.05	77.75	0.03	91.75	0.02
50.00	0.08	64.00	0.05	78.00	0.03	92.00	0.02
50.25	0.08	64.25	0.05	78.25	0.03	92.25	0.02
50.50	0.08	64.50	0.05	78.50	0.03	92.50	0.02
50.75	0.08	64.75	0.05	78.75	0.03	92.75	0.02
51.00	0.08	65.00	0.05	79.00	0.03	93.00	0.02
51.25	0.08	65.25	0.05	79.25	0.03	93.25	0.02
51.50	0.07	65.50	0.05	79.50	0.03	93.50	0.02
51.75	0.07	65.75	0.05	79.75	0.03	93.75	0.02
52.00	0.07	66.00	0.05	80.00	0.03	94.00	0.02
52.25	0.07	66.25	0.05	80.25	0.03	94.25	0.02
52.50	0.07	66.50	0.04	80.50	0.03	94.50	0.02
52.75	0.07	66.75	0.04	80.75	0.03	94.75	0.02
53.00	0.07	67.00	0.04	81.00	0.03	95.00	0.02
53.25	0.07	67.25	0.04	81.25	0.03	95.25	0.02
53.50	0.07	67.50	0.04	81.50	0.03	95.50	0.02
53.75	0.07	67.75	0.04	81.75	0.03	95.75	0.02
54.00	0.07	68.00	0.04	82.00	0.03	96.00	0.02

Table 9 – 60%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 60% reflections)

Meters 1 Collector Meter

Time Avg: 70% % Reflection 60%

Distance where limits are exceeded		
FCC ft.	0.64	7.7 Inches
BioInitiative ft.	48.10	577.2 Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	3712.87	10.25	2.21	20.25	0.57	30.25	0.25
0.50	928.22	10.50	2.10	20.50	0.55	30.50	0.25
0.75	412.54	10.75	2.01	20.75	0.54	30.75	0.25
1.00	232.05	11.00	1.92	21.00	0.53	31.00	0.24
1.25	148.51	11.25	1.83	21.25	0.51	31.25	0.24
1.50	103.14	11.50	1.75	21.50	0.50	31.50	0.23
1.75	75.77	11.75	1.68	21.75	0.49	31.75	0.23
2.00	58.01	12.00	1.61	22.00	0.48	32.00	0.23
2.25	45.84	12.25	1.55	22.25	0.47	32.25	0.22
2.50	37.13	12.50	1.49	22.50	0.46	32.50	0.22
2.75	30.68	12.75	1.43	22.75	0.45	32.75	0.22
3.00	25.78	13.00	1.37	23.00	0.44	33.00	0.21
3.25	21.97	13.25	1.32	23.25	0.43	33.25	0.21
3.50	18.94	13.50	1.27	23.50	0.42	33.50	0.21
3.75	16.50	13.75	1.23	23.75	0.41	33.75	0.20
4.00	14.50	14.00	1.18	24.00	0.40	34.00	0.20
4.25	12.85	14.25	1.14	24.25	0.39	34.25	0.20
4.50	11.46	14.50	1.10	24.50	0.39	34.50	0.19
4.75	10.28	14.75	1.07	24.75	0.38	34.75	0.19
5.00	9.28	15.00	1.03	25.00	0.37	35.00	0.19
5.25	8.42	15.25	1.00	25.25	0.36	35.25	0.19
5.50	7.67	15.50	0.97	25.50	0.36	35.50	0.18
5.75	7.02	15.75	0.94	25.75	0.35	35.75	0.18
6.00	6.45	16.00	0.91	26.00	0.34	36.00	0.18
6.25	5.94	16.25	0.88	26.25	0.34	36.25	0.18
6.50	5.49	16.50	0.85	26.50	0.33	36.50	0.17
6.75	5.09	16.75	0.83	26.75	0.32	36.75	0.17
7.00	4.74	17.00	0.80	27.00	0.32	37.00	0.17
7.25	4.41	17.25	0.78	27.25	0.31	37.25	0.17
7.50	4.13	17.50	0.76	27.50	0.31	37.50	0.17
7.75	3.86	17.75	0.74	27.75	0.30	37.75	0.16
8.00	3.63	18.00	0.72	28.00	0.30	38.00	0.16
8.25	3.41	18.25	0.70	28.25	0.29	38.25	0.16
8.50	3.21	18.50	0.68	28.50	0.29	38.50	0.16
8.75	3.03	18.75	0.66	28.75	0.28	38.75	0.15
9.00	2.86	19.00	0.64	29.00	0.28	39.00	0.15
9.25	2.71	19.25	0.63	29.25	0.27	39.25	0.15
9.50	2.57	19.50	0.61	29.50	0.27	39.50	0.15
9.75	2.44	19.75	0.59	29.75	0.26	39.75	0.15
10.00	2.32	20.00	0.58	30.00	0.26	40.00	0.15

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 9 – 70%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 60% reflections)

Meters 1 Collector Meter

Time Avg: 70% % Reflection 60%

Distance where limits are exceeded			
FCC ft. 0.64		7.72	Inches
BioInitiative ft. 48.10		577.20	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.14	54.25	0.08	68.25	0.05	82.25	0.03
40.50	0.14	54.50	0.08	68.50	0.05	82.50	0.03
40.75	0.14	54.75	0.08	68.75	0.05	82.75	0.03
41.00	0.14	55.00	0.08	69.00	0.05	83.00	0.03
41.25	0.14	55.25	0.08	69.25	0.05	83.25	0.03
41.50	0.13	55.50	0.08	69.50	0.05	83.50	0.03
41.75	0.13	55.75	0.07	69.75	0.05	83.75	0.03
42.00	0.13	56.00	0.07	70.00	0.05	84.00	0.03
42.25	0.13	56.25	0.07	70.25	0.05	84.25	0.03
42.50	0.13	56.50	0.07	70.50	0.05	84.50	0.03
42.75	0.13	56.75	0.07	70.75	0.05	84.75	0.03
43.00	0.13	57.00	0.07	71.00	0.05	85.00	0.03
43.25	0.12	57.25	0.07	71.25	0.05	85.25	0.03
43.50	0.12	57.50	0.07	71.50	0.05	85.50	0.03
43.75	0.12	57.75	0.07	71.75	0.05	85.75	0.03
44.00	0.12	58.00	0.07	72.00	0.04	86.00	0.03
44.25	0.12	58.25	0.07	72.25	0.04	86.25	0.03
44.50	0.12	58.50	0.07	72.50	0.04	86.50	0.03
44.75	0.12	58.75	0.07	72.75	0.04	86.75	0.03
45.00	0.11	59.00	0.07	73.00	0.04	87.00	0.03
45.25	0.11	59.25	0.07	73.25	0.04	87.25	0.03
45.50	0.11	59.50	0.07	73.50	0.04	87.50	0.03
45.75	0.11	59.75	0.07	73.75	0.04	87.75	0.03
46.00	0.11	60.00	0.06	74.00	0.04	88.00	0.03
46.25	0.11	60.25	0.06	74.25	0.04	88.25	0.03
46.50	0.11	60.50	0.06	74.50	0.04	88.50	0.03
46.75	0.11	60.75	0.06	74.75	0.04	88.75	0.03
47.00	0.11	61.00	0.06	75.00	0.04	89.00	0.03
47.25	0.10	61.25	0.06	75.25	0.04	89.25	0.03
47.50	0.10	61.50	0.06	75.50	0.04	89.50	0.03
47.75	0.10	61.75	0.06	75.75	0.04	89.75	0.03
48.00	0.10	62.00	0.06	76.00	0.04	90.00	0.03
48.25	0.10	62.25	0.06	76.25	0.04	90.25	0.03
48.50	0.10	62.50	0.06	76.50	0.04	90.50	0.03
48.75	0.10	62.75	0.06	76.75	0.04	90.75	0.03
49.00	0.10	63.00	0.06	77.00	0.04	91.00	0.03
49.25	0.10	63.25	0.06	77.25	0.04	91.25	0.03
49.50	0.09	63.50	0.06	77.50	0.04	91.50	0.03
49.75	0.09	63.75	0.06	77.75	0.04	91.75	0.03
50.00	0.09	64.00	0.06	78.00	0.04	92.00	0.03
50.25	0.09	64.25	0.06	78.25	0.04	92.25	0.03
50.50	0.09	64.50	0.06	78.50	0.04	92.50	0.03
50.75	0.09	64.75	0.06	78.75	0.04	92.75	0.03
51.00	0.09	65.00	0.05	79.00	0.04	93.00	0.03
51.25	0.09	65.25	0.05	79.25	0.04	93.25	0.03
51.50	0.09	65.50	0.05	79.50	0.04	93.50	0.03
51.75	0.09	65.75	0.05	79.75	0.04	93.75	0.03
52.00	0.09	66.00	0.05	80.00	0.04	94.00	0.03
52.25	0.08	66.25	0.05	80.25	0.04	94.25	0.03
52.50	0.08	66.50	0.05	80.50	0.04	94.50	0.03
52.75	0.08	66.75	0.05	80.75	0.04	94.75	0.03
53.00	0.08	67.00	0.05	81.00	0.04	95.00	0.03
53.25	0.08	67.25	0.05	81.25	0.04	95.25	0.03
53.50	0.08	67.50	0.05	81.50	0.03	95.50	0.03
53.75	0.08	67.75	0.05	81.75	0.03	95.75	0.03
54.00	0.08	68.00	0.05	82.00	0.03	96.00	0.03

Table 9 – 70%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 60% reflections)

Meters 1 Collector Meter

Time Avg: 80% % Reflection 60%

Distance where limits are exceeded			
FCC ft.	0.69	8.3	Inches
BioInitiative ft.	51.50	618.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	4243.29	10.25	2.52	20.25	0.65	30.25	0.29
0.50	1060.82	10.50	2.41	20.50	0.63	30.50	0.29
0.75	471.48	10.75	2.29	20.75	0.62	30.75	0.28
1.00	265.21	11.00	2.19	21.00	0.60	31.00	0.28
1.25	169.73	11.25	2.10	21.25	0.59	31.25	0.27
1.50	117.87	11.50	2.01	21.50	0.57	31.50	0.27
1.75	86.60	11.75	1.92	21.75	0.56	31.75	0.26
2.00	66.30	12.00	1.84	22.00	0.55	32.00	0.26
2.25	52.39	12.25	1.77	22.25	0.54	32.25	0.25
2.50	42.43	12.50	1.70	22.50	0.52	32.50	0.25
2.75	35.07	12.75	1.63	22.75	0.51	32.75	0.25
3.00	29.47	13.00	1.57	23.00	0.50	33.00	0.24
3.25	25.11	13.25	1.51	23.25	0.49	33.25	0.24
3.50	21.65	13.50	1.46	23.50	0.48	33.50	0.24
3.75	18.86	13.75	1.40	23.75	0.47	33.75	0.23
4.00	16.58	14.00	1.35	24.00	0.46	34.00	0.23
4.25	14.68	14.25	1.31	24.25	0.45	34.25	0.23
4.50	13.10	14.50	1.26	24.50	0.44	34.50	0.22
4.75	11.75	14.75	1.22	24.75	0.43	34.75	0.22
5.00	10.61	15.00	1.18	25.00	0.42	35.00	0.22
5.25	9.62	15.25	1.14	25.25	0.42	35.25	0.21
5.50	8.77	15.50	1.10	25.50	0.41	35.50	0.21
5.75	8.02	15.75	1.07	25.75	0.40	35.75	0.21
6.00	7.37	16.00	1.04	26.00	0.39	36.00	0.20
6.25	6.79	16.25	1.00	26.25	0.38	36.25	0.20
6.50	6.28	16.50	0.97	26.50	0.38	36.50	0.20
6.75	5.82	16.75	0.95	26.75	0.37	36.75	0.20
7.00	5.41	17.00	0.92	27.00	0.36	37.00	0.19
7.25	5.05	17.25	0.89	27.25	0.36	37.25	0.19
7.50	4.71	17.50	0.87	27.50	0.35	37.50	0.19
7.75	4.42	17.75	0.84	27.75	0.34	37.75	0.19
8.00	4.14	18.00	0.82	28.00	0.34	38.00	0.18
8.25	3.90	18.25	0.80	28.25	0.33	38.25	0.18
8.50	3.67	18.50	0.77	28.50	0.33	38.50	0.18
8.75	3.46	18.75	0.75	28.75	0.32	38.75	0.18
9.00	3.27	19.00	0.73	29.00	0.32	39.00	0.17
9.25	3.10	19.25	0.72	29.25	0.31	39.25	0.17
9.50	2.94	19.50	0.70	29.50	0.30	39.50	0.17
9.75	2.79	19.75	0.68	29.75	0.30	39.75	0.17
10.00	2.65	20.00	0.66	30.00	0.29	40.00	0.17

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 9 – 80%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 60% reflections)

Meters 1 Collector Meter

Time Avg: 80% % Reflection 60%

Distance where limits are exceeded			
FCC ft. 0.69		8.25 Inches	
BioInitiative ft. 51.50		618.00 Inches	

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.16	54.25	0.09	68.25	0.06	82.25	0.04
40.50	0.16	54.50	0.09	68.50	0.06	82.50	0.04
40.75	0.16	54.75	0.09	68.75	0.06	82.75	0.04
41.00	0.16	55.00	0.09	69.00	0.06	83.00	0.04
41.25	0.16	55.25	0.09	69.25	0.06	83.25	0.04
41.50	0.15	55.50	0.09	69.50	0.05	83.50	0.04
41.75	0.15	55.75	0.09	69.75	0.05	83.75	0.04
42.00	0.15	56.00	0.08	70.00	0.05	84.00	0.04
42.25	0.15	56.25	0.08	70.25	0.05	84.25	0.04
42.50	0.15	56.50	0.08	70.50	0.05	84.50	0.04
42.75	0.15	56.75	0.08	70.75	0.05	84.75	0.04
43.00	0.14	57.00	0.08	71.00	0.05	85.00	0.04
43.25	0.14	57.25	0.08	71.25	0.05	85.25	0.04
43.50	0.14	57.50	0.08	71.50	0.05	85.50	0.04
43.75	0.14	57.75	0.08	71.75	0.05	85.75	0.04
44.00	0.14	58.00	0.08	72.00	0.05	86.00	0.04
44.25	0.14	58.25	0.08	72.25	0.05	86.25	0.04
44.50	0.13	58.50	0.08	72.50	0.05	86.50	0.04
44.75	0.13	58.75	0.08	72.75	0.05	86.75	0.04
45.00	0.13	59.00	0.08	73.00	0.05	87.00	0.04
45.25	0.13	59.25	0.08	73.25	0.05	87.25	0.03
45.50	0.13	59.50	0.07	73.50	0.05	87.50	0.03
45.75	0.13	59.75	0.07	73.75	0.05	87.75	0.03
46.00	0.13	60.00	0.07	74.00	0.05	88.00	0.03
46.25	0.12	60.25	0.07	74.25	0.05	88.25	0.03
46.50	0.12	60.50	0.07	74.50	0.05	88.50	0.03
46.75	0.12	60.75	0.07	74.75	0.05	88.75	0.03
47.00	0.12	61.00	0.07	75.00	0.05	89.00	0.03
47.25	0.12	61.25	0.07	75.25	0.05	89.25	0.03
47.50	0.12	61.50	0.07	75.50	0.05	89.50	0.03
47.75	0.12	61.75	0.07	75.75	0.05	89.75	0.03
48.00	0.12	62.00	0.07	76.00	0.05	90.00	0.03
48.25	0.11	62.25	0.07	76.25	0.05	90.25	0.03
48.50	0.11	62.50	0.07	76.50	0.05	90.50	0.03
48.75	0.11	62.75	0.07	76.75	0.05	90.75	0.03
49.00	0.11	63.00	0.07	77.00	0.04	91.00	0.03
49.25	0.11	63.25	0.07	77.25	0.04	91.25	0.03
49.50	0.11	63.50	0.07	77.50	0.04	91.50	0.03
49.75	0.11	63.75	0.07	77.75	0.04	91.75	0.03
50.00	0.11	64.00	0.06	78.00	0.04	92.00	0.03
50.25	0.11	64.25	0.06	78.25	0.04	92.25	0.03
50.50	0.10	64.50	0.06	78.50	0.04	92.50	0.03
50.75	0.10	64.75	0.06	78.75	0.04	92.75	0.03
51.00	0.10	65.00	0.06	79.00	0.04	93.00	0.03
51.25	0.10	65.25	0.06	79.25	0.04	93.25	0.03
51.50	0.10	65.50	0.06	79.50	0.04	93.50	0.03
51.75	0.10	65.75	0.06	79.75	0.04	93.75	0.03
52.00	0.10	66.00	0.06	80.00	0.04	94.00	0.03
52.25	0.10	66.25	0.06	80.25	0.04	94.25	0.03
52.50	0.10	66.50	0.06	80.50	0.04	94.50	0.03
52.75	0.10	66.75	0.06	80.75	0.04	94.75	0.03
53.00	0.09	67.00	0.06	81.00	0.04	95.00	0.03
53.25	0.09	67.25	0.06	81.25	0.04	95.25	0.03
53.50	0.09	67.50	0.06	81.50	0.04	95.50	0.03
53.75	0.09	67.75	0.06	81.75	0.04	95.75	0.03
54.00	0.09	68.00	0.06	82.00	0.04	96.00	0.03

Table 9 – 80%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 60% reflections)

Meters 1 Collector Meter

Time Avg: 90% % Reflection 60%

Distance where limits are exceeded			
FCC ft.	0.73	8.8	Inches
BioInitiative ft.	54.50	654.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	4773.70	10.25	2.84	20.25	0.73	30.25	0.33
0.50	1193.42	10.50	2.71	20.50	0.71	30.50	0.32
0.75	530.41	10.75	2.58	20.75	0.69	30.75	0.32
1.00	298.36	11.00	2.47	21.00	0.68	31.00	0.31
1.25	190.95	11.25	2.36	21.25	0.66	31.25	0.31
1.50	132.60	11.50	2.26	21.50	0.65	31.50	0.30
1.75	97.42	11.75	2.16	21.75	0.63	31.75	0.30
2.00	74.59	12.00	2.07	22.00	0.62	32.00	0.29
2.25	58.93	12.25	1.99	22.25	0.60	32.25	0.29
2.50	47.74	12.50	1.91	22.50	0.59	32.50	0.28
2.75	39.45	12.75	1.84	22.75	0.58	32.75	0.28
3.00	33.15	13.00	1.77	23.00	0.56	33.00	0.27
3.25	28.25	13.25	1.70	23.25	0.55	33.25	0.27
3.50	24.36	13.50	1.64	23.50	0.54	33.50	0.27
3.75	21.22	13.75	1.58	23.75	0.53	33.75	0.26
4.00	18.65	14.00	1.52	24.00	0.52	34.00	0.26
4.25	16.52	14.25	1.47	24.25	0.51	34.25	0.25
4.50	14.73	14.50	1.42	24.50	0.50	34.50	0.25
4.75	13.22	14.75	1.37	24.75	0.49	34.75	0.25
5.00	11.93	15.00	1.33	25.00	0.48	35.00	0.24
5.25	10.82	15.25	1.28	25.25	0.47	35.25	0.24
5.50	9.86	15.50	1.24	25.50	0.46	35.50	0.24
5.75	9.02	15.75	1.20	25.75	0.45	35.75	0.23
6.00	8.29	16.00	1.17	26.00	0.44	36.00	0.23
6.25	7.64	16.25	1.13	26.25	0.43	36.25	0.23
6.50	7.06	16.50	1.10	26.50	0.42	36.50	0.22
6.75	6.55	16.75	1.06	26.75	0.42	36.75	0.22
7.00	6.09	17.00	1.03	27.00	0.41	37.00	0.22
7.25	5.68	17.25	1.00	27.25	0.40	37.25	0.22
7.50	5.30	17.50	0.97	27.50	0.39	37.50	0.21
7.75	4.97	17.75	0.95	27.75	0.39	37.75	0.21
8.00	4.66	18.00	0.92	28.00	0.38	38.00	0.21
8.25	4.38	18.25	0.90	28.25	0.37	38.25	0.20
8.50	4.13	18.50	0.87	28.50	0.37	38.50	0.20
8.75	3.90	18.75	0.85	28.75	0.36	38.75	0.20
9.00	3.68	19.00	0.83	29.00	0.35	39.00	0.20
9.25	3.49	19.25	0.81	29.25	0.35	39.25	0.19
9.50	3.31	19.50	0.78	29.50	0.34	39.50	0.19
9.75	3.14	19.75	0.76	29.75	0.34	39.75	0.19
10.00	2.98	20.00	0.75	30.00	0.33	40.00	0.19

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 9 – 90%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 60% reflections)

Meters 1 Collector Meter

Time Avg: 90% % Reflection 60%

Distance where limits are exceeded			
FCC ft. 0.73		8.75 Inches	
BioInitiative ft. 54.50		654.00 Inches	

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.18	54.25	0.10	68.25	0.06	82.25	0.04
40.50	0.18	54.50	0.10	68.50	0.06	82.50	0.04
40.75	0.18	54.75	0.10	68.75	0.06	82.75	0.04
41.00	0.18	55.00	0.10	69.00	0.06	83.00	0.04
41.25	0.18	55.25	0.10	69.25	0.06	83.25	0.04
41.50	0.17	55.50	0.10	69.50	0.06	83.50	0.04
41.75	0.17	55.75	0.10	69.75	0.06	83.75	0.04
42.00	0.17	56.00	0.10	70.00	0.06	84.00	0.04
42.25	0.17	56.25	0.09	70.25	0.06	84.25	0.04
42.50	0.17	56.50	0.09	70.50	0.06	84.50	0.04
42.75	0.16	56.75	0.09	70.75	0.06	84.75	0.04
43.00	0.16	57.00	0.09	71.00	0.06	85.00	0.04
43.25	0.16	57.25	0.09	71.25	0.06	85.25	0.04
43.50	0.16	57.50	0.09	71.50	0.06	85.50	0.04
43.75	0.16	57.75	0.09	71.75	0.06	85.75	0.04
44.00	0.15	58.00	0.09	72.00	0.06	86.00	0.04
44.25	0.15	58.25	0.09	72.25	0.06	86.25	0.04
44.50	0.15	58.50	0.09	72.50	0.06	86.50	0.04
44.75	0.15	58.75	0.09	72.75	0.06	86.75	0.04
45.00	0.15	59.00	0.09	73.00	0.06	87.00	0.04
45.25	0.15	59.25	0.08	73.25	0.06	87.25	0.04
45.50	0.14	59.50	0.08	73.50	0.06	87.50	0.04
45.75	0.14	59.75	0.08	73.75	0.05	87.75	0.04
46.00	0.14	60.00	0.08	74.00	0.05	88.00	0.04
46.25	0.14	60.25	0.08	74.25	0.05	88.25	0.04
46.50	0.14	60.50	0.08	74.50	0.05	88.50	0.04
46.75	0.14	60.75	0.08	74.75	0.05	88.75	0.04
47.00	0.14	61.00	0.08	75.00	0.05	89.00	0.04
47.25	0.13	61.25	0.08	75.25	0.05	89.25	0.04
47.50	0.13	61.50	0.08	75.50	0.05	89.50	0.04
47.75	0.13	61.75	0.08	75.75	0.05	89.75	0.04
48.00	0.13	62.00	0.08	76.00	0.05	90.00	0.04
48.25	0.13	62.25	0.08	76.25	0.05	90.25	0.04
48.50	0.13	62.50	0.08	76.50	0.05	90.50	0.04
48.75	0.13	62.75	0.08	76.75	0.05	90.75	0.04
49.00	0.12	63.00	0.08	77.00	0.05	91.00	0.04
49.25	0.12	63.25	0.07	77.25	0.05	91.25	0.04
49.50	0.12	63.50	0.07	77.50	0.05	91.50	0.04
49.75	0.12	63.75	0.07	77.75	0.05	91.75	0.04
50.00	0.12	64.00	0.07	78.00	0.05	92.00	0.04
50.25	0.12	64.25	0.07	78.25	0.05	92.25	0.04
50.50	0.12	64.50	0.07	78.50	0.05	92.50	0.03
50.75	0.12	64.75	0.07	78.75	0.05	92.75	0.03
51.00	0.11	65.00	0.07	79.00	0.05	93.00	0.03
51.25	0.11	65.25	0.07	79.25	0.05	93.25	0.03
51.50	0.11	65.50	0.07	79.50	0.05	93.50	0.03
51.75	0.11	65.75	0.07	79.75	0.05	93.75	0.03
52.00	0.11	66.00	0.07	80.00	0.05	94.00	0.03
52.25	0.11	66.25	0.07	80.25	0.05	94.25	0.03
52.50	0.11	66.50	0.07	80.50	0.05	94.50	0.03
52.75	0.11	66.75	0.07	80.75	0.05	94.75	0.03
53.00	0.11	67.00	0.07	81.00	0.05	95.00	0.03
53.25	0.11	67.25	0.07	81.25	0.05	95.25	0.03
53.50	0.10	67.50	0.07	81.50	0.04	95.50	0.03
53.75	0.10	67.75	0.07	81.75	0.04	95.75	0.03
54.00	0.10	68.00	0.06	82.00	0.04	96.00	0.03

Table 9 – 90%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 60% reflections)

Meters 1 Collector Meter

Time Avg: 100% % Reflection 60%

Distance where limits are exceeded			
FCC ft.	0.77	9.2	Inches
BioInitiative ft.	57.50	690.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	5304.11	10.25	3.16	20.25	0.81	30.25	0.36
0.50	1326.03	10.50	3.01	20.50	0.79	30.50	0.36
0.75	589.35	10.75	2.87	20.75	0.77	30.75	0.35
1.00	331.51	11.00	2.74	21.00	0.75	31.00	0.34
1.25	212.16	11.25	2.62	21.25	0.73	31.25	0.34
1.50	147.34	11.50	2.51	21.50	0.72	31.50	0.33
1.75	108.25	11.75	2.40	21.75	0.70	31.75	0.33
2.00	82.88	12.00	2.30	22.00	0.68	32.00	0.32
2.25	65.48	12.25	2.21	22.25	0.67	32.25	0.32
2.50	53.04	12.50	2.12	22.50	0.65	32.50	0.31
2.75	43.84	12.75	2.04	22.75	0.64	32.75	0.31
3.00	36.83	13.00	1.96	23.00	0.63	33.00	0.30
3.25	31.39	13.25	1.89	23.25	0.61	33.25	0.30
3.50	27.06	13.50	1.82	23.50	0.60	33.50	0.30
3.75	23.57	13.75	1.75	23.75	0.59	33.75	0.29
4.00	20.72	14.00	1.69	24.00	0.58	34.00	0.29
4.25	18.35	14.25	1.63	24.25	0.56	34.25	0.28
4.50	16.37	14.50	1.58	24.50	0.55	34.50	0.28
4.75	14.69	14.75	1.52	24.75	0.54	34.75	0.27
5.00	13.26	15.00	1.47	25.00	0.53	35.00	0.27
5.25	12.03	15.25	1.43	25.25	0.52	35.25	0.27
5.50	10.96	15.50	1.38	25.50	0.51	35.50	0.26
5.75	10.03	15.75	1.34	25.75	0.50	35.75	0.26
6.00	9.21	16.00	1.29	26.00	0.49	36.00	0.26
6.25	8.49	16.25	1.26	26.25	0.48	36.25	0.25
6.50	7.85	16.50	1.22	26.50	0.47	36.50	0.25
6.75	7.28	16.75	1.18	26.75	0.46	36.75	0.25
7.00	6.77	17.00	1.15	27.00	0.45	37.00	0.24
7.25	6.31	17.25	1.11	27.25	0.45	37.25	0.24
7.50	5.89	17.50	1.08	27.50	0.44	37.50	0.24
7.75	5.52	17.75	1.05	27.75	0.43	37.75	0.23
8.00	5.18	18.00	1.02	28.00	0.42	38.00	0.23
8.25	4.87	18.25	1.00	28.25	0.42	38.25	0.23
8.50	4.59	18.50	0.97	28.50	0.41	38.50	0.22
8.75	4.33	18.75	0.94	28.75	0.40	38.75	0.22
9.00	4.09	19.00	0.92	29.00	0.39	39.00	0.22
9.25	3.87	19.25	0.89	29.25	0.39	39.25	0.22
9.50	3.67	19.50	0.87	29.50	0.38	39.50	0.21
9.75	3.49	19.75	0.85	29.75	0.37	39.75	0.21
10.00	3.32	20.00	0.83	30.00	0.37	40.00	0.21

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 9 – 100%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 60% reflections)

Meters 1 Collector Meter

Time Avg: 100% % Reflection 60%

Distance where limits are exceeded			
FCC ft. 0.77		9.23 Inches	
BioInitiative ft. 57.50		690.00 Inches	

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.20	54.25	0.11	68.25	0.07	82.25	0.05
40.50	0.20	54.50	0.11	68.50	0.07	82.50	0.05
40.75	0.20	54.75	0.11	68.75	0.07	82.75	0.05
41.00	0.20	55.00	0.11	69.00	0.07	83.00	0.05
41.25	0.19	55.25	0.11	69.25	0.07	83.25	0.05
41.50	0.19	55.50	0.11	69.50	0.07	83.50	0.05
41.75	0.19	55.75	0.11	69.75	0.07	83.75	0.05
42.00	0.19	56.00	0.11	70.00	0.07	84.00	0.05
42.25	0.19	56.25	0.10	70.25	0.07	84.25	0.05
42.50	0.18	56.50	0.10	70.50	0.07	84.50	0.05
42.75	0.18	56.75	0.10	70.75	0.07	84.75	0.05
43.00	0.18	57.00	0.10	71.00	0.07	85.00	0.05
43.25	0.18	57.25	0.10	71.25	0.07	85.25	0.05
43.50	0.18	57.50	0.10	71.50	0.06	85.50	0.05
43.75	0.17	57.75	0.10	71.75	0.06	85.75	0.05
44.00	0.17	58.00	0.10	72.00	0.06	86.00	0.04
44.25	0.17	58.25	0.10	72.25	0.06	86.25	0.04
44.50	0.17	58.50	0.10	72.50	0.06	86.50	0.04
44.75	0.17	58.75	0.10	72.75	0.06	86.75	0.04
45.00	0.16	59.00	0.10	73.00	0.06	87.00	0.04
45.25	0.16	59.25	0.09	73.25	0.06	87.25	0.04
45.50	0.16	59.50	0.09	73.50	0.06	87.50	0.04
45.75	0.16	59.75	0.09	73.75	0.06	87.75	0.04
46.00	0.16	60.00	0.09	74.00	0.06	88.00	0.04
46.25	0.15	60.25	0.09	74.25	0.06	88.25	0.04
46.50	0.15	60.50	0.09	74.50	0.06	88.50	0.04
46.75	0.15	60.75	0.09	74.75	0.06	88.75	0.04
47.00	0.15	61.00	0.09	75.00	0.06	89.00	0.04
47.25	0.15	61.25	0.09	75.25	0.06	89.25	0.04
47.50	0.15	61.50	0.09	75.50	0.06	89.50	0.04
47.75	0.15	61.75	0.09	75.75	0.06	89.75	0.04
48.00	0.14	62.00	0.09	76.00	0.06	90.00	0.04
48.25	0.14	62.25	0.09	76.25	0.06	90.25	0.04
48.50	0.14	62.50	0.08	76.50	0.06	90.50	0.04
48.75	0.14	62.75	0.08	76.75	0.06	90.75	0.04
49.00	0.14	63.00	0.08	77.00	0.06	91.00	0.04
49.25	0.14	63.25	0.08	77.25	0.06	91.25	0.04
49.50	0.14	63.50	0.08	77.50	0.06	91.50	0.04
49.75	0.13	63.75	0.08	77.75	0.05	91.75	0.04
50.00	0.13	64.00	0.08	78.00	0.05	92.00	0.04
50.25	0.13	64.25	0.08	78.25	0.05	92.25	0.04
50.50	0.13	64.50	0.08	78.50	0.05	92.50	0.04
50.75	0.13	64.75	0.08	78.75	0.05	92.75	0.04
51.00	0.13	65.00	0.08	79.00	0.05	93.00	0.04
51.25	0.13	65.25	0.08	79.25	0.05	93.25	0.04
51.50	0.12	65.50	0.08	79.50	0.05	93.50	0.04
51.75	0.12	65.75	0.08	79.75	0.05	93.75	0.04
52.00	0.12	66.00	0.08	80.00	0.05	94.00	0.04
52.25	0.12	66.25	0.08	80.25	0.05	94.25	0.04
52.50	0.12	66.50	0.07	80.50	0.05	94.50	0.04
52.75	0.12	66.75	0.07	80.75	0.05	94.75	0.04
53.00	0.12	67.00	0.07	81.00	0.05	95.00	0.04
53.25	0.12	67.25	0.07	81.25	0.05	95.25	0.04
53.50	0.12	67.50	0.07	81.50	0.05	95.50	0.04
53.75	0.11	67.75	0.07	81.75	0.05	95.75	0.04
54.00	0.11	68.00	0.07	82.00	0.05	96.00	0.04

Table 9 – 100%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 100% reflections)

Meters 1 Collector Meter

Time Avg: 1% % Reflection 100%

Distance where limits are exceeded			
FCC ft.	0.10	1.2	Inches
BioInitiative ft.	7.20	86.4	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	82.88	10.25	0.05	20.25	0.01	30.25	0.01
0.50	20.72	10.50	0.05	20.50	0.01	30.50	0.01
0.75	9.21	10.75	0.04	20.75	0.01	30.75	0.01
1.00	5.18	11.00	0.04	21.00	0.01	31.00	0.01
1.25	3.32	11.25	0.04	21.25	0.01	31.25	0.01
1.50	2.30	11.50	0.04	21.50	0.01	31.50	0.01
1.75	1.69	11.75	0.04	21.75	0.01	31.75	0.01
2.00	1.29	12.00	0.04	22.00	0.01	32.00	0.01
2.25	1.02	12.25	0.03	22.25	0.01	32.25	0.00
2.50	0.83	12.50	0.03	22.50	0.01	32.50	0.00
2.75	0.68	12.75	0.03	22.75	0.01	32.75	0.00
3.00	0.58	13.00	0.03	23.00	0.01	33.00	0.00
3.25	0.49	13.25	0.03	23.25	0.01	33.25	0.00
3.50	0.42	13.50	0.03	23.50	0.01	33.50	0.00
3.75	0.37	13.75	0.03	23.75	0.01	33.75	0.00
4.00	0.32	14.00	0.03	24.00	0.01	34.00	0.00
4.25	0.29	14.25	0.03	24.25	0.01	34.25	0.00
4.50	0.26	14.50	0.02	24.50	0.01	34.50	0.00
4.75	0.23	14.75	0.02	24.75	0.01	34.75	0.00
5.00	0.21	15.00	0.02	25.00	0.01	35.00	0.00
5.25	0.19	15.25	0.02	25.25	0.01	35.25	0.00
5.50	0.17	15.50	0.02	25.50	0.01	35.50	0.00
5.75	0.16	15.75	0.02	25.75	0.01	35.75	0.00
6.00	0.14	16.00	0.02	26.00	0.01	36.00	0.00
6.25	0.13	16.25	0.02	26.25	0.01	36.25	0.00
6.50	0.12	16.50	0.02	26.50	0.01	36.50	0.00
6.75	0.11	16.75	0.02	26.75	0.01	36.75	0.00
7.00	0.11	17.00	0.02	27.00	0.01	37.00	0.00
7.25	0.10	17.25	0.02	27.25	0.01	37.25	0.00
7.50	0.09	17.50	0.02	27.50	0.01	37.50	0.00
7.75	0.09	17.75	0.02	27.75	0.01	37.75	0.00
8.00	0.08	18.00	0.02	28.00	0.01	38.00	0.00
8.25	0.08	18.25	0.02	28.25	0.01	38.25	0.00
8.50	0.07	18.50	0.02	28.50	0.01	38.50	0.00
8.75	0.07	18.75	0.01	28.75	0.01	38.75	0.00
9.00	0.06	19.00	0.01	29.00	0.01	39.00	0.00
9.25	0.06	19.25	0.01	29.25	0.01	39.25	0.00
9.50	0.06	19.50	0.01	29.50	0.01	39.50	0.00
9.75	0.05	19.75	0.01	29.75	0.01	39.75	0.00
10.00	0.05	20.00	0.01	30.00	0.01	40.00	0.00

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 10 – 1%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 100% reflections)

Meters 1 Collector Meter

Time Avg: 1% % Reflection 100%

Distance where limits are exceeded		
FCC ft. 0.10	1.15	Inches
BioInitiative ft. 7.20	86.40	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.00	54.25	0.00	68.25	0.00	82.25	0.00
40.50	0.00	54.50	0.00	68.50	0.00	82.50	0.00
40.75	0.00	54.75	0.00	68.75	0.00	82.75	0.00
41.00	0.00	55.00	0.00	69.00	0.00	83.00	0.00
41.25	0.00	55.25	0.00	69.25	0.00	83.25	0.00
41.50	0.00	55.50	0.00	69.50	0.00	83.50	0.00
41.75	0.00	55.75	0.00	69.75	0.00	83.75	0.00
42.00	0.00	56.00	0.00	70.00	0.00	84.00	0.00
42.25	0.00	56.25	0.00	70.25	0.00	84.25	0.00
42.50	0.00	56.50	0.00	70.50	0.00	84.50	0.00
42.75	0.00	56.75	0.00	70.75	0.00	84.75	0.00
43.00	0.00	57.00	0.00	71.00	0.00	85.00	0.00
43.25	0.00	57.25	0.00	71.25	0.00	85.25	0.00
43.50	0.00	57.50	0.00	71.50	0.00	85.50	0.00
43.75	0.00	57.75	0.00	71.75	0.00	85.75	0.00
44.00	0.00	58.00	0.00	72.00	0.00	86.00	0.00
44.25	0.00	58.25	0.00	72.25	0.00	86.25	0.00
44.50	0.00	58.50	0.00	72.50	0.00	86.50	0.00
44.75	0.00	58.75	0.00	72.75	0.00	86.75	0.00
45.00	0.00	59.00	0.00	73.00	0.00	87.00	0.00
45.25	0.00	59.25	0.00	73.25	0.00	87.25	0.00
45.50	0.00	59.50	0.00	73.50	0.00	87.50	0.00
45.75	0.00	59.75	0.00	73.75	0.00	87.75	0.00
46.00	0.00	60.00	0.00	74.00	0.00	88.00	0.00
46.25	0.00	60.25	0.00	74.25	0.00	88.25	0.00
46.50	0.00	60.50	0.00	74.50	0.00	88.50	0.00
46.75	0.00	60.75	0.00	74.75	0.00	88.75	0.00
47.00	0.00	61.00	0.00	75.00	0.00	89.00	0.00
47.25	0.00	61.25	0.00	75.25	0.00	89.25	0.00
47.50	0.00	61.50	0.00	75.50	0.00	89.50	0.00
47.75	0.00	61.75	0.00	75.75	0.00	89.75	0.00
48.00	0.00	62.00	0.00	76.00	0.00	90.00	0.00
48.25	0.00	62.25	0.00	76.25	0.00	90.25	0.00
48.50	0.00	62.50	0.00	76.50	0.00	90.50	0.00
48.75	0.00	62.75	0.00	76.75	0.00	90.75	0.00
49.00	0.00	63.00	0.00	77.00	0.00	91.00	0.00
49.25	0.00	63.25	0.00	77.25	0.00	91.25	0.00
49.50	0.00	63.50	0.00	77.50	0.00	91.50	0.00
49.75	0.00	63.75	0.00	77.75	0.00	91.75	0.00
50.00	0.00	64.00	0.00	78.00	0.00	92.00	0.00
50.25	0.00	64.25	0.00	78.25	0.00	92.25	0.00
50.50	0.00	64.50	0.00	78.50	0.00	92.50	0.00
50.75	0.00	64.75	0.00	78.75	0.00	92.75	0.00
51.00	0.00	65.00	0.00	79.00	0.00	93.00	0.00
51.25	0.00	65.25	0.00	79.25	0.00	93.25	0.00
51.50	0.00	65.50	0.00	79.50	0.00	93.50	0.00
51.75	0.00	65.75	0.00	79.75	0.00	93.75	0.00
52.00	0.00	66.00	0.00	80.00	0.00	94.00	0.00
52.25	0.00	66.25	0.00	80.25	0.00	94.25	0.00
52.50	0.00	66.50	0.00	80.50	0.00	94.50	0.00
52.75	0.00	66.75	0.00	80.75	0.00	94.75	0.00
53.00	0.00	67.00	0.00	81.00	0.00	95.00	0.00
53.25	0.00	67.25	0.00	81.25	0.00	95.25	0.00
53.50	0.00	67.50	0.00	81.50	0.00	95.50	0.00
53.75	0.00	67.75	0.00	81.75	0.00	95.75	0.00
54.00	0.00	68.00	0.00	82.00	0.00	96.00	0.00

Table 10 – 1%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 100% reflections)

Meters 1 Collector Meter

Time Avg: 10% % Reflection 100%

Distance where limits are exceeded			
FCC ft.	0.30	3.6	Inches
BioInitiative ft.	22.80	273.6	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	828.77	10.25	0.49	20.25	0.13	30.25	0.06
0.50	207.19	10.50	0.47	20.50	0.12	30.50	0.06
0.75	92.09	10.75	0.45	20.75	0.12	30.75	0.05
1.00	51.80	11.00	0.43	21.00	0.12	31.00	0.05
1.25	33.15	11.25	0.41	21.25	0.11	31.25	0.05
1.50	23.02	11.50	0.39	21.50	0.11	31.50	0.05
1.75	16.91	11.75	0.38	21.75	0.11	31.75	0.05
2.00	12.95	12.00	0.36	22.00	0.11	32.00	0.05
2.25	10.23	12.25	0.35	22.25	0.10	32.25	0.05
2.50	8.29	12.50	0.33	22.50	0.10	32.50	0.05
2.75	6.85	12.75	0.32	22.75	0.10	32.75	0.05
3.00	5.76	13.00	0.31	23.00	0.10	33.00	0.05
3.25	4.90	13.25	0.30	23.25	0.10	33.25	0.05
3.50	4.23	13.50	0.28	23.50	0.09	33.50	0.05
3.75	3.68	13.75	0.27	23.75	0.09	33.75	0.05
4.00	3.24	14.00	0.26	24.00	0.09	34.00	0.04
4.25	2.87	14.25	0.26	24.25	0.09	34.25	0.04
4.50	2.56	14.50	0.25	24.50	0.09	34.50	0.04
4.75	2.30	14.75	0.24	24.75	0.08	34.75	0.04
5.00	2.07	15.00	0.23	25.00	0.08	35.00	0.04
5.25	1.88	15.25	0.22	25.25	0.08	35.25	0.04
5.50	1.71	15.50	0.22	25.50	0.08	35.50	0.04
5.75	1.57	15.75	0.21	25.75	0.08	35.75	0.04
6.00	1.44	16.00	0.20	26.00	0.08	36.00	0.04
6.25	1.33	16.25	0.20	26.25	0.08	36.25	0.04
6.50	1.23	16.50	0.19	26.50	0.07	36.50	0.04
6.75	1.14	16.75	0.18	26.75	0.07	36.75	0.04
7.00	1.06	17.00	0.18	27.00	0.07	37.00	0.04
7.25	0.99	17.25	0.17	27.25	0.07	37.25	0.04
7.50	0.92	17.50	0.17	27.50	0.07	37.50	0.04
7.75	0.86	17.75	0.16	27.75	0.07	37.75	0.04
8.00	0.81	18.00	0.16	28.00	0.07	38.00	0.04
8.25	0.76	18.25	0.16	28.25	0.06	38.25	0.04
8.50	0.72	18.50	0.15	28.50	0.06	38.50	0.03
8.75	0.68	18.75	0.15	28.75	0.06	38.75	0.03
9.00	0.64	19.00	0.14	29.00	0.06	39.00	0.03
9.25	0.61	19.25	0.14	29.25	0.06	39.25	0.03
9.50	0.57	19.50	0.14	29.50	0.06	39.50	0.03
9.75	0.54	19.75	0.13	29.75	0.06	39.75	0.03
10.00	0.52	20.00	0.13	30.00	0.06	40.00	0.03

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 10 – 10%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 100% reflections)

Meters 1 Collector Meter

Time Avg: 10% % Reflection 100%

Distance where limits are exceeded			
FCC ft.	0.30	3.65	Inches
BioInitiative ft.	22.80	273.60	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.03	54.25	0.02	68.25	0.01	82.25	0.01
40.50	0.03	54.50	0.02	68.50	0.01	82.50	0.01
40.75	0.03	54.75	0.02	68.75	0.01	82.75	0.01
41.00	0.03	55.00	0.02	69.00	0.01	83.00	0.01
41.25	0.03	55.25	0.02	69.25	0.01	83.25	0.01
41.50	0.03	55.50	0.02	69.50	0.01	83.50	0.01
41.75	0.03	55.75	0.02	69.75	0.01	83.75	0.01
42.00	0.03	56.00	0.02	70.00	0.01	84.00	0.01
42.25	0.03	56.25	0.02	70.25	0.01	84.25	0.01
42.50	0.03	56.50	0.02	70.50	0.01	84.50	0.01
42.75	0.03	56.75	0.02	70.75	0.01	84.75	0.01
43.00	0.03	57.00	0.02	71.00	0.01	85.00	0.01
43.25	0.03	57.25	0.02	71.25	0.01	85.25	0.01
43.50	0.03	57.50	0.02	71.50	0.01	85.50	0.01
43.75	0.03	57.75	0.02	71.75	0.01	85.75	0.01
44.00	0.03	58.00	0.02	72.00	0.01	86.00	0.01
44.25	0.03	58.25	0.02	72.25	0.01	86.25	0.01
44.50	0.03	58.50	0.02	72.50	0.01	86.50	0.01
44.75	0.03	58.75	0.02	72.75	0.01	86.75	0.01
45.00	0.03	59.00	0.01	73.00	0.01	87.00	0.01
45.25	0.03	59.25	0.01	73.25	0.01	87.25	0.01
45.50	0.03	59.50	0.01	73.50	0.01	87.50	0.01
45.75	0.02	59.75	0.01	73.75	0.01	87.75	0.01
46.00	0.02	60.00	0.01	74.00	0.01	88.00	0.01
46.25	0.02	60.25	0.01	74.25	0.01	88.25	0.01
46.50	0.02	60.50	0.01	74.50	0.01	88.50	0.01
46.75	0.02	60.75	0.01	74.75	0.01	88.75	0.01
47.00	0.02	61.00	0.01	75.00	0.01	89.00	0.01
47.25	0.02	61.25	0.01	75.25	0.01	89.25	0.01
47.50	0.02	61.50	0.01	75.50	0.01	89.50	0.01
47.75	0.02	61.75	0.01	75.75	0.01	89.75	0.01
48.00	0.02	62.00	0.01	76.00	0.01	90.00	0.01
48.25	0.02	62.25	0.01	76.25	0.01	90.25	0.01
48.50	0.02	62.50	0.01	76.50	0.01	90.50	0.01
48.75	0.02	62.75	0.01	76.75	0.01	90.75	0.01
49.00	0.02	63.00	0.01	77.00	0.01	91.00	0.01
49.25	0.02	63.25	0.01	77.25	0.01	91.25	0.01
49.50	0.02	63.50	0.01	77.50	0.01	91.50	0.01
49.75	0.02	63.75	0.01	77.75	0.01	91.75	0.01
50.00	0.02	64.00	0.01	78.00	0.01	92.00	0.01
50.25	0.02	64.25	0.01	78.25	0.01	92.25	0.01
50.50	0.02	64.50	0.01	78.50	0.01	92.50	0.01
50.75	0.02	64.75	0.01	78.75	0.01	92.75	0.01
51.00	0.02	65.00	0.01	79.00	0.01	93.00	0.01
51.25	0.02	65.25	0.01	79.25	0.01	93.25	0.01
51.50	0.02	65.50	0.01	79.50	0.01	93.50	0.01
51.75	0.02	65.75	0.01	79.75	0.01	93.75	0.01
52.00	0.02	66.00	0.01	80.00	0.01	94.00	0.01
52.25	0.02	66.25	0.01	80.25	0.01	94.25	0.01
52.50	0.02	66.50	0.01	80.50	0.01	94.50	0.01
52.75	0.02	66.75	0.01	80.75	0.01	94.75	0.01
53.00	0.02	67.00	0.01	81.00	0.01	95.00	0.01
53.25	0.02	67.25	0.01	81.25	0.01	95.25	0.01
53.50	0.02	67.50	0.01	81.50	0.01	95.50	0.01
53.75	0.02	67.75	0.01	81.75	0.01	95.75	0.01
54.00	0.02	68.00	0.01	82.00	0.01	96.00	0.01

Table 10 – 10%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 100% reflections)

Meters 1 Collector Meter

Time Avg: 20% % Reflection 100%

Distance where limits are exceeded			
FCC ft.	0.43	5.2	Inches
BioInitiative ft.	32.20	386.4	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	1657.53	10.25	0.99	20.25	0.25	30.25	0.11
0.50	414.38	10.50	0.94	20.50	0.25	30.50	0.11
0.75	184.17	10.75	0.90	20.75	0.24	30.75	0.11
1.00	103.60	11.00	0.86	21.00	0.23	31.00	0.11
1.25	66.30	11.25	0.82	21.25	0.23	31.25	0.11
1.50	46.04	11.50	0.78	21.50	0.22	31.50	0.10
1.75	33.83	11.75	0.75	21.75	0.22	31.75	0.10
2.00	25.90	12.00	0.72	22.00	0.21	32.00	0.10
2.25	20.46	12.25	0.69	22.25	0.21	32.25	0.10
2.50	16.58	12.50	0.66	22.50	0.20	32.50	0.10
2.75	13.70	12.75	0.64	22.75	0.20	32.75	0.10
3.00	11.51	13.00	0.61	23.00	0.20	33.00	0.10
3.25	9.81	13.25	0.59	23.25	0.19	33.25	0.09
3.50	8.46	13.50	0.57	23.50	0.19	33.50	0.09
3.75	7.37	13.75	0.55	23.75	0.18	33.75	0.09
4.00	6.47	14.00	0.53	24.00	0.18	34.00	0.09
4.25	5.74	14.25	0.51	24.25	0.18	34.25	0.09
4.50	5.12	14.50	0.49	24.50	0.17	34.50	0.09
4.75	4.59	14.75	0.48	24.75	0.17	34.75	0.09
5.00	4.14	15.00	0.46	25.00	0.17	35.00	0.08
5.25	3.76	15.25	0.45	25.25	0.16	35.25	0.08
5.50	3.42	15.50	0.43	25.50	0.16	35.50	0.08
5.75	3.13	15.75	0.42	25.75	0.16	35.75	0.08
6.00	2.88	16.00	0.40	26.00	0.15	36.00	0.08
6.25	2.65	16.25	0.39	26.25	0.15	36.25	0.08
6.50	2.45	16.50	0.38	26.50	0.15	36.50	0.08
6.75	2.27	16.75	0.37	26.75	0.14	36.75	0.08
7.00	2.11	17.00	0.36	27.00	0.14	37.00	0.08
7.25	1.97	17.25	0.35	27.25	0.14	37.25	0.07
7.50	1.84	17.50	0.34	27.50	0.14	37.50	0.07
7.75	1.72	17.75	0.33	27.75	0.13	37.75	0.07
8.00	1.62	18.00	0.32	28.00	0.13	38.00	0.07
8.25	1.52	18.25	0.31	28.25	0.13	38.25	0.07
8.50	1.43	18.50	0.30	28.50	0.13	38.50	0.07
8.75	1.35	18.75	0.29	28.75	0.13	38.75	0.07
9.00	1.28	19.00	0.29	29.00	0.12	39.00	0.07
9.25	1.21	19.25	0.28	29.25	0.12	39.25	0.07
9.50	1.15	19.50	0.27	29.50	0.12	39.50	0.07
9.75	1.09	19.75	0.27	29.75	0.12	39.75	0.07
10.00	1.04	20.00	0.26	30.00	0.12	40.00	0.06

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 10 – 20%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 100% reflections)

Meters 1 Collector Meter

Time Avg: 20% % Reflection 100%

Distance where limits are exceeded			
FCC ft.	0.43	5.16	Inches
BioInitiative ft.	32.20	386.40	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.06	54.25	0.04	68.25	0.02	82.25	0.02
40.50	0.06	54.50	0.03	68.50	0.02	82.50	0.02
40.75	0.06	54.75	0.03	68.75	0.02	82.75	0.02
41.00	0.06	55.00	0.03	69.00	0.02	83.00	0.02
41.25	0.06	55.25	0.03	69.25	0.02	83.25	0.01
41.50	0.06	55.50	0.03	69.50	0.02	83.50	0.01
41.75	0.06	55.75	0.03	69.75	0.02	83.75	0.01
42.00	0.06	56.00	0.03	70.00	0.02	84.00	0.01
42.25	0.06	56.25	0.03	70.25	0.02	84.25	0.01
42.50	0.06	56.50	0.03	70.50	0.02	84.50	0.01
42.75	0.06	56.75	0.03	70.75	0.02	84.75	0.01
43.00	0.06	57.00	0.03	71.00	0.02	85.00	0.01
43.25	0.06	57.25	0.03	71.25	0.02	85.25	0.01
43.50	0.05	57.50	0.03	71.50	0.02	85.50	0.01
43.75	0.05	57.75	0.03	71.75	0.02	85.75	0.01
44.00	0.05	58.00	0.03	72.00	0.02	86.00	0.01
44.25	0.05	58.25	0.03	72.25	0.02	86.25	0.01
44.50	0.05	58.50	0.03	72.50	0.02	86.50	0.01
44.75	0.05	58.75	0.03	72.75	0.02	86.75	0.01
45.00	0.05	59.00	0.03	73.00	0.02	87.00	0.01
45.25	0.05	59.25	0.03	73.25	0.02	87.25	0.01
45.50	0.05	59.50	0.03	73.50	0.02	87.50	0.01
45.75	0.05	59.75	0.03	73.75	0.02	87.75	0.01
46.00	0.05	60.00	0.03	74.00	0.02	88.00	0.01
46.25	0.05	60.25	0.03	74.25	0.02	88.25	0.01
46.50	0.05	60.50	0.03	74.50	0.02	88.50	0.01
46.75	0.05	60.75	0.03	74.75	0.02	88.75	0.01
47.00	0.05	61.00	0.03	75.00	0.02	89.00	0.01
47.25	0.05	61.25	0.03	75.25	0.02	89.25	0.01
47.50	0.05	61.50	0.03	75.50	0.02	89.50	0.01
47.75	0.05	61.75	0.03	75.75	0.02	89.75	0.01
48.00	0.04	62.00	0.03	76.00	0.02	90.00	0.01
48.25	0.04	62.25	0.03	76.25	0.02	90.25	0.01
48.50	0.04	62.50	0.03	76.50	0.02	90.50	0.01
48.75	0.04	62.75	0.03	76.75	0.02	90.75	0.01
49.00	0.04	63.00	0.03	77.00	0.02	91.00	0.01
49.25	0.04	63.25	0.03	77.25	0.02	91.25	0.01
49.50	0.04	63.50	0.03	77.50	0.02	91.50	0.01
49.75	0.04	63.75	0.03	77.75	0.02	91.75	0.01
50.00	0.04	64.00	0.03	78.00	0.02	92.00	0.01
50.25	0.04	64.25	0.03	78.25	0.02	92.25	0.01
50.50	0.04	64.50	0.02	78.50	0.02	92.50	0.01
50.75	0.04	64.75	0.02	78.75	0.02	92.75	0.01
51.00	0.04	65.00	0.02	79.00	0.02	93.00	0.01
51.25	0.04	65.25	0.02	79.25	0.02	93.25	0.01
51.50	0.04	65.50	0.02	79.50	0.02	93.50	0.01
51.75	0.04	65.75	0.02	79.75	0.02	93.75	0.01
52.00	0.04	66.00	0.02	80.00	0.02	94.00	0.01
52.25	0.04	66.25	0.02	80.25	0.02	94.25	0.01
52.50	0.04	66.50	0.02	80.50	0.02	94.50	0.01
52.75	0.04	66.75	0.02	80.75	0.02	94.75	0.01
53.00	0.04	67.00	0.02	81.00	0.02	95.00	0.01
53.25	0.04	67.25	0.02	81.25	0.02	95.25	0.01
53.50	0.04	67.50	0.02	81.50	0.02	95.50	0.01
53.75	0.04	67.75	0.02	81.75	0.02	95.75	0.01
54.00	0.04	68.00	0.02	82.00	0.02	96.00	0.01

Table 10 – 20%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 100% reflections)

Meters 1 Collector Meter

Time Avg: 30% % Reflection 100%

Distance where limits are exceeded			
FCC ft.	0.53	6.3	Inches
BioInitiative ft.	39.50	474.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	2486.30	10.25	1.48	20.25	0.38	30.25	0.17
0.50	621.58	10.50	1.41	20.50	0.37	30.50	0.17
0.75	276.26	10.75	1.34	20.75	0.36	30.75	0.16
1.00	155.39	11.00	1.28	21.00	0.35	31.00	0.16
1.25	99.45	11.25	1.23	21.25	0.34	31.25	0.16
1.50	69.06	11.50	1.18	21.50	0.34	31.50	0.16
1.75	50.74	11.75	1.13	21.75	0.33	31.75	0.15
2.00	38.85	12.00	1.08	22.00	0.32	32.00	0.15
2.25	30.70	12.25	1.04	22.25	0.31	32.25	0.15
2.50	24.86	12.50	0.99	22.50	0.31	32.50	0.15
2.75	20.55	12.75	0.96	22.75	0.30	32.75	0.14
3.00	17.27	13.00	0.92	23.00	0.29	33.00	0.14
3.25	14.71	13.25	0.89	23.25	0.29	33.25	0.14
3.50	12.69	13.50	0.85	23.50	0.28	33.50	0.14
3.75	11.05	13.75	0.82	23.75	0.28	33.75	0.14
4.00	9.71	14.00	0.79	24.00	0.27	34.00	0.13
4.25	8.60	14.25	0.77	24.25	0.26	34.25	0.13
4.50	7.67	14.50	0.74	24.50	0.26	34.50	0.13
4.75	6.89	14.75	0.71	24.75	0.25	34.75	0.13
5.00	6.22	15.00	0.69	25.00	0.25	35.00	0.13
5.25	5.64	15.25	0.67	25.25	0.24	35.25	0.13
5.50	5.14	15.50	0.65	25.50	0.24	35.50	0.12
5.75	4.70	15.75	0.63	25.75	0.23	35.75	0.12
6.00	4.32	16.00	0.61	26.00	0.23	36.00	0.12
6.25	3.98	16.25	0.59	26.25	0.23	36.25	0.12
6.50	3.68	16.50	0.57	26.50	0.22	36.50	0.12
6.75	3.41	16.75	0.55	26.75	0.22	36.75	0.12
7.00	3.17	17.00	0.54	27.00	0.21	37.00	0.11
7.25	2.96	17.25	0.52	27.25	0.21	37.25	0.11
7.50	2.76	17.50	0.51	27.50	0.21	37.50	0.11
7.75	2.59	17.75	0.49	27.75	0.20	37.75	0.11
8.00	2.43	18.00	0.48	28.00	0.20	38.00	0.11
8.25	2.28	18.25	0.47	28.25	0.19	38.25	0.11
8.50	2.15	18.50	0.45	28.50	0.19	38.50	0.10
8.75	2.03	18.75	0.44	28.75	0.19	38.75	0.10
9.00	1.92	19.00	0.43	29.00	0.18	39.00	0.10
9.25	1.82	19.25	0.42	29.25	0.18	39.25	0.10
9.50	1.72	19.50	0.41	29.50	0.18	39.50	0.10
9.75	1.63	19.75	0.40	29.75	0.18	39.75	0.10
10.00	1.55	20.00	0.39	30.00	0.17	40.00	0.10

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 10 – 30%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 100% reflections)

Meters 1 Collector Meter

Time Avg: 30% % Reflection 100%

Distance where limits are exceeded			
FCC ft.	0.53	6.32	Inches
BioInitiative ft.	39.50	474.00	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.10	54.25	0.05	68.25	0.03	82.25	0.02
40.50	0.09	54.50	0.05	68.50	0.03	82.50	0.02
40.75	0.09	54.75	0.05	68.75	0.03	82.75	0.02
41.00	0.09	55.00	0.05	69.00	0.03	83.00	0.02
41.25	0.09	55.25	0.05	69.25	0.03	83.25	0.02
41.50	0.09	55.50	0.05	69.50	0.03	83.50	0.02
41.75	0.09	55.75	0.05	69.75	0.03	83.75	0.02
42.00	0.09	56.00	0.05	70.00	0.03	84.00	0.02
42.25	0.09	56.25	0.05	70.25	0.03	84.25	0.02
42.50	0.09	56.50	0.05	70.50	0.03	84.50	0.02
42.75	0.09	56.75	0.05	70.75	0.03	84.75	0.02
43.00	0.08	57.00	0.05	71.00	0.03	85.00	0.02
43.25	0.08	57.25	0.05	71.25	0.03	85.25	0.02
43.50	0.08	57.50	0.05	71.50	0.03	85.50	0.02
43.75	0.08	57.75	0.05	71.75	0.03	85.75	0.02
44.00	0.08	58.00	0.05	72.00	0.03	86.00	0.02
44.25	0.08	58.25	0.05	72.25	0.03	86.25	0.02
44.50	0.08	58.50	0.05	72.50	0.03	86.50	0.02
44.75	0.08	58.75	0.05	72.75	0.03	86.75	0.02
45.00	0.08	59.00	0.04	73.00	0.03	87.00	0.02
45.25	0.08	59.25	0.04	73.25	0.03	87.25	0.02
45.50	0.08	59.50	0.04	73.50	0.03	87.50	0.02
45.75	0.07	59.75	0.04	73.75	0.03	87.75	0.02
46.00	0.07	60.00	0.04	74.00	0.03	88.00	0.02
46.25	0.07	60.25	0.04	74.25	0.03	88.25	0.02
46.50	0.07	60.50	0.04	74.50	0.03	88.50	0.02
46.75	0.07	60.75	0.04	74.75	0.03	88.75	0.02
47.00	0.07	61.00	0.04	75.00	0.03	89.00	0.02
47.25	0.07	61.25	0.04	75.25	0.03	89.25	0.02
47.50	0.07	61.50	0.04	75.50	0.03	89.50	0.02
47.75	0.07	61.75	0.04	75.75	0.03	89.75	0.02
48.00	0.07	62.00	0.04	76.00	0.03	90.00	0.02
48.25	0.07	62.25	0.04	76.25	0.03	90.25	0.02
48.50	0.07	62.50	0.04	76.50	0.03	90.50	0.02
48.75	0.07	62.75	0.04	76.75	0.03	90.75	0.02
49.00	0.06	63.00	0.04	77.00	0.03	91.00	0.02
49.25	0.06	63.25	0.04	77.25	0.03	91.25	0.02
49.50	0.06	63.50	0.04	77.50	0.03	91.50	0.02
49.75	0.06	63.75	0.04	77.75	0.03	91.75	0.02
50.00	0.06	64.00	0.04	78.00	0.03	92.00	0.02
50.25	0.06	64.25	0.04	78.25	0.03	92.25	0.02
50.50	0.06	64.50	0.04	78.50	0.03	92.50	0.02
50.75	0.06	64.75	0.04	78.75	0.03	92.75	0.02
51.00	0.06	65.00	0.04	79.00	0.02	93.00	0.02
51.25	0.06	65.25	0.04	79.25	0.02	93.25	0.02
51.50	0.06	65.50	0.04	79.50	0.02	93.50	0.02
51.75	0.06	65.75	0.04	79.75	0.02	93.75	0.02
52.00	0.06	66.00	0.04	80.00	0.02	94.00	0.02
52.25	0.06	66.25	0.04	80.25	0.02	94.25	0.02
52.50	0.06	66.50	0.04	80.50	0.02	94.50	0.02
52.75	0.06	66.75	0.03	80.75	0.02	94.75	0.02
53.00	0.06	67.00	0.03	81.00	0.02	95.00	0.02
53.25	0.05	67.25	0.03	81.25	0.02	95.25	0.02
53.50	0.05	67.50	0.03	81.50	0.02	95.50	0.02
53.75	0.05	67.75	0.03	81.75	0.02	95.75	0.02
54.00	0.05	68.00	0.03	82.00	0.02	96.00	0.02

Table 10 – 30%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 100% reflections)

Meters 1 Collector Meter

Time Avg: 40% % Reflection 100%

Distance where limits are exceeded			
FCC ft.	0.61	7.3	Inches
BioInitiative ft.	45.50	546.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	3315.07	10.25	1.97	20.25	0.51	30.25	0.23
0.50	828.77	10.50	1.88	20.50	0.49	30.50	0.22
0.75	368.34	10.75	1.79	20.75	0.48	30.75	0.22
1.00	207.19	11.00	1.71	21.00	0.47	31.00	0.22
1.25	132.60	11.25	1.64	21.25	0.46	31.25	0.21
1.50	92.09	11.50	1.57	21.50	0.45	31.50	0.21
1.75	67.65	11.75	1.50	21.75	0.44	31.75	0.21
2.00	51.80	12.00	1.44	22.00	0.43	32.00	0.20
2.25	40.93	12.25	1.38	22.25	0.42	32.25	0.20
2.50	33.15	12.50	1.33	22.50	0.41	32.50	0.20
2.75	27.40	12.75	1.27	22.75	0.40	32.75	0.19
3.00	23.02	13.00	1.23	23.00	0.39	33.00	0.19
3.25	19.62	13.25	1.18	23.25	0.38	33.25	0.19
3.50	16.91	13.50	1.14	23.50	0.38	33.50	0.18
3.75	14.73	13.75	1.10	23.75	0.37	33.75	0.18
4.00	12.95	14.00	1.06	24.00	0.36	34.00	0.18
4.25	11.47	14.25	1.02	24.25	0.35	34.25	0.18
4.50	10.23	14.50	0.99	24.50	0.35	34.50	0.17
4.75	9.18	14.75	0.95	24.75	0.34	34.75	0.17
5.00	8.29	15.00	0.92	25.00	0.33	35.00	0.17
5.25	7.52	15.25	0.89	25.25	0.32	35.25	0.17
5.50	6.85	15.50	0.86	25.50	0.32	35.50	0.16
5.75	6.27	15.75	0.84	25.75	0.31	35.75	0.16
6.00	5.76	16.00	0.81	26.00	0.31	36.00	0.16
6.25	5.30	16.25	0.78	26.25	0.30	36.25	0.16
6.50	4.90	16.50	0.76	26.50	0.30	36.50	0.16
6.75	4.55	16.75	0.74	26.75	0.29	36.75	0.15
7.00	4.23	17.00	0.72	27.00	0.28	37.00	0.15
7.25	3.94	17.25	0.70	27.25	0.28	37.25	0.15
7.50	3.68	17.50	0.68	27.50	0.27	37.50	0.15
7.75	3.45	17.75	0.66	27.75	0.27	37.75	0.15
8.00	3.24	18.00	0.64	28.00	0.26	38.00	0.14
8.25	3.04	18.25	0.62	28.25	0.26	38.25	0.14
8.50	2.87	18.50	0.61	28.50	0.26	38.50	0.14
8.75	2.71	18.75	0.59	28.75	0.25	38.75	0.14
9.00	2.56	19.00	0.57	29.00	0.25	39.00	0.14
9.25	2.42	19.25	0.56	29.25	0.24	39.25	0.13
9.50	2.30	19.50	0.54	29.50	0.24	39.50	0.13
9.75	2.18	19.75	0.53	29.75	0.23	39.75	0.13
10.00	2.07	20.00	0.52	30.00	0.23	40.00	0.13

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 10 – 40%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 100% reflections)

Meters 1 Collector Meter

Time Avg: 40% % Reflection 100%

Distance where limits are exceeded			
FCC ft. 0.61		7.29 Inches	
BioInitiative ft. 45.50		546.00 Inches	

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.13	54.25	0.07	68.25	0.04	82.25	0.03
40.50	0.13	54.50	0.07	68.50	0.04	82.50	0.03
40.75	0.12	54.75	0.07	68.75	0.04	82.75	0.03
41.00	0.12	55.00	0.07	69.00	0.04	83.00	0.03
41.25	0.12	55.25	0.07	69.25	0.04	83.25	0.03
41.50	0.12	55.50	0.07	69.50	0.04	83.50	0.03
41.75	0.12	55.75	0.07	69.75	0.04	83.75	0.03
42.00	0.12	56.00	0.07	70.00	0.04	84.00	0.03
42.25	0.12	56.25	0.07	70.25	0.04	84.25	0.03
42.50	0.11	56.50	0.06	70.50	0.04	84.50	0.03
42.75	0.11	56.75	0.06	70.75	0.04	84.75	0.03
43.00	0.11	57.00	0.06	71.00	0.04	85.00	0.03
43.25	0.11	57.25	0.06	71.25	0.04	85.25	0.03
43.50	0.11	57.50	0.06	71.50	0.04	85.50	0.03
43.75	0.11	57.75	0.06	71.75	0.04	85.75	0.03
44.00	0.11	58.00	0.06	72.00	0.04	86.00	0.03
44.25	0.11	58.25	0.06	72.25	0.04	86.25	0.03
44.50	0.10	58.50	0.06	72.50	0.04	86.50	0.03
44.75	0.10	58.75	0.06	72.75	0.04	86.75	0.03
45.00	0.10	59.00	0.06	73.00	0.04	87.00	0.03
45.25	0.10	59.25	0.06	73.25	0.04	87.25	0.03
45.50	0.10	59.50	0.06	73.50	0.04	87.50	0.03
45.75	0.10	59.75	0.06	73.75	0.04	87.75	0.03
46.00	0.10	60.00	0.06	74.00	0.04	88.00	0.03
46.25	0.10	60.25	0.06	74.25	0.04	88.25	0.03
46.50	0.10	60.50	0.06	74.50	0.04	88.50	0.03
46.75	0.09	60.75	0.06	74.75	0.04	88.75	0.03
47.00	0.09	61.00	0.06	75.00	0.04	89.00	0.03
47.25	0.09	61.25	0.06	75.25	0.04	89.25	0.03
47.50	0.09	61.50	0.05	75.50	0.04	89.50	0.03
47.75	0.09	61.75	0.05	75.75	0.04	89.75	0.03
48.00	0.09	62.00	0.05	76.00	0.04	90.00	0.03
48.25	0.09	62.25	0.05	76.25	0.04	90.25	0.03
48.50	0.09	62.50	0.05	76.50	0.04	90.50	0.03
48.75	0.09	62.75	0.05	76.75	0.04	90.75	0.03
49.00	0.09	63.00	0.05	77.00	0.03	91.00	0.03
49.25	0.09	63.25	0.05	77.25	0.03	91.25	0.02
49.50	0.08	63.50	0.05	77.50	0.03	91.50	0.02
49.75	0.08	63.75	0.05	77.75	0.03	91.75	0.02
50.00	0.08	64.00	0.05	78.00	0.03	92.00	0.02
50.25	0.08	64.25	0.05	78.25	0.03	92.25	0.02
50.50	0.08	64.50	0.05	78.50	0.03	92.50	0.02
50.75	0.08	64.75	0.05	78.75	0.03	92.75	0.02
51.00	0.08	65.00	0.05	79.00	0.03	93.00	0.02
51.25	0.08	65.25	0.05	79.25	0.03	93.25	0.02
51.50	0.08	65.50	0.05	79.50	0.03	93.50	0.02
51.75	0.08	65.75	0.05	79.75	0.03	93.75	0.02
52.00	0.08	66.00	0.05	80.00	0.03	94.00	0.02
52.25	0.08	66.25	0.05	80.25	0.03	94.25	0.02
52.50	0.08	66.50	0.05	80.50	0.03	94.50	0.02
52.75	0.07	66.75	0.05	80.75	0.03	94.75	0.02
53.00	0.07	67.00	0.05	81.00	0.03	95.00	0.02
53.25	0.07	67.25	0.05	81.25	0.03	95.25	0.02
53.50	0.07	67.50	0.05	81.50	0.03	95.50	0.02
53.75	0.07	67.75	0.05	81.75	0.03	95.75	0.02
54.00	0.07	68.00	0.04	82.00	0.03	96.00	0.02

Table 10 – 40%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 100% reflections)

Meters 1 Collector Meter

Time Avg: 50% % Reflection 100%

Distance where limits are exceeded			
FCC ft.	0.68	8.2	Inches
BioInitiative ft.	51.00	612.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	4143.83	10.25	2.47	20.25	0.63	30.25	0.28
0.50	1035.96	10.50	2.35	20.50	0.62	30.50	0.28
0.75	460.43	10.75	2.24	20.75	0.60	30.75	0.27
1.00	258.99	11.00	2.14	21.00	0.59	31.00	0.27
1.25	165.75	11.25	2.05	21.25	0.57	31.25	0.27
1.50	115.11	11.50	1.96	21.50	0.56	31.50	0.26
1.75	84.57	11.75	1.88	21.75	0.55	31.75	0.26
2.00	64.75	12.00	1.80	22.00	0.54	32.00	0.25
2.25	51.16	12.25	1.73	22.25	0.52	32.25	0.25
2.50	41.44	12.50	1.66	22.50	0.51	32.50	0.25
2.75	34.25	12.75	1.59	22.75	0.50	32.75	0.24
3.00	28.78	13.00	1.53	23.00	0.49	33.00	0.24
3.25	24.52	13.25	1.48	23.25	0.48	33.25	0.23
3.50	21.14	13.50	1.42	23.50	0.47	33.50	0.23
3.75	18.42	13.75	1.37	23.75	0.46	33.75	0.23
4.00	16.19	14.00	1.32	24.00	0.45	34.00	0.22
4.25	14.34	14.25	1.28	24.25	0.44	34.25	0.22
4.50	12.79	14.50	1.23	24.50	0.43	34.50	0.22
4.75	11.48	14.75	1.19	24.75	0.42	34.75	0.21
5.00	10.36	15.00	1.15	25.00	0.41	35.00	0.21
5.25	9.40	15.25	1.11	25.25	0.41	35.25	0.21
5.50	8.56	15.50	1.08	25.50	0.40	35.50	0.21
5.75	7.83	15.75	1.04	25.75	0.39	35.75	0.20
6.00	7.19	16.00	1.01	26.00	0.38	36.00	0.20
6.25	6.63	16.25	0.98	26.25	0.38	36.25	0.20
6.50	6.13	16.50	0.95	26.50	0.37	36.50	0.19
6.75	5.68	16.75	0.92	26.75	0.36	36.75	0.19
7.00	5.29	17.00	0.90	27.00	0.36	37.00	0.19
7.25	4.93	17.25	0.87	27.25	0.35	37.25	0.19
7.50	4.60	17.50	0.85	27.50	0.34	37.50	0.18
7.75	4.31	17.75	0.82	27.75	0.34	37.75	0.18
8.00	4.05	18.00	0.80	28.00	0.33	38.00	0.18
8.25	3.81	18.25	0.78	28.25	0.32	38.25	0.18
8.50	3.58	18.50	0.76	28.50	0.32	38.50	0.17
8.75	3.38	18.75	0.74	28.75	0.31	38.75	0.17
9.00	3.20	19.00	0.72	29.00	0.31	39.00	0.17
9.25	3.03	19.25	0.70	29.25	0.30	39.25	0.17
9.50	2.87	19.50	0.68	29.50	0.30	39.50	0.17
9.75	2.72	19.75	0.66	29.75	0.29	39.75	0.16
10.00	2.59	20.00	0.65	30.00	0.29	40.00	0.16

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 10 – 50%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 100% reflections)

Meters 1 Collector Meter

Time Avg: 50% % Reflection 100%

Distance where limits are exceeded

FCC ft. 0.68 8.16 Inches

BioInitiative ft. 51.00 612.00 Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.16	54.25	0.09	68.25	0.06	82.25	0.04
40.50	0.16	54.50	0.09	68.50	0.06	82.50	0.04
40.75	0.16	54.75	0.09	68.75	0.05	82.75	0.04
41.00	0.15	55.00	0.09	69.00	0.05	83.00	0.04
41.25	0.15	55.25	0.08	69.25	0.05	83.25	0.04
41.50	0.15	55.50	0.08	69.50	0.05	83.50	0.04
41.75	0.15	55.75	0.08	69.75	0.05	83.75	0.04
42.00	0.15	56.00	0.08	70.00	0.05	84.00	0.04
42.25	0.15	56.25	0.08	70.25	0.05	84.25	0.04
42.50	0.14	56.50	0.08	70.50	0.05	84.50	0.04
42.75	0.14	56.75	0.08	70.75	0.05	84.75	0.04
43.00	0.14	57.00	0.08	71.00	0.05	85.00	0.04
43.25	0.14	57.25	0.08	71.25	0.05	85.25	0.04
43.50	0.14	57.50	0.08	71.50	0.05	85.50	0.04
43.75	0.14	57.75	0.08	71.75	0.05	85.75	0.04
44.00	0.13	58.00	0.08	72.00	0.05	86.00	0.04
44.25	0.13	58.25	0.08	72.25	0.05	86.25	0.03
44.50	0.13	58.50	0.08	72.50	0.05	86.50	0.03
44.75	0.13	58.75	0.08	72.75	0.05	86.75	0.03
45.00	0.13	59.00	0.07	73.00	0.05	87.00	0.03
45.25	0.13	59.25	0.07	73.25	0.05	87.25	0.03
45.50	0.13	59.50	0.07	73.50	0.05	87.50	0.03
45.75	0.12	59.75	0.07	73.75	0.05	87.75	0.03
46.00	0.12	60.00	0.07	74.00	0.05	88.00	0.03
46.25	0.12	60.25	0.07	74.25	0.05	88.25	0.03
46.50	0.12	60.50	0.07	74.50	0.05	88.50	0.03
46.75	0.12	60.75	0.07	74.75	0.05	88.75	0.03
47.00	0.12	61.00	0.07	75.00	0.05	89.00	0.03
47.25	0.12	61.25	0.07	75.25	0.05	89.25	0.03
47.50	0.11	61.50	0.07	75.50	0.05	89.50	0.03
47.75	0.11	61.75	0.07	75.75	0.05	89.75	0.03
48.00	0.11	62.00	0.07	76.00	0.04	90.00	0.03
48.25	0.11	62.25	0.07	76.25	0.04	90.25	0.03
48.50	0.11	62.50	0.07	76.50	0.04	90.50	0.03
48.75	0.11	62.75	0.07	76.75	0.04	90.75	0.03
49.00	0.11	63.00	0.07	77.00	0.04	91.00	0.03
49.25	0.11	63.25	0.06	77.25	0.04	91.25	0.03
49.50	0.11	63.50	0.06	77.50	0.04	91.50	0.03
49.75	0.10	63.75	0.06	77.75	0.04	91.75	0.03
50.00	0.10	64.00	0.06	78.00	0.04	92.00	0.03
50.25	0.10	64.25	0.06	78.25	0.04	92.25	0.03
50.50	0.10	64.50	0.06	78.50	0.04	92.50	0.03
50.75	0.10	64.75	0.06	78.75	0.04	92.75	0.03
51.00	0.10	65.00	0.06	79.00	0.04	93.00	0.03
51.25	0.10	65.25	0.06	79.25	0.04	93.25	0.03
51.50	0.10	65.50	0.06	79.50	0.04	93.50	0.03
51.75	0.10	65.75	0.06	79.75	0.04	93.75	0.03
52.00	0.10	66.00	0.06	80.00	0.04	94.00	0.03
52.25	0.09	66.25	0.06	80.25	0.04	94.25	0.03
52.50	0.09	66.50	0.06	80.50	0.04	94.50	0.03
52.75	0.09	66.75	0.06	80.75	0.04	94.75	0.03
53.00	0.09	67.00	0.06	81.00	0.04	95.00	0.03
53.25	0.09	67.25	0.06	81.25	0.04	95.25	0.03
53.50	0.09	67.50	0.06	81.50	0.04	95.50	0.03
53.75	0.09	67.75	0.06	81.75	0.04	95.75	0.03
54.00	0.09	68.00	0.06	82.00	0.04	96.00	0.03

Table 10 – 50%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 100% reflections)

Meters 1 Collector Meter

Time Avg: 60% % Reflection 100%

Distance where limits are exceeded			
FCC ft.	0.74	8.9	Inches
BioInitiative ft.	55.70	668.4	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	4972.60	10.25	2.96	20.25	0.76	30.25	0.34
0.50	1243.15	10.50	2.82	20.50	0.74	30.50	0.33
0.75	552.51	10.75	2.69	20.75	0.72	30.75	0.33
1.00	310.79	11.00	2.57	21.00	0.70	31.00	0.32
1.25	198.90	11.25	2.46	21.25	0.69	31.25	0.32
1.50	138.13	11.50	2.35	21.50	0.67	31.50	0.31
1.75	101.48	11.75	2.25	21.75	0.66	31.75	0.31
2.00	77.70	12.00	2.16	22.00	0.64	32.00	0.30
2.25	61.39	12.25	2.07	22.25	0.63	32.25	0.30
2.50	49.73	12.50	1.99	22.50	0.61	32.50	0.29
2.75	41.10	12.75	1.91	22.75	0.60	32.75	0.29
3.00	34.53	13.00	1.84	23.00	0.59	33.00	0.29
3.25	29.42	13.25	1.77	23.25	0.57	33.25	0.28
3.50	25.37	13.50	1.71	23.50	0.56	33.50	0.28
3.75	22.10	13.75	1.64	23.75	0.55	33.75	0.27
4.00	19.42	14.00	1.59	24.00	0.54	34.00	0.27
4.25	17.21	14.25	1.53	24.25	0.53	34.25	0.26
4.50	15.35	14.50	1.48	24.50	0.52	34.50	0.26
4.75	13.77	14.75	1.43	24.75	0.51	34.75	0.26
5.00	12.43	15.00	1.38	25.00	0.50	35.00	0.25
5.25	11.28	15.25	1.34	25.25	0.49	35.25	0.25
5.50	10.27	15.50	1.29	25.50	0.48	35.50	0.25
5.75	9.40	15.75	1.25	25.75	0.47	35.75	0.24
6.00	8.63	16.00	1.21	26.00	0.46	36.00	0.24
6.25	7.96	16.25	1.18	26.25	0.45	36.25	0.24
6.50	7.36	16.50	1.14	26.50	0.44	36.50	0.23
6.75	6.82	16.75	1.11	26.75	0.43	36.75	0.23
7.00	6.34	17.00	1.08	27.00	0.43	37.00	0.23
7.25	5.91	17.25	1.04	27.25	0.42	37.25	0.22
7.50	5.53	17.50	1.01	27.50	0.41	37.50	0.22
7.75	5.17	17.75	0.99	27.75	0.40	37.75	0.22
8.00	4.86	18.00	0.96	28.00	0.40	38.00	0.22
8.25	4.57	18.25	0.93	28.25	0.39	38.25	0.21
8.50	4.30	18.50	0.91	28.50	0.38	38.50	0.21
8.75	4.06	18.75	0.88	28.75	0.38	38.75	0.21
9.00	3.84	19.00	0.86	29.00	0.37	39.00	0.20
9.25	3.63	19.25	0.84	29.25	0.36	39.25	0.20
9.50	3.44	19.50	0.82	29.50	0.36	39.50	0.20
9.75	3.27	19.75	0.80	29.75	0.35	39.75	0.20
10.00	3.11	20.00	0.78	30.00	0.35	40.00	0.19

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 10 – 60%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 100% reflections)

Meters 1 Collector Meter

Time Avg: 60% % Reflection 100%

Distance where limits are exceeded			
FCC ft. 0.74		8.93 Inches	
BioInitiative ft. 55.70		668.40 Inches	

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.19	54.25	0.11	68.25	0.07	82.25	0.05
40.50	0.19	54.50	0.10	68.50	0.07	82.50	0.05
40.75	0.19	54.75	0.10	68.75	0.07	82.75	0.05
41.00	0.18	55.00	0.10	69.00	0.07	83.00	0.05
41.25	0.18	55.25	0.10	69.25	0.06	83.25	0.04
41.50	0.18	55.50	0.10	69.50	0.06	83.50	0.04
41.75	0.18	55.75	0.10	69.75	0.06	83.75	0.04
42.00	0.18	56.00	0.10	70.00	0.06	84.00	0.04
42.25	0.17	56.25	0.10	70.25	0.06	84.25	0.04
42.50	0.17	56.50	0.10	70.50	0.06	84.50	0.04
42.75	0.17	56.75	0.10	70.75	0.06	84.75	0.04
43.00	0.17	57.00	0.10	71.00	0.06	85.00	0.04
43.25	0.17	57.25	0.09	71.25	0.06	85.25	0.04
43.50	0.16	57.50	0.09	71.50	0.06	85.50	0.04
43.75	0.16	57.75	0.09	71.75	0.06	85.75	0.04
44.00	0.16	58.00	0.09	72.00	0.06	86.00	0.04
44.25	0.16	58.25	0.09	72.25	0.06	86.25	0.04
44.50	0.16	58.50	0.09	72.50	0.06	86.50	0.04
44.75	0.16	58.75	0.09	72.75	0.06	86.75	0.04
45.00	0.15	59.00	0.09	73.00	0.06	87.00	0.04
45.25	0.15	59.25	0.09	73.25	0.06	87.25	0.04
45.50	0.15	59.50	0.09	73.50	0.06	87.50	0.04
45.75	0.15	59.75	0.09	73.75	0.06	87.75	0.04
46.00	0.15	60.00	0.09	74.00	0.06	88.00	0.04
46.25	0.15	60.25	0.09	74.25	0.06	88.25	0.04
46.50	0.14	60.50	0.08	74.50	0.06	88.50	0.04
46.75	0.14	60.75	0.08	74.75	0.06	88.75	0.04
47.00	0.14	61.00	0.08	75.00	0.06	89.00	0.04
47.25	0.14	61.25	0.08	75.25	0.05	89.25	0.04
47.50	0.14	61.50	0.08	75.50	0.05	89.50	0.04
47.75	0.14	61.75	0.08	75.75	0.05	89.75	0.04
48.00	0.13	62.00	0.08	76.00	0.05	90.00	0.04
48.25	0.13	62.25	0.08	76.25	0.05	90.25	0.04
48.50	0.13	62.50	0.08	76.50	0.05	90.50	0.04
48.75	0.13	62.75	0.08	76.75	0.05	90.75	0.04
49.00	0.13	63.00	0.08	77.00	0.05	91.00	0.04
49.25	0.13	63.25	0.08	77.25	0.05	91.25	0.04
49.50	0.13	63.50	0.08	77.50	0.05	91.50	0.04
49.75	0.13	63.75	0.08	77.75	0.05	91.75	0.04
50.00	0.12	64.00	0.08	78.00	0.05	92.00	0.04
50.25	0.12	64.25	0.08	78.25	0.05	92.25	0.04
50.50	0.12	64.50	0.07	78.50	0.05	92.50	0.04
50.75	0.12	64.75	0.07	78.75	0.05	92.75	0.04
51.00	0.12	65.00	0.07	79.00	0.05	93.00	0.04
51.25	0.12	65.25	0.07	79.25	0.05	93.25	0.04
51.50	0.12	65.50	0.07	79.50	0.05	93.50	0.04
51.75	0.12	65.75	0.07	79.75	0.05	93.75	0.04
52.00	0.11	66.00	0.07	80.00	0.05	94.00	0.04
52.25	0.11	66.25	0.07	80.25	0.05	94.25	0.03
52.50	0.11	66.50	0.07	80.50	0.05	94.50	0.03
52.75	0.11	66.75	0.07	80.75	0.05	94.75	0.03
53.00	0.11	67.00	0.07	81.00	0.05	95.00	0.03
53.25	0.11	67.25	0.07	81.25	0.05	95.25	0.03
53.50	0.11	67.50	0.07	81.50	0.05	95.50	0.03
53.75	0.11	67.75	0.07	81.75	0.05	95.75	0.03
54.00	0.11	68.00	0.07	82.00	0.05	96.00	0.03

Table 10 – 60%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 100% reflections)

Meters 1 Collector Meter

Time Avg: 70% % Reflection 100%

Distance where limits are exceeded			
FCC ft.	0.80	9.6	Inches
BioInitiative ft.	60.30	723.6	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	5801.37	10.25	3.45	20.25	0.88	30.25	0.40
0.50	1450.34	10.50	3.29	20.50	0.86	30.50	0.39
0.75	644.60	10.75	3.14	20.75	0.84	30.75	0.38
1.00	362.59	11.00	3.00	21.00	0.82	31.00	0.38
1.25	232.05	11.25	2.86	21.25	0.80	31.25	0.37
1.50	161.15	11.50	2.74	21.50	0.78	31.50	0.37
1.75	118.40	11.75	2.63	21.75	0.77	31.75	0.36
2.00	90.65	12.00	2.52	22.00	0.75	32.00	0.35
2.25	71.62	12.25	2.42	22.25	0.73	32.25	0.35
2.50	58.01	12.50	2.32	22.50	0.72	32.50	0.34
2.75	47.95	12.75	2.23	22.75	0.70	32.75	0.34
3.00	40.29	13.00	2.15	23.00	0.69	33.00	0.33
3.25	34.33	13.25	2.07	23.25	0.67	33.25	0.33
3.50	29.60	13.50	1.99	23.50	0.66	33.50	0.32
3.75	25.78	13.75	1.92	23.75	0.64	33.75	0.32
4.00	22.66	14.00	1.85	24.00	0.63	34.00	0.31
4.25	20.07	14.25	1.79	24.25	0.62	34.25	0.31
4.50	17.91	14.50	1.72	24.50	0.60	34.50	0.30
4.75	16.07	14.75	1.67	24.75	0.59	34.75	0.30
5.00	14.50	15.00	1.61	25.00	0.58	35.00	0.30
5.25	13.16	15.25	1.56	25.25	0.57	35.25	0.29
5.50	11.99	15.50	1.51	25.50	0.56	35.50	0.29
5.75	10.97	15.75	1.46	25.75	0.55	35.75	0.28
6.00	10.07	16.00	1.42	26.00	0.54	36.00	0.28
6.25	9.28	16.25	1.37	26.25	0.53	36.25	0.28
6.50	8.58	16.50	1.33	26.50	0.52	36.50	0.27
6.75	7.96	16.75	1.29	26.75	0.51	36.75	0.27
7.00	7.40	17.00	1.25	27.00	0.50	37.00	0.26
7.25	6.90	17.25	1.22	27.25	0.49	37.25	0.26
7.50	6.45	17.50	1.18	27.50	0.48	37.50	0.26
7.75	6.04	17.75	1.15	27.75	0.47	37.75	0.25
8.00	5.67	18.00	1.12	28.00	0.46	38.00	0.25
8.25	5.33	18.25	1.09	28.25	0.45	38.25	0.25
8.50	5.02	18.50	1.06	28.50	0.45	38.50	0.24
8.75	4.74	18.75	1.03	28.75	0.44	38.75	0.24
9.00	4.48	19.00	1.00	29.00	0.43	39.00	0.24
9.25	4.24	19.25	0.98	29.25	0.42	39.25	0.24
9.50	4.02	19.50	0.95	29.50	0.42	39.50	0.23
9.75	3.81	19.75	0.93	29.75	0.41	39.75	0.23
10.00	3.63	20.00	0.91	30.00	0.40	40.00	0.23

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 10 – 70%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 100% reflections)

Meters 1 Collector Meter

Time Avg: 70% % Reflection 100%

Distance where limits are exceeded		
FCC ft. 0.80	9.65	Inches
BioInitiative ft. 60.30	723.60	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.22	54.25	0.12	68.25	0.08	82.25	0.05
40.50	0.22	54.50	0.12	68.50	0.08	82.50	0.05
40.75	0.22	54.75	0.12	68.75	0.08	82.75	0.05
41.00	0.22	55.00	0.12	69.00	0.08	83.00	0.05
41.25	0.21	55.25	0.12	69.25	0.08	83.25	0.05
41.50	0.21	55.50	0.12	69.50	0.08	83.50	0.05
41.75	0.21	55.75	0.12	69.75	0.07	83.75	0.05
42.00	0.21	56.00	0.12	70.00	0.07	84.00	0.05
42.25	0.20	56.25	0.11	70.25	0.07	84.25	0.05
42.50	0.20	56.50	0.11	70.50	0.07	84.50	0.05
42.75	0.20	56.75	0.11	70.75	0.07	84.75	0.05
43.00	0.20	57.00	0.11	71.00	0.07	85.00	0.05
43.25	0.19	57.25	0.11	71.25	0.07	85.25	0.05
43.50	0.19	57.50	0.11	71.50	0.07	85.50	0.05
43.75	0.19	57.75	0.11	71.75	0.07	85.75	0.05
44.00	0.19	58.00	0.11	72.00	0.07	86.00	0.05
44.25	0.19	58.25	0.11	72.25	0.07	86.25	0.05
44.50	0.18	58.50	0.11	72.50	0.07	86.50	0.05
44.75	0.18	58.75	0.11	72.75	0.07	86.75	0.05
45.00	0.18	59.00	0.10	73.00	0.07	87.00	0.05
45.25	0.18	59.25	0.10	73.25	0.07	87.25	0.05
45.50	0.18	59.50	0.10	73.50	0.07	87.50	0.05
45.75	0.17	59.75	0.10	73.75	0.07	87.75	0.05
46.00	0.17	60.00	0.10	74.00	0.07	88.00	0.05
46.25	0.17	60.25	0.10	74.25	0.07	88.25	0.05
46.50	0.17	60.50	0.10	74.50	0.07	88.50	0.05
46.75	0.17	60.75	0.10	74.75	0.06	88.75	0.05
47.00	0.16	61.00	0.10	75.00	0.06	89.00	0.05
47.25	0.16	61.25	0.10	75.25	0.06	89.25	0.05
47.50	0.16	61.50	0.10	75.50	0.06	89.50	0.05
47.75	0.16	61.75	0.10	75.75	0.06	89.75	0.05
48.00	0.16	62.00	0.09	76.00	0.06	90.00	0.04
48.25	0.16	62.25	0.09	76.25	0.06	90.25	0.04
48.50	0.15	62.50	0.09	76.50	0.06	90.50	0.04
48.75	0.15	62.75	0.09	76.75	0.06	90.75	0.04
49.00	0.15	63.00	0.09	77.00	0.06	91.00	0.04
49.25	0.15	63.25	0.09	77.25	0.06	91.25	0.04
49.50	0.15	63.50	0.09	77.50	0.06	91.50	0.04
49.75	0.15	63.75	0.09	77.75	0.06	91.75	0.04
50.00	0.15	64.00	0.09	78.00	0.06	92.00	0.04
50.25	0.14	64.25	0.09	78.25	0.06	92.25	0.04
50.50	0.14	64.50	0.09	78.50	0.06	92.50	0.04
50.75	0.14	64.75	0.09	78.75	0.06	92.75	0.04
51.00	0.14	65.00	0.09	79.00	0.06	93.00	0.04
51.25	0.14	65.25	0.09	79.25	0.06	93.25	0.04
51.50	0.14	65.50	0.08	79.50	0.06	93.50	0.04
51.75	0.14	65.75	0.08	79.75	0.06	93.75	0.04
52.00	0.13	66.00	0.08	80.00	0.06	94.00	0.04
52.25	0.13	66.25	0.08	80.25	0.06	94.25	0.04
52.50	0.13	66.50	0.08	80.50	0.06	94.50	0.04
52.75	0.13	66.75	0.08	80.75	0.06	94.75	0.04
53.00	0.13	67.00	0.08	81.00	0.06	95.00	0.04
53.25	0.13	67.25	0.08	81.25	0.05	95.25	0.04
53.50	0.13	67.50	0.08	81.50	0.05	95.50	0.04
53.75	0.13	67.75	0.08	81.75	0.05	95.75	0.04
54.00	0.12	68.00	0.08	82.00	0.05	96.00	0.04

Table 10 – 70%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 100% reflections)

Meters 1 Collector Meter

Time Avg: 80% % Reflection 100%

Distance where limits are exceeded		
FCC ft.	0.86	10.3 Inches
BioInitiative ft.	64.50	774.0 Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	6630.13	10.25	3.94	20.25	1.01	30.25	0.45
0.50	1657.53	10.50	3.76	20.50	0.99	30.50	0.45
0.75	736.68	10.75	3.59	20.75	0.96	30.75	0.44
1.00	414.38	11.00	3.42	21.00	0.94	31.00	0.43
1.25	265.21	11.25	3.27	21.25	0.92	31.25	0.42
1.50	184.17	11.50	3.13	21.50	0.90	31.50	0.42
1.75	135.31	11.75	3.00	21.75	0.88	31.75	0.41
2.00	103.60	12.00	2.88	22.00	0.86	32.00	0.40
2.25	81.85	12.25	2.76	22.25	0.84	32.25	0.40
2.50	66.30	12.50	2.65	22.50	0.82	32.50	0.39
2.75	54.79	12.75	2.55	22.75	0.80	32.75	0.39
3.00	46.04	13.00	2.45	23.00	0.78	33.00	0.38
3.25	39.23	13.25	2.36	23.25	0.77	33.25	0.37
3.50	33.83	13.50	2.27	23.50	0.75	33.50	0.37
3.75	29.47	13.75	2.19	23.75	0.73	33.75	0.36
4.00	25.90	14.00	2.11	24.00	0.72	34.00	0.36
4.25	22.94	14.25	2.04	24.25	0.70	34.25	0.35
4.50	20.46	14.50	1.97	24.50	0.69	34.50	0.35
4.75	18.37	14.75	1.90	24.75	0.68	34.75	0.34
5.00	16.58	15.00	1.84	25.00	0.66	35.00	0.34
5.25	15.03	15.25	1.78	25.25	0.65	35.25	0.33
5.50	13.70	15.50	1.72	25.50	0.64	35.50	0.33
5.75	12.53	15.75	1.67	25.75	0.62	35.75	0.32
6.00	11.51	16.00	1.62	26.00	0.61	36.00	0.32
6.25	10.61	16.25	1.57	26.25	0.60	36.25	0.32
6.50	9.81	16.50	1.52	26.50	0.59	36.50	0.31
6.75	9.09	16.75	1.48	26.75	0.58	36.75	0.31
7.00	8.46	17.00	1.43	27.00	0.57	37.00	0.30
7.25	7.88	17.25	1.39	27.25	0.56	37.25	0.30
7.50	7.37	17.50	1.35	27.50	0.55	37.50	0.29
7.75	6.90	17.75	1.32	27.75	0.54	37.75	0.29
8.00	6.47	18.00	1.28	28.00	0.53	38.00	0.29
8.25	6.09	18.25	1.24	28.25	0.52	38.25	0.28
8.50	5.74	18.50	1.21	28.50	0.51	38.50	0.28
8.75	5.41	18.75	1.18	28.75	0.50	38.75	0.28
9.00	5.12	19.00	1.15	29.00	0.49	39.00	0.27
9.25	4.84	19.25	1.12	29.25	0.48	39.25	0.27
9.50	4.59	19.50	1.09	29.50	0.48	39.50	0.27
9.75	4.36	19.75	1.06	29.75	0.47	39.75	0.26
10.00	4.14	20.00	1.04	30.00	0.46	40.00	0.26

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 10 – 80%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 100% reflections)

Meters 1 Collector Meter

Time Avg: 80% % Reflection 100%

Distance where limits are exceeded		
FCC ft. 0.86	10.32	Inches
BioInitiative ft. 64.50	774.00	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.26	54.25	0.14	68.25	0.09	82.25	0.06
40.50	0.25	54.50	0.14	68.50	0.09	82.50	0.06
40.75	0.25	54.75	0.14	68.75	0.09	82.75	0.06
41.00	0.25	55.00	0.14	69.00	0.09	83.00	0.06
41.25	0.24	55.25	0.14	69.25	0.09	83.25	0.06
41.50	0.24	55.50	0.13	69.50	0.09	83.50	0.06
41.75	0.24	55.75	0.13	69.75	0.09	83.75	0.06
42.00	0.23	56.00	0.13	70.00	0.08	84.00	0.06
42.25	0.23	56.25	0.13	70.25	0.08	84.25	0.06
42.50	0.23	56.50	0.13	70.50	0.08	84.50	0.06
42.75	0.23	56.75	0.13	70.75	0.08	84.75	0.06
43.00	0.22	57.00	0.13	71.00	0.08	85.00	0.06
43.25	0.22	57.25	0.13	71.25	0.08	85.25	0.06
43.50	0.22	57.50	0.13	71.50	0.08	85.50	0.06
43.75	0.22	57.75	0.12	71.75	0.08	85.75	0.06
44.00	0.21	58.00	0.12	72.00	0.08	86.00	0.06
44.25	0.21	58.25	0.12	72.25	0.08	86.25	0.06
44.50	0.21	58.50	0.12	72.50	0.08	86.50	0.06
44.75	0.21	58.75	0.12	72.75	0.08	86.75	0.06
45.00	0.20	59.00	0.12	73.00	0.08	87.00	0.05
45.25	0.20	59.25	0.12	73.25	0.08	87.25	0.05
45.50	0.20	59.50	0.12	73.50	0.08	87.50	0.05
45.75	0.20	59.75	0.12	73.75	0.08	87.75	0.05
46.00	0.20	60.00	0.12	74.00	0.08	88.00	0.05
46.25	0.19	60.25	0.11	74.25	0.08	88.25	0.05
46.50	0.19	60.50	0.11	74.50	0.07	88.50	0.05
46.75	0.19	60.75	0.11	74.75	0.07	88.75	0.05
47.00	0.19	61.00	0.11	75.00	0.07	89.00	0.05
47.25	0.19	61.25	0.11	75.25	0.07	89.25	0.05
47.50	0.18	61.50	0.11	75.50	0.07	89.50	0.05
47.75	0.18	61.75	0.11	75.75	0.07	89.75	0.05
48.00	0.18	62.00	0.11	76.00	0.07	90.00	0.05
48.25	0.18	62.25	0.11	76.25	0.07	90.25	0.05
48.50	0.18	62.50	0.11	76.50	0.07	90.50	0.05
48.75	0.17	62.75	0.11	76.75	0.07	90.75	0.05
49.00	0.17	63.00	0.10	77.00	0.07	91.00	0.05
49.25	0.17	63.25	0.10	77.25	0.07	91.25	0.05
49.50	0.17	63.50	0.10	77.50	0.07	91.50	0.05
49.75	0.17	63.75	0.10	77.75	0.07	91.75	0.05
50.00	0.17	64.00	0.10	78.00	0.07	92.00	0.05
50.25	0.16	64.25	0.10	78.25	0.07	92.25	0.05
50.50	0.16	64.50	0.10	78.50	0.07	92.50	0.05
50.75	0.16	64.75	0.10	78.75	0.07	92.75	0.05
51.00	0.16	65.00	0.10	79.00	0.07	93.00	0.05
51.25	0.16	65.25	0.10	79.25	0.07	93.25	0.05
51.50	0.16	65.50	0.10	79.50	0.07	93.50	0.05
51.75	0.15	65.75	0.10	79.75	0.07	93.75	0.05
52.00	0.15	66.00	0.10	80.00	0.06	94.00	0.05
52.25	0.15	66.25	0.09	80.25	0.06	94.25	0.05
52.50	0.15	66.50	0.09	80.50	0.06	94.50	0.05
52.75	0.15	66.75	0.09	80.75	0.06	94.75	0.05
53.00	0.15	67.00	0.09	81.00	0.06	95.00	0.05
53.25	0.15	67.25	0.09	81.25	0.06	95.25	0.05
53.50	0.14	67.50	0.09	81.50	0.06	95.50	0.05
53.75	0.14	67.75	0.09	81.75	0.06	95.75	0.05
54.00	0.14	68.00	0.09	82.00	0.06	96.00	0.04

Table 10 – 80%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 100% reflections)

Meters 1 Collector Meter

Time Avg: 90% % Reflection 100%

Distance where limits are exceeded			
FCC ft.	0.91	10.9	Inches
BioInitiative ft.	68.30	819.6	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	7458.90	10.25	4.44	20.25	1.14	30.25	0.51
0.50	1864.73	10.50	4.23	20.50	1.11	30.50	0.50
0.75	828.77	10.75	4.03	20.75	1.08	30.75	0.49
1.00	466.18	11.00	3.85	21.00	1.06	31.00	0.49
1.25	298.36	11.25	3.68	21.25	1.03	31.25	0.48
1.50	207.19	11.50	3.53	21.50	1.01	31.50	0.47
1.75	152.22	11.75	3.38	21.75	0.99	31.75	0.46
2.00	116.55	12.00	3.24	22.00	0.96	32.00	0.46
2.25	92.09	12.25	3.11	22.25	0.94	32.25	0.45
2.50	74.59	12.50	2.98	22.50	0.92	32.50	0.44
2.75	61.64	12.75	2.87	22.75	0.90	32.75	0.43
3.00	51.80	13.00	2.76	23.00	0.88	33.00	0.43
3.25	44.14	13.25	2.66	23.25	0.86	33.25	0.42
3.50	38.06	13.50	2.56	23.50	0.84	33.50	0.42
3.75	33.15	13.75	2.47	23.75	0.83	33.75	0.41
4.00	29.14	14.00	2.38	24.00	0.81	34.00	0.40
4.25	25.81	14.25	2.30	24.25	0.79	34.25	0.40
4.50	23.02	14.50	2.22	24.50	0.78	34.50	0.39
4.75	20.66	14.75	2.14	24.75	0.76	34.75	0.39
5.00	18.65	15.00	2.07	25.00	0.75	35.00	0.38
5.25	16.91	15.25	2.00	25.25	0.73	35.25	0.38
5.50	15.41	15.50	1.94	25.50	0.72	35.50	0.37
5.75	14.10	15.75	1.88	25.75	0.70	35.75	0.36
6.00	12.95	16.00	1.82	26.00	0.69	36.00	0.36
6.25	11.93	16.25	1.77	26.25	0.68	36.25	0.35
6.50	11.03	16.50	1.71	26.50	0.66	36.50	0.35
6.75	10.23	16.75	1.66	26.75	0.65	36.75	0.35
7.00	9.51	17.00	1.61	27.00	0.64	37.00	0.34
7.25	8.87	17.25	1.57	27.25	0.63	37.25	0.34
7.50	8.29	17.50	1.52	27.50	0.62	37.50	0.33
7.75	7.76	17.75	1.48	27.75	0.61	37.75	0.33
8.00	7.28	18.00	1.44	28.00	0.59	38.00	0.32
8.25	6.85	18.25	1.40	28.25	0.58	38.25	0.32
8.50	6.45	18.50	1.36	28.50	0.57	38.50	0.31
8.75	6.09	18.75	1.33	28.75	0.56	38.75	0.31
9.00	5.76	19.00	1.29	29.00	0.55	39.00	0.31
9.25	5.45	19.25	1.26	29.25	0.54	39.25	0.30
9.50	5.17	19.50	1.23	29.50	0.54	39.50	0.30
9.75	4.90	19.75	1.20	29.75	0.53	39.75	0.30
10.00	4.66	20.00	1.17	30.00	0.52	40.00	0.29

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 10 – 90%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 100% reflections)

Meters 1 Collector Meter

Time Avg: 90% % Reflection 100%

Distance where limits are exceeded		
FCC ft. 0.91	10.94	Inches
BioInitiative ft. 68.30	819.60	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.29	54.25	0.16	68.25	0.10	82.25	0.07
40.50	0.28	54.50	0.16	68.50	0.10	82.50	0.07
40.75	0.28	54.75	0.16	68.75	0.10	82.75	0.07
41.00	0.28	55.00	0.15	69.00	0.10	83.00	0.07
41.25	0.27	55.25	0.15	69.25	0.10	83.25	0.07
41.50	0.27	55.50	0.15	69.50	0.10	83.50	0.07
41.75	0.27	55.75	0.15	69.75	0.10	83.75	0.07
42.00	0.26	56.00	0.15	70.00	0.10	84.00	0.07
42.25	0.26	56.25	0.15	70.25	0.09	84.25	0.07
42.50	0.26	56.50	0.15	70.50	0.09	84.50	0.07
42.75	0.26	56.75	0.14	70.75	0.09	84.75	0.06
43.00	0.25	57.00	0.14	71.00	0.09	85.00	0.06
43.25	0.25	57.25	0.14	71.25	0.09	85.25	0.06
43.50	0.25	57.50	0.14	71.50	0.09	85.50	0.06
43.75	0.24	57.75	0.14	71.75	0.09	85.75	0.06
44.00	0.24	58.00	0.14	72.00	0.09	86.00	0.06
44.25	0.24	58.25	0.14	72.25	0.09	86.25	0.06
44.50	0.24	58.50	0.14	72.50	0.09	86.50	0.06
44.75	0.23	58.75	0.14	72.75	0.09	86.75	0.06
45.00	0.23	59.00	0.13	73.00	0.09	87.00	0.06
45.25	0.23	59.25	0.13	73.25	0.09	87.25	0.06
45.50	0.23	59.50	0.13	73.50	0.09	87.50	0.06
45.75	0.22	59.75	0.13	73.75	0.09	87.75	0.06
46.00	0.22	60.00	0.13	74.00	0.09	88.00	0.06
46.25	0.22	60.25	0.13	74.25	0.08	88.25	0.06
46.50	0.22	60.50	0.13	74.50	0.08	88.50	0.06
46.75	0.21	60.75	0.13	74.75	0.08	88.75	0.06
47.00	0.21	61.00	0.13	75.00	0.08	89.00	0.06
47.25	0.21	61.25	0.12	75.25	0.08	89.25	0.06
47.50	0.21	61.50	0.12	75.50	0.08	89.50	0.06
47.75	0.20	61.75	0.12	75.75	0.08	89.75	0.06
48.00	0.20	62.00	0.12	76.00	0.08	90.00	0.06
48.25	0.20	62.25	0.12	76.25	0.08	90.25	0.06
48.50	0.20	62.50	0.12	76.50	0.08	90.50	0.06
48.75	0.20	62.75	0.12	76.75	0.08	90.75	0.06
49.00	0.19	63.00	0.12	77.00	0.08	91.00	0.06
49.25	0.19	63.25	0.12	77.25	0.08	91.25	0.06
49.50	0.19	63.50	0.12	77.50	0.08	91.50	0.06
49.75	0.19	63.75	0.11	77.75	0.08	91.75	0.06
50.00	0.19	64.00	0.11	78.00	0.08	92.00	0.06
50.25	0.18	64.25	0.11	78.25	0.08	92.25	0.05
50.50	0.18	64.50	0.11	78.50	0.08	92.50	0.05
50.75	0.18	64.75	0.11	78.75	0.08	92.75	0.05
51.00	0.18	65.00	0.11	79.00	0.07	93.00	0.05
51.25	0.18	65.25	0.11	79.25	0.07	93.25	0.05
51.50	0.18	65.50	0.11	79.50	0.07	93.50	0.05
51.75	0.17	65.75	0.11	79.75	0.07	93.75	0.05
52.00	0.17	66.00	0.11	80.00	0.07	94.00	0.05
52.25	0.17	66.25	0.11	80.25	0.07	94.25	0.05
52.50	0.17	66.50	0.11	80.50	0.07	94.50	0.05
52.75	0.17	66.75	0.10	80.75	0.07	94.75	0.05
53.00	0.17	67.00	0.10	81.00	0.07	95.00	0.05
53.25	0.16	67.25	0.10	81.25	0.07	95.25	0.05
53.50	0.16	67.50	0.10	81.50	0.07	95.50	0.05
53.75	0.16	67.75	0.10	81.75	0.07	95.75	0.05
54.00	0.16	68.00	0.10	82.00	0.07	96.00	0.05

Table 10 – 90%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 100% reflections)

Meters 1 Collector Meter

Time Avg: 100% % Reflection 100%

Distance where limits are exceeded			
FCC ft.	0.96	11.5	Inches
BioInitiative ft.	72.00	864.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	8287.67	10.25	4.93	20.25	1.26	30.25	0.57
0.50	2071.92	10.50	4.70	20.50	1.23	30.50	0.56
0.75	920.85	10.75	4.48	20.75	1.20	30.75	0.55
1.00	517.98	11.00	4.28	21.00	1.17	31.00	0.54
1.25	331.51	11.25	4.09	21.25	1.15	31.25	0.53
1.50	230.21	11.50	3.92	21.50	1.12	31.50	0.52
1.75	169.14	11.75	3.75	21.75	1.09	31.75	0.51
2.00	129.49	12.00	3.60	22.00	1.07	32.00	0.51
2.25	102.32	12.25	3.45	22.25	1.05	32.25	0.50
2.50	82.88	12.50	3.32	22.50	1.02	32.50	0.49
2.75	68.49	12.75	3.19	22.75	1.00	32.75	0.48
3.00	57.55	13.00	3.06	23.00	0.98	33.00	0.48
3.25	49.04	13.25	2.95	23.25	0.96	33.25	0.47
3.50	42.28	13.50	2.84	23.50	0.94	33.50	0.46
3.75	36.83	13.75	2.74	23.75	0.92	33.75	0.45
4.00	32.37	14.00	2.64	24.00	0.90	34.00	0.45
4.25	28.68	14.25	2.55	24.25	0.88	34.25	0.44
4.50	25.58	14.50	2.46	24.50	0.86	34.50	0.44
4.75	22.96	14.75	2.38	24.75	0.85	34.75	0.43
5.00	20.72	15.00	2.30	25.00	0.83	35.00	0.42
5.25	18.79	15.25	2.23	25.25	0.81	35.25	0.42
5.50	17.12	15.50	2.16	25.50	0.80	35.50	0.41
5.75	15.67	15.75	2.09	25.75	0.78	35.75	0.41
6.00	14.39	16.00	2.02	26.00	0.77	36.00	0.40
6.25	13.26	16.25	1.96	26.25	0.75	36.25	0.39
6.50	12.26	16.50	1.90	26.50	0.74	36.50	0.39
6.75	11.37	16.75	1.85	26.75	0.72	36.75	0.38
7.00	10.57	17.00	1.79	27.00	0.71	37.00	0.38
7.25	9.85	17.25	1.74	27.25	0.70	37.25	0.37
7.50	9.21	17.50	1.69	27.50	0.68	37.50	0.37
7.75	8.62	17.75	1.64	27.75	0.67	37.75	0.36
8.00	8.09	18.00	1.60	28.00	0.66	38.00	0.36
8.25	7.61	18.25	1.56	28.25	0.65	38.25	0.35
8.50	7.17	18.50	1.51	28.50	0.64	38.50	0.35
8.75	6.77	18.75	1.47	28.75	0.63	38.75	0.34
9.00	6.39	19.00	1.43	29.00	0.62	39.00	0.34
9.25	6.05	19.25	1.40	29.25	0.61	39.25	0.34
9.50	5.74	19.50	1.36	29.50	0.60	39.50	0.33
9.75	5.45	19.75	1.33	29.75	0.59	39.75	0.33
10.00	5.18	20.00	1.29	30.00	0.58	40.00	0.32

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 10 – 100%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 100% reflections)

Meters 1 Collector Meter

Time Avg: 100% % Reflection 100%

Distance where limits are exceeded			
FCC ft. 0.96		11.53 Inches	
BioInitiative ft. 72.00		864.00 Inches	

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.32	54.25	0.18	68.25	0.11	82.25	0.08
40.50	0.32	54.50	0.17	68.50	0.11	82.50	0.08
40.75	0.31	54.75	0.17	68.75	0.11	82.75	0.08
41.00	0.31	55.00	0.17	69.00	0.11	83.00	0.08
41.25	0.30	55.25	0.17	69.25	0.11	83.25	0.07
41.50	0.30	55.50	0.17	69.50	0.11	83.50	0.07
41.75	0.30	55.75	0.17	69.75	0.11	83.75	0.07
42.00	0.29	56.00	0.17	70.00	0.11	84.00	0.07
42.25	0.29	56.25	0.16	70.25	0.10	84.25	0.07
42.50	0.29	56.50	0.16	70.50	0.10	84.50	0.07
42.75	0.28	56.75	0.16	70.75	0.10	84.75	0.07
43.00	0.28	57.00	0.16	71.00	0.10	85.00	0.07
43.25	0.28	57.25	0.16	71.25	0.10	85.25	0.07
43.50	0.27	57.50	0.16	71.50	0.10	85.50	0.07
43.75	0.27	57.75	0.16	71.75	0.10	85.75	0.07
44.00	0.27	58.00	0.15	72.00	0.10	86.00	0.07
44.25	0.26	58.25	0.15	72.25	0.10	86.25	0.07
44.50	0.26	58.50	0.15	72.50	0.10	86.50	0.07
44.75	0.26	58.75	0.15	72.75	0.10	86.75	0.07
45.00	0.26	59.00	0.15	73.00	0.10	87.00	0.07
45.25	0.25	59.25	0.15	73.25	0.10	87.25	0.07
45.50	0.25	59.50	0.15	73.50	0.10	87.50	0.07
45.75	0.25	59.75	0.15	73.75	0.10	87.75	0.07
46.00	0.24	60.00	0.14	74.00	0.09	88.00	0.07
46.25	0.24	60.25	0.14	74.25	0.09	88.25	0.07
46.50	0.24	60.50	0.14	74.50	0.09	88.50	0.07
46.75	0.24	60.75	0.14	74.75	0.09	88.75	0.07
47.00	0.23	61.00	0.14	75.00	0.09	89.00	0.07
47.25	0.23	61.25	0.14	75.25	0.09	89.25	0.07
47.50	0.23	61.50	0.14	75.50	0.09	89.50	0.06
47.75	0.23	61.75	0.14	75.75	0.09	89.75	0.06
48.00	0.22	62.00	0.13	76.00	0.09	90.00	0.06
48.25	0.22	62.25	0.13	76.25	0.09	90.25	0.06
48.50	0.22	62.50	0.13	76.50	0.09	90.50	0.06
48.75	0.22	62.75	0.13	76.75	0.09	90.75	0.06
49.00	0.22	63.00	0.13	77.00	0.09	91.00	0.06
49.25	0.21	63.25	0.13	77.25	0.09	91.25	0.06
49.50	0.21	63.50	0.13	77.50	0.09	91.50	0.06
49.75	0.21	63.75	0.13	77.75	0.09	91.75	0.06
50.00	0.21	64.00	0.13	78.00	0.09	92.00	0.06
50.25	0.21	64.25	0.13	78.25	0.08	92.25	0.06
50.50	0.20	64.50	0.12	78.50	0.08	92.50	0.06
50.75	0.20	64.75	0.12	78.75	0.08	92.75	0.06
51.00	0.20	65.00	0.12	79.00	0.08	93.00	0.06
51.25	0.20	65.25	0.12	79.25	0.08	93.25	0.06
51.50	0.20	65.50	0.12	79.50	0.08	93.50	0.06
51.75	0.19	65.75	0.12	79.75	0.08	93.75	0.06
52.00	0.19	66.00	0.12	80.00	0.08	94.00	0.06
52.25	0.19	66.25	0.12	80.25	0.08	94.25	0.06
52.50	0.19	66.50	0.12	80.50	0.08	94.50	0.06
52.75	0.19	66.75	0.12	80.75	0.08	94.75	0.06
53.00	0.18	67.00	0.12	81.00	0.08	95.00	0.06
53.25	0.18	67.25	0.11	81.25	0.08	95.25	0.06
53.50	0.18	67.50	0.11	81.50	0.08	95.50	0.06
53.75	0.18	67.75	0.11	81.75	0.08	95.75	0.06
54.00	0.18	68.00	0.11	82.00	0.08	96.00	0.06

Table 10 – 100%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 1000% reflections)

Meters 1 Collector Meter

Time Avg: 1% % Reflection 1000%

Distance where limits are exceeded			
FCC ft.	0.53	6.3	Inches
BioInitiative ft.	39.50	474.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	2507.02	10.25	1.49	20.25	0.38	30.25	0.17
0.50	626.75	10.50	1.42	20.50	0.37	30.50	0.17
0.75	278.56	10.75	1.36	20.75	0.36	30.75	0.17
1.00	156.69	11.00	1.29	21.00	0.36	31.00	0.16
1.25	100.28	11.25	1.24	21.25	0.35	31.25	0.16
1.50	69.64	11.50	1.18	21.50	0.34	31.50	0.16
1.75	51.16	11.75	1.13	21.75	0.33	31.75	0.16
2.00	39.17	12.00	1.09	22.00	0.32	32.00	0.15
2.25	30.95	12.25	1.04	22.25	0.32	32.25	0.15
2.50	25.07	12.50	1.00	22.50	0.31	32.50	0.15
2.75	20.72	12.75	0.96	22.75	0.30	32.75	0.15
3.00	17.41	13.00	0.93	23.00	0.30	33.00	0.14
3.25	14.83	13.25	0.89	23.25	0.29	33.25	0.14
3.50	12.79	13.50	0.86	23.50	0.28	33.50	0.14
3.75	11.14	13.75	0.83	23.75	0.28	33.75	0.14
4.00	9.79	14.00	0.80	24.00	0.27	34.00	0.14
4.25	8.67	14.25	0.77	24.25	0.27	34.25	0.13
4.50	7.74	14.50	0.75	24.50	0.26	34.50	0.13
4.75	6.94	14.75	0.72	24.75	0.26	34.75	0.13
5.00	6.27	15.00	0.70	25.00	0.25	35.00	0.13
5.25	5.68	15.25	0.67	25.25	0.25	35.25	0.13
5.50	5.18	15.50	0.65	25.50	0.24	35.50	0.12
5.75	4.74	15.75	0.63	25.75	0.24	35.75	0.12
6.00	4.35	16.00	0.61	26.00	0.23	36.00	0.12
6.25	4.01	16.25	0.59	26.25	0.23	36.25	0.12
6.50	3.71	16.50	0.58	26.50	0.22	36.50	0.12
6.75	3.44	16.75	0.56	26.75	0.22	36.75	0.12
7.00	3.20	17.00	0.54	27.00	0.21	37.00	0.11
7.25	2.98	17.25	0.53	27.25	0.21	37.25	0.11
7.50	2.79	17.50	0.51	27.50	0.21	37.50	0.11
7.75	2.61	17.75	0.50	27.75	0.20	37.75	0.11
8.00	2.45	18.00	0.48	28.00	0.20	38.00	0.11
8.25	2.30	18.25	0.47	28.25	0.20	38.25	0.11
8.50	2.17	18.50	0.46	28.50	0.19	38.50	0.11
8.75	2.05	18.75	0.45	28.75	0.19	38.75	0.10
9.00	1.93	19.00	0.43	29.00	0.19	39.00	0.10
9.25	1.83	19.25	0.42	29.25	0.18	39.25	0.10
9.50	1.74	19.50	0.41	29.50	0.18	39.50	0.10
9.75	1.65	19.75	0.40	29.75	0.18	39.75	0.10
10.00	1.57	20.00	0.39	30.00	0.17	40.00	0.10

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 11 – 1%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 1000% reflections)

Meters 1 Collector Meter

Time Avg: 1% % Reflection 1000%

Distance where limits are exceeded			
FCC ft.	0.53	6.34	Inches
BioInitiative ft.	39.50	474.00	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.10	54.25	0.05	68.25	0.03	82.25	0.02
40.50	0.10	54.50	0.05	68.50	0.03	82.50	0.02
40.75	0.09	54.75	0.05	68.75	0.03	82.75	0.02
41.00	0.09	55.00	0.05	69.00	0.03	83.00	0.02
41.25	0.09	55.25	0.05	69.25	0.03	83.25	0.02
41.50	0.09	55.50	0.05	69.50	0.03	83.50	0.02
41.75	0.09	55.75	0.05	69.75	0.03	83.75	0.02
42.00	0.09	56.00	0.05	70.00	0.03	84.00	0.02
42.25	0.09	56.25	0.05	70.25	0.03	84.25	0.02
42.50	0.09	56.50	0.05	70.50	0.03	84.50	0.02
42.75	0.09	56.75	0.05	70.75	0.03	84.75	0.02
43.00	0.08	57.00	0.05	71.00	0.03	85.00	0.02
43.25	0.08	57.25	0.05	71.25	0.03	85.25	0.02
43.50	0.08	57.50	0.05	71.50	0.03	85.50	0.02
43.75	0.08	57.75	0.05	71.75	0.03	85.75	0.02
44.00	0.08	58.00	0.05	72.00	0.03	86.00	0.02
44.25	0.08	58.25	0.05	72.25	0.03	86.25	0.02
44.50	0.08	58.50	0.05	72.50	0.03	86.50	0.02
44.75	0.08	58.75	0.05	72.75	0.03	86.75	0.02
45.00	0.08	59.00	0.05	73.00	0.03	87.00	0.02
45.25	0.08	59.25	0.04	73.25	0.03	87.25	0.02
45.50	0.08	59.50	0.04	73.50	0.03	87.50	0.02
45.75	0.07	59.75	0.04	73.75	0.03	87.75	0.02
46.00	0.07	60.00	0.04	74.00	0.03	88.00	0.02
46.25	0.07	60.25	0.04	74.25	0.03	88.25	0.02
46.50	0.07	60.50	0.04	74.50	0.03	88.50	0.02
46.75	0.07	60.75	0.04	74.75	0.03	88.75	0.02
47.00	0.07	61.00	0.04	75.00	0.03	89.00	0.02
47.25	0.07	61.25	0.04	75.25	0.03	89.25	0.02
47.50	0.07	61.50	0.04	75.50	0.03	89.50	0.02
47.75	0.07	61.75	0.04	75.75	0.03	89.75	0.02
48.00	0.07	62.00	0.04	76.00	0.03	90.00	0.02
48.25	0.07	62.25	0.04	76.25	0.03	90.25	0.02
48.50	0.07	62.50	0.04	76.50	0.03	90.50	0.02
48.75	0.07	62.75	0.04	76.75	0.03	90.75	0.02
49.00	0.07	63.00	0.04	77.00	0.03	91.00	0.02
49.25	0.06	63.25	0.04	77.25	0.03	91.25	0.02
49.50	0.06	63.50	0.04	77.50	0.03	91.50	0.02
49.75	0.06	63.75	0.04	77.75	0.03	91.75	0.02
50.00	0.06	64.00	0.04	78.00	0.03	92.00	0.02
50.25	0.06	64.25	0.04	78.25	0.03	92.25	0.02
50.50	0.06	64.50	0.04	78.50	0.03	92.50	0.02
50.75	0.06	64.75	0.04	78.75	0.03	92.75	0.02
51.00	0.06	65.00	0.04	79.00	0.03	93.00	0.02
51.25	0.06	65.25	0.04	79.25	0.02	93.25	0.02
51.50	0.06	65.50	0.04	79.50	0.02	93.50	0.02
51.75	0.06	65.75	0.04	79.75	0.02	93.75	0.02
52.00	0.06	66.00	0.04	80.00	0.02	94.00	0.02
52.25	0.06	66.25	0.04	80.25	0.02	94.25	0.02
52.50	0.06	66.50	0.04	80.50	0.02	94.50	0.02
52.75	0.06	66.75	0.04	80.75	0.02	94.75	0.02
53.00	0.06	67.00	0.03	81.00	0.02	95.00	0.02
53.25	0.06	67.25	0.03	81.25	0.02	95.25	0.02
53.50	0.05	67.50	0.03	81.50	0.02	95.50	0.02
53.75	0.05	67.75	0.03	81.75	0.02	95.75	0.02
54.00	0.05	68.00	0.03	82.00	0.02	96.00	0.02

Table 11 – 1%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 1000% reflections)

Meters 1 Collector Meter

Time Avg: 10% % Reflection 1000%

Distance where limits are exceeded			
FCC ft.	1.67	20.1	Inches
BioInitiative ft.	125.00	1500.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	25070.19	10.25	14.91	20.25	3.82	30.25	1.71
0.50	6267.55	10.50	14.21	20.50	3.73	30.50	1.68
0.75	2785.58	10.75	13.56	20.75	3.64	30.75	1.66
1.00	1566.89	11.00	12.95	21.00	3.55	31.00	1.63
1.25	1002.81	11.25	12.38	21.25	3.47	31.25	1.60
1.50	696.39	11.50	11.85	21.50	3.39	31.50	1.58
1.75	511.64	11.75	11.35	21.75	3.31	31.75	1.55
2.00	391.72	12.00	10.88	22.00	3.24	32.00	1.53
2.25	309.51	12.25	10.44	22.25	3.17	32.25	1.51
2.50	250.70	12.50	10.03	22.50	3.10	32.50	1.48
2.75	207.19	12.75	9.64	22.75	3.03	32.75	1.46
3.00	174.10	13.00	9.27	23.00	2.96	33.00	1.44
3.25	148.34	13.25	8.92	23.25	2.90	33.25	1.42
3.50	127.91	13.50	8.60	23.50	2.84	33.50	1.40
3.75	111.42	13.75	8.29	23.75	2.78	33.75	1.38
4.00	97.93	14.00	7.99	24.00	2.72	34.00	1.36
4.25	86.75	14.25	7.72	24.25	2.66	34.25	1.34
4.50	77.38	14.50	7.45	24.50	2.61	34.50	1.32
4.75	69.45	14.75	7.20	24.75	2.56	34.75	1.30
5.00	62.68	15.00	6.96	25.00	2.51	35.00	1.28
5.25	56.85	15.25	6.74	25.25	2.46	35.25	1.26
5.50	51.80	15.50	6.52	25.50	2.41	35.50	1.24
5.75	47.39	15.75	6.32	25.75	2.36	35.75	1.23
6.00	43.52	16.00	6.12	26.00	2.32	36.00	1.21
6.25	40.11	16.25	5.93	26.25	2.27	36.25	1.19
6.50	37.09	16.50	5.76	26.50	2.23	36.50	1.18
6.75	34.39	16.75	5.58	26.75	2.19	36.75	1.16
7.00	31.98	17.00	5.42	27.00	2.15	37.00	1.14
7.25	29.81	17.25	5.27	27.25	2.11	37.25	1.13
7.50	27.86	17.50	5.12	27.50	2.07	37.50	1.11
7.75	26.09	17.75	4.97	27.75	2.03	37.75	1.10
8.00	24.48	18.00	4.84	28.00	2.00	38.00	1.09
8.25	23.02	18.25	4.70	28.25	1.96	38.25	1.07
8.50	21.69	18.50	4.58	28.50	1.93	38.50	1.06
8.75	20.47	18.75	4.46	28.75	1.90	38.75	1.04
9.00	19.34	19.00	4.34	29.00	1.86	39.00	1.03
9.25	18.31	19.25	4.23	29.25	1.83	39.25	1.02
9.50	17.36	19.50	4.12	29.50	1.80	39.50	1.00
9.75	16.48	19.75	4.02	29.75	1.77	39.75	0.99
10.00	15.67	20.00	3.92	30.00	1.74	40.00	0.98

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 11 – 10%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 1000% reflections)

Meters 1 Collector Meter

Time Avg: 10% % Reflection 1000%

Distance where limits are exceeded			
FCC ft. 1.67		20.06 Inches	
BioInitiative ft. 125.00		1500.00 Inches	

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.97	54.25	0.53	68.25	0.34	82.25	0.23
40.50	0.96	54.50	0.53	68.50	0.33	82.50	0.23
40.75	0.94	54.75	0.52	68.75	0.33	82.75	0.23
41.00	0.93	55.00	0.52	69.00	0.33	83.00	0.23
41.25	0.92	55.25	0.51	69.25	0.33	83.25	0.23
41.50	0.91	55.50	0.51	69.50	0.32	83.50	0.22
41.75	0.90	55.75	0.50	69.75	0.32	83.75	0.22
42.00	0.89	56.00	0.50	70.00	0.32	84.00	0.22
42.25	0.88	56.25	0.50	70.25	0.32	84.25	0.22
42.50	0.87	56.50	0.49	70.50	0.32	84.50	0.22
42.75	0.86	56.75	0.49	70.75	0.31	84.75	0.22
43.00	0.85	57.00	0.48	71.00	0.31	85.00	0.22
43.25	0.84	57.25	0.48	71.25	0.31	85.25	0.22
43.50	0.83	57.50	0.47	71.50	0.31	85.50	0.21
43.75	0.82	57.75	0.47	71.75	0.30	85.75	0.21
44.00	0.81	58.00	0.47	72.00	0.30	86.00	0.21
44.25	0.80	58.25	0.46	72.25	0.30	86.25	0.21
44.50	0.79	58.50	0.46	72.50	0.30	86.50	0.21
44.75	0.78	58.75	0.45	72.75	0.30	86.75	0.21
45.00	0.77	59.00	0.45	73.00	0.29	87.00	0.21
45.25	0.77	59.25	0.45	73.25	0.29	87.25	0.21
45.50	0.76	59.50	0.44	73.50	0.29	87.50	0.20
45.75	0.75	59.75	0.44	73.75	0.29	87.75	0.20
46.00	0.74	60.00	0.44	74.00	0.29	88.00	0.20
46.25	0.73	60.25	0.43	74.25	0.28	88.25	0.20
46.50	0.72	60.50	0.43	74.50	0.28	88.50	0.20
46.75	0.72	60.75	0.42	74.75	0.28	88.75	0.20
47.00	0.71	61.00	0.42	75.00	0.28	89.00	0.20
47.25	0.70	61.25	0.42	75.25	0.28	89.25	0.20
47.50	0.69	61.50	0.41	75.50	0.27	89.50	0.20
47.75	0.69	61.75	0.41	75.75	0.27	89.75	0.19
48.00	0.68	62.00	0.41	76.00	0.27	90.00	0.19
48.25	0.67	62.25	0.40	76.25	0.27	90.25	0.19
48.50	0.67	62.50	0.40	76.50	0.27	90.50	0.19
48.75	0.66	62.75	0.40	76.75	0.27	90.75	0.19
49.00	0.65	63.00	0.39	77.00	0.26	91.00	0.19
49.25	0.65	63.25	0.39	77.25	0.26	91.25	0.19
49.50	0.64	63.50	0.39	77.50	0.26	91.50	0.19
49.75	0.63	63.75	0.39	77.75	0.26	91.75	0.19
50.00	0.63	64.00	0.38	78.00	0.26	92.00	0.19
50.25	0.62	64.25	0.38	78.25	0.26	92.25	0.18
50.50	0.61	64.50	0.38	78.50	0.25	92.50	0.18
50.75	0.61	64.75	0.37	78.75	0.25	92.75	0.18
51.00	0.60	65.00	0.37	79.00	0.25	93.00	0.18
51.25	0.60	65.25	0.37	79.25	0.25	93.25	0.18
51.50	0.59	65.50	0.37	79.50	0.25	93.50	0.18
51.75	0.59	65.75	0.36	79.75	0.25	93.75	0.18
52.00	0.58	66.00	0.36	80.00	0.24	94.00	0.18
52.25	0.57	66.25	0.36	80.25	0.24	94.25	0.18
52.50	0.57	66.50	0.35	80.50	0.24	94.50	0.18
52.75	0.56	66.75	0.35	80.75	0.24	94.75	0.17
53.00	0.56	67.00	0.35	81.00	0.24	95.00	0.17
53.25	0.55	67.25	0.35	81.25	0.24	95.25	0.17
53.50	0.55	67.50	0.34	81.50	0.24	95.50	0.17
53.75	0.54	67.75	0.34	81.75	0.23	95.75	0.17
54.00	0.54	68.00	0.34	82.00	0.23	96.00	0.17

Table 11 – 10%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 1000% reflections)

Meters 1 Collector Meter

Time Avg: 20% % Reflection 1000%

Distance where limits are exceeded			
FCC ft.	2.36	28.4	Inches
BioInitiative ft.	176.80	2121.6	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	50140.39	10.25	29.83	20.25	7.64	30.25	3.42
0.50	12535.10	10.50	28.42	20.50	7.46	30.50	3.37
0.75	5571.15	10.75	27.12	20.75	7.28	30.75	3.31
1.00	3133.77	11.00	25.90	21.00	7.11	31.00	3.26
1.25	2005.62	11.25	24.76	21.25	6.94	31.25	3.21
1.50	1392.79	11.50	23.70	21.50	6.78	31.50	3.16
1.75	1023.27	11.75	22.70	21.75	6.62	31.75	3.11
2.00	783.44	12.00	21.76	22.00	6.47	32.00	3.06
2.25	619.02	12.25	20.88	22.25	6.33	32.25	3.01
2.50	501.40	12.50	20.06	22.50	6.19	32.50	2.97
2.75	414.38	12.75	19.28	22.75	6.05	32.75	2.92
3.00	348.20	13.00	18.54	23.00	5.92	33.00	2.88
3.25	296.69	13.25	17.85	23.25	5.80	33.25	2.83
3.50	255.82	13.50	17.19	23.50	5.67	33.50	2.79
3.75	222.85	13.75	16.58	23.75	5.56	33.75	2.75
4.00	195.86	14.00	15.99	24.00	5.44	34.00	2.71
4.25	173.50	14.25	15.43	24.25	5.33	34.25	2.67
4.50	154.75	14.50	14.90	24.50	5.22	34.50	2.63
4.75	138.89	14.75	14.40	24.75	5.12	34.75	2.60
5.00	125.35	15.00	13.93	25.00	5.01	35.00	2.56
5.25	113.70	15.25	13.47	25.25	4.92	35.25	2.52
5.50	103.60	15.50	13.04	25.50	4.82	35.50	2.49
5.75	94.78	15.75	12.63	25.75	4.73	35.75	2.45
6.00	87.05	16.00	12.24	26.00	4.64	36.00	2.42
6.25	80.22	16.25	11.87	26.25	4.55	36.25	2.38
6.50	74.17	16.50	11.51	26.50	4.46	36.50	2.35
6.75	68.78	16.75	11.17	26.75	4.38	36.75	2.32
7.00	63.95	17.00	10.84	27.00	4.30	37.00	2.29
7.25	59.62	17.25	10.53	27.25	4.22	37.25	2.26
7.50	55.71	17.50	10.23	27.50	4.14	37.50	2.23
7.75	52.18	17.75	9.95	27.75	4.07	37.75	2.20
8.00	48.97	18.00	9.67	28.00	4.00	38.00	2.17
8.25	46.04	18.25	9.41	28.25	3.93	38.25	2.14
8.50	43.37	18.50	9.16	28.50	3.86	38.50	2.11
8.75	40.93	18.75	8.91	28.75	3.79	38.75	2.09
9.00	38.69	19.00	8.68	29.00	3.73	39.00	2.06
9.25	36.63	19.25	8.46	29.25	3.66	39.25	2.03
9.50	34.72	19.50	8.24	29.50	3.60	39.50	2.01
9.75	32.97	19.75	8.03	29.75	3.54	39.75	1.98
10.00	31.34	20.00	7.83	30.00	3.48	40.00	1.96

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 11 – 20%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 1000% reflections)

Meters 1 Collector Meter

Time Avg: 20% % Reflection 1000%

Distance where limits are exceeded	
FCC ft. 2.36	28.37 Inches
BioInitiative ft. 176.80	2121.60 Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	1.93	54.25	1.06	68.25	0.67	82.25	0.46
40.50	1.91	54.50	1.06	68.50	0.67	82.50	0.46
40.75	1.89	54.75	1.05	68.75	0.66	82.75	0.46
41.00	1.86	55.00	1.04	69.00	0.66	83.00	0.45
41.25	1.84	55.25	1.03	69.25	0.65	83.25	0.45
41.50	1.82	55.50	1.02	69.50	0.65	83.50	0.45
41.75	1.80	55.75	1.01	69.75	0.64	83.75	0.45
42.00	1.78	56.00	1.00	70.00	0.64	84.00	0.44
42.25	1.76	56.25	0.99	70.25	0.64	84.25	0.44
42.50	1.73	56.50	0.98	70.50	0.63	84.50	0.44
42.75	1.71	56.75	0.97	70.75	0.63	84.75	0.44
43.00	1.69	57.00	0.96	71.00	0.62	85.00	0.43
43.25	1.68	57.25	0.96	71.25	0.62	85.25	0.43
43.50	1.66	57.50	0.95	71.50	0.61	85.50	0.43
43.75	1.64	57.75	0.94	71.75	0.61	85.75	0.43
44.00	1.62	58.00	0.93	72.00	0.60	86.00	0.42
44.25	1.60	58.25	0.92	72.25	0.60	86.25	0.42
44.50	1.58	58.50	0.92	72.50	0.60	86.50	0.42
44.75	1.56	58.75	0.91	72.75	0.59	86.75	0.42
45.00	1.55	59.00	0.90	73.00	0.59	87.00	0.41
45.25	1.53	59.25	0.89	73.25	0.58	87.25	0.41
45.50	1.51	59.50	0.89	73.50	0.58	87.50	0.41
45.75	1.50	59.75	0.88	73.75	0.58	87.75	0.41
46.00	1.48	60.00	0.87	74.00	0.57	88.00	0.40
46.25	1.47	60.25	0.86	74.25	0.57	88.25	0.40
46.50	1.45	60.50	0.86	74.50	0.56	88.50	0.40
46.75	1.43	60.75	0.85	74.75	0.56	88.75	0.40
47.00	1.42	61.00	0.84	75.00	0.56	89.00	0.40
47.25	1.40	61.25	0.84	75.25	0.55	89.25	0.39
47.50	1.39	61.50	0.83	75.50	0.55	89.50	0.39
47.75	1.37	61.75	0.82	75.75	0.55	89.75	0.39
48.00	1.36	62.00	0.82	76.00	0.54	90.00	0.39
48.25	1.35	62.25	0.81	76.25	0.54	90.25	0.38
48.50	1.33	62.50	0.80	76.50	0.54	90.50	0.38
48.75	1.32	62.75	0.80	76.75	0.53	90.75	0.38
49.00	1.31	63.00	0.79	77.00	0.53	91.00	0.38
49.25	1.29	63.25	0.78	77.25	0.53	91.25	0.38
49.50	1.28	63.50	0.78	77.50	0.52	91.50	0.37
49.75	1.27	63.75	0.77	77.75	0.52	91.75	0.37
50.00	1.25	64.00	0.77	78.00	0.52	92.00	0.37
50.25	1.24	64.25	0.76	78.25	0.51	92.25	0.37
50.50	1.23	64.50	0.75	78.50	0.51	92.50	0.37
50.75	1.22	64.75	0.75	78.75	0.51	92.75	0.36
51.00	1.20	65.00	0.74	79.00	0.50	93.00	0.36
51.25	1.19	65.25	0.74	79.25	0.50	93.25	0.36
51.50	1.18	65.50	0.73	79.50	0.50	93.50	0.36
51.75	1.17	65.75	0.72	79.75	0.49	93.75	0.36
52.00	1.16	66.00	0.72	80.00	0.49	94.00	0.35
52.25	1.15	66.25	0.71	80.25	0.49	94.25	0.35
52.50	1.14	66.50	0.71	80.50	0.48	94.50	0.35
52.75	1.13	66.75	0.70	80.75	0.48	94.75	0.35
53.00	1.12	67.00	0.70	81.00	0.48	95.00	0.35
53.25	1.11	67.25	0.69	81.25	0.47	95.25	0.35
53.50	1.09	67.50	0.69	81.50	0.47	95.50	0.34
53.75	1.08	67.75	0.68	81.75	0.47	95.75	0.34
54.00	1.07	68.00	0.68	82.00	0.47	96.00	0.34

Table 11 – 20%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 1000% reflections)

Meters 1 Collector Meter

Time Avg: 30% % Reflection 1000%

Distance where limits are exceeded			
FCC ft.	2.90	34.7	Inches
BioInitiative ft.	217.00	2604.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	75210.58	10.25	44.74	20.25	11.46	30.25	5.14
0.50	18802.64	10.50	42.64	20.50	11.19	30.50	5.05
0.75	8356.73	10.75	40.68	20.75	10.92	30.75	4.97
1.00	4700.66	11.00	38.85	21.00	10.66	31.00	4.89
1.25	3008.42	11.25	37.14	21.25	10.41	31.25	4.81
1.50	2089.18	11.50	35.54	21.50	10.17	31.50	4.74
1.75	1534.91	11.75	34.05	21.75	9.94	31.75	4.66
2.00	1175.17	12.00	32.64	22.00	9.71	32.00	4.59
2.25	928.53	12.25	31.32	22.25	9.50	32.25	4.52
2.50	752.11	12.50	30.08	22.50	9.29	32.50	4.45
2.75	621.58	12.75	28.92	22.75	9.08	32.75	4.38
3.00	522.30	13.00	27.81	23.00	8.89	33.00	4.32
3.25	445.03	13.25	26.77	23.25	8.70	33.25	4.25
3.50	383.73	13.50	25.79	23.50	8.51	33.50	4.19
3.75	334.27	13.75	24.86	23.75	8.33	33.75	4.13
4.00	293.79	14.00	23.98	24.00	8.16	34.00	4.07
4.25	260.24	14.25	23.15	24.25	7.99	34.25	4.01
4.50	232.13	14.50	22.36	24.50	7.83	34.50	3.95
4.75	208.34	14.75	21.61	24.75	7.67	34.75	3.89
5.00	188.03	15.00	20.89	25.00	7.52	35.00	3.84
5.25	170.55	15.25	20.21	25.25	7.37	35.25	3.78
5.50	155.39	15.50	19.57	25.50	7.23	35.50	3.73
5.75	142.18	15.75	18.95	25.75	7.09	35.75	3.68
6.00	130.57	16.00	18.36	26.00	6.95	36.00	3.63
6.25	120.34	16.25	17.80	26.25	6.82	36.25	3.58
6.50	111.26	16.50	17.27	26.50	6.69	36.50	3.53
6.75	103.17	16.75	16.75	26.75	6.57	36.75	3.48
7.00	95.93	17.00	16.27	27.00	6.45	37.00	3.43
7.25	89.43	17.25	15.80	27.25	6.33	37.25	3.39
7.50	83.57	17.50	15.35	27.50	6.22	37.50	3.34
7.75	78.26	17.75	14.92	27.75	6.10	37.75	3.30
8.00	73.45	18.00	14.51	28.00	6.00	38.00	3.26
8.25	69.06	18.25	14.11	28.25	5.89	38.25	3.21
8.50	65.06	18.50	13.73	28.50	5.79	38.50	3.17
8.75	61.40	18.75	13.37	28.75	5.69	38.75	3.13
9.00	58.03	19.00	13.02	29.00	5.59	39.00	3.09
9.25	54.94	19.25	12.69	29.25	5.49	39.25	3.05
9.50	52.08	19.50	12.36	29.50	5.40	39.50	3.01
9.75	49.45	19.75	12.05	29.75	5.31	39.75	2.97
10.00	47.01	20.00	11.75	30.00	5.22	40.00	2.94

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 11 – 30%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 1000% reflections)

Meters 1 Collector Meter

Time Avg: 30% % Reflection 1000%

Distance where limits are exceeded			
FCC ft. 2.90		34.74 Inches	
BioInitiative ft. 217.00		2604.00 Inches	

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	2.90	54.25	1.60	68.25	1.01	82.25	0.69
40.50	2.87	54.50	1.58	68.50	1.00	82.50	0.69
40.75	2.83	54.75	1.57	68.75	0.99	82.75	0.69
41.00	2.80	55.00	1.55	69.00	0.99	83.00	0.68
41.25	2.76	55.25	1.54	69.25	0.98	83.25	0.68
41.50	2.73	55.50	1.53	69.50	0.97	83.50	0.67
41.75	2.70	55.75	1.51	69.75	0.97	83.75	0.67
42.00	2.66	56.00	1.50	70.00	0.96	84.00	0.67
42.25	2.63	56.25	1.49	70.25	0.95	84.25	0.66
42.50	2.60	56.50	1.47	70.50	0.95	84.50	0.66
42.75	2.57	56.75	1.46	70.75	0.94	84.75	0.65
43.00	2.54	57.00	1.45	71.00	0.93	85.00	0.65
43.25	2.51	57.25	1.43	71.25	0.93	85.25	0.65
43.50	2.48	57.50	1.42	71.50	0.92	85.50	0.64
43.75	2.46	57.75	1.41	71.75	0.91	85.75	0.64
44.00	2.43	58.00	1.40	72.00	0.91	86.00	0.64
44.25	2.40	58.25	1.39	72.25	0.90	86.25	0.63
44.50	2.37	58.50	1.37	72.50	0.89	86.50	0.63
44.75	2.35	58.75	1.36	72.75	0.89	86.75	0.62
45.00	2.32	59.00	1.35	73.00	0.88	87.00	0.62
45.25	2.30	59.25	1.34	73.25	0.88	87.25	0.62
45.50	2.27	59.50	1.33	73.50	0.87	87.50	0.61
45.75	2.25	59.75	1.32	73.75	0.86	87.75	0.61
46.00	2.22	60.00	1.31	74.00	0.86	88.00	0.61
46.25	2.20	60.25	1.29	74.25	0.85	88.25	0.60
46.50	2.17	60.50	1.28	74.50	0.85	88.50	0.60
46.75	2.15	60.75	1.27	74.75	0.84	88.75	0.60
47.00	2.13	61.00	1.26	75.00	0.84	89.00	0.59
47.25	2.11	61.25	1.25	75.25	0.83	89.25	0.59
47.50	2.08	61.50	1.24	75.50	0.82	89.50	0.59
47.75	2.06	61.75	1.23	75.75	0.82	89.75	0.58
48.00	2.04	62.00	1.22	76.00	0.81	90.00	0.58
48.25	2.02	62.25	1.21	76.25	0.81	90.25	0.58
48.50	2.00	62.50	1.20	76.50	0.80	90.50	0.57
48.75	1.98	62.75	1.19	76.75	0.80	90.75	0.57
49.00	1.96	63.00	1.18	77.00	0.79	91.00	0.57
49.25	1.94	63.25	1.18	77.25	0.79	91.25	0.56
49.50	1.92	63.50	1.17	77.50	0.78	91.50	0.56
49.75	1.90	63.75	1.16	77.75	0.78	91.75	0.56
50.00	1.88	64.00	1.15	78.00	0.77	92.00	0.56
50.25	1.86	64.25	1.14	78.25	0.77	92.25	0.55
50.50	1.84	64.50	1.13	78.50	0.76	92.50	0.55
50.75	1.83	64.75	1.12	78.75	0.76	92.75	0.55
51.00	1.81	65.00	1.11	79.00	0.75	93.00	0.54
51.25	1.79	65.25	1.10	79.25	0.75	93.25	0.54
51.50	1.77	65.50	1.10	79.50	0.74	93.50	0.54
51.75	1.76	65.75	1.09	79.75	0.74	93.75	0.53
52.00	1.74	66.00	1.08	80.00	0.73	94.00	0.53
52.25	1.72	66.25	1.07	80.25	0.73	94.25	0.53
52.50	1.71	66.50	1.06	80.50	0.73	94.50	0.53
52.75	1.69	66.75	1.06	80.75	0.72	94.75	0.52
53.00	1.67	67.00	1.05	81.00	0.72	95.00	0.52
53.25	1.66	67.25	1.04	81.25	0.71	95.25	0.52
53.50	1.64	67.50	1.03	81.50	0.71	95.50	0.52
53.75	1.63	67.75	1.02	81.75	0.70	95.75	0.51
54.00	1.61	68.00	1.02	82.00	0.70	96.00	0.51

Table 11 – 30%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 1000% reflections)

Meters 1 Collector Meter

Time Avg: 40% % Reflection 1000%

Distance where limits are exceeded			
FCC ft.	3.34	40.1	Inches
BioInitiative ft.	250.00	3000.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	100280.77	10.25	59.66	20.25	15.28	30.25	6.85
0.50	25070.19	10.50	56.85	20.50	14.91	30.50	6.74
0.75	11142.31	10.75	54.24	20.75	14.56	30.75	6.63
1.00	6267.55	11.00	51.80	21.00	14.21	31.00	6.52
1.25	4011.23	11.25	49.52	21.25	13.88	31.25	6.42
1.50	2785.58	11.50	47.39	21.50	13.56	31.50	6.32
1.75	2046.55	11.75	45.40	21.75	13.25	31.75	6.22
2.00	1566.89	12.00	43.52	22.00	12.95	32.00	6.12
2.25	1238.03	12.25	41.77	22.25	12.66	32.25	6.03
2.50	1002.81	12.50	40.11	22.50	12.38	32.50	5.93
2.75	828.77	12.75	38.55	22.75	12.11	32.75	5.84
3.00	696.39	13.00	37.09	23.00	11.85	33.00	5.76
3.25	593.38	13.25	35.70	23.25	11.59	33.25	5.67
3.50	511.64	13.50	34.39	23.50	11.35	33.50	5.58
3.75	445.69	13.75	33.15	23.75	11.11	33.75	5.50
4.00	391.72	14.00	31.98	24.00	10.88	34.00	5.42
4.25	346.99	14.25	30.87	24.25	10.66	34.25	5.34
4.50	309.51	14.50	29.81	24.50	10.44	34.50	5.27
4.75	277.79	14.75	28.81	24.75	10.23	34.75	5.19
5.00	250.70	15.00	27.86	25.00	10.03	35.00	5.12
5.25	227.39	15.25	26.95	25.25	9.83	35.25	5.04
5.50	207.19	15.50	26.09	25.50	9.64	35.50	4.97
5.75	189.57	15.75	25.27	25.75	9.45	35.75	4.90
6.00	174.10	16.00	24.48	26.00	9.27	36.00	4.84
6.25	160.45	16.25	23.74	26.25	9.10	36.25	4.77
6.50	148.34	16.50	23.02	26.50	8.92	36.50	4.70
6.75	137.56	16.75	22.34	26.75	8.76	36.75	4.64
7.00	127.91	17.00	21.69	27.00	8.60	37.00	4.58
7.25	119.24	17.25	21.06	27.25	8.44	37.25	4.52
7.50	111.42	17.50	20.47	27.50	8.29	37.50	4.46
7.75	104.35	17.75	19.89	27.75	8.14	37.75	4.40
8.00	97.93	18.00	19.34	28.00	7.99	38.00	4.34
8.25	92.09	18.25	18.82	28.25	7.85	38.25	4.28
8.50	86.75	18.50	18.31	28.50	7.72	38.50	4.23
8.75	81.86	18.75	17.83	28.75	7.58	38.75	4.17
9.00	77.38	19.00	17.36	29.00	7.45	39.00	4.12
9.25	73.25	19.25	16.91	29.25	7.33	39.25	4.07
9.50	69.45	19.50	16.48	29.50	7.20	39.50	4.02
9.75	65.93	19.75	16.07	29.75	7.08	39.75	3.97
10.00	62.68	20.00	15.67	30.00	6.96	40.00	3.92

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 11 – 40%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 1000% reflections)

Meters 1 Collector Meter

Time Avg: 40% % Reflection 1000%

Distance where limits are exceeded			
FCC ft. 3.34		40.12 Inches	
BioInitiative ft. 250.00		3000.00 Inches	

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	3.87	54.25	2.13	68.25	1.35	82.25	0.93
40.50	3.82	54.50	2.11	68.50	1.34	82.50	0.92
40.75	3.77	54.75	2.09	68.75	1.33	82.75	0.92
41.00	3.73	55.00	2.07	69.00	1.32	83.00	0.91
41.25	3.68	55.25	2.05	69.25	1.31	83.25	0.90
41.50	3.64	55.50	2.03	69.50	1.30	83.50	0.90
41.75	3.60	55.75	2.02	69.75	1.29	83.75	0.89
42.00	3.55	56.00	2.00	70.00	1.28	84.00	0.89
42.25	3.51	56.25	1.98	70.25	1.27	84.25	0.88
42.50	3.47	56.50	1.96	70.50	1.26	84.50	0.88
42.75	3.43	56.75	1.95	70.75	1.25	84.75	0.87
43.00	3.39	57.00	1.93	71.00	1.24	85.00	0.87
43.25	3.35	57.25	1.91	71.25	1.23	85.25	0.86
43.50	3.31	57.50	1.90	71.50	1.23	85.50	0.86
43.75	3.27	57.75	1.88	71.75	1.22	85.75	0.85
44.00	3.24	58.00	1.86	72.00	1.21	86.00	0.85
44.25	3.20	58.25	1.85	72.25	1.20	86.25	0.84
44.50	3.17	58.50	1.83	72.50	1.19	86.50	0.84
44.75	3.13	58.75	1.82	72.75	1.18	86.75	0.83
45.00	3.10	59.00	1.80	73.00	1.18	87.00	0.83
45.25	3.06	59.25	1.79	73.25	1.17	87.25	0.82
45.50	3.03	59.50	1.77	73.50	1.16	87.50	0.82
45.75	2.99	59.75	1.76	73.75	1.15	87.75	0.81
46.00	2.96	60.00	1.74	74.00	1.14	88.00	0.81
46.25	2.93	60.25	1.73	74.25	1.14	88.25	0.80
46.50	2.90	60.50	1.71	74.50	1.13	88.50	0.80
46.75	2.87	60.75	1.70	74.75	1.12	88.75	0.80
47.00	2.84	61.00	1.68	75.00	1.11	89.00	0.79
47.25	2.81	61.25	1.67	75.25	1.11	89.25	0.79
47.50	2.78	61.50	1.66	75.50	1.10	89.50	0.78
47.75	2.75	61.75	1.64	75.75	1.09	89.75	0.78
48.00	2.72	62.00	1.63	76.00	1.09	90.00	0.77
48.25	2.69	62.25	1.62	76.25	1.08	90.25	0.77
48.50	2.66	62.50	1.60	76.50	1.07	90.50	0.77
48.75	2.64	62.75	1.59	76.75	1.06	90.75	0.76
49.00	2.61	63.00	1.58	77.00	1.06	91.00	0.76
49.25	2.58	63.25	1.57	77.25	1.05	91.25	0.75
49.50	2.56	63.50	1.55	77.50	1.04	91.50	0.75
49.75	2.53	63.75	1.54	77.75	1.04	91.75	0.74
50.00	2.51	64.00	1.53	78.00	1.03	92.00	0.74
50.25	2.48	64.25	1.52	78.25	1.02	92.25	0.74
50.50	2.46	64.50	1.51	78.50	1.02	92.50	0.73
50.75	2.43	64.75	1.49	78.75	1.01	92.75	0.73
51.00	2.41	65.00	1.48	79.00	1.00	93.00	0.72
51.25	2.39	65.25	1.47	79.25	1.00	93.25	0.72
51.50	2.36	65.50	1.46	79.50	0.99	93.50	0.72
51.75	2.34	65.75	1.45	79.75	0.99	93.75	0.71
52.00	2.32	66.00	1.44	80.00	0.98	94.00	0.71
52.25	2.30	66.25	1.43	80.25	0.97	94.25	0.71
52.50	2.27	66.50	1.42	80.50	0.97	94.50	0.70
52.75	2.25	66.75	1.41	80.75	0.96	94.75	0.70
53.00	2.23	67.00	1.40	81.00	0.96	95.00	0.69
53.25	2.21	67.25	1.39	81.25	0.95	95.25	0.69
53.50	2.19	67.50	1.38	81.50	0.94	95.50	0.69
53.75	2.17	67.75	1.37	81.75	0.94	95.75	0.68
54.00	2.15	68.00	1.36	82.00	0.93	96.00	0.68

Table 11 – 40%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 1000% reflections)

Meters 1 Collector Meter

Time Avg: 50% % Reflection 1000%

Distance where limits are exceeded			
FCC ft.	3.74	44.9	Inches
BioInitiative ft.	280.00	3360.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	125350.96	10.25	74.57	20.25	19.11	30.25	8.56
0.50	31337.74	10.50	71.06	20.50	18.64	30.50	8.42
0.75	13927.88	10.75	67.79	20.75	18.20	30.75	8.29
1.00	7834.44	11.00	64.75	21.00	17.77	31.00	8.15
1.25	5014.04	11.25	61.90	21.25	17.35	31.25	8.02
1.50	3481.97	11.50	59.24	21.50	16.95	31.50	7.90
1.75	2558.18	11.75	56.75	21.75	16.56	31.75	7.77
2.00	1958.61	12.00	54.41	22.00	16.19	32.00	7.65
2.25	1547.54	12.25	52.21	22.25	15.83	32.25	7.53
2.50	1253.51	12.50	50.14	22.50	15.48	32.50	7.42
2.75	1035.96	12.75	48.19	22.75	15.14	32.75	7.30
3.00	870.49	13.00	46.36	23.00	14.81	33.00	7.19
3.25	741.72	13.25	44.62	23.25	14.49	33.25	7.09
3.50	639.55	13.50	42.99	23.50	14.19	33.50	6.98
3.75	557.12	13.75	41.44	23.75	13.89	33.75	6.88
4.00	489.65	14.00	39.97	24.00	13.60	34.00	6.78
4.25	433.74	14.25	38.58	24.25	13.32	34.25	6.68
4.50	386.89	14.50	37.26	24.50	13.05	34.50	6.58
4.75	347.23	14.75	36.01	24.75	12.79	34.75	6.49
5.00	313.38	15.00	34.82	25.00	12.54	35.00	6.40
5.25	284.24	15.25	33.69	25.25	12.29	35.25	6.31
5.50	258.99	15.50	32.61	25.50	12.05	35.50	6.22
5.75	236.96	15.75	31.58	25.75	11.82	35.75	6.13
6.00	217.62	16.00	30.60	26.00	11.59	36.00	6.05
6.25	200.56	16.25	29.67	26.25	11.37	36.25	5.96
6.50	185.43	16.50	28.78	26.50	11.16	36.50	5.88
6.75	171.95	16.75	27.92	26.75	10.95	36.75	5.80
7.00	159.89	17.00	27.11	27.00	10.75	37.00	5.72
7.25	149.05	17.25	26.33	27.25	10.55	37.25	5.65
7.50	139.28	17.50	25.58	27.50	10.36	37.50	5.57
7.75	130.44	17.75	24.87	27.75	10.17	37.75	5.50
8.00	122.41	18.00	24.18	28.00	9.99	38.00	5.43
8.25	115.11	18.25	23.52	28.25	9.82	38.25	5.35
8.50	108.44	18.50	22.89	28.50	9.65	38.50	5.29
8.75	102.33	18.75	22.28	28.75	9.48	38.75	5.22
9.00	96.72	19.00	21.70	29.00	9.32	39.00	5.15
9.25	91.56	19.25	21.14	29.25	9.16	39.25	5.09
9.50	86.81	19.50	20.60	29.50	9.00	39.50	5.02
9.75	82.41	19.75	20.09	29.75	8.85	39.75	4.96
10.00	78.34	20.00	19.59	30.00	8.70	40.00	4.90

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 11 – 50%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 1000% reflections)

Meters 1 Collector Meter

Time Avg: 50% % Reflection 1000%

Distance where limits are exceeded	
FCC ft. 3.74	44.85 Inches
BioInitiative ft. 280.00	3360.00 Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	4.84	54.25	2.66	68.25	1.68	82.25	1.16
40.50	4.78	54.50	2.64	68.50	1.67	82.50	1.15
40.75	4.72	54.75	2.61	68.75	1.66	82.75	1.14
41.00	4.66	55.00	2.59	69.00	1.65	83.00	1.14
41.25	4.60	55.25	2.57	69.25	1.63	83.25	1.13
41.50	4.55	55.50	2.54	69.50	1.62	83.50	1.12
41.75	4.49	55.75	2.52	69.75	1.61	83.75	1.12
42.00	4.44	56.00	2.50	70.00	1.60	84.00	1.11
42.25	4.39	56.25	2.48	70.25	1.59	84.25	1.10
42.50	4.34	56.50	2.45	70.50	1.58	84.50	1.10
42.75	4.29	56.75	2.43	70.75	1.57	84.75	1.09
43.00	4.24	57.00	2.41	71.00	1.55	85.00	1.08
43.25	4.19	57.25	2.39	71.25	1.54	85.25	1.08
43.50	4.14	57.50	2.37	71.50	1.53	85.50	1.07
43.75	4.09	57.75	2.35	71.75	1.52	85.75	1.07
44.00	4.05	58.00	2.33	72.00	1.51	86.00	1.06
44.25	4.00	58.25	2.31	72.25	1.50	86.25	1.05
44.50	3.96	58.50	2.29	72.50	1.49	86.50	1.05
44.75	3.91	58.75	2.27	72.75	1.48	86.75	1.04
45.00	3.87	59.00	2.25	73.00	1.47	87.00	1.04
45.25	3.83	59.25	2.23	73.25	1.46	87.25	1.03
45.50	3.78	59.50	2.21	73.50	1.45	87.50	1.02
45.75	3.74	59.75	2.19	73.75	1.44	87.75	1.02
46.00	3.70	60.00	2.18	74.00	1.43	88.00	1.01
46.25	3.66	60.25	2.16	74.25	1.42	88.25	1.01
46.50	3.62	60.50	2.14	74.50	1.41	88.50	1.00
46.75	3.58	60.75	2.12	74.75	1.40	88.75	0.99
47.00	3.55	61.00	2.11	75.00	1.39	89.00	0.99
47.25	3.51	61.25	2.09	75.25	1.38	89.25	0.98
47.50	3.47	61.50	2.07	75.50	1.37	89.50	0.98
47.75	3.44	61.75	2.05	75.75	1.37	89.75	0.97
48.00	3.40	62.00	2.04	76.00	1.36	90.00	0.97
48.25	3.37	62.25	2.02	76.25	1.35	90.25	0.96
48.50	3.33	62.50	2.01	76.50	1.34	90.50	0.96
48.75	3.30	62.75	1.99	76.75	1.33	90.75	0.95
49.00	3.26	63.00	1.97	77.00	1.32	91.00	0.95
49.25	3.23	63.25	1.96	77.25	1.31	91.25	0.94
49.50	3.20	63.50	1.94	77.50	1.30	91.50	0.94
49.75	3.17	63.75	1.93	77.75	1.30	91.75	0.93
50.00	3.13	64.00	1.91	78.00	1.29	92.00	0.93
50.25	3.10	64.25	1.90	78.25	1.28	92.25	0.92
50.50	3.07	64.50	1.88	78.50	1.27	92.50	0.92
50.75	3.04	64.75	1.87	78.75	1.26	92.75	0.91
51.00	3.01	65.00	1.85	79.00	1.26	93.00	0.91
51.25	2.98	65.25	1.84	79.25	1.25	93.25	0.90
51.50	2.95	65.50	1.83	79.50	1.24	93.50	0.90
51.75	2.93	65.75	1.81	79.75	1.23	93.75	0.89
52.00	2.90	66.00	1.80	80.00	1.22	94.00	0.89
52.25	2.87	66.25	1.78	80.25	1.22	94.25	0.88
52.50	2.84	66.50	1.77	80.50	1.21	94.50	0.88
52.75	2.82	66.75	1.76	80.75	1.20	94.75	0.87
53.00	2.79	67.00	1.75	81.00	1.19	95.00	0.87
53.25	2.76	67.25	1.73	81.25	1.19	95.25	0.86
53.50	2.74	67.50	1.72	81.50	1.18	95.50	0.86
53.75	2.71	67.75	1.71	81.75	1.17	95.75	0.85
54.00	2.69	68.00	1.69	82.00	1.17	96.00	0.85

Table 11 – 50%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 1000% reflections)

Meters 1 Collector Meter

Time Avg: 60% % Reflection 1000%

Distance where limits are exceeded			
FCC ft.	4.09	49.1	Inches
BioInitiative ft.	307.00	3684.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	150421.16	10.25	89.48	20.25	22.93	30.25	10.27
0.50	37605.29	10.50	85.27	20.50	22.37	30.50	10.11
0.75	16713.46	10.75	81.35	20.75	21.83	30.75	9.94
1.00	9401.32	11.00	77.70	21.00	21.32	31.00	9.78
1.25	6016.85	11.25	74.28	21.25	20.82	31.25	9.63
1.50	4178.37	11.50	71.09	21.50	20.34	31.50	9.47
1.75	3069.82	11.75	68.09	21.75	19.87	31.75	9.33
2.00	2350.33	12.00	65.29	22.00	19.42	32.00	9.18
2.25	1857.05	12.25	62.65	22.25	18.99	32.25	9.04
2.50	1504.21	12.50	60.17	22.50	18.57	32.50	8.90
2.75	1243.15	12.75	57.83	22.75	18.16	32.75	8.77
3.00	1044.59	13.00	55.63	23.00	17.77	33.00	8.63
3.25	890.07	13.25	53.55	23.25	17.39	33.25	8.50
3.50	767.45	13.50	51.58	23.50	17.02	33.50	8.38
3.75	668.54	13.75	49.73	23.75	16.67	33.75	8.25
4.00	587.58	14.00	47.97	24.00	16.32	34.00	8.13
4.25	520.49	14.25	46.30	24.25	15.99	34.25	8.01
4.50	464.26	14.50	44.71	24.50	15.66	34.50	7.90
4.75	416.68	14.75	43.21	24.75	15.35	34.75	7.79
5.00	376.05	15.00	41.78	25.00	15.04	35.00	7.67
5.25	341.09	15.25	40.42	25.25	14.75	35.25	7.57
5.50	310.79	15.50	39.13	25.50	14.46	35.50	7.46
5.75	284.35	15.75	37.90	25.75	14.18	35.75	7.36
6.00	261.15	16.00	36.72	26.00	13.91	36.00	7.25
6.25	240.67	16.25	35.60	26.25	13.64	36.25	7.15
6.50	222.52	16.50	34.53	26.50	13.39	36.50	7.06
6.75	206.34	16.75	33.51	26.75	13.14	36.75	6.96
7.00	191.86	17.00	32.53	27.00	12.90	37.00	6.87
7.25	178.86	17.25	31.59	27.25	12.66	37.25	6.78
7.50	167.13	17.50	30.70	27.50	12.43	37.50	6.69
7.75	156.53	17.75	29.84	27.75	12.21	37.75	6.60
8.00	146.90	18.00	29.02	28.00	11.99	38.00	6.51
8.25	138.13	18.25	28.23	28.25	11.78	38.25	6.43
8.50	130.12	18.50	27.47	28.50	11.57	38.50	6.34
8.75	122.79	18.75	26.74	28.75	11.37	38.75	6.26
9.00	116.07	19.00	26.04	29.00	11.18	39.00	6.18
9.25	109.88	19.25	25.37	29.25	10.99	39.25	6.10
9.50	104.17	19.50	24.72	29.50	10.80	39.50	6.03
9.75	98.90	19.75	24.10	29.75	10.62	39.75	5.95
10.00	94.01	20.00	23.50	30.00	10.45	40.00	5.88

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 11 – 60%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 1000% reflections)

Meters 1 Collector Meter

Time Avg: 60% % Reflection 1000%

Distance where limits are exceeded	
FCC ft. 4.09	49.13 Inches
BioInitiative ft. 307.00	3684.00 Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	5.80	54.25	3.19	68.25	2.02	82.25	1.39
40.50	5.73	54.50	3.17	68.50	2.00	82.50	1.38
40.75	5.66	54.75	3.14	68.75	1.99	82.75	1.37
41.00	5.59	55.00	3.11	69.00	1.97	83.00	1.36
41.25	5.53	55.25	3.08	69.25	1.96	83.25	1.36
41.50	5.46	55.50	3.05	69.50	1.95	83.50	1.35
41.75	5.39	55.75	3.02	69.75	1.93	83.75	1.34
42.00	5.33	56.00	3.00	70.00	1.92	84.00	1.33
42.25	5.27	56.25	2.97	70.25	1.91	84.25	1.32
42.50	5.20	56.50	2.95	70.50	1.89	84.50	1.32
42.75	5.14	56.75	2.92	70.75	1.88	84.75	1.31
43.00	5.08	57.00	2.89	71.00	1.86	85.00	1.30
43.25	5.03	57.25	2.87	71.25	1.85	85.25	1.29
43.50	4.97	57.50	2.84	71.50	1.84	85.50	1.29
43.75	4.91	57.75	2.82	71.75	1.83	85.75	1.28
44.00	4.86	58.00	2.79	72.00	1.81	86.00	1.27
44.25	4.80	58.25	2.77	72.25	1.80	86.25	1.26
44.50	4.75	58.50	2.75	72.50	1.79	86.50	1.26
44.75	4.69	58.75	2.72	72.75	1.78	86.75	1.25
45.00	4.64	59.00	2.70	73.00	1.76	87.00	1.24
45.25	4.59	59.25	2.68	73.25	1.75	87.25	1.23
45.50	4.54	59.50	2.66	73.50	1.74	87.50	1.23
45.75	4.49	59.75	2.63	73.75	1.73	87.75	1.22
46.00	4.44	60.00	2.61	74.00	1.72	88.00	1.21
46.25	4.40	60.25	2.59	74.25	1.71	88.25	1.21
46.50	4.35	60.50	2.57	74.50	1.69	88.50	1.20
46.75	4.30	60.75	2.55	74.75	1.68	88.75	1.19
47.00	4.26	61.00	2.53	75.00	1.67	89.00	1.19
47.25	4.21	61.25	2.51	75.25	1.66	89.25	1.18
47.50	4.17	61.50	2.49	75.50	1.65	89.50	1.17
47.75	4.12	61.75	2.47	75.75	1.64	89.75	1.17
48.00	4.08	62.00	2.45	76.00	1.63	90.00	1.16
48.25	4.04	62.25	2.43	76.25	1.62	90.25	1.15
48.50	4.00	62.50	2.41	76.50	1.61	90.50	1.15
48.75	3.96	62.75	2.39	76.75	1.60	90.75	1.14
49.00	3.92	63.00	2.37	77.00	1.59	91.00	1.14
49.25	3.88	63.25	2.35	77.25	1.58	91.25	1.13
49.50	3.84	63.50	2.33	77.50	1.57	91.50	1.12
49.75	3.80	63.75	2.31	77.75	1.56	91.75	1.12
50.00	3.76	64.00	2.30	78.00	1.55	92.00	1.11
50.25	3.72	64.25	2.28	78.25	1.54	92.25	1.10
50.50	3.69	64.50	2.26	78.50	1.53	92.50	1.10
50.75	3.65	64.75	2.24	78.75	1.52	92.75	1.09
51.00	3.61	65.00	2.23	79.00	1.51	93.00	1.09
51.25	3.58	65.25	2.21	79.25	1.50	93.25	1.08
51.50	3.54	65.50	2.19	79.50	1.49	93.50	1.08
51.75	3.51	65.75	2.17	79.75	1.48	93.75	1.07
52.00	3.48	66.00	2.16	80.00	1.47	94.00	1.06
52.25	3.44	66.25	2.14	80.25	1.46	94.25	1.06
52.50	3.41	66.50	2.13	80.50	1.45	94.50	1.05
52.75	3.38	66.75	2.11	80.75	1.44	94.75	1.05
53.00	3.35	67.00	2.09	81.00	1.43	95.00	1.04
53.25	3.32	67.25	2.08	81.25	1.42	95.25	1.04
53.50	3.28	67.50	2.06	81.50	1.42	95.50	1.03
53.75	3.25	67.75	2.05	81.75	1.41	95.75	1.03
54.00	3.22	68.00	2.03	82.00	1.40	96.00	1.02

Table 11 – 60%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 1000% reflections)

Meters 1 Collector Meter

Time Avg: 70% % Reflection 1000%

Distance where limits are exceeded			
FCC ft.	4.42	53.1	Inches
BioInitiative ft.	331.00	3972.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	175491.35	10.25	104.40	20.25	26.75	30.25	11.99
0.50	43872.84	10.50	99.48	20.50	26.10	30.50	11.79
0.75	19499.04	10.75	94.91	20.75	25.47	30.75	11.60
1.00	10968.21	11.00	90.65	21.00	24.87	31.00	11.41
1.25	7019.65	11.25	86.66	21.25	24.29	31.25	11.23
1.50	4874.76	11.50	82.94	21.50	23.73	31.50	11.05
1.75	3581.46	11.75	79.44	21.75	23.19	31.75	10.88
2.00	2742.05	12.00	76.17	22.00	22.66	32.00	10.71
2.25	2166.56	12.25	73.09	22.25	22.16	32.25	10.55
2.50	1754.91	12.50	70.20	22.50	21.67	32.50	10.38
2.75	1450.34	12.75	67.47	22.75	21.19	32.75	10.23
3.00	1218.69	13.00	64.90	23.00	20.73	33.00	10.07
3.25	1038.41	13.25	62.47	23.25	20.29	33.25	9.92
3.50	895.36	13.50	60.18	23.50	19.86	33.50	9.77
3.75	779.96	13.75	58.01	23.75	19.45	33.75	9.63
4.00	685.51	14.00	55.96	24.00	19.04	34.00	9.49
4.25	607.24	14.25	54.01	24.25	18.65	34.25	9.35
4.50	541.64	14.50	52.17	24.50	18.27	34.50	9.22
4.75	486.13	14.75	50.41	24.75	17.91	34.75	9.08
5.00	438.73	15.00	48.75	25.00	17.55	35.00	8.95
5.25	397.94	15.25	47.16	25.25	17.20	35.25	8.83
5.50	362.59	15.50	45.65	25.50	16.87	35.50	8.70
5.75	331.74	15.75	44.22	25.75	16.54	35.75	8.58
6.00	304.67	16.00	42.84	26.00	16.23	36.00	8.46
6.25	280.79	16.25	41.54	26.25	15.92	36.25	8.35
6.50	259.60	16.50	40.29	26.50	15.62	36.50	8.23
6.75	240.73	16.75	39.09	26.75	15.33	36.75	8.12
7.00	223.84	17.00	37.95	27.00	15.05	37.00	8.01
7.25	208.67	17.25	36.86	27.25	14.77	37.25	7.90
7.50	194.99	17.50	35.81	27.50	14.50	37.50	7.80
7.75	182.61	17.75	34.81	27.75	14.24	37.75	7.70
8.00	171.38	18.00	33.85	28.00	13.99	38.00	7.60
8.25	161.15	18.25	32.93	28.25	13.74	38.25	7.50
8.50	151.81	18.50	32.05	28.50	13.50	38.50	7.40
8.75	143.26	18.75	31.20	28.75	13.27	38.75	7.30
9.00	135.41	19.00	30.38	29.00	13.04	39.00	7.21
9.25	128.19	19.25	29.60	29.25	12.82	39.25	7.12
9.50	121.53	19.50	28.84	29.50	12.60	39.50	7.03
9.75	115.38	19.75	28.12	29.75	12.39	39.75	6.94
10.00	109.68	20.00	27.42	30.00	12.19	40.00	6.86

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 11 – 70%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 1000% reflections)

Meters 1 Collector Meter

Time Avg: 70% % Reflection 1000%

Distance where limits are exceeded	
FCC ft. 4.42	53.07 Inches
BioInitiative ft. 331.00	3972.00 Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	6.77	54.25	3.73	68.25	2.35	82.25	1.62
40.50	6.69	54.50	3.69	68.50	2.34	82.50	1.61
40.75	6.61	54.75	3.66	68.75	2.32	82.75	1.60
41.00	6.52	55.00	3.63	69.00	2.30	83.00	1.59
41.25	6.45	55.25	3.59	69.25	2.29	83.25	1.58
41.50	6.37	55.50	3.56	69.50	2.27	83.50	1.57
41.75	6.29	55.75	3.53	69.75	2.25	83.75	1.56
42.00	6.22	56.00	3.50	70.00	2.24	84.00	1.55
42.25	6.14	56.25	3.47	70.25	2.22	84.25	1.55
42.50	6.07	56.50	3.44	70.50	2.21	84.50	1.54
42.75	6.00	56.75	3.41	70.75	2.19	84.75	1.53
43.00	5.93	57.00	3.38	71.00	2.18	85.00	1.52
43.25	5.86	57.25	3.35	71.25	2.16	85.25	1.51
43.50	5.80	57.50	3.32	71.50	2.15	85.50	1.50
43.75	5.73	57.75	3.29	71.75	2.13	85.75	1.49
44.00	5.67	58.00	3.26	72.00	2.12	86.00	1.48
44.25	5.60	58.25	3.23	72.25	2.10	86.25	1.47
44.50	5.54	58.50	3.20	72.50	2.09	86.50	1.47
44.75	5.48	58.75	3.18	72.75	2.07	86.75	1.46
45.00	5.42	59.00	3.15	73.00	2.06	87.00	1.45
45.25	5.36	59.25	3.12	73.25	2.04	87.25	1.44
45.50	5.30	59.50	3.10	73.50	2.03	87.50	1.43
45.75	5.24	59.75	3.07	73.75	2.02	87.75	1.42
46.00	5.18	60.00	3.05	74.00	2.00	88.00	1.42
46.25	5.13	60.25	3.02	74.25	1.99	88.25	1.41
46.50	5.07	60.50	3.00	74.50	1.98	88.50	1.40
46.75	5.02	60.75	2.97	74.75	1.96	88.75	1.39
47.00	4.97	61.00	2.95	75.00	1.95	89.00	1.38
47.25	4.91	61.25	2.92	75.25	1.94	89.25	1.38
47.50	4.86	61.50	2.90	75.50	1.92	89.50	1.37
47.75	4.81	61.75	2.88	75.75	1.91	89.75	1.36
48.00	4.76	62.00	2.85	76.00	1.90	90.00	1.35
48.25	4.71	62.25	2.83	76.25	1.89	90.25	1.35
48.50	4.66	62.50	2.81	76.50	1.87	90.50	1.34
48.75	4.62	62.75	2.79	76.75	1.86	90.75	1.33
49.00	4.57	63.00	2.76	77.00	1.85	91.00	1.32
49.25	4.52	63.25	2.74	77.25	1.84	91.25	1.32
49.50	4.48	63.50	2.72	77.50	1.83	91.50	1.31
49.75	4.43	63.75	2.70	77.75	1.81	91.75	1.30
50.00	4.39	64.00	2.68	78.00	1.80	92.00	1.30
50.25	4.34	64.25	2.66	78.25	1.79	92.25	1.29
50.50	4.30	64.50	2.64	78.50	1.78	92.50	1.28
50.75	4.26	64.75	2.62	78.75	1.77	92.75	1.27
51.00	4.22	65.00	2.60	79.00	1.76	93.00	1.27
51.25	4.18	65.25	2.58	79.25	1.75	93.25	1.26
51.50	4.14	65.50	2.56	79.50	1.74	93.50	1.25
51.75	4.10	65.75	2.54	79.75	1.72	93.75	1.25
52.00	4.06	66.00	2.52	80.00	1.71	94.00	1.24
52.25	4.02	66.25	2.50	80.25	1.70	94.25	1.23
52.50	3.98	66.50	2.48	80.50	1.69	94.50	1.23
52.75	3.94	66.75	2.46	80.75	1.68	94.75	1.22
53.00	3.90	67.00	2.44	81.00	1.67	95.00	1.22
53.25	3.87	67.25	2.43	81.25	1.66	95.25	1.21
53.50	3.83	67.50	2.41	81.50	1.65	95.50	1.20
53.75	3.80	67.75	2.39	81.75	1.64	95.75	1.20
54.00	3.76	68.00	2.37	82.00	1.63	96.00	1.19

Table 11 – 70%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 1000% reflections)

Meters 1 Collector Meter

Time Avg: 80% % Reflection 1000%

Distance where limits are exceeded			
FCC ft.	4.73	56.7	Inches
BioInitiative ft.	354.00	4248.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	200561.54	10.25	119.31	20.25	30.57	30.25	13.70
0.50	50140.39	10.50	113.70	20.50	29.83	30.50	13.47
0.75	22284.62	10.75	108.47	20.75	29.11	30.75	13.26
1.00	12535.10	11.00	103.60	21.00	28.42	31.00	13.04
1.25	8022.46	11.25	99.04	21.25	27.76	31.25	12.84
1.50	5571.15	11.50	94.78	21.50	27.12	31.50	12.63
1.75	4093.09	11.75	90.79	21.75	26.50	31.75	12.43
2.00	3133.77	12.00	87.05	22.00	25.90	32.00	12.24
2.25	2476.07	12.25	83.53	22.25	25.32	32.25	12.05
2.50	2005.62	12.50	80.22	22.50	24.76	32.50	11.87
2.75	1657.53	12.75	77.11	22.75	24.22	32.75	11.69
3.00	1392.79	13.00	74.17	23.00	23.70	33.00	11.51
3.25	1186.75	13.25	71.40	23.25	23.19	33.25	11.34
3.50	1023.27	13.50	68.78	23.50	22.70	33.50	11.17
3.75	891.38	13.75	66.30	23.75	22.22	33.75	11.00
4.00	783.44	14.00	63.95	24.00	21.76	34.00	10.84
4.25	693.98	14.25	61.73	24.25	21.32	34.25	10.69
4.50	619.02	14.50	59.62	24.50	20.88	34.50	10.53
4.75	555.57	14.75	57.62	24.75	20.46	34.75	10.38
5.00	501.40	15.00	55.71	25.00	20.06	35.00	10.23
5.25	454.79	15.25	53.90	25.25	19.66	35.25	10.09
5.50	414.38	15.50	52.18	25.50	19.28	35.50	9.95
5.75	379.13	15.75	50.53	25.75	18.90	35.75	9.81
6.00	348.20	16.00	48.97	26.00	18.54	36.00	9.67
6.25	320.90	16.25	47.47	26.25	18.19	36.25	9.54
6.50	296.69	16.50	46.04	26.50	17.85	36.50	9.41
6.75	275.12	16.75	44.68	26.75	17.52	36.75	9.28
7.00	255.82	17.00	43.37	27.00	17.19	37.00	9.16
7.25	238.48	17.25	42.13	27.25	16.88	37.25	9.03
7.50	222.85	17.50	40.93	27.50	16.58	37.50	8.91
7.75	208.70	17.75	39.79	27.75	16.28	37.75	8.80
8.00	195.86	18.00	38.69	28.00	15.99	38.00	8.68
8.25	184.17	18.25	37.64	28.25	15.71	38.25	8.57
8.50	173.50	18.50	36.63	28.50	15.43	38.50	8.46
8.75	163.72	18.75	35.66	28.75	15.17	38.75	8.35
9.00	154.75	19.00	34.72	29.00	14.90	39.00	8.24
9.25	146.50	19.25	33.83	29.25	14.65	39.25	8.14
9.50	138.89	19.50	32.97	29.50	14.40	39.50	8.03
9.75	131.86	19.75	32.14	29.75	14.16	39.75	7.93
10.00	125.35	20.00	31.34	30.00	13.93	40.00	7.83

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 11 – 80%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 1000% reflections)

Meters 1 Collector Meter

Time Avg: 80% % Reflection 1000%

Distance where limits are exceeded	
FCC ft. 4.73	56.74 Inches
BioInitiative ft. 354.00	4248.00 Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	7.74	54.25	4.26	68.25	2.69	82.25	1.85
40.50	7.64	54.50	4.22	68.50	2.67	82.50	1.84
40.75	7.55	54.75	4.18	68.75	2.65	82.75	1.83
41.00	7.46	55.00	4.14	69.00	2.63	83.00	1.82
41.25	7.37	55.25	4.11	69.25	2.61	83.25	1.81
41.50	7.28	55.50	4.07	69.50	2.60	83.50	1.80
41.75	7.19	55.75	4.03	69.75	2.58	83.75	1.79
42.00	7.11	56.00	4.00	70.00	2.56	84.00	1.78
42.25	7.02	56.25	3.96	70.25	2.54	84.25	1.77
42.50	6.94	56.50	3.93	70.50	2.52	84.50	1.76
42.75	6.86	56.75	3.89	70.75	2.50	84.75	1.75
43.00	6.78	57.00	3.86	71.00	2.49	85.00	1.73
43.25	6.70	57.25	3.82	71.25	2.47	85.25	1.72
43.50	6.62	57.50	3.79	71.50	2.45	85.50	1.71
43.75	6.55	57.75	3.76	71.75	2.43	85.75	1.70
44.00	6.47	58.00	3.73	72.00	2.42	86.00	1.69
44.25	6.40	58.25	3.69	72.25	2.40	86.25	1.69
44.50	6.33	58.50	3.66	72.50	2.38	86.50	1.68
44.75	6.26	58.75	3.63	72.75	2.37	86.75	1.67
45.00	6.19	59.00	3.60	73.00	2.35	87.00	1.66
45.25	6.12	59.25	3.57	73.25	2.34	87.25	1.65
45.50	6.05	59.50	3.54	73.50	2.32	87.50	1.64
45.75	5.99	59.75	3.51	73.75	2.30	87.75	1.63
46.00	5.92	60.00	3.48	74.00	2.29	88.00	1.62
46.25	5.86	60.25	3.45	74.25	2.27	88.25	1.61
46.50	5.80	60.50	3.42	74.50	2.26	88.50	1.60
46.75	5.74	60.75	3.40	74.75	2.24	88.75	1.59
47.00	5.67	61.00	3.37	75.00	2.23	89.00	1.58
47.25	5.61	61.25	3.34	75.25	2.21	89.25	1.57
47.50	5.56	61.50	3.31	75.50	2.20	89.50	1.56
47.75	5.50	61.75	3.29	75.75	2.18	89.75	1.56
48.00	5.44	62.00	3.26	76.00	2.17	90.00	1.55
48.25	5.38	62.25	3.23	76.25	2.16	90.25	1.54
48.50	5.33	62.50	3.21	76.50	2.14	90.50	1.53
48.75	5.27	62.75	3.18	76.75	2.13	90.75	1.52
49.00	5.22	63.00	3.16	77.00	2.11	91.00	1.51
49.25	5.17	63.25	3.13	77.25	2.10	91.25	1.51
49.50	5.12	63.50	3.11	77.50	2.09	91.50	1.50
49.75	5.06	63.75	3.08	77.75	2.07	91.75	1.49
50.00	5.01	64.00	3.06	78.00	2.06	92.00	1.48
50.25	4.96	64.25	3.04	78.25	2.05	92.25	1.47
50.50	4.92	64.50	3.01	78.50	2.03	92.50	1.47
50.75	4.87	64.75	2.99	78.75	2.02	92.75	1.46
51.00	4.82	65.00	2.97	79.00	2.01	93.00	1.45
51.25	4.77	65.25	2.94	79.25	2.00	93.25	1.44
51.50	4.73	65.50	2.92	79.50	1.98	93.50	1.43
51.75	4.68	65.75	2.90	79.75	1.97	93.75	1.43
52.00	4.64	66.00	2.88	80.00	1.96	94.00	1.42
52.25	4.59	66.25	2.86	80.25	1.95	94.25	1.41
52.50	4.55	66.50	2.83	80.50	1.93	94.50	1.40
52.75	4.50	66.75	2.81	80.75	1.92	94.75	1.40
53.00	4.46	67.00	2.79	81.00	1.91	95.00	1.39
53.25	4.42	67.25	2.77	81.25	1.90	95.25	1.38
53.50	4.38	67.50	2.75	81.50	1.89	95.50	1.37
53.75	4.34	67.75	2.73	81.75	1.88	95.75	1.37
54.00	4.30	68.00	2.71	82.00	1.86	96.00	1.36

Table 11 – 80%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 1000% reflections)

Meters 1 Collector Meter

Time Avg: 90% % Reflection 1000%

Distance where limits are exceeded			
FCC ft.	5.01	60.2	Inches
BioInitiative ft.	375.00	4500.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	225631.74	10.25	134.22	20.25	34.39	30.25	15.41
0.50	56407.93	10.50	127.91	20.50	33.56	30.50	15.16
0.75	25070.19	10.75	122.03	20.75	32.75	30.75	14.91
1.00	14101.98	11.00	116.55	21.00	31.98	31.00	14.67
1.25	9025.27	11.25	111.42	21.25	31.23	31.25	14.44
1.50	6267.55	11.50	106.63	21.50	30.51	31.50	14.21
1.75	4604.73	11.75	102.14	21.75	29.81	31.75	13.99
2.00	3525.50	12.00	97.93	22.00	29.14	32.00	13.77
2.25	2785.58	12.25	93.97	22.25	28.49	32.25	13.56
2.50	2256.32	12.50	90.25	22.50	27.86	32.50	13.35
2.75	1864.73	12.75	86.75	22.75	27.25	32.75	13.15
3.00	1566.89	13.00	83.44	23.00	26.66	33.00	12.95
3.25	1335.10	13.25	80.32	23.25	26.09	33.25	12.76
3.50	1151.18	13.50	77.38	23.50	25.54	33.50	12.57
3.75	1002.81	13.75	74.59	23.75	25.00	33.75	12.38
4.00	881.37	14.00	71.95	24.00	24.48	34.00	12.20
4.25	780.73	14.25	69.45	24.25	23.98	34.25	12.02
4.50	696.39	14.50	67.07	24.50	23.49	34.50	11.85
4.75	625.02	14.75	64.82	24.75	23.02	34.75	11.68
5.00	564.08	15.00	62.68	25.00	22.56	35.00	11.51
5.25	511.64	15.25	60.64	25.25	22.12	35.25	11.35
5.50	466.18	15.50	58.70	25.50	21.69	35.50	11.19
5.75	426.53	15.75	56.85	25.75	21.27	35.75	11.03
6.00	391.72	16.00	55.09	26.00	20.86	36.00	10.88
6.25	361.01	16.25	53.40	26.25	20.47	36.25	10.73
6.50	333.77	16.50	51.80	26.50	20.08	36.50	10.59
6.75	309.51	16.75	50.26	26.75	19.71	36.75	10.44
7.00	287.80	17.00	48.80	27.00	19.34	37.00	10.30
7.25	268.29	17.25	47.39	27.25	18.99	37.25	10.16
7.50	250.70	17.50	46.05	27.50	18.65	37.50	10.03
7.75	234.79	17.75	44.76	27.75	18.31	37.75	9.90
8.00	220.34	18.00	43.52	28.00	17.99	38.00	9.77
8.25	207.19	18.25	42.34	28.25	17.67	38.25	9.64
8.50	195.18	18.50	41.20	28.50	17.36	38.50	9.51
8.75	184.19	18.75	40.11	28.75	17.06	38.75	9.39
9.00	174.10	19.00	39.06	29.00	16.77	39.00	9.27
9.25	164.82	19.25	38.06	29.25	16.48	39.25	9.15
9.50	156.25	19.50	37.09	29.50	16.20	39.50	9.04
9.75	148.34	19.75	36.15	29.75	15.93	39.75	8.92
10.00	141.02	20.00	35.25	30.00	15.67	40.00	8.81

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 11 – 90%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 1000% reflections)

Meters 1 Collector Meter

Time Avg: 90% % Reflection 1000%

Distance where limits are exceeded			
FCC ft. 5.01		60.18 Inches	
BioInitiative ft. 375.00		4500.00 Inches	

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	8.70	54.25	4.79	68.25	3.03	82.25	2.08
40.50	8.60	54.50	4.75	68.50	3.01	82.50	2.07
40.75	8.49	54.75	4.70	68.75	2.98	82.75	2.06
41.00	8.39	55.00	4.66	69.00	2.96	83.00	2.05
41.25	8.29	55.25	4.62	69.25	2.94	83.25	2.03
41.50	8.19	55.50	4.58	69.50	2.92	83.50	2.02
41.75	8.09	55.75	4.54	69.75	2.90	83.75	2.01
42.00	7.99	56.00	4.50	70.00	2.88	84.00	2.00
42.25	7.90	56.25	4.46	70.25	2.86	84.25	1.99
42.50	7.81	56.50	4.42	70.50	2.84	84.50	1.97
42.75	7.72	56.75	4.38	70.75	2.82	84.75	1.96
43.00	7.63	57.00	4.34	71.00	2.80	85.00	1.95
43.25	7.54	57.25	4.30	71.25	2.78	85.25	1.94
43.50	7.45	57.50	4.27	71.50	2.76	85.50	1.93
43.75	7.37	57.75	4.23	71.75	2.74	85.75	1.92
44.00	7.28	58.00	4.19	72.00	2.72	86.00	1.91
44.25	7.20	58.25	4.16	72.25	2.70	86.25	1.90
44.50	7.12	58.50	4.12	72.50	2.68	86.50	1.88
44.75	7.04	58.75	4.09	72.75	2.66	86.75	1.87
45.00	6.96	59.00	4.05	73.00	2.65	87.00	1.86
45.25	6.89	59.25	4.02	73.25	2.63	87.25	1.85
45.50	6.81	59.50	3.98	73.50	2.61	87.50	1.84
45.75	6.74	59.75	3.95	73.75	2.59	87.75	1.83
46.00	6.66	60.00	3.92	74.00	2.58	88.00	1.82
46.25	6.59	60.25	3.88	74.25	2.56	88.25	1.81
46.50	6.52	60.50	3.85	74.50	2.54	88.50	1.80
46.75	6.45	60.75	3.82	74.75	2.52	88.75	1.79
47.00	6.38	61.00	3.79	75.00	2.51	89.00	1.78
47.25	6.32	61.25	3.76	75.25	2.49	89.25	1.77
47.50	6.25	61.50	3.73	75.50	2.47	89.50	1.76
47.75	6.18	61.75	3.70	75.75	2.46	89.75	1.75
48.00	6.12	62.00	3.67	76.00	2.44	90.00	1.74
48.25	6.06	62.25	3.64	76.25	2.43	90.25	1.73
48.50	6.00	62.50	3.61	76.50	2.41	90.50	1.72
48.75	5.93	62.75	3.58	76.75	2.39	90.75	1.71
49.00	5.87	63.00	3.55	77.00	2.38	91.00	1.70
49.25	5.81	63.25	3.53	77.25	2.36	91.25	1.69
49.50	5.76	63.50	3.50	77.50	2.35	91.50	1.68
49.75	5.70	63.75	3.47	77.75	2.33	91.75	1.68
50.00	5.64	64.00	3.44	78.00	2.32	92.00	1.67
50.25	5.58	64.25	3.42	78.25	2.30	92.25	1.66
50.50	5.53	64.50	3.39	78.50	2.29	92.50	1.65
50.75	5.48	64.75	3.36	78.75	2.27	92.75	1.64
51.00	5.42	65.00	3.34	79.00	2.26	93.00	1.63
51.25	5.37	65.25	3.31	79.25	2.25	93.25	1.62
51.50	5.32	65.50	3.29	79.50	2.23	93.50	1.61
51.75	5.27	65.75	3.26	79.75	2.22	93.75	1.60
52.00	5.22	66.00	3.24	80.00	2.20	94.00	1.60
52.25	5.17	66.25	3.21	80.25	2.19	94.25	1.59
52.50	5.12	66.50	3.19	80.50	2.18	94.50	1.58
52.75	5.07	66.75	3.17	80.75	2.16	94.75	1.57
53.00	5.02	67.00	3.14	81.00	2.15	95.00	1.56
53.25	4.97	67.25	3.12	81.25	2.14	95.25	1.55
53.50	4.93	67.50	3.10	81.50	2.12	95.50	1.55
53.75	4.88	67.75	3.07	81.75	2.11	95.75	1.54
54.00	4.84	68.00	3.05	82.00	2.10	96.00	1.53

Table 11 – 90%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 1000% reflections)

Meters 1 Collector Meter

Time Avg: 100% % Reflection 1000%

Distance where limits are exceeded			
FCC ft.	5.29	63.4	Inches
BioInitiative ft.	395.00	4740.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	250701.93	10.25	149.14	20.25	38.21	30.25	17.12
0.50	62675.48	10.50	142.12	20.50	37.28	30.50	16.84
0.75	27855.77	10.75	135.59	20.75	36.39	30.75	16.57
1.00	15668.87	11.00	129.49	21.00	35.53	31.00	16.30
1.25	10028.08	11.25	123.80	21.25	34.70	31.25	16.04
1.50	6963.94	11.50	118.48	21.50	33.90	31.50	15.79
1.75	5116.37	11.75	113.49	21.75	33.12	31.75	15.54
2.00	3917.22	12.00	108.81	22.00	32.37	32.00	15.30
2.25	3095.09	12.25	104.42	22.25	31.65	32.25	15.07
2.50	2507.02	12.50	100.28	22.50	30.95	32.50	14.83
2.75	2071.92	12.75	96.39	22.75	30.27	32.75	14.61
3.00	1740.99	13.00	92.72	23.00	29.62	33.00	14.39
3.25	1483.44	13.25	89.25	23.25	28.99	33.25	14.17
3.50	1279.09	13.50	85.97	23.50	28.37	33.50	13.96
3.75	1114.23	13.75	82.88	23.75	27.78	33.75	13.76
4.00	979.30	14.00	79.94	24.00	27.20	34.00	13.55
4.25	867.48	14.25	77.16	24.25	26.64	34.25	13.36
4.50	773.77	14.50	74.52	24.50	26.10	34.50	13.16
4.75	694.47	14.75	72.02	24.75	25.58	34.75	12.98
5.00	626.75	15.00	69.64	25.00	25.07	35.00	12.79
5.25	568.49	15.25	67.37	25.25	24.58	35.25	12.61
5.50	517.98	15.50	65.22	25.50	24.10	35.50	12.43
5.75	473.92	15.75	63.17	25.75	23.63	35.75	12.26
6.00	435.25	16.00	61.21	26.00	23.18	36.00	12.09
6.25	401.12	16.25	59.34	26.25	22.74	36.25	11.92
6.50	370.86	16.50	57.55	26.50	22.31	36.50	11.76
6.75	343.90	16.75	55.85	26.75	21.90	36.75	11.60
7.00	319.77	17.00	54.22	27.00	21.49	37.00	11.45
7.25	298.10	17.25	52.66	27.25	21.10	37.25	11.29
7.50	278.56	17.50	51.16	27.50	20.72	37.50	11.14
7.75	260.88	17.75	49.73	27.75	20.35	37.75	11.00
8.00	244.83	18.00	48.36	28.00	19.99	38.00	10.85
8.25	230.21	18.25	47.04	28.25	19.63	38.25	10.71
8.50	216.87	18.50	45.78	28.50	19.29	38.50	10.57
8.75	204.65	18.75	44.57	28.75	18.96	38.75	10.44
9.00	193.44	19.00	43.40	29.00	18.63	39.00	10.30
9.25	183.13	19.25	42.28	29.25	18.31	39.25	10.17
9.50	173.62	19.50	41.21	29.50	18.01	39.50	10.04
9.75	164.83	19.75	40.17	29.75	17.70	39.75	9.92
10.00	156.69	20.00	39.17	30.00	17.41	40.00	9.79

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 11 – 100%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 1000% reflections)

Meters 1 Collector Meter

Time Avg: 100% % Reflection 1000%

Distance where limits are exceeded			
FCC ft. 5.29		63.43 Inches	
BioInitiative ft. 395.00		4740.00 Inches	

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	9.67	54.25	5.32	68.25	3.36	82.25	2.32
40.50	9.55	54.50	5.28	68.50	3.34	82.50	2.30
40.75	9.44	54.75	5.23	68.75	3.32	82.75	2.29
41.00	9.32	55.00	5.18	69.00	3.29	83.00	2.27
41.25	9.21	55.25	5.13	69.25	3.27	83.25	2.26
41.50	9.10	55.50	5.09	69.50	3.24	83.50	2.25
41.75	8.99	55.75	5.04	69.75	3.22	83.75	2.23
42.00	8.88	56.00	5.00	70.00	3.20	84.00	2.22
42.25	8.78	56.25	4.95	70.25	3.18	84.25	2.21
42.50	8.67	56.50	4.91	70.50	3.15	84.50	2.19
42.75	8.57	56.75	4.87	70.75	3.13	84.75	2.18
43.00	8.47	57.00	4.82	71.00	3.11	85.00	2.17
43.25	8.38	57.25	4.78	71.25	3.09	85.25	2.16
43.50	8.28	57.50	4.74	71.50	3.06	85.50	2.14
43.75	8.19	57.75	4.70	71.75	3.04	85.75	2.13
44.00	8.09	58.00	4.66	72.00	3.02	86.00	2.12
44.25	8.00	58.25	4.62	72.25	3.00	86.25	2.11
44.50	7.91	58.50	4.58	72.50	2.98	86.50	2.09
44.75	7.82	58.75	4.54	72.75	2.96	86.75	2.08
45.00	7.74	59.00	4.50	73.00	2.94	87.00	2.07
45.25	7.65	59.25	4.46	73.25	2.92	87.25	2.06
45.50	7.57	59.50	4.43	73.50	2.90	87.50	2.05
45.75	7.49	59.75	4.39	73.75	2.88	87.75	2.03
46.00	7.40	60.00	4.35	74.00	2.86	88.00	2.02
46.25	7.33	60.25	4.32	74.25	2.84	88.25	2.01
46.50	7.25	60.50	4.28	74.50	2.82	88.50	2.00
46.75	7.17	60.75	4.25	74.75	2.80	88.75	1.99
47.00	7.09	61.00	4.21	75.00	2.79	89.00	1.98
47.25	7.02	61.25	4.18	75.25	2.77	89.25	1.97
47.50	6.94	61.50	4.14	75.50	2.75	89.50	1.96
47.75	6.87	61.75	4.11	75.75	2.73	89.75	1.95
48.00	6.80	62.00	4.08	76.00	2.71	90.00	1.93
48.25	6.73	62.25	4.04	76.25	2.69	90.25	1.92
48.50	6.66	62.50	4.01	76.50	2.68	90.50	1.91
48.75	6.59	62.75	3.98	76.75	2.66	90.75	1.90
49.00	6.53	63.00	3.95	77.00	2.64	91.00	1.89
49.25	6.46	63.25	3.92	77.25	2.63	91.25	1.88
49.50	6.39	63.50	3.89	77.50	2.61	91.50	1.87
49.75	6.33	63.75	3.86	77.75	2.59	91.75	1.86
50.00	6.27	64.00	3.83	78.00	2.58	92.00	1.85
50.25	6.21	64.25	3.80	78.25	2.56	92.25	1.84
50.50	6.14	64.50	3.77	78.50	2.54	92.50	1.83
50.75	6.08	64.75	3.74	78.75	2.53	92.75	1.82
51.00	6.02	65.00	3.71	79.00	2.51	93.00	1.81
51.25	5.97	65.25	3.68	79.25	2.49	93.25	1.80
51.50	5.91	65.50	3.65	79.50	2.48	93.50	1.79
51.75	5.85	65.75	3.62	79.75	2.46	93.75	1.78
52.00	5.79	66.00	3.60	80.00	2.45	94.00	1.77
52.25	5.74	66.25	3.57	80.25	2.43	94.25	1.76
52.50	5.68	66.50	3.54	80.50	2.42	94.50	1.75
52.75	5.63	66.75	3.52	80.75	2.40	94.75	1.75
53.00	5.58	67.00	3.49	81.00	2.39	95.00	1.74
53.25	5.53	67.25	3.46	81.25	2.37	95.25	1.73
53.50	5.47	67.50	3.44	81.50	2.36	95.50	1.72
53.75	5.42	67.75	3.41	81.75	2.34	95.75	1.71
54.00	5.37	68.00	3.39	82.00	2.33	96.00	1.70

Table 11 – 100%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 2000% reflections)

Meters 1 Collector Meter

Time Avg: 1% % Reflection 2000%

Distance where limits are exceeded			
FCC ft.	1.01	12.1	Inches
BioInitiative ft.	75.50	906.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	9137.15	10.25	5.44	20.25	1.39	30.25	0.62
0.50	2284.29	10.50	5.18	20.50	1.36	30.50	0.61
0.75	1015.24	10.75	4.94	20.75	1.33	30.75	0.60
1.00	571.07	11.00	4.72	21.00	1.29	31.00	0.59
1.25	365.49	11.25	4.51	21.25	1.26	31.25	0.58
1.50	253.81	11.50	4.32	21.50	1.24	31.50	0.58
1.75	186.47	11.75	4.14	21.75	1.21	31.75	0.57
2.00	142.77	12.00	3.97	22.00	1.18	32.00	0.56
2.25	112.80	12.25	3.81	22.25	1.15	32.25	0.55
2.50	91.37	12.50	3.65	22.50	1.13	32.50	0.54
2.75	75.51	12.75	3.51	22.75	1.10	32.75	0.53
3.00	63.45	13.00	3.38	23.00	1.08	33.00	0.52
3.25	54.07	13.25	3.25	23.25	1.06	33.25	0.52
3.50	46.62	13.50	3.13	23.50	1.03	33.50	0.51
3.75	40.61	13.75	3.02	23.75	1.01	33.75	0.50
4.00	35.69	14.00	2.91	24.00	0.99	34.00	0.49
4.25	31.62	14.25	2.81	24.25	0.97	34.25	0.49
4.50	28.20	14.50	2.72	24.50	0.95	34.50	0.48
4.75	25.31	14.75	2.62	24.75	0.93	34.75	0.47
5.00	22.84	15.00	2.54	25.00	0.91	35.00	0.47
5.25	20.72	15.25	2.46	25.25	0.90	35.25	0.46
5.50	18.88	15.50	2.38	25.50	0.88	35.50	0.45
5.75	17.27	15.75	2.30	25.75	0.86	35.75	0.45
6.00	15.86	16.00	2.23	26.00	0.84	36.00	0.44
6.25	14.62	16.25	2.16	26.25	0.83	36.25	0.43
6.50	13.52	16.50	2.10	26.50	0.81	36.50	0.43
6.75	12.53	16.75	2.04	26.75	0.80	36.75	0.42
7.00	11.65	17.00	1.98	27.00	0.78	37.00	0.42
7.25	10.86	17.25	1.92	27.25	0.77	37.25	0.41
7.50	10.15	17.50	1.86	27.50	0.76	37.50	0.41
7.75	9.51	17.75	1.81	27.75	0.74	37.75	0.40
8.00	8.92	18.00	1.76	28.00	0.73	38.00	0.40
8.25	8.39	18.25	1.71	28.25	0.72	38.25	0.39
8.50	7.90	18.50	1.67	28.50	0.70	38.50	0.39
8.75	7.46	18.75	1.62	28.75	0.69	38.75	0.38
9.00	7.05	19.00	1.58	29.00	0.68	39.00	0.38
9.25	6.67	19.25	1.54	29.25	0.67	39.25	0.37
9.50	6.33	19.50	1.50	29.50	0.66	39.50	0.37
9.75	6.01	19.75	1.46	29.75	0.65	39.75	0.36
10.00	5.71	20.00	1.43	30.00	0.63	40.00	0.36

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 12 – 1%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 2000% reflections)

Meters 1 Collector Meter

Time Avg: 1% % Reflection 2000%

Distance where limits are exceeded	
FCC ft. 1.01	12.11 Inches
BioInitiative ft. 75.50	906.00 Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.35	54.25	0.19	68.25	0.12	82.25	0.08
40.50	0.35	54.50	0.19	68.50	0.12	82.50	0.08
40.75	0.34	54.75	0.19	68.75	0.12	82.75	0.08
41.00	0.34	55.00	0.19	69.00	0.12	83.00	0.08
41.25	0.34	55.25	0.19	69.25	0.12	83.25	0.08
41.50	0.33	55.50	0.19	69.50	0.12	83.50	0.08
41.75	0.33	55.75	0.18	69.75	0.12	83.75	0.08
42.00	0.32	56.00	0.18	70.00	0.12	84.00	0.08
42.25	0.32	56.25	0.18	70.25	0.12	84.25	0.08
42.50	0.32	56.50	0.18	70.50	0.11	84.50	0.08
42.75	0.31	56.75	0.18	70.75	0.11	84.75	0.08
43.00	0.31	57.00	0.18	71.00	0.11	85.00	0.08
43.25	0.31	57.25	0.17	71.25	0.11	85.25	0.08
43.50	0.30	57.50	0.17	71.50	0.11	85.50	0.08
43.75	0.30	57.75	0.17	71.75	0.11	85.75	0.08
44.00	0.29	58.00	0.17	72.00	0.11	86.00	0.08
44.25	0.29	58.25	0.17	72.25	0.11	86.25	0.08
44.50	0.29	58.50	0.17	72.50	0.11	86.50	0.08
44.75	0.29	58.75	0.17	72.75	0.11	86.75	0.08
45.00	0.28	59.00	0.16	73.00	0.11	87.00	0.08
45.25	0.28	59.25	0.16	73.25	0.11	87.25	0.08
45.50	0.28	59.50	0.16	73.50	0.11	87.50	0.07
45.75	0.27	59.75	0.16	73.75	0.10	87.75	0.07
46.00	0.27	60.00	0.16	74.00	0.10	88.00	0.07
46.25	0.27	60.25	0.16	74.25	0.10	88.25	0.07
46.50	0.26	60.50	0.16	74.50	0.10	88.50	0.07
46.75	0.26	60.75	0.15	74.75	0.10	88.75	0.07
47.00	0.26	61.00	0.15	75.00	0.10	89.00	0.07
47.25	0.26	61.25	0.15	75.25	0.10	89.25	0.07
47.50	0.25	61.50	0.15	75.50	0.10	89.50	0.07
47.75	0.25	61.75	0.15	75.75	0.10	89.75	0.07
48.00	0.25	62.00	0.15	76.00	0.10	90.00	0.07
48.25	0.25	62.25	0.15	76.25	0.10	90.25	0.07
48.50	0.24	62.50	0.15	76.50	0.10	90.50	0.07
48.75	0.24	62.75	0.15	76.75	0.10	90.75	0.07
49.00	0.24	63.00	0.14	77.00	0.10	91.00	0.07
49.25	0.24	63.25	0.14	77.25	0.10	91.25	0.07
49.50	0.23	63.50	0.14	77.50	0.10	91.50	0.07
49.75	0.23	63.75	0.14	77.75	0.09	91.75	0.07
50.00	0.23	64.00	0.14	78.00	0.09	92.00	0.07
50.25	0.23	64.25	0.14	78.25	0.09	92.25	0.07
50.50	0.22	64.50	0.14	78.50	0.09	92.50	0.07
50.75	0.22	64.75	0.14	78.75	0.09	92.75	0.07
51.00	0.22	65.00	0.14	79.00	0.09	93.00	0.07
51.25	0.22	65.25	0.13	79.25	0.09	93.25	0.07
51.50	0.22	65.50	0.13	79.50	0.09	93.50	0.07
51.75	0.21	65.75	0.13	79.75	0.09	93.75	0.06
52.00	0.21	66.00	0.13	80.00	0.09	94.00	0.06
52.25	0.21	66.25	0.13	80.25	0.09	94.25	0.06
52.50	0.21	66.50	0.13	80.50	0.09	94.50	0.06
52.75	0.21	66.75	0.13	80.75	0.09	94.75	0.06
53.00	0.20	67.00	0.13	81.00	0.09	95.00	0.06
53.25	0.20	67.25	0.13	81.25	0.09	95.25	0.06
53.50	0.20	67.50	0.13	81.50	0.09	95.50	0.06
53.75	0.20	67.75	0.12	81.75	0.09	95.75	0.06
54.00	0.20	68.00	0.12	82.00	0.08	96.00	0.06

Table 12 – 1%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 2000% reflections)

Meters 1 Collector Meter

Time Avg: 10% % Reflection 2000%

Distance where limits are exceeded			
FCC ft.	3.19	38.3	Inches
BioInitiative ft.	239.00	2868.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	91371.53	10.25	54.36	20.25	13.93	30.25	6.24
0.50	22842.88	10.50	51.80	20.50	13.59	30.50	6.14
0.75	10152.39	10.75	49.42	20.75	13.26	30.75	6.04
1.00	5710.72	11.00	47.20	21.00	12.95	31.00	5.94
1.25	3654.86	11.25	45.12	21.25	12.65	31.25	5.85
1.50	2538.10	11.50	43.18	21.50	12.35	31.50	5.76
1.75	1864.73	11.75	41.36	21.75	12.07	31.75	5.67
2.00	1427.68	12.00	39.66	22.00	11.80	32.00	5.58
2.25	1128.04	12.25	38.06	22.25	11.54	32.25	5.49
2.50	913.72	12.50	36.55	22.50	11.28	32.50	5.41
2.75	755.14	12.75	35.13	22.75	11.03	32.75	5.32
3.00	634.52	13.00	33.79	23.00	10.80	33.00	5.24
3.25	540.66	13.25	32.53	23.25	10.56	33.25	5.17
3.50	466.18	13.50	31.33	23.50	10.34	33.50	5.09
3.75	406.10	13.75	30.21	23.75	10.12	33.75	5.01
4.00	356.92	14.00	29.14	24.00	9.91	34.00	4.94
4.25	316.16	14.25	28.12	24.25	9.71	34.25	4.87
4.50	282.01	14.50	27.16	24.50	9.51	34.50	4.80
4.75	253.11	14.75	26.25	24.75	9.32	34.75	4.73
5.00	228.43	15.00	25.38	25.00	9.14	35.00	4.66
5.25	207.19	15.25	24.56	25.25	8.96	35.25	4.60
5.50	188.78	15.50	23.77	25.50	8.78	35.50	4.53
5.75	172.73	15.75	23.02	25.75	8.61	35.75	4.47
6.00	158.63	16.00	22.31	26.00	8.45	36.00	4.41
6.25	146.19	16.25	21.63	26.25	8.29	36.25	4.35
6.50	135.16	16.50	20.98	26.50	8.13	36.50	4.29
6.75	125.34	16.75	20.35	26.75	7.98	36.75	4.23
7.00	116.55	17.00	19.76	27.00	7.83	37.00	4.17
7.25	108.65	17.25	19.19	27.25	7.69	37.25	4.12
7.50	101.52	17.50	18.65	27.50	7.55	37.50	4.06
7.75	95.08	17.75	18.13	27.75	7.42	37.75	4.01
8.00	89.23	18.00	17.63	28.00	7.28	38.00	3.95
8.25	83.90	18.25	17.15	28.25	7.16	38.25	3.90
8.50	79.04	18.50	16.69	28.50	7.03	38.50	3.85
8.75	74.59	18.75	16.24	28.75	6.91	38.75	3.80
9.00	70.50	19.00	15.82	29.00	6.79	39.00	3.75
9.25	66.74	19.25	15.41	29.25	6.67	39.25	3.71
9.50	63.28	19.50	15.02	29.50	6.56	39.50	3.66
9.75	60.07	19.75	14.64	29.75	6.45	39.75	3.61
10.00	57.11	20.00	14.28	30.00	6.35	40.00	3.57

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 12 – 10%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 2000% reflections)

Meters 1 Collector Meter

Time Avg: 10% % Reflection 2000%

Distance where limits are exceeded	
FCC ft. 3.19	38.29 Inches
BioInitiative ft. 239.00	2868.00 Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	3.53	54.25	1.94	68.25	1.23	82.25	0.84
40.50	3.48	54.50	1.92	68.50	1.22	82.50	0.84
40.75	3.44	54.75	1.91	68.75	1.21	82.75	0.83
41.00	3.40	55.00	1.89	69.00	1.20	83.00	0.83
41.25	3.36	55.25	1.87	69.25	1.19	83.25	0.82
41.50	3.32	55.50	1.85	69.50	1.18	83.50	0.82
41.75	3.28	55.75	1.84	69.75	1.17	83.75	0.81
42.00	3.24	56.00	1.82	70.00	1.17	84.00	0.81
42.25	3.20	56.25	1.80	70.25	1.16	84.25	0.80
42.50	3.16	56.50	1.79	70.50	1.15	84.50	0.80
42.75	3.12	56.75	1.77	70.75	1.14	84.75	0.80
43.00	3.09	57.00	1.76	71.00	1.13	85.00	0.79
43.25	3.05	57.25	1.74	71.25	1.12	85.25	0.79
43.50	3.02	57.50	1.73	71.50	1.12	85.50	0.78
43.75	2.98	57.75	1.71	71.75	1.11	85.75	0.78
44.00	2.95	58.00	1.70	72.00	1.10	86.00	0.77
44.25	2.92	58.25	1.68	72.25	1.09	86.25	0.77
44.50	2.88	58.50	1.67	72.50	1.09	86.50	0.76
44.75	2.85	58.75	1.65	72.75	1.08	86.75	0.76
45.00	2.82	59.00	1.64	73.00	1.07	87.00	0.75
45.25	2.79	59.25	1.63	73.25	1.06	87.25	0.75
45.50	2.76	59.50	1.61	73.50	1.06	87.50	0.75
45.75	2.73	59.75	1.60	73.75	1.05	87.75	0.74
46.00	2.70	60.00	1.59	74.00	1.04	88.00	0.74
46.25	2.67	60.25	1.57	74.25	1.04	88.25	0.73
46.50	2.64	60.50	1.56	74.50	1.03	88.50	0.73
46.75	2.61	60.75	1.55	74.75	1.02	88.75	0.73
47.00	2.59	61.00	1.53	75.00	1.02	89.00	0.72
47.25	2.56	61.25	1.52	75.25	1.01	89.25	0.72
47.50	2.53	61.50	1.51	75.50	1.00	89.50	0.71
47.75	2.50	61.75	1.50	75.75	1.00	89.75	0.71
48.00	2.48	62.00	1.49	76.00	0.99	90.00	0.71
48.25	2.45	62.25	1.47	76.25	0.98	90.25	0.70
48.50	2.43	62.50	1.46	76.50	0.98	90.50	0.70
48.75	2.40	62.75	1.45	76.75	0.97	90.75	0.69
49.00	2.38	63.00	1.44	77.00	0.96	91.00	0.69
49.25	2.35	63.25	1.43	77.25	0.96	91.25	0.69
49.50	2.33	63.50	1.42	77.50	0.95	91.50	0.68
49.75	2.31	63.75	1.41	77.75	0.94	91.75	0.68
50.00	2.28	64.00	1.39	78.00	0.94	92.00	0.67
50.25	2.26	64.25	1.38	78.25	0.93	92.25	0.67
50.50	2.24	64.50	1.37	78.50	0.93	92.50	0.67
50.75	2.22	64.75	1.36	78.75	0.92	92.75	0.66
51.00	2.20	65.00	1.35	79.00	0.92	93.00	0.66
51.25	2.17	65.25	1.34	79.25	0.91	93.25	0.66
51.50	2.15	65.50	1.33	79.50	0.90	93.50	0.65
51.75	2.13	65.75	1.32	79.75	0.90	93.75	0.65
52.00	2.11	66.00	1.31	80.00	0.89	94.00	0.65
52.25	2.09	66.25	1.30	80.25	0.89	94.25	0.64
52.50	2.07	66.50	1.29	80.50	0.88	94.50	0.64
52.75	2.05	66.75	1.28	80.75	0.88	94.75	0.64
53.00	2.03	67.00	1.27	81.00	0.87	95.00	0.63
53.25	2.01	67.25	1.26	81.25	0.87	95.25	0.63
53.50	2.00	67.50	1.25	81.50	0.86	95.50	0.63
53.75	1.98	67.75	1.24	81.75	0.85	95.75	0.62
54.00	1.96	68.00	1.24	82.00	0.85	96.00	0.62

Table 12 – 10%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 2000% reflections)

Meters 1 Collector Meter

Time Avg: 20% % Reflection 2000%

Distance where limits are exceeded			
FCC ft.	4.51	54.2	Inches
BioInitiative ft.	338.00	4056.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	182743.06	10.25	108.71	20.25	27.85	30.25	12.48
0.50	45685.76	10.50	103.60	20.50	27.18	30.50	12.28
0.75	20304.78	10.75	98.83	20.75	26.53	30.75	12.08
1.00	11421.44	11.00	94.39	21.00	25.90	31.00	11.88
1.25	7309.72	11.25	90.24	21.25	25.29	31.25	11.70
1.50	5076.20	11.50	86.36	21.50	24.71	31.50	11.51
1.75	3729.45	11.75	82.73	21.75	24.14	31.75	11.33
2.00	2855.36	12.00	79.32	22.00	23.60	32.00	11.15
2.25	2256.09	12.25	76.11	22.25	23.07	32.25	10.98
2.50	1827.43	12.50	73.10	22.50	22.56	32.50	10.81
2.75	1510.27	12.75	70.26	22.75	22.07	32.75	10.65
3.00	1269.05	13.00	67.58	23.00	21.59	33.00	10.49
3.25	1081.32	13.25	65.06	23.25	21.13	33.25	10.33
3.50	932.36	13.50	62.67	23.50	20.68	33.50	10.18
3.75	812.19	13.75	60.41	23.75	20.25	33.75	10.03
4.00	713.84	14.00	58.27	24.00	19.83	34.00	9.88
4.25	632.33	14.25	56.25	24.25	19.42	34.25	9.74
4.50	564.02	14.50	54.32	24.50	19.03	34.50	9.60
4.75	506.21	14.75	52.50	24.75	18.65	34.75	9.46
5.00	456.86	15.00	50.76	25.00	18.27	35.00	9.32
5.25	414.38	15.25	49.11	25.25	17.91	35.25	9.19
5.50	377.57	15.50	47.54	25.50	17.56	35.50	9.06
5.75	345.45	15.75	46.04	25.75	17.23	35.75	8.94
6.00	317.26	16.00	44.62	26.00	16.90	36.00	8.81
6.25	292.39	16.25	43.25	26.25	16.58	36.25	8.69
6.50	270.33	16.50	41.95	26.50	16.26	36.50	8.57
6.75	250.68	16.75	40.71	26.75	15.96	36.75	8.46
7.00	233.09	17.00	39.52	27.00	15.67	37.00	8.34
7.25	217.29	17.25	38.38	27.25	15.38	37.25	8.23
7.50	203.05	17.50	37.29	27.50	15.10	37.50	8.12
7.75	190.16	17.75	36.25	27.75	14.83	37.75	8.01
8.00	178.46	18.00	35.25	28.00	14.57	38.00	7.91
8.25	167.81	18.25	34.29	28.25	14.31	38.25	7.81
8.50	158.08	18.50	33.37	28.50	14.06	38.50	7.71
8.75	149.18	18.75	32.49	28.75	13.82	38.75	7.61
9.00	141.01	19.00	31.64	29.00	13.58	39.00	7.51
9.25	133.49	19.25	30.82	29.25	13.35	39.25	7.41
9.50	126.55	19.50	30.04	29.50	13.12	39.50	7.32
9.75	120.15	19.75	29.28	29.75	12.90	39.75	7.23
10.00	114.21	20.00	28.55	30.00	12.69	40.00	7.14

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 12 – 20%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 2000% reflections)

Meters 1 Collector Meter

Time Avg: 20% % Reflection 2000%

Distance where limits are exceeded	
FCC ft. 4.51	54.16 Inches
BioInitiative ft. 338.00	4056.00 Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	7.05	54.25	3.88	68.25	2.45	82.25	1.69
40.50	6.96	54.50	3.85	68.50	2.43	82.50	1.68
40.75	6.88	54.75	3.81	68.75	2.42	82.75	1.67
41.00	6.79	55.00	3.78	69.00	2.40	83.00	1.66
41.25	6.71	55.25	3.74	69.25	2.38	83.25	1.65
41.50	6.63	55.50	3.71	69.50	2.36	83.50	1.64
41.75	6.55	55.75	3.67	69.75	2.35	83.75	1.63
42.00	6.47	56.00	3.64	70.00	2.33	84.00	1.62
42.25	6.40	56.25	3.61	70.25	2.31	84.25	1.61
42.50	6.32	56.50	3.58	70.50	2.30	84.50	1.60
42.75	6.25	56.75	3.55	70.75	2.28	84.75	1.59
43.00	6.18	57.00	3.52	71.00	2.27	85.00	1.58
43.25	6.11	57.25	3.48	71.25	2.25	85.25	1.57
43.50	6.04	57.50	3.45	71.50	2.23	85.50	1.56
43.75	5.97	57.75	3.42	71.75	2.22	85.75	1.55
44.00	5.90	58.00	3.40	72.00	2.20	86.00	1.54
44.25	5.83	58.25	3.37	72.25	2.19	86.25	1.54
44.50	5.77	58.50	3.34	72.50	2.17	86.50	1.53
44.75	5.70	58.75	3.31	72.75	2.16	86.75	1.52
45.00	5.64	59.00	3.28	73.00	2.14	87.00	1.51
45.25	5.58	59.25	3.25	73.25	2.13	87.25	1.50
45.50	5.52	59.50	3.23	73.50	2.11	87.50	1.49
45.75	5.46	59.75	3.20	73.75	2.10	87.75	1.48
46.00	5.40	60.00	3.17	74.00	2.09	88.00	1.47
46.25	5.34	60.25	3.15	74.25	2.07	88.25	1.47
46.50	5.28	60.50	3.12	74.50	2.06	88.50	1.46
46.75	5.23	60.75	3.09	74.75	2.04	88.75	1.45
47.00	5.17	61.00	3.07	75.00	2.03	89.00	1.44
47.25	5.12	61.25	3.04	75.25	2.02	89.25	1.43
47.50	5.06	61.50	3.02	75.50	2.00	89.50	1.43
47.75	5.01	61.75	3.00	75.75	1.99	89.75	1.42
48.00	4.96	62.00	2.97	76.00	1.98	90.00	1.41
48.25	4.91	62.25	2.95	76.25	1.96	90.25	1.40
48.50	4.86	62.50	2.92	76.50	1.95	90.50	1.39
48.75	4.81	62.75	2.90	76.75	1.94	90.75	1.39
49.00	4.76	63.00	2.88	77.00	1.93	91.00	1.38
49.25	4.71	63.25	2.85	77.25	1.91	91.25	1.37
49.50	4.66	63.50	2.83	77.50	1.90	91.50	1.36
49.75	4.61	63.75	2.81	77.75	1.89	91.75	1.36
50.00	4.57	64.00	2.79	78.00	1.88	92.00	1.35
50.25	4.52	64.25	2.77	78.25	1.87	92.25	1.34
50.50	4.48	64.50	2.75	78.50	1.85	92.50	1.33
50.75	4.43	64.75	2.72	78.75	1.84	92.75	1.33
51.00	4.39	65.00	2.70	79.00	1.83	93.00	1.32
51.25	4.35	65.25	2.68	79.25	1.82	93.25	1.31
51.50	4.31	65.50	2.66	79.50	1.81	93.50	1.31
51.75	4.26	65.75	2.64	79.75	1.80	93.75	1.30
52.00	4.22	66.00	2.62	80.00	1.78	94.00	1.29
52.25	4.18	66.25	2.60	80.25	1.77	94.25	1.29
52.50	4.14	66.50	2.58	80.50	1.76	94.50	1.28
52.75	4.10	66.75	2.56	80.75	1.75	94.75	1.27
53.00	4.07	67.00	2.54	81.00	1.74	95.00	1.27
53.25	4.03	67.25	2.53	81.25	1.73	95.25	1.26
53.50	3.99	67.50	2.51	81.50	1.72	95.50	1.25
53.75	3.95	67.75	2.49	81.75	1.71	95.75	1.25
54.00	3.92	68.00	2.47	82.00	1.70	96.00	1.24

Table 12 – 20%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 2000% reflections)

Meters 1 Collector Meter

Time Avg: 30% % Reflection 2000%

Distance where limits are exceeded			
FCC ft.	5.53	66.3	Inches
BioInitiative ft.	413.00	4956.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	274114.59	10.25	163.07	20.25	41.78	30.25	18.72
0.50	68528.65	10.50	155.39	20.50	40.77	30.50	18.42
0.75	30457.18	10.75	148.25	20.75	39.79	30.75	18.12
1.00	17132.16	11.00	141.59	21.00	38.85	31.00	17.83
1.25	10964.58	11.25	135.37	21.25	37.94	31.25	17.54
1.50	7614.29	11.50	129.54	21.50	37.06	31.50	17.27
1.75	5594.18	11.75	124.09	21.75	36.22	31.75	17.00
2.00	4283.04	12.00	118.97	22.00	35.40	32.00	16.73
2.25	3384.13	12.25	114.17	22.25	34.61	32.25	16.47
2.50	2741.15	12.50	109.65	22.50	33.84	32.50	16.22
2.75	2265.41	12.75	105.39	22.75	33.10	32.75	15.97
3.00	1903.57	13.00	101.37	23.00	32.39	33.00	15.73
3.25	1621.98	13.25	97.58	23.25	31.69	33.25	15.50
3.50	1398.54	13.50	94.00	23.50	31.02	33.50	15.27
3.75	1218.29	13.75	90.62	23.75	30.37	33.75	15.04
4.00	1070.76	14.00	87.41	24.00	29.74	34.00	14.82
4.25	948.49	14.25	84.37	24.25	29.13	34.25	14.60
4.50	846.03	14.50	81.48	24.50	28.54	34.50	14.39
4.75	759.32	14.75	78.75	24.75	27.97	34.75	14.19
5.00	685.29	15.00	76.14	25.00	27.41	35.00	13.99
5.25	621.58	15.25	73.67	25.25	26.87	35.25	13.79
5.50	566.35	15.50	71.31	25.50	26.35	35.50	13.59
5.75	518.18	15.75	69.06	25.75	25.84	35.75	13.40
6.00	475.89	16.00	66.92	26.00	25.34	36.00	13.22
6.25	438.58	16.25	64.88	26.25	24.86	36.25	13.04
6.50	405.49	16.50	62.93	26.50	24.40	36.50	12.86
6.75	376.01	16.75	61.06	26.75	23.94	36.75	12.69
7.00	349.64	17.00	59.28	27.00	23.50	37.00	12.51
7.25	325.94	17.25	57.58	27.25	23.07	37.25	12.35
7.50	304.57	17.50	55.94	27.50	22.65	37.50	12.18
7.75	285.24	17.75	54.38	27.75	22.25	37.75	12.02
8.00	267.69	18.00	52.88	28.00	21.85	38.00	11.86
8.25	251.71	18.25	51.44	28.25	21.47	38.25	11.71
8.50	237.12	18.50	50.06	28.50	21.09	38.50	11.56
8.75	223.77	18.75	48.73	28.75	20.73	38.75	11.41
9.00	211.51	19.00	47.46	29.00	20.37	39.00	11.26
9.25	200.23	19.25	46.23	29.25	20.02	39.25	11.12
9.50	189.83	19.50	45.05	29.50	19.69	39.50	10.98
9.75	180.22	19.75	43.92	29.75	19.36	39.75	10.84
10.00	171.32	20.00	42.83	30.00	19.04	40.00	10.71

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 12 – 30%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 2000% reflections)

Meters 1 Collector Meter

Time Avg: 30% % Reflection 2000%

Distance where limits are exceeded	
FCC ft. 5.53	66.33 Inches
BioInitiative ft. 413.00	4956.00 Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	10.58	54.25	5.82	68.25	3.68	82.25	2.53
40.50	10.44	54.50	5.77	68.50	3.65	82.50	2.52
40.75	10.32	54.75	5.72	68.75	3.62	82.75	2.50
41.00	10.19	55.00	5.66	69.00	3.60	83.00	2.49
41.25	10.07	55.25	5.61	69.25	3.57	83.25	2.47
41.50	9.95	55.50	5.56	69.50	3.55	83.50	2.46
41.75	9.83	55.75	5.51	69.75	3.52	83.75	2.44
42.00	9.71	56.00	5.46	70.00	3.50	84.00	2.43
42.25	9.60	56.25	5.41	70.25	3.47	84.25	2.41
42.50	9.48	56.50	5.37	70.50	3.45	84.50	2.40
42.75	9.37	56.75	5.32	70.75	3.42	84.75	2.39
43.00	9.27	57.00	5.27	71.00	3.40	85.00	2.37
43.25	9.16	57.25	5.23	71.25	3.37	85.25	2.36
43.50	9.05	57.50	5.18	71.50	3.35	85.50	2.34
43.75	8.95	57.75	5.14	71.75	3.33	85.75	2.33
44.00	8.85	58.00	5.09	72.00	3.30	86.00	2.32
44.25	8.75	58.25	5.05	72.25	3.28	86.25	2.30
44.50	8.65	58.50	5.01	72.50	3.26	86.50	2.29
44.75	8.56	58.75	4.96	72.75	3.24	86.75	2.28
45.00	8.46	59.00	4.92	73.00	3.21	87.00	2.26
45.25	8.37	59.25	4.88	73.25	3.19	87.25	2.25
45.50	8.28	59.50	4.84	73.50	3.17	87.50	2.24
45.75	8.19	59.75	4.80	73.75	3.15	87.75	2.22
46.00	8.10	60.00	4.76	74.00	3.13	88.00	2.21
46.25	8.01	60.25	4.72	74.25	3.11	88.25	2.20
46.50	7.92	60.50	4.68	74.50	3.09	88.50	2.19
46.75	7.84	60.75	4.64	74.75	3.07	88.75	2.18
47.00	7.76	61.00	4.60	75.00	3.05	89.00	2.16
47.25	7.67	61.25	4.57	75.25	3.03	89.25	2.15
47.50	7.59	61.50	4.53	75.50	3.01	89.50	2.14
47.75	7.51	61.75	4.49	75.75	2.99	89.75	2.13
48.00	7.44	62.00	4.46	76.00	2.97	90.00	2.12
48.25	7.36	62.25	4.42	76.25	2.95	90.25	2.10
48.50	7.28	62.50	4.39	76.50	2.93	90.50	2.09
48.75	7.21	62.75	4.35	76.75	2.91	90.75	2.08
49.00	7.14	63.00	4.32	77.00	2.89	91.00	2.07
49.25	7.06	63.25	4.28	77.25	2.87	91.25	2.06
49.50	6.99	63.50	4.25	77.50	2.85	91.50	2.05
49.75	6.92	63.75	4.22	77.75	2.83	91.75	2.04
50.00	6.85	64.00	4.18	78.00	2.82	92.00	2.02
50.25	6.78	64.25	4.15	78.25	2.80	92.25	2.01
50.50	6.72	64.50	4.12	78.50	2.78	92.50	2.00
50.75	6.65	64.75	4.09	78.75	2.76	92.75	1.99
51.00	6.59	65.00	4.05	79.00	2.75	93.00	1.98
51.25	6.52	65.25	4.02	79.25	2.73	93.25	1.97
51.50	6.46	65.50	3.99	79.50	2.71	93.50	1.96
51.75	6.40	65.75	3.96	79.75	2.69	93.75	1.95
52.00	6.34	66.00	3.93	80.00	2.68	94.00	1.94
52.25	6.28	66.25	3.90	80.25	2.66	94.25	1.93
52.50	6.22	66.50	3.87	80.50	2.64	94.50	1.92
52.75	6.16	66.75	3.85	80.75	2.63	94.75	1.91
53.00	6.10	67.00	3.82	81.00	2.61	95.00	1.90
53.25	6.04	67.25	3.79	81.25	2.60	95.25	1.89
53.50	5.99	67.50	3.76	81.50	2.58	95.50	1.88
53.75	5.93	67.75	3.73	81.75	2.56	95.75	1.87
54.00	5.88	68.00	3.71	82.00	2.55	96.00	1.86

Table 12 – 30%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 2000% reflections)

Meters 1 Collector Meter

Time Avg: 40% % Reflection 2000%

Distance where limits are exceeded			
FCC ft.	6.38	76.6	Inches
BioInitiative ft.	478.00	5736.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	365486.12	10.25	217.42	20.25	55.71	30.25	24.96
0.50	91371.53	10.50	207.19	20.50	54.36	30.50	24.56
0.75	40609.57	10.75	197.67	20.75	53.05	30.75	24.16
1.00	22842.88	11.00	188.78	21.00	51.80	31.00	23.77
1.25	14619.44	11.25	180.49	21.25	50.59	31.25	23.39
1.50	10152.39	11.50	172.73	21.50	49.42	31.50	23.02
1.75	7458.90	11.75	165.45	21.75	48.29	31.75	22.66
2.00	5710.72	12.00	158.63	22.00	47.20	32.00	22.31
2.25	4512.17	12.25	152.22	22.25	46.14	32.25	21.96
2.50	3654.86	12.50	146.19	22.50	45.12	32.50	21.63
2.75	3020.55	12.75	140.52	22.75	44.14	32.75	21.30
3.00	2538.10	13.00	135.16	23.00	43.18	33.00	20.98
3.25	2162.64	13.25	130.11	23.25	42.26	33.25	20.66
3.50	1864.73	13.50	125.34	23.50	41.36	33.50	20.35
3.75	1624.38	13.75	120.82	23.75	40.50	33.75	20.05
4.00	1427.68	14.00	116.55	24.00	39.66	34.00	19.76
4.25	1264.66	14.25	112.49	24.25	38.84	34.25	19.47
4.50	1128.04	14.50	108.65	24.50	38.06	34.50	19.19
4.75	1012.43	14.75	104.99	24.75	37.29	34.75	18.92
5.00	913.72	15.00	101.52	25.00	36.55	35.00	18.65
5.25	828.77	15.25	98.22	25.25	35.83	35.25	18.38
5.50	755.14	15.50	95.08	25.50	35.13	35.50	18.13
5.75	690.90	15.75	92.09	25.75	34.45	35.75	17.87
6.00	634.52	16.00	89.23	26.00	33.79	36.00	17.63
6.25	584.78	16.25	86.51	26.25	33.15	36.25	17.38
6.50	540.66	16.50	83.90	26.50	32.53	36.50	17.15
6.75	501.35	16.75	81.42	26.75	31.92	36.75	16.91
7.00	466.18	17.00	79.04	27.00	31.33	37.00	16.69
7.25	434.59	17.25	76.77	27.25	30.76	37.25	16.46
7.50	406.10	17.50	74.59	27.50	30.21	37.50	16.24
7.75	380.32	17.75	72.50	27.75	29.66	37.75	16.03
8.00	356.92	18.00	70.50	28.00	29.14	38.00	15.82
8.25	335.62	18.25	68.58	28.25	28.62	38.25	15.61
8.50	316.16	18.50	66.74	28.50	28.12	38.50	15.41
8.75	298.36	18.75	64.98	28.75	27.64	38.75	15.21
9.00	282.01	19.00	63.28	29.00	27.16	39.00	15.02
9.25	266.97	19.25	61.64	29.25	26.70	39.25	14.83
9.50	253.11	19.50	60.07	29.50	26.25	39.50	14.64
9.75	240.29	19.75	58.56	29.75	25.81	39.75	14.46
10.00	228.43	20.00	57.11	30.00	25.38	40.00	14.28

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 12 – 40%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 2000% reflections)

Meters 1 Collector Meter

Time Avg: 40% % Reflection 2000%

Distance where limits are exceeded			
FCC ft. 6.38		76.59 Inches	
BioInitiative ft. 478.00		5736.00 Inches	

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	14.10	54.25	7.76	68.25	4.90	82.25	3.38
40.50	13.93	54.50	7.69	68.50	4.87	82.50	3.36
40.75	13.76	54.75	7.62	68.75	4.83	82.75	3.34
41.00	13.59	55.00	7.55	69.00	4.80	83.00	3.32
41.25	13.42	55.25	7.48	69.25	4.76	83.25	3.30
41.50	13.26	55.50	7.42	69.50	4.73	83.50	3.28
41.75	13.11	55.75	7.35	69.75	4.70	83.75	3.26
42.00	12.95	56.00	7.28	70.00	4.66	84.00	3.24
42.25	12.80	56.25	7.22	70.25	4.63	84.25	3.22
42.50	12.65	56.50	7.16	70.50	4.60	84.50	3.20
42.75	12.50	56.75	7.09	70.75	4.56	84.75	3.18
43.00	12.35	57.00	7.03	71.00	4.53	85.00	3.16
43.25	12.21	57.25	6.97	71.25	4.50	85.25	3.14
43.50	12.07	57.50	6.91	71.50	4.47	85.50	3.12
43.75	11.93	57.75	6.85	71.75	4.44	85.75	3.11
44.00	11.80	58.00	6.79	72.00	4.41	86.00	3.09
44.25	11.67	58.25	6.73	72.25	4.38	86.25	3.07
44.50	11.54	58.50	6.67	72.50	4.35	86.50	3.05
44.75	11.41	58.75	6.62	72.75	4.32	86.75	3.04
45.00	11.28	59.00	6.56	73.00	4.29	87.00	3.02
45.25	11.16	59.25	6.51	73.25	4.26	87.25	3.00
45.50	11.03	59.50	6.45	73.50	4.23	87.50	2.98
45.75	10.91	59.75	6.40	73.75	4.20	87.75	2.97
46.00	10.80	60.00	6.35	74.00	4.17	88.00	2.95
46.25	10.68	60.25	6.29	74.25	4.14	88.25	2.93
46.50	10.56	60.50	6.24	74.50	4.12	88.50	2.92
46.75	10.45	60.75	6.19	74.75	4.09	88.75	2.90
47.00	10.34	61.00	6.14	75.00	4.06	89.00	2.88
47.25	10.23	61.25	6.09	75.25	4.03	89.25	2.87
47.50	10.12	61.50	6.04	75.50	4.01	89.50	2.85
47.75	10.02	61.75	5.99	75.75	3.98	89.75	2.84
48.00	9.91	62.00	5.94	76.00	3.95	90.00	2.82
48.25	9.81	62.25	5.89	76.25	3.93	90.25	2.80
48.50	9.71	62.50	5.85	76.50	3.90	90.50	2.79
48.75	9.61	62.75	5.80	76.75	3.88	90.75	2.77
49.00	9.51	63.00	5.76	77.00	3.85	91.00	2.76
49.25	9.42	63.25	5.71	77.25	3.83	91.25	2.74
49.50	9.32	63.50	5.67	77.50	3.80	91.50	2.73
49.75	9.23	63.75	5.62	77.75	3.78	91.75	2.71
50.00	9.14	64.00	5.58	78.00	3.75	92.00	2.70
50.25	9.05	64.25	5.53	78.25	3.73	92.25	2.68
50.50	8.96	64.50	5.49	78.50	3.71	92.50	2.67
50.75	8.87	64.75	5.45	78.75	3.68	92.75	2.66
51.00	8.78	65.00	5.41	79.00	3.66	93.00	2.64
51.25	8.70	65.25	5.37	79.25	3.64	93.25	2.63
51.50	8.61	65.50	5.32	79.50	3.61	93.50	2.61
51.75	8.53	65.75	5.28	79.75	3.59	93.75	2.60
52.00	8.45	66.00	5.24	80.00	3.57	94.00	2.59
52.25	8.37	66.25	5.20	80.25	3.55	94.25	2.57
52.50	8.29	66.50	5.17	80.50	3.53	94.50	2.56
52.75	8.21	66.75	5.13	80.75	3.50	94.75	2.54
53.00	8.13	67.00	5.09	81.00	3.48	95.00	2.53
53.25	8.06	67.25	5.05	81.25	3.46	95.25	2.52
53.50	7.98	67.50	5.01	81.50	3.44	95.50	2.50
53.75	7.91	67.75	4.98	81.75	3.42	95.75	2.49
54.00	7.83	68.00	4.94	82.00	3.40	96.00	2.48

Table 12 – 40%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 2000% reflections)

Meters 1 Collector Meter

Time Avg: 50% % Reflection 2000%

Distance where limits are exceeded			
FCC ft.	7.14	85.6	Inches
BioInitiative ft.	535.00	6420.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	456857.65	10.25	271.78	20.25	69.63	30.25	31.20
0.50	114214.41	10.50	258.99	20.50	67.94	30.50	30.69
0.75	50761.96	10.75	247.08	20.75	66.32	30.75	30.20
1.00	28553.60	11.00	235.98	21.00	64.75	31.00	29.71
1.25	18274.31	11.25	225.61	21.25	63.23	31.25	29.24
1.50	12690.49	11.50	215.91	21.50	61.77	31.50	28.78
1.75	9323.63	11.75	206.82	21.75	60.36	31.75	28.33
2.00	7138.40	12.00	198.29	22.00	59.00	32.00	27.88
2.25	5640.22	12.25	190.28	22.25	57.68	32.25	27.45
2.50	4568.58	12.50	182.74	22.50	56.40	32.50	27.03
2.75	3775.68	12.75	175.65	22.75	55.17	32.75	26.62
3.00	3172.62	13.00	168.96	23.00	53.98	33.00	26.22
3.25	2703.30	13.25	162.64	23.25	52.82	33.25	25.83
3.50	2330.91	13.50	156.67	23.50	51.70	33.50	25.44
3.75	2030.48	13.75	151.03	23.75	50.62	33.75	25.07
4.00	1784.60	14.00	145.68	24.00	49.57	34.00	24.70
4.25	1580.82	14.25	140.61	24.25	48.56	34.25	24.34
4.50	1410.05	14.50	135.81	24.50	47.57	34.50	23.99
4.75	1265.53	14.75	131.24	24.75	46.61	34.75	23.65
5.00	1142.14	15.00	126.90	25.00	45.69	35.00	23.31
5.25	1035.96	15.25	122.78	25.25	44.79	35.25	22.98
5.50	943.92	15.50	118.85	25.50	43.91	35.50	22.66
5.75	863.63	15.75	115.11	25.75	43.06	35.75	22.34
6.00	793.16	16.00	111.54	26.00	42.24	36.00	22.03
6.25	730.97	16.25	108.13	26.25	41.44	36.25	21.73
6.50	675.82	16.50	104.88	26.50	40.66	36.50	21.43
6.75	626.69	16.75	101.77	26.75	39.90	36.75	21.14
7.00	582.73	17.00	98.80	27.00	39.17	37.00	20.86
7.25	543.23	17.25	95.96	27.25	38.45	37.25	20.58
7.50	507.62	17.50	93.24	27.50	37.76	37.50	20.30
7.75	475.40	17.75	90.63	27.75	37.08	37.75	20.04
8.00	446.15	18.00	88.13	28.00	36.42	38.00	19.77
8.25	419.52	18.25	85.73	28.25	35.78	38.25	19.52
8.50	395.21	18.50	83.43	28.50	35.15	38.50	19.26
8.75	372.95	18.75	81.22	28.75	34.55	38.75	19.02
9.00	352.51	19.00	79.10	29.00	33.95	39.00	18.77
9.25	333.72	19.25	77.05	29.25	33.37	39.25	18.53
9.50	316.38	19.50	75.09	29.50	32.81	39.50	18.30
9.75	300.37	19.75	73.20	29.75	32.26	39.75	18.07
10.00	285.54	20.00	71.38	30.00	31.73	40.00	17.85

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 12 – 50%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 2000% reflections)

Meters 1 Collector Meter

Time Avg: 50% % Reflection 2000%

Distance where limits are exceeded	
FCC ft. 7.14	85.63 Inches
BioInitiative ft. 535.00	6420.00 Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	17.63	54.25	9.70	68.25	6.13	82.25	4.22
40.50	17.41	54.50	9.61	68.50	6.09	82.50	4.20
40.75	17.20	54.75	9.53	68.75	6.04	82.75	4.17
41.00	16.99	55.00	9.44	69.00	6.00	83.00	4.14
41.25	16.78	55.25	9.35	69.25	5.95	83.25	4.12
41.50	16.58	55.50	9.27	69.50	5.91	83.50	4.10
41.75	16.38	55.75	9.19	69.75	5.87	83.75	4.07
42.00	16.19	56.00	9.11	70.00	5.83	84.00	4.05
42.25	16.00	56.25	9.02	70.25	5.79	84.25	4.02
42.50	15.81	56.50	8.94	70.50	5.74	84.50	4.00
42.75	15.62	56.75	8.87	70.75	5.70	84.75	3.98
43.00	15.44	57.00	8.79	71.00	5.66	85.00	3.95
43.25	15.26	57.25	8.71	71.25	5.62	85.25	3.93
43.50	15.09	57.50	8.64	71.50	5.59	85.50	3.91
43.75	14.92	57.75	8.56	71.75	5.55	85.75	3.88
44.00	14.75	58.00	8.49	72.00	5.51	86.00	3.86
44.25	14.58	58.25	8.42	72.25	5.47	86.25	3.84
44.50	14.42	58.50	8.34	72.50	5.43	86.50	3.82
44.75	14.26	58.75	8.27	72.75	5.40	86.75	3.79
45.00	14.10	59.00	8.20	73.00	5.36	87.00	3.77
45.25	13.95	59.25	8.13	73.25	5.32	87.25	3.75
45.50	13.79	59.50	8.07	73.50	5.29	87.50	3.73
45.75	13.64	59.75	8.00	73.75	5.25	87.75	3.71
46.00	13.49	60.00	7.93	74.00	5.21	88.00	3.69
46.25	13.35	60.25	7.87	74.25	5.18	88.25	3.67
46.50	13.21	60.50	7.80	74.50	5.14	88.50	3.65
46.75	13.06	60.75	7.74	74.75	5.11	88.75	3.63
47.00	12.93	61.00	7.67	75.00	5.08	89.00	3.60
47.25	12.79	61.25	7.61	75.25	5.04	89.25	3.58
47.50	12.66	61.50	7.55	75.50	5.01	89.50	3.56
47.75	12.52	61.75	7.49	75.75	4.98	89.75	3.54
48.00	12.39	62.00	7.43	76.00	4.94	90.00	3.53
48.25	12.26	62.25	7.37	76.25	4.91	90.25	3.51
48.50	12.14	62.50	7.31	76.50	4.88	90.50	3.49
48.75	12.01	62.75	7.25	76.75	4.85	90.75	3.47
49.00	11.89	63.00	7.19	77.00	4.82	91.00	3.45
49.25	11.77	63.25	7.14	77.25	4.78	91.25	3.43
49.50	11.65	63.50	7.08	77.50	4.75	91.50	3.41
49.75	11.54	63.75	7.03	77.75	4.72	91.75	3.39
50.00	11.42	64.00	6.97	78.00	4.69	92.00	3.37
50.25	11.31	64.25	6.92	78.25	4.66	92.25	3.36
50.50	11.20	64.50	6.86	78.50	4.63	92.50	3.34
50.75	11.09	64.75	6.81	78.75	4.60	92.75	3.32
51.00	10.98	65.00	6.76	79.00	4.58	93.00	3.30
51.25	10.87	65.25	6.71	79.25	4.55	93.25	3.28
51.50	10.77	65.50	6.66	79.50	4.52	93.50	3.27
51.75	10.66	65.75	6.60	79.75	4.49	93.75	3.25
52.00	10.56	66.00	6.56	80.00	4.46	94.00	3.23
52.25	10.46	66.25	6.51	80.25	4.43	94.25	3.21
52.50	10.36	66.50	6.46	80.50	4.41	94.50	3.20
52.75	10.26	66.75	6.41	80.75	4.38	94.75	3.18
53.00	10.17	67.00	6.36	81.00	4.35	95.00	3.16
53.25	10.07	67.25	6.31	81.25	4.33	95.25	3.15
53.50	9.98	67.50	6.27	81.50	4.30	95.50	3.13
53.75	9.88	67.75	6.22	81.75	4.27	95.75	3.11
54.00	9.79	68.00	6.18	82.00	4.25	96.00	3.10

Table 12 – 50%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 2000% reflections)

Meters 1 Collector Meter

Time Avg: 60% % Reflection 2000%

Distance where limits are exceeded			
FCC ft.	7.82	93.8	Inches
BioInitiative ft.	585.00	7020.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	548229.17	10.25	326.13	20.25	83.56	30.25	37.44
0.50	137057.29	10.50	310.79	20.50	81.53	30.50	36.83
0.75	60914.35	10.75	296.50	20.75	79.58	30.75	36.24
1.00	34264.32	11.00	283.18	21.00	77.70	31.00	35.65
1.25	21929.17	11.25	270.73	21.25	75.88	31.25	35.09
1.50	15228.59	11.50	259.09	21.50	74.13	31.50	34.53
1.75	11188.35	11.75	248.18	21.75	72.43	31.75	33.99
2.00	8566.08	12.00	237.95	22.00	70.79	32.00	33.46
2.25	6768.26	12.25	228.33	22.25	69.21	32.25	32.94
2.50	5482.29	12.50	219.29	22.50	67.68	32.50	32.44
2.75	4530.82	12.75	210.78	22.75	66.20	32.75	31.95
3.00	3807.15	13.00	202.75	23.00	64.77	33.00	31.46
3.25	3243.96	13.25	195.17	23.25	63.39	33.25	30.99
3.50	2797.09	13.50	188.01	23.50	62.04	33.50	30.53
3.75	2436.57	13.75	181.23	23.75	60.75	33.75	30.08
4.00	2141.52	14.00	174.82	24.00	59.49	34.00	29.64
4.25	1896.99	14.25	168.74	24.25	58.27	34.25	29.21
4.50	1692.07	14.50	162.97	24.50	57.08	34.50	28.79
4.75	1518.64	14.75	157.49	24.75	55.94	34.75	28.37
5.00	1370.57	15.00	152.29	25.00	54.82	35.00	27.97
5.25	1243.15	15.25	147.33	25.25	53.74	35.25	27.58
5.50	1132.70	15.50	142.62	25.50	52.69	35.50	27.19
5.75	1036.35	15.75	138.13	25.75	51.68	35.75	26.81
6.00	951.79	16.00	133.85	26.00	50.69	36.00	26.44
6.25	877.17	16.25	129.76	26.25	49.73	36.25	26.08
6.50	810.99	16.50	125.86	26.50	48.79	36.50	25.72
6.75	752.03	16.75	122.13	26.75	47.88	36.75	25.37
7.00	699.27	17.00	118.56	27.00	47.00	37.00	25.03
7.25	651.88	17.25	115.15	27.25	46.14	37.25	24.69
7.50	609.14	17.50	111.88	27.50	45.31	37.50	24.37
7.75	570.48	17.75	108.75	27.75	44.50	37.75	24.04
8.00	535.38	18.00	105.75	28.00	43.70	38.00	23.73
8.25	503.42	18.25	102.88	28.25	42.93	38.25	23.42
8.50	474.25	18.50	100.11	28.50	42.18	38.50	23.12
8.75	447.53	18.75	97.46	28.75	41.45	38.75	22.82
9.00	423.02	19.00	94.92	29.00	40.74	39.00	22.53
9.25	400.46	19.25	92.47	29.25	40.05	39.25	22.24
9.50	379.66	19.50	90.11	29.50	39.37	39.50	21.96
9.75	360.44	19.75	87.84	29.75	38.71	39.75	21.69
10.00	342.64	20.00	85.66	30.00	38.07	40.00	21.42

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 12 – 60%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 2000% reflections)

Meters 1 Collector Meter

Time Avg: 60% % Reflection 2000%

Distance where limits are exceeded	
FCC ft. 7.82	93.80 Inches
BioInitiative ft. 585.00	7020.00 Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	21.15	54.25	11.64	68.25	7.36	82.25	5.06
40.50	20.89	54.50	11.54	68.50	7.30	82.50	5.03
40.75	20.63	54.75	11.43	68.75	7.25	82.75	5.00
41.00	20.38	55.00	11.33	69.00	7.20	83.00	4.97
41.25	20.14	55.25	11.22	69.25	7.15	83.25	4.94
41.50	19.90	55.50	11.12	69.50	7.09	83.50	4.91
41.75	19.66	55.75	11.02	69.75	7.04	83.75	4.89
42.00	19.42	56.00	10.93	70.00	6.99	84.00	4.86
42.25	19.20	56.25	10.83	70.25	6.94	84.25	4.83
42.50	18.97	56.50	10.73	70.50	6.89	84.50	4.80
42.75	18.75	56.75	10.64	70.75	6.85	84.75	4.77
43.00	18.53	57.00	10.55	71.00	6.80	85.00	4.74
43.25	18.32	57.25	10.45	71.25	6.75	85.25	4.71
43.50	18.11	57.50	10.36	71.50	6.70	85.50	4.69
43.75	17.90	57.75	10.27	71.75	6.66	85.75	4.66
44.00	17.70	58.00	10.19	72.00	6.61	86.00	4.63
44.25	17.50	58.25	10.10	72.25	6.56	86.25	4.61
44.50	17.30	58.50	10.01	72.50	6.52	86.50	4.58
44.75	17.11	58.75	9.93	72.75	6.47	86.75	4.55
45.00	16.92	59.00	9.84	73.00	6.43	87.00	4.53
45.25	16.73	59.25	9.76	73.25	6.39	87.25	4.50
45.50	16.55	59.50	9.68	73.50	6.34	87.50	4.48
45.75	16.37	59.75	9.60	73.75	6.30	87.75	4.45
46.00	16.19	60.00	9.52	74.00	6.26	88.00	4.42
46.25	16.02	60.25	9.44	74.25	6.22	88.25	4.40
46.50	15.85	60.50	9.36	74.50	6.17	88.50	4.37
46.75	15.68	60.75	9.28	74.75	6.13	88.75	4.35
47.00	15.51	61.00	9.21	75.00	6.09	89.00	4.33
47.25	15.35	61.25	9.13	75.25	6.05	89.25	4.30
47.50	15.19	61.50	9.06	75.50	6.01	89.50	4.28
47.75	15.03	61.75	8.99	75.75	5.97	89.75	4.25
48.00	14.87	62.00	8.91	76.00	5.93	90.00	4.23
48.25	14.72	62.25	8.84	76.25	5.89	90.25	4.21
48.50	14.57	62.50	8.77	76.50	5.85	90.50	4.18
48.75	14.42	62.75	8.70	76.75	5.82	90.75	4.16
49.00	14.27	63.00	8.63	77.00	5.78	91.00	4.14
49.25	14.13	63.25	8.56	77.25	5.74	91.25	4.12
49.50	13.98	63.50	8.50	77.50	5.70	91.50	4.09
49.75	13.84	63.75	8.43	77.75	5.67	91.75	4.07
50.00	13.71	64.00	8.37	78.00	5.63	92.00	4.05
50.25	13.57	64.25	8.30	78.25	5.60	92.25	4.03
50.50	13.44	64.50	8.24	78.50	5.56	92.50	4.00
50.75	13.30	64.75	8.17	78.75	5.53	92.75	3.98
51.00	13.17	65.00	8.11	79.00	5.49	93.00	3.96
51.25	13.05	65.25	8.05	79.25	5.46	93.25	3.94
51.50	12.92	65.50	7.99	79.50	5.42	93.50	3.92
51.75	12.79	65.75	7.93	79.75	5.39	93.75	3.90
52.00	12.67	66.00	7.87	80.00	5.35	94.00	3.88
52.25	12.55	66.25	7.81	80.25	5.32	94.25	3.86
52.50	12.43	66.50	7.75	80.50	5.29	94.50	3.84
52.75	12.31	66.75	7.69	80.75	5.25	94.75	3.82
53.00	12.20	67.00	7.63	81.00	5.22	95.00	3.80
53.25	12.08	67.25	7.58	81.25	5.19	95.25	3.78
53.50	11.97	67.50	7.52	81.50	5.16	95.50	3.76
53.75	11.86	67.75	7.46	81.75	5.13	95.75	3.74
54.00	11.75	68.00	7.41	82.00	5.10	96.00	3.72

Table 12 – 60%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 2000% reflections)

Meters 1 Collector Meter

Time Avg: 70% % Reflection 2000%

Distance where limits are exceeded			
FCC ft.	8.44	101.3	Inches
BioInitiative ft.	632.00	7584.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	639600.70	10.25	380.49	20.25	97.49	30.25	43.69
0.50	159900.18	10.50	362.59	20.50	95.12	30.50	42.97
0.75	71066.74	10.75	345.92	20.75	92.84	30.75	42.28
1.00	39975.04	11.00	330.37	21.00	90.65	31.00	41.60
1.25	25584.03	11.25	315.85	21.25	88.53	31.25	40.93
1.50	17766.69	11.50	302.27	21.50	86.48	31.50	40.29
1.75	13053.08	11.75	289.54	21.75	84.50	31.75	39.66
2.00	9993.76	12.00	277.60	22.00	82.59	32.00	39.04
2.25	7896.30	12.25	266.39	22.25	80.75	32.25	38.44
2.50	6396.01	12.50	255.84	22.50	78.96	32.50	37.85
2.75	5285.96	12.75	245.91	22.75	77.24	32.75	37.27
3.00	4441.67	13.00	236.54	23.00	75.57	33.00	36.71
3.25	3784.62	13.25	227.70	23.25	73.95	33.25	36.16
3.50	3263.27	13.50	219.34	23.50	72.39	33.50	35.62
3.75	2842.67	13.75	211.44	23.75	70.87	33.75	35.09
4.00	2498.44	14.00	203.95	24.00	69.40	34.00	34.58
4.25	2213.15	14.25	196.86	24.25	67.98	34.25	34.08
4.50	1974.08	14.50	190.13	24.50	66.60	34.50	33.59
4.75	1771.75	14.75	183.74	24.75	65.26	34.75	33.10
5.00	1599.00	15.00	177.67	25.00	63.96	35.00	32.63
5.25	1450.34	15.25	171.89	25.25	62.70	35.25	32.17
5.50	1321.49	15.50	166.39	25.50	61.48	35.50	31.72
5.75	1209.08	15.75	161.15	25.75	60.29	35.75	31.28
6.00	1110.42	16.00	156.15	26.00	59.13	36.00	30.84
6.25	1023.36	16.25	151.38	26.25	58.01	36.25	30.42
6.50	946.15	16.50	146.83	26.50	56.92	36.50	30.01
6.75	877.37	16.75	142.48	26.75	55.87	36.75	29.60
7.00	815.82	17.00	138.32	27.00	54.84	37.00	29.20
7.25	760.52	17.25	134.34	27.25	53.83	37.25	28.81
7.50	710.67	17.50	130.53	27.50	52.86	37.50	28.43
7.75	665.56	17.75	126.88	27.75	51.91	37.75	28.05
8.00	624.61	18.00	123.38	28.00	50.99	38.00	27.68
8.25	587.33	18.25	120.02	28.25	50.09	38.25	27.32
8.50	553.29	18.50	116.80	28.50	49.22	38.50	26.97
8.75	522.12	18.75	113.71	28.75	48.36	38.75	26.62
9.00	493.52	19.00	110.73	29.00	47.53	39.00	26.28
9.25	467.20	19.25	107.88	29.25	46.72	39.25	25.95
9.50	442.94	19.50	105.13	29.50	45.94	39.50	25.62
9.75	420.51	19.75	102.48	29.75	45.17	39.75	25.30
10.00	399.75	20.00	99.94	30.00	44.42	40.00	24.98

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 12 – 70%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 2000% reflections)

Meters 1 Collector Meter

Time Avg: 70% % Reflection 2000%

Distance where limits are exceeded	
FCC ft. 8.44	101.32 Inches
BioInitiative ft. 632.00	7584.00 Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	24.68	54.25	13.58	68.25	8.58	82.25	5.91
40.50	24.37	54.50	13.46	68.50	8.52	82.50	5.87
40.75	24.07	54.75	13.34	68.75	8.46	82.75	5.84
41.00	23.78	55.00	13.21	69.00	8.40	83.00	5.80
41.25	23.49	55.25	13.10	69.25	8.34	83.25	5.77
41.50	23.21	55.50	12.98	69.50	8.28	83.50	5.73
41.75	22.93	55.75	12.86	69.75	8.22	83.75	5.70
42.00	22.66	56.00	12.75	70.00	8.16	84.00	5.67
42.25	22.39	56.25	12.63	70.25	8.10	84.25	5.63
42.50	22.13	56.50	12.52	70.50	8.04	84.50	5.60
42.75	21.87	56.75	12.41	70.75	7.99	84.75	5.57
43.00	21.62	57.00	12.30	71.00	7.93	85.00	5.53
43.25	21.37	57.25	12.20	71.25	7.87	85.25	5.50
43.50	21.13	57.50	12.09	71.50	7.82	85.50	5.47
43.75	20.88	57.75	11.99	71.75	7.77	85.75	5.44
44.00	20.65	58.00	11.88	72.00	7.71	86.00	5.40
44.25	20.42	58.25	11.78	72.25	7.66	86.25	5.37
44.50	20.19	58.50	11.68	72.50	7.61	86.50	5.34
44.75	19.96	58.75	11.58	72.75	7.55	86.75	5.31
45.00	19.74	59.00	11.48	73.00	7.50	87.00	5.28
45.25	19.52	59.25	11.39	73.25	7.45	87.25	5.25
45.50	19.31	59.50	11.29	73.50	7.40	87.50	5.22
45.75	19.10	59.75	11.20	73.75	7.35	87.75	5.19
46.00	18.89	60.00	11.10	74.00	7.30	88.00	5.16
46.25	18.69	60.25	11.01	74.25	7.25	88.25	5.13
46.50	18.49	60.50	10.92	74.50	7.20	88.50	5.10
46.75	18.29	60.75	10.83	74.75	7.15	88.75	5.08
47.00	18.10	61.00	10.74	75.00	7.11	89.00	5.05
47.25	17.91	61.25	10.66	75.25	7.06	89.25	5.02
47.50	17.72	61.50	10.57	75.50	7.01	89.50	4.99
47.75	17.53	61.75	10.48	75.75	6.97	89.75	4.96
48.00	17.35	62.00	10.40	76.00	6.92	90.00	4.94
48.25	17.17	62.25	10.32	76.25	6.88	90.25	4.91
48.50	16.99	62.50	10.23	76.50	6.83	90.50	4.88
48.75	16.82	62.75	10.15	76.75	6.79	90.75	4.85
49.00	16.65	63.00	10.07	77.00	6.74	91.00	4.83
49.25	16.48	63.25	9.99	77.25	6.70	91.25	4.80
49.50	16.31	63.50	9.91	77.50	6.66	91.50	4.77
49.75	16.15	63.75	9.84	77.75	6.61	91.75	4.75
50.00	15.99	64.00	9.76	78.00	6.57	92.00	4.72
50.25	15.83	64.25	9.68	78.25	6.53	92.25	4.70
50.50	15.67	64.50	9.61	78.50	6.49	92.50	4.67
50.75	15.52	64.75	9.53	78.75	6.45	92.75	4.65
51.00	15.37	65.00	9.46	79.00	6.41	93.00	4.62
51.25	15.22	65.25	9.39	79.25	6.36	93.25	4.60
51.50	15.07	65.50	9.32	79.50	6.32	93.50	4.57
51.75	14.93	65.75	9.25	79.75	6.29	93.75	4.55
52.00	14.78	66.00	9.18	80.00	6.25	94.00	4.52
52.25	14.64	66.25	9.11	80.25	6.21	94.25	4.50
52.50	14.50	66.50	9.04	80.50	6.17	94.50	4.48
52.75	14.37	66.75	8.97	80.75	6.13	94.75	4.45
53.00	14.23	67.00	8.91	81.00	6.09	95.00	4.43
53.25	14.10	67.25	8.84	81.25	6.06	95.25	4.41
53.50	13.97	67.50	8.77	81.50	6.02	95.50	4.38
53.75	13.84	67.75	8.71	81.75	5.98	95.75	4.36
54.00	13.71	68.00	8.65	82.00	5.95	96.00	4.34

Table 12 – 70%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 2000% reflections)

Meters 1 Collector Meter

Time Avg: 80% % Reflection 2000%

Distance where limits are exceeded			
FCC ft.	9.03	108.3	Inches
BioInitiative ft.	675.00	8100.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	730972.23	10.25	434.84	20.25	111.41	30.25	49.93
0.50	182743.06	10.50	414.38	20.50	108.71	30.50	49.11
0.75	81219.14	10.75	395.33	20.75	106.11	30.75	48.32
1.00	45685.76	11.00	377.57	21.00	103.60	31.00	47.54
1.25	29238.89	11.25	360.97	21.25	101.17	31.25	46.78
1.50	20304.78	11.50	345.45	21.50	98.83	31.50	46.04
1.75	14917.80	11.75	330.91	21.75	96.57	31.75	45.32
2.00	11421.44	12.00	317.26	22.00	94.39	32.00	44.62
2.25	9024.35	12.25	304.44	22.25	92.28	32.25	43.93
2.50	7309.72	12.50	292.39	22.50	90.24	32.50	43.25
2.75	6041.09	12.75	281.04	22.75	88.27	32.75	42.59
3.00	5076.20	13.00	270.33	23.00	86.36	33.00	41.95
3.25	4325.28	13.25	260.23	23.25	84.52	33.25	41.32
3.50	3729.45	13.50	250.68	23.50	82.73	33.50	40.71
3.75	3248.77	13.75	241.64	23.75	80.99	33.75	40.11
4.00	2855.36	14.00	233.09	24.00	79.32	34.00	39.52
4.25	2529.32	14.25	224.98	24.25	77.69	34.25	38.95
4.50	2256.09	14.50	217.29	24.50	76.11	34.50	38.38
4.75	2024.85	14.75	209.99	24.75	74.58	34.75	37.83
5.00	1827.43	15.00	203.05	25.00	73.10	35.00	37.29
5.25	1657.53	15.25	196.45	25.25	71.66	35.25	36.77
5.50	1510.27	15.50	190.16	25.50	70.26	35.50	36.25
5.75	1381.80	15.75	184.17	25.75	68.90	35.75	35.75
6.00	1269.05	16.00	178.46	26.00	67.58	36.00	35.25
6.25	1169.56	16.25	173.01	26.25	66.30	36.25	34.77
6.50	1081.32	16.50	167.81	26.50	65.06	36.50	34.29
6.75	1002.71	16.75	162.84	26.75	63.85	36.75	33.83
7.00	932.36	17.00	158.08	27.00	62.67	37.00	33.37
7.25	869.17	17.25	153.53	27.25	61.52	37.25	32.93
7.50	812.19	17.50	149.18	27.50	60.41	37.50	32.49
7.75	760.64	17.75	145.01	27.75	59.33	37.75	32.06
8.00	713.84	18.00	141.01	28.00	58.27	38.00	31.64
8.25	671.23	18.25	137.17	28.25	57.25	38.25	31.23
8.50	632.33	18.50	133.49	28.50	56.25	38.50	30.82
8.75	596.71	18.75	129.95	28.75	55.27	38.75	30.43
9.00	564.02	19.00	126.55	29.00	54.32	39.00	30.04
9.25	533.95	19.25	123.29	29.25	53.40	39.25	29.66
9.50	506.21	19.50	120.15	29.50	52.50	39.50	29.28
9.75	480.59	19.75	117.12	29.75	51.62	39.75	28.91
10.00	456.86	20.00	114.21	30.00	50.76	40.00	28.55

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 12 – 80%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 2000% reflections)

Meters 1 Collector Meter

Time Avg: 80% % Reflection 2000%

Distance where limits are exceeded	
FCC ft. 9.03	108.31 Inches
BioInitiative ft. 675.00	8100.00 Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	28.20	54.25	15.52	68.25	9.81	82.25	6.75
40.50	27.85	54.50	15.38	68.50	9.74	82.50	6.71
40.75	27.51	54.75	15.24	68.75	9.67	82.75	6.67
41.00	27.18	55.00	15.10	69.00	9.60	83.00	6.63
41.25	26.85	55.25	14.97	69.25	9.53	83.25	6.59
41.50	26.53	55.50	14.83	69.50	9.46	83.50	6.55
41.75	26.21	55.75	14.70	69.75	9.39	83.75	6.51
42.00	25.90	56.00	14.57	70.00	9.32	84.00	6.47
42.25	25.59	56.25	14.44	70.25	9.26	84.25	6.44
42.50	25.29	56.50	14.31	70.50	9.19	84.50	6.40
42.75	25.00	56.75	14.19	70.75	9.13	84.75	6.36
43.00	24.71	57.00	14.06	71.00	9.06	85.00	6.32
43.25	24.42	57.25	13.94	71.25	9.00	85.25	6.29
43.50	24.14	57.50	13.82	71.50	8.94	85.50	6.25
43.75	23.87	57.75	13.70	71.75	8.87	85.75	6.21
44.00	23.60	58.00	13.58	72.00	8.81	86.00	6.18
44.25	23.33	58.25	13.46	72.25	8.75	86.25	6.14
44.50	23.07	58.50	13.35	72.50	8.69	86.50	6.11
44.75	22.81	58.75	13.24	72.75	8.63	86.75	6.07
45.00	22.56	59.00	13.12	73.00	8.57	87.00	6.04
45.25	22.31	59.25	13.01	73.25	8.51	87.25	6.00
45.50	22.07	59.50	12.90	73.50	8.46	87.50	5.97
45.75	21.83	59.75	12.80	73.75	8.40	87.75	5.93
46.00	21.59	60.00	12.69	74.00	8.34	88.00	5.90
46.25	21.36	60.25	12.59	74.25	8.29	88.25	5.87
46.50	21.13	60.50	12.48	74.50	8.23	88.50	5.83
46.75	20.90	60.75	12.38	74.75	8.18	88.75	5.80
47.00	20.68	61.00	12.28	75.00	8.12	89.00	5.77
47.25	20.46	61.25	12.18	75.25	8.07	89.25	5.74
47.50	20.25	61.50	12.08	75.50	8.01	89.50	5.70
47.75	20.04	61.75	11.98	75.75	7.96	89.75	5.67
48.00	19.83	62.00	11.88	76.00	7.91	90.00	5.64
48.25	19.62	62.25	11.79	76.25	7.86	90.25	5.61
48.50	19.42	62.50	11.70	76.50	7.81	90.50	5.58
48.75	19.22	62.75	11.60	76.75	7.76	90.75	5.55
49.00	19.03	63.00	11.51	77.00	7.71	91.00	5.52
49.25	18.84	63.25	11.42	77.25	7.66	91.25	5.49
49.50	18.65	63.50	11.33	77.50	7.61	91.50	5.46
49.75	18.46	63.75	11.24	77.75	7.56	91.75	5.43
50.00	18.27	64.00	11.15	78.00	7.51	92.00	5.40
50.25	18.09	64.25	11.07	78.25	7.46	92.25	5.37
50.50	17.91	64.50	10.98	78.50	7.41	92.50	5.34
50.75	17.74	64.75	10.90	78.75	7.37	92.75	5.31
51.00	17.56	65.00	10.81	79.00	7.32	93.00	5.28
51.25	17.39	65.25	10.73	79.25	7.27	93.25	5.25
51.50	17.23	65.50	10.65	79.50	7.23	93.50	5.23
51.75	17.06	65.75	10.57	79.75	7.18	93.75	5.20
52.00	16.90	66.00	10.49	80.00	7.14	94.00	5.17
52.25	16.73	66.25	10.41	80.25	7.09	94.25	5.14
52.50	16.58	66.50	10.33	80.50	7.05	94.50	5.12
52.75	16.42	66.75	10.25	80.75	7.01	94.75	5.09
53.00	16.26	67.00	10.18	81.00	6.96	95.00	5.06
53.25	16.11	67.25	10.10	81.25	6.92	95.25	5.04
53.50	15.96	67.50	10.03	81.50	6.88	95.50	5.01
53.75	15.81	67.75	9.95	81.75	6.84	95.75	4.98
54.00	15.67	68.00	9.88	82.00	6.79	96.00	4.96

Table 12 – 80%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 2000% reflections)

Meters 1 Collector Meter

Time Avg: 90% % Reflection 2000%

Distance where limits are exceeded			
FCC ft.	9.57	114.9	Inches
BioInitiative ft.	718.00	8616.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	822343.76	10.25	489.20	20.25	125.34	30.25	56.17
0.50	205585.94	10.50	466.18	20.50	122.30	30.50	55.25
0.75	91371.53	10.75	444.75	20.75	119.37	30.75	54.36
1.00	51396.49	11.00	424.76	21.00	116.55	31.00	53.48
1.25	32893.75	11.25	406.10	21.25	113.82	31.25	52.63
1.50	22842.88	11.50	388.63	21.50	111.19	31.50	51.80
1.75	16782.53	11.75	372.27	21.75	108.65	31.75	50.99
2.00	12849.12	12.00	356.92	22.00	106.19	32.00	50.19
2.25	10152.39	12.25	342.50	22.25	103.82	32.25	49.42
2.50	8223.44	12.50	328.94	22.50	101.52	32.50	48.66
2.75	6796.23	12.75	316.16	22.75	99.30	32.75	47.92
3.00	5710.72	13.00	304.12	23.00	97.16	33.00	47.20
3.25	4865.94	13.25	292.75	23.25	95.08	33.25	46.49
3.50	4195.63	13.50	282.01	23.50	93.07	33.50	45.80
3.75	3654.86	13.75	271.85	23.75	91.12	33.75	45.12
4.00	3212.28	14.00	262.23	24.00	89.23	34.00	44.46
4.25	2845.48	14.25	253.11	24.25	87.40	34.25	43.81
4.50	2538.10	14.50	244.45	24.50	85.63	34.50	43.18
4.75	2277.96	14.75	236.24	24.75	83.90	34.75	42.56
5.00	2055.86	15.00	228.43	25.00	82.23	35.00	41.96
5.25	1864.73	15.25	221.00	25.25	80.61	35.25	41.36
5.50	1699.06	15.50	213.93	25.50	79.04	35.50	40.78
5.75	1554.53	15.75	207.19	25.75	77.51	35.75	40.21
6.00	1427.68	16.00	200.77	26.00	76.03	36.00	39.66
6.25	1315.75	16.25	194.64	26.25	74.59	36.25	39.11
6.50	1216.48	16.50	188.78	26.50	73.19	36.50	38.58
6.75	1128.04	16.75	183.19	26.75	71.83	36.75	38.06
7.00	1048.91	17.00	177.84	27.00	70.50	37.00	37.54
7.25	977.82	17.25	172.73	27.25	69.22	37.25	37.04
7.50	913.72	17.50	167.83	27.50	67.96	37.50	36.55
7.75	855.72	17.75	163.13	27.75	66.74	37.75	36.07
8.00	803.07	18.00	158.63	28.00	65.56	38.00	35.59
8.25	755.14	18.25	154.31	28.25	64.40	38.25	35.13
8.50	711.37	18.50	150.17	28.50	63.28	38.50	34.67
8.75	671.30	18.75	146.19	28.75	62.18	38.75	34.23
9.00	634.52	19.00	142.37	29.00	61.11	39.00	33.79
9.25	600.69	19.25	138.70	29.25	60.07	39.25	33.36
9.50	569.49	19.50	135.16	29.50	59.06	39.50	32.94
9.75	540.66	19.75	131.76	29.75	58.07	39.75	32.53
10.00	513.96	20.00	128.49	30.00	57.11	40.00	32.12

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 12 – 90%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 2000% reflections)

Meters 1 Collector Meter

Time Avg: 90% % Reflection 2000%

Distance where limits are exceeded	
FCC ft. 9.57	114.89 Inches
BioInitiative ft. 718.00	8616.00 Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	31.73	54.25	17.46	68.25	11.03	82.25	7.60
40.50	31.33	54.50	17.30	68.50	10.95	82.50	7.55
40.75	30.95	54.75	17.15	68.75	10.87	82.75	7.51
41.00	30.57	55.00	16.99	69.00	10.80	83.00	7.46
41.25	30.21	55.25	16.84	69.25	10.72	83.25	7.42
41.50	29.84	55.50	16.69	69.50	10.64	83.50	7.37
41.75	29.49	55.75	16.54	69.75	10.56	83.75	7.33
42.00	29.14	56.00	16.39	70.00	10.49	84.00	7.28
42.25	28.79	56.25	16.24	70.25	10.41	84.25	7.24
42.50	28.45	56.50	16.10	70.50	10.34	84.50	7.20
42.75	28.12	56.75	15.96	70.75	10.27	84.75	7.16
43.00	27.80	57.00	15.82	71.00	10.20	85.00	7.11
43.25	27.48	57.25	15.68	71.25	10.12	85.25	7.07
43.50	27.16	57.50	15.55	71.50	10.05	85.50	7.03
43.75	26.85	57.75	15.41	71.75	9.98	85.75	6.99
44.00	26.55	58.00	15.28	72.00	9.91	86.00	6.95
44.25	26.25	58.25	15.15	72.25	9.85	86.25	6.91
44.50	25.95	58.50	15.02	72.50	9.78	86.50	6.87
44.75	25.67	58.75	14.89	72.75	9.71	86.75	6.83
45.00	25.38	59.00	14.76	73.00	9.64	87.00	6.79
45.25	25.10	59.25	14.64	73.25	9.58	87.25	6.75
45.50	24.83	59.50	14.52	73.50	9.51	87.50	6.71
45.75	24.56	59.75	14.40	73.75	9.45	87.75	6.67
46.00	24.29	60.00	14.28	74.00	9.39	88.00	6.64
46.25	24.03	60.25	14.16	74.25	9.32	88.25	6.60
46.50	23.77	60.50	14.04	74.50	9.26	88.50	6.56
46.75	23.52	60.75	13.93	74.75	9.20	88.75	6.53
47.00	23.27	61.00	13.81	75.00	9.14	89.00	6.49
47.25	23.02	61.25	13.70	75.25	9.08	89.25	6.45
47.50	22.78	61.50	13.59	75.50	9.02	89.50	6.42
47.75	22.54	61.75	13.48	75.75	8.96	89.75	6.38
48.00	22.31	62.00	13.37	76.00	8.90	90.00	6.35
48.25	22.08	62.25	13.26	76.25	8.84	90.25	6.31
48.50	21.85	62.50	13.16	76.50	8.78	90.50	6.28
48.75	21.63	62.75	13.05	76.75	8.73	90.75	6.24
49.00	21.41	63.00	12.95	77.00	8.67	91.00	6.21
49.25	21.19	63.25	12.85	77.25	8.61	91.25	6.17
49.50	20.98	63.50	12.75	77.50	8.56	91.50	6.14
49.75	20.77	63.75	12.65	77.75	8.50	91.75	6.11
50.00	20.56	64.00	12.55	78.00	8.45	92.00	6.07
50.25	20.35	64.25	12.45	78.25	8.39	92.25	6.04
50.50	20.15	64.50	12.35	78.50	8.34	92.50	6.01
50.75	19.96	64.75	12.26	78.75	8.29	92.75	5.97
51.00	19.76	65.00	12.16	79.00	8.24	93.00	5.94
51.25	19.57	65.25	12.07	79.25	8.18	93.25	5.91
51.50	19.38	65.50	11.98	79.50	8.13	93.50	5.88
51.75	19.19	65.75	11.89	79.75	8.08	93.75	5.85
52.00	19.01	66.00	11.80	80.00	8.03	94.00	5.82
52.25	18.83	66.25	11.71	80.25	7.98	94.25	5.79
52.50	18.65	66.50	11.62	80.50	7.93	94.50	5.76
52.75	18.47	66.75	11.54	80.75	7.88	94.75	5.72
53.00	18.30	67.00	11.45	81.00	7.83	95.00	5.69
53.25	18.13	67.25	11.36	81.25	7.79	95.25	5.67
53.50	17.96	67.50	11.28	81.50	7.74	95.50	5.64
53.75	17.79	67.75	11.20	81.75	7.69	95.75	5.61
54.00	17.63	68.00	11.12	82.00	7.64	96.00	5.58

Table 12 – 90%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 2000% reflections)

Meters 1 Collector Meter

Time Avg: 100% % Reflection 2000%

Distance where limits are exceeded			
FCC ft.	10.09	121.1	Inches
BioInitiative ft.	755.00	9060.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	913715.29	10.25	543.55	20.25	139.26	30.25	62.41
0.50	228428.82	10.50	517.98	20.50	135.89	30.50	61.39
0.75	101523.92	10.75	494.17	20.75	132.63	30.75	60.39
1.00	57107.21	11.00	471.96	21.00	129.49	31.00	59.42
1.25	36548.61	11.25	451.22	21.25	126.47	31.25	58.48
1.50	25380.98	11.50	431.81	21.50	123.54	31.50	57.55
1.75	18647.25	11.75	413.63	21.75	120.72	31.75	56.65
2.00	14276.80	12.00	396.58	22.00	117.99	32.00	55.77
2.25	11280.44	12.25	380.56	22.25	115.35	32.25	54.91
2.50	9137.15	12.50	365.49	22.50	112.80	32.50	54.07
2.75	7551.37	12.75	351.29	22.75	110.34	32.75	53.24
3.00	6345.25	13.00	337.91	23.00	107.95	33.00	52.44
3.25	5406.60	13.25	325.28	23.25	105.64	33.25	51.65
3.50	4661.81	13.50	313.35	23.50	103.41	33.50	50.89
3.75	4060.96	13.75	302.05	23.75	101.24	33.75	50.14
4.00	3569.20	14.00	291.36	24.00	99.14	34.00	49.40
4.25	3161.64	14.25	281.23	24.25	97.11	34.25	48.68
4.50	2820.11	14.50	271.62	24.50	95.14	34.50	47.98
4.75	2531.07	14.75	262.49	24.75	93.23	34.75	47.29
5.00	2284.29	15.00	253.81	25.00	91.37	35.00	46.62
5.25	2071.92	15.25	245.56	25.25	89.57	35.25	45.96
5.50	1887.84	15.50	237.70	25.50	87.82	35.50	45.31
5.75	1727.25	15.75	230.21	25.75	86.13	35.75	44.68
6.00	1586.31	16.00	223.08	26.00	84.48	36.00	44.06
6.25	1461.94	16.25	216.26	26.25	82.88	36.25	43.46
6.50	1351.65	16.50	209.76	26.50	81.32	36.50	42.87
6.75	1253.38	16.75	203.55	26.75	79.81	36.75	42.28
7.00	1165.45	17.00	197.60	27.00	78.34	37.00	41.71
7.25	1086.46	17.25	191.92	27.25	76.91	37.25	41.16
7.50	1015.24	17.50	186.47	27.50	75.51	37.50	40.61
7.75	950.80	17.75	181.26	27.75	74.16	37.75	40.07
8.00	892.30	18.00	176.26	28.00	72.84	38.00	39.55
8.25	839.04	18.25	171.46	28.25	71.56	38.25	39.03
8.50	790.41	18.50	166.86	28.50	70.31	38.50	38.53
8.75	745.89	18.75	162.44	28.75	69.09	38.75	38.03
9.00	705.03	19.00	158.19	29.00	67.90	39.00	37.55
9.25	667.43	19.25	154.11	29.25	66.75	39.25	37.07
9.50	632.77	19.50	150.18	29.50	65.62	39.50	36.60
9.75	600.73	19.75	146.41	29.75	64.52	39.75	36.14
10.00	571.07	20.00	142.77	30.00	63.45	40.00	35.69

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 12 – 100%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 2000% reflections)

Meters 1 Collector Meter

Time Avg: 100% % Reflection 2000%

Distance where limits are exceeded	
FCC ft. 10.09	121.10 Inches
BioInitiative ft. 755.00	9060.00 Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	35.25	54.25	19.40	68.25	12.26	82.25	8.44
40.50	34.82	54.50	19.23	68.50	12.17	82.50	8.39
40.75	34.39	54.75	19.05	68.75	12.08	82.75	8.34
41.00	33.97	55.00	18.88	69.00	11.99	83.00	8.29
41.25	33.56	55.25	18.71	69.25	11.91	83.25	8.24
41.50	33.16	55.50	18.54	69.50	11.82	83.50	8.19
41.75	32.76	55.75	18.37	69.75	11.74	83.75	8.14
42.00	32.37	56.00	18.21	70.00	11.65	84.00	8.09
42.25	31.99	56.25	18.05	70.25	11.57	84.25	8.05
42.50	31.62	56.50	17.89	70.50	11.49	84.50	8.00
42.75	31.25	56.75	17.73	70.75	11.41	84.75	7.95
43.00	30.89	57.00	17.58	71.00	11.33	85.00	7.90
43.25	30.53	57.25	17.42	71.25	11.25	85.25	7.86
43.50	30.18	57.50	17.27	71.50	11.17	85.50	7.81
43.75	29.84	57.75	17.12	71.75	11.09	85.75	7.77
44.00	29.50	58.00	16.98	72.00	11.02	86.00	7.72
44.25	29.17	58.25	16.83	72.25	10.94	86.25	7.68
44.50	28.84	58.50	16.69	72.50	10.86	86.50	7.63
44.75	28.52	58.75	16.55	72.75	10.79	86.75	7.59
45.00	28.20	59.00	16.41	73.00	10.72	87.00	7.54
45.25	27.89	59.25	16.27	73.25	10.64	87.25	7.50
45.50	27.58	59.50	16.13	73.50	10.57	87.50	7.46
45.75	27.28	59.75	16.00	73.75	10.50	87.75	7.42
46.00	26.99	60.00	15.86	74.00	10.43	88.00	7.37
46.25	26.70	60.25	15.73	74.25	10.36	88.25	7.33
46.50	26.41	60.50	15.60	74.50	10.29	88.50	7.29
46.75	26.13	60.75	15.47	74.75	10.22	88.75	7.25
47.00	25.85	61.00	15.35	75.00	10.15	89.00	7.21
47.25	25.58	61.25	15.22	75.25	10.09	89.25	7.17
47.50	25.31	61.50	15.10	75.50	10.02	89.50	7.13
47.75	25.05	61.75	14.98	75.75	9.95	89.75	7.09
48.00	24.79	62.00	14.86	76.00	9.89	90.00	7.05
48.25	24.53	62.25	14.74	76.25	9.82	90.25	7.01
48.50	24.28	62.50	14.62	76.50	9.76	90.50	6.97
48.75	24.03	62.75	14.50	76.75	9.69	90.75	6.93
49.00	23.78	63.00	14.39	77.00	9.63	91.00	6.90
49.25	23.54	63.25	14.27	77.25	9.57	91.25	6.86
49.50	23.31	63.50	14.16	77.50	9.51	91.50	6.82
49.75	23.07	63.75	14.05	77.75	9.45	91.75	6.78
50.00	22.84	64.00	13.94	78.00	9.39	92.00	6.75
50.25	22.62	64.25	13.83	78.25	9.33	92.25	6.71
50.50	22.39	64.50	13.73	78.50	9.27	92.50	6.67
50.75	22.17	64.75	13.62	78.75	9.21	92.75	6.64
51.00	21.96	65.00	13.52	79.00	9.15	93.00	6.60
51.25	21.74	65.25	13.41	79.25	9.09	93.25	6.57
51.50	21.53	65.50	13.31	79.50	9.04	93.50	6.53
51.75	21.32	65.75	13.21	79.75	8.98	93.75	6.50
52.00	21.12	66.00	13.11	80.00	8.92	94.00	6.46
52.25	20.92	66.25	13.01	80.25	8.87	94.25	6.43
52.50	20.72	66.50	12.91	80.50	8.81	94.50	6.39
52.75	20.52	66.75	12.82	80.75	8.76	94.75	6.36
53.00	20.33	67.00	12.72	81.00	8.70	95.00	6.33
53.25	20.14	67.25	12.63	81.25	8.65	95.25	6.29
53.50	19.95	67.50	12.53	81.50	8.60	95.50	6.26
53.75	19.77	67.75	12.44	81.75	8.55	95.75	6.23
54.00	19.58	68.00	12.35	82.00	8.49	96.00	6.20

Table 12 – 100%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 60% reflections)

Meters 1 Collector Meter - 7 SMART Meters

Time Avg: 1% % Reflection 60%

Distance where limits are exceeded			
FCC ft.	0.14	1.6	Inches
BioInitiative ft.	10.75	129.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	92.46	10.25	0.11	20.25	0.03	30.25	0.01
0.50	36.98	10.50	0.10	20.50	0.03	30.50	0.01
0.75	18.49	10.75	0.10	20.75	0.03	30.75	0.01
1.00	10.88	11.00	0.10	21.00	0.03	31.00	0.01
1.25	7.11	11.25	0.09	21.25	0.03	31.25	0.01
1.50	5.00	11.50	0.09	21.50	0.02	31.50	0.01
1.75	3.70	11.75	0.08	21.75	0.02	31.75	0.01
2.00	2.84	12.00	0.08	22.00	0.02	32.00	0.01
2.25	2.26	12.25	0.08	22.25	0.02	32.25	0.01
2.50	1.83	12.50	0.07	22.50	0.02	32.50	0.01
2.75	1.52	12.75	0.07	22.75	0.02	32.75	0.01
3.00	1.28	13.00	0.07	23.00	0.02	33.00	0.01
3.25	1.09	13.25	0.07	23.25	0.02	33.25	0.01
3.50	0.94	13.50	0.06	23.50	0.02	33.50	0.01
3.75	0.82	13.75	0.06	23.75	0.02	33.75	0.01
4.00	0.72	14.00	0.06	24.00	0.02	34.00	0.01
4.25	0.64	14.25	0.06	24.25	0.02	34.25	0.01
4.50	0.57	14.50	0.05	24.50	0.02	34.50	0.01
4.75	0.51	14.75	0.05	24.75	0.02	34.75	0.01
5.00	0.46	15.00	0.05	25.00	0.02	35.00	0.01
5.25	0.42	15.25	0.05	25.25	0.02	35.25	0.01
5.50	0.38	15.50	0.05	25.50	0.02	35.50	0.01
5.75	0.35	15.75	0.05	25.75	0.02	35.75	0.01
6.00	0.32	16.00	0.05	26.00	0.02	36.00	0.01
6.25	0.30	16.25	0.04	26.25	0.02	36.25	0.01
6.50	0.27	16.50	0.04	26.50	0.02	36.50	0.01
6.75	0.25	16.75	0.04	26.75	0.02	36.75	0.01
7.00	0.24	17.00	0.04	27.00	0.02	37.00	0.01
7.25	0.22	17.25	0.04	27.25	0.02	37.25	0.01
7.50	0.21	17.50	0.04	27.50	0.02	37.50	0.01
7.75	0.19	17.75	0.04	27.75	0.02	37.75	0.01
8.00	0.18	18.00	0.04	28.00	0.01	38.00	0.01
8.25	0.17	18.25	0.03	28.25	0.01	38.25	0.01
8.50	0.16	18.50	0.03	28.50	0.01	38.50	0.01
8.75	0.15	18.75	0.03	28.75	0.01	38.75	0.01
9.00	0.14	19.00	0.03	29.00	0.01	39.00	0.01
9.25	0.13	19.25	0.03	29.25	0.01	39.25	0.01
9.50	0.13	19.50	0.03	29.50	0.01	39.50	0.01
9.75	0.12	19.75	0.03	29.75	0.01	39.75	0.01
10.00	0.12	20.00	0.03	30.00	0.01	40.00	0.01

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 13 – 1%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 60% reflections)

Meters 1 Collector Meter - 7 SMART Meters

Time Avg: 1% % Reflection 60%

Distance where limits are exceeded

FCC ft. 0.14	1.63	Inches
BioInitiative ft. 10.75	129.00	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.01	54.25	0.00	68.25	0.00	82.25	0.00
40.50	0.01	54.50	0.00	68.50	0.00	82.50	0.00
40.75	0.01	54.75	0.00	68.75	0.00	82.75	0.00
41.00	0.01	55.00	0.00	69.00	0.00	83.00	0.00
41.25	0.01	55.25	0.00	69.25	0.00	83.25	0.00
41.50	0.01	55.50	0.00	69.50	0.00	83.50	0.00
41.75	0.01	55.75	0.00	69.75	0.00	83.75	0.00
42.00	0.01	56.00	0.00	70.00	0.00	84.00	0.00
42.25	0.01	56.25	0.00	70.25	0.00	84.25	0.00
42.50	0.01	56.50	0.00	70.50	0.00	84.50	0.00
42.75	0.01	56.75	0.00	70.75	0.00	84.75	0.00
43.00	0.01	57.00	0.00	71.00	0.00	85.00	0.00
43.25	0.01	57.25	0.00	71.25	0.00	85.25	0.00
43.50	0.01	57.50	0.00	71.50	0.00	85.50	0.00
43.75	0.01	57.75	0.00	71.75	0.00	85.75	0.00
44.00	0.01	58.00	0.00	72.00	0.00	86.00	0.00
44.25	0.01	58.25	0.00	72.25	0.00	86.25	0.00
44.50	0.01	58.50	0.00	72.50	0.00	86.50	0.00
44.75	0.01	58.75	0.00	72.75	0.00	86.75	0.00
45.00	0.01	59.00	0.00	73.00	0.00	87.00	0.00
45.25	0.01	59.25	0.00	73.25	0.00	87.25	0.00
45.50	0.01	59.50	0.00	73.50	0.00	87.50	0.00
45.75	0.01	59.75	0.00	73.75	0.00	87.75	0.00
46.00	0.01	60.00	0.00	74.00	0.00	88.00	0.00
46.25	0.01	60.25	0.00	74.25	0.00	88.25	0.00
46.50	0.01	60.50	0.00	74.50	0.00	88.50	0.00
46.75	0.01	60.75	0.00	74.75	0.00	88.75	0.00
47.00	0.01	61.00	0.00	75.00	0.00	89.00	0.00
47.25	0.01	61.25	0.00	75.25	0.00	89.25	0.00
47.50	0.01	61.50	0.00	75.50	0.00	89.50	0.00
47.75	0.01	61.75	0.00	75.75	0.00	89.75	0.00
48.00	0.01	62.00	0.00	76.00	0.00	90.00	0.00
48.25	0.00	62.25	0.00	76.25	0.00	90.25	0.00
48.50	0.00	62.50	0.00	76.50	0.00	90.50	0.00
48.75	0.00	62.75	0.00	76.75	0.00	90.75	0.00
49.00	0.00	63.00	0.00	77.00	0.00	91.00	0.00
49.25	0.00	63.25	0.00	77.25	0.00	91.25	0.00
49.50	0.00	63.50	0.00	77.50	0.00	91.50	0.00
49.75	0.00	63.75	0.00	77.75	0.00	91.75	0.00
50.00	0.00	64.00	0.00	78.00	0.00	92.00	0.00
50.25	0.00	64.25	0.00	78.25	0.00	92.25	0.00
50.50	0.00	64.50	0.00	78.50	0.00	92.50	0.00
50.75	0.00	64.75	0.00	78.75	0.00	92.75	0.00
51.00	0.00	65.00	0.00	79.00	0.00	93.00	0.00
51.25	0.00	65.25	0.00	79.25	0.00	93.25	0.00
51.50	0.00	65.50	0.00	79.50	0.00	93.50	0.00
51.75	0.00	65.75	0.00	79.75	0.00	93.75	0.00
52.00	0.00	66.00	0.00	80.00	0.00	94.00	0.00
52.25	0.00	66.25	0.00	80.25	0.00	94.25	0.00
52.50	0.00	66.50	0.00	80.50	0.00	94.50	0.00
52.75	0.00	66.75	0.00	80.75	0.00	94.75	0.00
53.00	0.00	67.00	0.00	81.00	0.00	95.00	0.00
53.25	0.00	67.25	0.00	81.25	0.00	95.25	0.00
53.50	0.00	67.50	0.00	81.50	0.00	95.50	0.00
53.75	0.00	67.75	0.00	81.75	0.00	95.75	0.00
54.00	0.00	68.00	0.00	82.00	0.00	96.00	0.00

Table 13 – 1%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 60% reflections)

Meters 1 Collector Meter - 7 SMART Meters

Time Avg: 10% % Reflection 60%

Distance where limits are exceeded

FCC ft.	0.35	4.2	Inches
BioInitiative ft.	34.00	408.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	924.57	10.25	1.10	20.25	0.28	30.25	0.13
0.50	369.83	10.50	1.05	20.50	0.27	30.50	0.12
0.75	184.91	10.75	1.00	20.75	0.27	30.75	0.12
1.00	108.77	11.00	0.95	21.00	0.26	31.00	0.12
1.25	71.12	11.25	0.91	21.25	0.26	31.25	0.12
1.50	49.98	11.50	0.87	21.50	0.25	31.50	0.12
1.75	36.98	11.75	0.84	21.75	0.24	31.75	0.11
2.00	28.45	12.00	0.80	22.00	0.24	32.00	0.11
2.25	22.55	12.25	0.77	22.25	0.23	32.25	0.11
2.50	18.31	12.50	0.74	22.50	0.23	32.50	0.11
2.75	15.16	12.75	0.71	22.75	0.22	32.75	0.11
3.00	12.75	13.00	0.68	23.00	0.22	33.00	0.11
3.25	10.88	13.25	0.66	23.25	0.21	33.25	0.10
3.50	9.39	13.50	0.63	23.50	0.21	33.50	0.10
3.75	8.18	13.75	0.61	23.75	0.20	33.75	0.10
4.00	7.20	14.00	0.59	24.00	0.20	34.00	0.10
4.25	6.38	14.25	0.57	24.25	0.20	34.25	0.10
4.50	5.69	14.50	0.55	24.50	0.19	34.50	0.10
4.75	5.11	14.75	0.53	24.75	0.19	34.75	0.10
5.00	4.61	15.00	0.51	25.00	0.18	35.00	0.09
5.25	4.18	15.25	0.50	25.25	0.18	35.25	0.09
5.50	3.81	15.50	0.48	25.50	0.18	35.50	0.09
5.75	3.49	15.75	0.47	25.75	0.17	35.75	0.09
6.00	3.20	16.00	0.45	26.00	0.17	36.00	0.09
6.25	2.95	16.25	0.44	26.25	0.17	36.25	0.09
6.50	2.73	16.50	0.42	26.50	0.16	36.50	0.09
6.75	2.53	16.75	0.41	26.75	0.16	36.75	0.09
7.00	2.36	17.00	0.40	27.00	0.16	37.00	0.08
7.25	2.20	17.25	0.39	27.25	0.16	37.25	0.08
7.50	2.05	17.50	0.38	27.50	0.15	37.50	0.08
7.75	1.92	17.75	0.37	27.75	0.15	37.75	0.08
8.00	1.80	18.00	0.36	28.00	0.15	38.00	0.08
8.25	1.70	18.25	0.35	28.25	0.14	38.25	0.08
8.50	1.60	18.50	0.34	28.50	0.14	38.50	0.08
8.75	1.51	18.75	0.33	28.75	0.14	38.75	0.08
9.00	1.43	19.00	0.32	29.00	0.14	39.00	0.08
9.25	1.35	19.25	0.31	29.25	0.14	39.25	0.08
9.50	1.28	19.50	0.30	29.50	0.13	39.50	0.07
9.75	1.21	19.75	0.30	29.75	0.13	39.75	0.07
10.00	1.15	20.00	0.29	30.00	0.13	40.00	0.07

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 13 – 10%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 60% reflections)

Meters 1 Collector Meter - 7 SMART Meters
Time Avg: 10% % Reflection 60%

Distance where limits are exceeded

FCC ft.	0.35	4.20	Inches
BioInitiative ft.	34.00	408.00	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.07	54.25	0.04	68.25	0.02	82.25	0.02
40.50	0.07	54.50	0.04	68.50	0.02	82.50	0.02
40.75	0.07	54.75	0.04	68.75	0.02	82.75	0.02
41.00	0.07	55.00	0.04	69.00	0.02	83.00	0.02
41.25	0.07	55.25	0.04	69.25	0.02	83.25	0.02
41.50	0.07	55.50	0.04	69.50	0.02	83.50	0.02
41.75	0.07	55.75	0.04	69.75	0.02	83.75	0.02
42.00	0.07	56.00	0.04	70.00	0.02	84.00	0.02
42.25	0.06	56.25	0.04	70.25	0.02	84.25	0.02
42.50	0.06	56.50	0.04	70.50	0.02	84.50	0.02
42.75	0.06	56.75	0.04	70.75	0.02	84.75	0.02
43.00	0.06	57.00	0.04	71.00	0.02	85.00	0.02
43.25	0.06	57.25	0.04	71.25	0.02	85.25	0.02
43.50	0.06	57.50	0.03	71.50	0.02	85.50	0.02
43.75	0.06	57.75	0.03	71.75	0.02	85.75	0.02
44.00	0.06	58.00	0.03	72.00	0.02	86.00	0.02
44.25	0.06	58.25	0.03	72.25	0.02	86.25	0.02
44.50	0.06	58.50	0.03	72.50	0.02	86.50	0.02
44.75	0.06	58.75	0.03	72.75	0.02	86.75	0.02
45.00	0.06	59.00	0.03	73.00	0.02	87.00	0.02
45.25	0.06	59.25	0.03	73.25	0.02	87.25	0.02
45.50	0.06	59.50	0.03	73.50	0.02	87.50	0.02
45.75	0.06	59.75	0.03	73.75	0.02	87.75	0.02
46.00	0.05	60.00	0.03	74.00	0.02	88.00	0.01
46.25	0.05	60.25	0.03	74.25	0.02	88.25	0.01
46.50	0.05	60.50	0.03	74.50	0.02	88.50	0.01
46.75	0.05	60.75	0.03	74.75	0.02	88.75	0.01
47.00	0.05	61.00	0.03	75.00	0.02	89.00	0.01
47.25	0.05	61.25	0.03	75.25	0.02	89.25	0.01
47.50	0.05	61.50	0.03	75.50	0.02	89.50	0.01
47.75	0.05	61.75	0.03	75.75	0.02	89.75	0.01
48.00	0.05	62.00	0.03	76.00	0.02	90.00	0.01
48.25	0.05	62.25	0.03	76.25	0.02	90.25	0.01
48.50	0.05	62.50	0.03	76.50	0.02	90.50	0.01
48.75	0.05	62.75	0.03	76.75	0.02	90.75	0.01
49.00	0.05	63.00	0.03	77.00	0.02	91.00	0.01
49.25	0.05	63.25	0.03	77.25	0.02	91.25	0.01
49.50	0.05	63.50	0.03	77.50	0.02	91.50	0.01
49.75	0.05	63.75	0.03	77.75	0.02	91.75	0.01
50.00	0.05	64.00	0.03	78.00	0.02	92.00	0.01
50.25	0.05	64.25	0.03	78.25	0.02	92.25	0.01
50.50	0.05	64.50	0.03	78.50	0.02	92.50	0.01
50.75	0.04	64.75	0.03	78.75	0.02	92.75	0.01
51.00	0.04	65.00	0.03	79.00	0.02	93.00	0.01
51.25	0.04	65.25	0.03	79.25	0.02	93.25	0.01
51.50	0.04	65.50	0.03	79.50	0.02	93.50	0.01
51.75	0.04	65.75	0.03	79.75	0.02	93.75	0.01
52.00	0.04	66.00	0.03	80.00	0.02	94.00	0.01
52.25	0.04	66.25	0.03	80.25	0.02	94.25	0.01
52.50	0.04	66.50	0.03	80.50	0.02	94.50	0.01
52.75	0.04	66.75	0.03	80.75	0.02	94.75	0.01
53.00	0.04	67.00	0.03	81.00	0.02	95.00	0.01
53.25	0.04	67.25	0.03	81.25	0.02	95.25	0.01
53.50	0.04	67.50	0.03	81.50	0.02	95.50	0.01
53.75	0.04	67.75	0.03	81.75	0.02	95.75	0.01
54.00	0.04	68.00	0.02	82.00	0.02	96.00	0.01

Table 13 – 10%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 60% reflections)

Meters 1 Collector Meter - 7 SMART Meters

Time Avg: 20% % Reflection 60%

Distance where limits are exceeded			
FCC ft.	0.55	6.7	Inches
BioInitiative ft.	48.00	576.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	1849.14	10.25	2.20	20.25	0.56	30.25	0.25
0.50	739.66	10.50	2.10	20.50	0.55	30.50	0.25
0.75	369.83	10.75	2.00	20.75	0.54	30.75	0.24
1.00	217.55	11.00	1.91	21.00	0.52	31.00	0.24
1.25	142.24	11.25	1.83	21.25	0.51	31.25	0.24
1.50	99.95	11.50	1.75	21.50	0.50	31.50	0.23
1.75	73.97	11.75	1.67	21.75	0.49	31.75	0.23
2.00	56.90	12.00	1.60	22.00	0.48	32.00	0.23
2.25	45.10	12.25	1.54	22.25	0.47	32.25	0.22
2.50	36.62	12.50	1.48	22.50	0.46	32.50	0.22
2.75	30.31	12.75	1.42	22.75	0.45	32.75	0.22
3.00	25.51	13.00	1.37	23.00	0.44	33.00	0.21
3.25	21.75	13.25	1.32	23.25	0.43	33.25	0.21
3.50	18.77	13.50	1.27	23.50	0.42	33.50	0.21
3.75	16.36	13.75	1.22	23.75	0.41	33.75	0.20
4.00	14.39	14.00	1.18	24.00	0.40	34.00	0.20
4.25	12.75	14.25	1.14	24.25	0.39	34.25	0.20
4.50	11.38	14.50	1.10	24.50	0.39	34.50	0.19
4.75	10.22	14.75	1.06	24.75	0.38	34.75	0.19
5.00	9.22	15.00	1.03	25.00	0.37	35.00	0.19
5.25	8.37	15.25	0.99	25.25	0.36	35.25	0.19
5.50	7.63	15.50	0.96	25.50	0.36	35.50	0.18
5.75	6.98	15.75	0.93	25.75	0.35	35.75	0.18
6.00	6.41	16.00	0.90	26.00	0.34	36.00	0.18
6.25	5.91	16.25	0.88	26.25	0.34	36.25	0.18
6.50	5.46	16.50	0.85	26.50	0.33	36.50	0.17
6.75	5.07	16.75	0.82	26.75	0.32	36.75	0.17
7.00	4.71	17.00	0.80	27.00	0.32	37.00	0.17
7.25	4.39	17.25	0.78	27.25	0.31	37.25	0.17
7.50	4.10	17.50	0.75	27.50	0.31	37.50	0.16
7.75	3.84	17.75	0.73	27.75	0.30	37.75	0.16
8.00	3.61	18.00	0.71	28.00	0.29	38.00	0.16
8.25	3.39	18.25	0.69	28.25	0.29	38.25	0.16
8.50	3.20	18.50	0.68	28.50	0.28	38.50	0.16
8.75	3.02	18.75	0.66	28.75	0.28	38.75	0.15
9.00	2.85	19.00	0.64	29.00	0.27	39.00	0.15
9.25	2.70	19.25	0.62	29.25	0.27	39.25	0.15
9.50	2.56	19.50	0.61	29.50	0.27	39.50	0.15
9.75	2.43	19.75	0.59	29.75	0.26	39.75	0.15
10.00	2.31	20.00	0.58	30.00	0.26	40.00	0.14

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 13 – 20%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 60% reflections)

Meters 1 Collector Meter - 7 SMART Meters
Time Avg: 20% % Reflection 60%

Distance where limits are exceeded

FCC ft. 0.55	6.66 Inches	
BioInitiative ft. 48.00	576.00 Inches	

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.14	54.25	0.08	68.25	0.05	82.25	0.03
40.50	0.14	54.50	0.08	68.50	0.05	82.50	0.03
40.75	0.14	54.75	0.08	68.75	0.05	82.75	0.03
41.00	0.14	55.00	0.08	69.00	0.05	83.00	0.03
41.25	0.14	55.25	0.08	69.25	0.05	83.25	0.03
41.50	0.13	55.50	0.08	69.50	0.05	83.50	0.03
41.75	0.13	55.75	0.07	69.75	0.05	83.75	0.03
42.00	0.13	56.00	0.07	70.00	0.05	84.00	0.03
42.25	0.13	56.25	0.07	70.25	0.05	84.25	0.03
42.50	0.13	56.50	0.07	70.50	0.05	84.50	0.03
42.75	0.13	56.75	0.07	70.75	0.05	84.75	0.03
43.00	0.13	57.00	0.07	71.00	0.05	85.00	0.03
43.25	0.12	57.25	0.07	71.25	0.05	85.25	0.03
43.50	0.12	57.50	0.07	71.50	0.05	85.50	0.03
43.75	0.12	57.75	0.07	71.75	0.04	85.75	0.03
44.00	0.12	58.00	0.07	72.00	0.04	86.00	0.03
44.25	0.12	58.25	0.07	72.25	0.04	86.25	0.03
44.50	0.12	58.50	0.07	72.50	0.04	86.50	0.03
44.75	0.12	58.75	0.07	72.75	0.04	86.75	0.03
45.00	0.11	59.00	0.07	73.00	0.04	87.00	0.03
45.25	0.11	59.25	0.07	73.25	0.04	87.25	0.03
45.50	0.11	59.50	0.07	73.50	0.04	87.50	0.03
45.75	0.11	59.75	0.06	73.75	0.04	87.75	0.03
46.00	0.11	60.00	0.06	74.00	0.04	88.00	0.03
46.25	0.11	60.25	0.06	74.25	0.04	88.25	0.03
46.50	0.11	60.50	0.06	74.50	0.04	88.50	0.03
46.75	0.11	60.75	0.06	74.75	0.04	88.75	0.03
47.00	0.10	61.00	0.06	75.00	0.04	89.00	0.03
47.25	0.10	61.25	0.06	75.25	0.04	89.25	0.03
47.50	0.10	61.50	0.06	75.50	0.04	89.50	0.03
47.75	0.10	61.75	0.06	75.75	0.04	89.75	0.03
48.00	0.10	62.00	0.06	76.00	0.04	90.00	0.03
48.25	0.10	62.25	0.06	76.25	0.04	90.25	0.03
48.50	0.10	62.50	0.06	76.50	0.04	90.50	0.03
48.75	0.10	62.75	0.06	76.75	0.04	90.75	0.03
49.00	0.10	63.00	0.06	77.00	0.04	91.00	0.03
49.25	0.10	63.25	0.06	77.25	0.04	91.25	0.03
49.50	0.09	63.50	0.06	77.50	0.04	91.50	0.03
49.75	0.09	63.75	0.06	77.75	0.04	91.75	0.03
50.00	0.09	64.00	0.06	78.00	0.04	92.00	0.03
50.25	0.09	64.25	0.06	78.25	0.04	92.25	0.03
50.50	0.09	64.50	0.06	78.50	0.04	92.50	0.03
50.75	0.09	64.75	0.06	78.75	0.04	92.75	0.03
51.00	0.09	65.00	0.05	79.00	0.04	93.00	0.03
51.25	0.09	65.25	0.05	79.25	0.04	93.25	0.03
51.50	0.09	65.50	0.05	79.50	0.04	93.50	0.03
51.75	0.09	65.75	0.05	79.75	0.04	93.75	0.03
52.00	0.09	66.00	0.05	80.00	0.04	94.00	0.03
52.25	0.08	66.25	0.05	80.25	0.04	94.25	0.03
52.50	0.08	66.50	0.05	80.50	0.04	94.50	0.03
52.75	0.08	66.75	0.05	80.75	0.04	94.75	0.03
53.00	0.08	67.00	0.05	81.00	0.04	95.00	0.03
53.25	0.08	67.25	0.05	81.25	0.04	95.25	0.03
53.50	0.08	67.50	0.05	81.50	0.03	95.50	0.03
53.75	0.08	67.75	0.05	81.75	0.03	95.75	0.03
54.00	0.08	68.00	0.05	82.00	0.03	96.00	0.03

Table 13 – 20%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 60% reflections)

Meters 1 Collector Meter - 7SMART Meters

Time Avg: 30% % Reflection 60%

Distance where limits are exceeded			
FCC ft.	0.70	8.4	Inches
BioInitiative ft.	59.00	708.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	2773.72	10.25	3.30	20.25	0.85	30.25	0.38
0.50	1109.49	10.50	3.14	20.50	0.82	30.50	0.37
0.75	554.74	10.75	3.00	20.75	0.81	30.75	0.37
1.00	326.32	11.00	2.86	21.00	0.79	31.00	0.36
1.25	213.36	11.25	2.74	21.25	0.77	31.25	0.36
1.50	149.93	11.50	2.62	21.50	0.75	31.50	0.35
1.75	110.95	11.75	2.51	21.75	0.73	31.75	0.34
2.00	85.35	12.00	2.41	22.00	0.72	32.00	0.34
2.25	67.65	12.25	2.31	22.25	0.70	32.25	0.33
2.50	54.93	12.50	2.22	22.50	0.68	32.50	0.33
2.75	45.47	12.75	2.13	22.75	0.67	32.75	0.32
3.00	38.26	13.00	2.05	23.00	0.66	33.00	0.32
3.25	32.63	13.25	1.97	23.25	0.64	33.25	0.31
3.50	28.16	13.50	1.90	23.50	0.63	33.50	0.31
3.75	24.55	13.75	1.83	23.75	0.61	33.75	0.30
4.00	21.59	14.00	1.77	24.00	0.60	34.00	0.30
4.25	19.13	14.25	1.71	24.25	0.59	34.25	0.30
4.50	17.07	14.50	1.65	24.50	0.58	34.50	0.29
4.75	15.32	14.75	1.59	24.75	0.57	34.75	0.29
5.00	13.83	15.00	1.54	25.00	0.55	35.00	0.28
5.25	12.55	15.25	1.49	25.25	0.54	35.25	0.28
5.50	11.44	15.50	1.44	25.50	0.53	35.50	0.28
5.75	10.47	15.75	1.40	25.75	0.52	35.75	0.27
6.00	9.61	16.00	1.35	26.00	0.51	36.00	0.27
6.25	8.86	16.25	1.31	26.25	0.50	36.25	0.26
6.50	8.19	16.50	1.27	26.50	0.49	36.50	0.26
6.75	7.60	16.75	1.24	26.75	0.48	36.75	0.26
7.00	7.07	17.00	1.20	27.00	0.48	37.00	0.25
7.25	6.59	17.25	1.16	27.25	0.47	37.25	0.25
7.50	6.16	17.50	1.13	27.50	0.46	37.50	0.25
7.75	5.77	17.75	1.10	27.75	0.45	37.75	0.24
8.00	5.41	18.00	1.07	28.00	0.44	38.00	0.24
8.25	5.09	18.25	1.04	28.25	0.43	38.25	0.24
8.50	4.79	18.50	1.01	28.50	0.43	38.50	0.23
8.75	4.52	18.75	0.99	28.75	0.42	38.75	0.23
9.00	4.28	19.00	0.96	29.00	0.41	39.00	0.23
9.25	4.05	19.25	0.94	29.25	0.41	39.25	0.23
9.50	3.84	19.50	0.91	29.50	0.40	39.50	0.22
9.75	3.64	19.75	0.89	29.75	0.39	39.75	0.22
10.00	3.46	20.00	0.87	30.00	0.39	40.00	0.22

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 13 – 30%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 60% reflections)

Meters 1 Collector Meter - 7SMART Meters
Time Avg: 30% % Reflection 60%

Distance where limits are exceeded

FCC ft.	0.70	8.42	Inches
BioInitiative ft.	59.00	708.00	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.21	54.25	0.12	68.25	0.07	82.25	0.05
40.50	0.21	54.50	0.12	68.50	0.07	82.50	0.05
40.75	0.21	54.75	0.12	68.75	0.07	82.75	0.05
41.00	0.21	55.00	0.11	69.00	0.07	83.00	0.05
41.25	0.20	55.25	0.11	69.25	0.07	83.25	0.05
41.50	0.20	55.50	0.11	69.50	0.07	83.50	0.05
41.75	0.20	55.75	0.11	69.75	0.07	83.75	0.05
42.00	0.20	56.00	0.11	70.00	0.07	84.00	0.05
42.25	0.19	56.25	0.11	70.25	0.07	84.25	0.05
42.50	0.19	56.50	0.11	70.50	0.07	84.50	0.05
42.75	0.19	56.75	0.11	70.75	0.07	84.75	0.05
43.00	0.19	57.00	0.11	71.00	0.07	85.00	0.05
43.25	0.19	57.25	0.11	71.25	0.07	85.25	0.05
43.50	0.18	57.50	0.10	71.50	0.07	85.50	0.05
43.75	0.18	57.75	0.10	71.75	0.07	85.75	0.05
44.00	0.18	58.00	0.10	72.00	0.07	86.00	0.05
44.25	0.18	58.25	0.10	72.25	0.07	86.25	0.05
44.50	0.18	58.50	0.10	72.50	0.07	86.50	0.05
44.75	0.17	58.75	0.10	72.75	0.07	86.75	0.05
45.00	0.17	59.00	0.10	73.00	0.07	87.00	0.05
45.25	0.17	59.25	0.10	73.25	0.06	87.25	0.05
45.50	0.17	59.50	0.10	73.50	0.06	87.50	0.05
45.75	0.17	59.75	0.10	73.75	0.06	87.75	0.05
46.00	0.16	60.00	0.10	74.00	0.06	88.00	0.04
46.25	0.16	60.25	0.10	74.25	0.06	88.25	0.04
46.50	0.16	60.50	0.09	74.50	0.06	88.50	0.04
46.75	0.16	60.75	0.09	74.75	0.06	88.75	0.04
47.00	0.16	61.00	0.09	75.00	0.06	89.00	0.04
47.25	0.16	61.25	0.09	75.25	0.06	89.25	0.04
47.50	0.15	61.50	0.09	75.50	0.06	89.50	0.04
47.75	0.15	61.75	0.09	75.75	0.06	89.75	0.04
48.00	0.15	62.00	0.09	76.00	0.06	90.00	0.04
48.25	0.15	62.25	0.09	76.25	0.06	90.25	0.04
48.50	0.15	62.50	0.09	76.50	0.06	90.50	0.04
48.75	0.15	62.75	0.09	76.75	0.06	90.75	0.04
49.00	0.14	63.00	0.09	77.00	0.06	91.00	0.04
49.25	0.14	63.25	0.09	77.25	0.06	91.25	0.04
49.50	0.14	63.50	0.09	77.50	0.06	91.50	0.04
49.75	0.14	63.75	0.09	77.75	0.06	91.75	0.04
50.00	0.14	64.00	0.08	78.00	0.06	92.00	0.04
50.25	0.14	64.25	0.08	78.25	0.06	92.25	0.04
50.50	0.14	64.50	0.08	78.50	0.06	92.50	0.04
50.75	0.13	64.75	0.08	78.75	0.06	92.75	0.04
51.00	0.13	65.00	0.08	79.00	0.06	93.00	0.04
51.25	0.13	65.25	0.08	79.25	0.06	93.25	0.04
51.50	0.13	65.50	0.08	79.50	0.05	93.50	0.04
51.75	0.13	65.75	0.08	79.75	0.05	93.75	0.04
52.00	0.13	66.00	0.08	80.00	0.05	94.00	0.04
52.25	0.13	66.25	0.08	80.25	0.05	94.25	0.04
52.50	0.13	66.50	0.08	80.50	0.05	94.50	0.04
52.75	0.12	66.75	0.08	80.75	0.05	94.75	0.04
53.00	0.12	67.00	0.08	81.00	0.05	95.00	0.04
53.25	0.12	67.25	0.08	81.25	0.05	95.25	0.04
53.50	0.12	67.50	0.08	81.50	0.05	95.50	0.04
53.75	0.12	67.75	0.08	81.75	0.05	95.75	0.04
54.00	0.12	68.00	0.07	82.00	0.05	96.00	0.04

Table 13 – 30%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 60% reflections)

Meters 1 Collector Meter - 7 SMART Meters

Time Avg: 40% % Reflection 60%

Distance where limits are exceeded

FCC ft.	0.82	9.9	Inches
BioInitiative ft.	68.00	816.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	3698.29	10.25	4.40	20.25	1.13	30.25	0.51
0.50	1479.32	10.50	4.19	20.50	1.10	30.50	0.50
0.75	739.66	10.75	4.00	20.75	1.07	30.75	0.49
1.00	435.09	11.00	3.82	21.00	1.05	31.00	0.48
1.25	284.48	11.25	3.65	21.25	1.02	31.25	0.47
1.50	199.91	11.50	3.49	21.50	1.00	31.50	0.47
1.75	147.93	11.75	3.35	21.75	0.98	31.75	0.46
2.00	113.79	12.00	3.21	22.00	0.96	32.00	0.45
2.25	90.20	12.25	3.08	22.25	0.93	32.25	0.44
2.50	73.23	12.50	2.96	22.50	0.91	32.50	0.44
2.75	60.63	12.75	2.84	22.75	0.89	32.75	0.43
3.00	51.01	13.00	2.73	23.00	0.87	33.00	0.42
3.25	43.51	13.25	2.63	23.25	0.86	33.25	0.42
3.50	37.55	13.50	2.54	23.50	0.84	33.50	0.41
3.75	32.73	13.75	2.44	23.75	0.82	33.75	0.41
4.00	28.78	14.00	2.36	24.00	0.80	34.00	0.40
4.25	25.51	14.25	2.28	24.25	0.79	34.25	0.39
4.50	22.76	14.50	2.20	24.50	0.77	34.50	0.39
4.75	20.43	14.75	2.12	24.75	0.75	34.75	0.38
5.00	18.45	15.00	2.05	25.00	0.74	35.00	0.38
5.25	16.73	15.25	1.99	25.25	0.73	35.25	0.37
5.50	15.25	15.50	1.92	25.50	0.71	35.50	0.37
5.75	13.96	15.75	1.86	25.75	0.70	35.75	0.36
6.00	12.82	16.00	1.81	26.00	0.68	36.00	0.36
6.25	11.82	16.25	1.75	26.25	0.67	36.25	0.35
6.50	10.93	16.50	1.70	26.50	0.66	36.50	0.35
6.75	10.13	16.75	1.65	26.75	0.65	36.75	0.34
7.00	9.42	17.00	1.60	27.00	0.63	37.00	0.34
7.25	8.78	17.25	1.55	27.25	0.62	37.25	0.33
7.50	8.21	17.50	1.51	27.50	0.61	37.50	0.33
7.75	7.69	17.75	1.47	27.75	0.60	37.75	0.32
8.00	7.22	18.00	1.43	28.00	0.59	38.00	0.32
8.25	6.79	18.25	1.39	28.25	0.58	38.25	0.32
8.50	6.39	18.50	1.35	28.50	0.57	38.50	0.31
8.75	6.03	18.75	1.31	28.75	0.56	38.75	0.31
9.00	5.70	19.00	1.28	29.00	0.55	39.00	0.30
9.25	5.40	19.25	1.25	29.25	0.54	39.25	0.30
9.50	5.12	19.50	1.22	29.50	0.53	39.50	0.30
9.75	4.86	19.75	1.18	29.75	0.52	39.75	0.29
10.00	4.62	20.00	1.16	30.00	0.51	40.00	0.29

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 13 – 40%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 60% reflections)

Meters 1 Collector Meter - 7 SMART Meters

Time Avg: 40% % Reflection 60%

Distance where limits are exceeded

FCC ft.	0.82	9.88	Inches
BioInitiative ft.	68.00	816.00	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.29	54.25	0.16	68.25	0.10	82.25	0.07
40.50	0.28	54.50	0.16	68.50	0.10	82.50	0.07
40.75	0.28	54.75	0.15	68.75	0.10	82.75	0.07
41.00	0.27	55.00	0.15	69.00	0.10	83.00	0.07
41.25	0.27	55.25	0.15	69.25	0.10	83.25	0.07
41.50	0.27	55.50	0.15	69.50	0.10	83.50	0.07
41.75	0.27	55.75	0.15	69.75	0.10	83.75	0.07
42.00	0.26	56.00	0.15	70.00	0.09	84.00	0.07
42.25	0.26	56.25	0.15	70.25	0.09	84.25	0.07
42.50	0.26	56.50	0.14	70.50	0.09	84.50	0.06
42.75	0.25	56.75	0.14	70.75	0.09	84.75	0.06
43.00	0.25	57.00	0.14	71.00	0.09	85.00	0.06
43.25	0.25	57.25	0.14	71.25	0.09	85.25	0.06
43.50	0.24	57.50	0.14	71.50	0.09	85.50	0.06
43.75	0.24	57.75	0.14	71.75	0.09	85.75	0.06
44.00	0.24	58.00	0.14	72.00	0.09	86.00	0.06
44.25	0.24	58.25	0.14	72.25	0.09	86.25	0.06
44.50	0.23	58.50	0.14	72.50	0.09	86.50	0.06
44.75	0.23	58.75	0.13	72.75	0.09	86.75	0.06
45.00	0.23	59.00	0.13	73.00	0.09	87.00	0.06
45.25	0.23	59.25	0.13	73.25	0.09	87.25	0.06
45.50	0.22	59.50	0.13	73.50	0.09	87.50	0.06
45.75	0.22	59.75	0.13	73.75	0.08	87.75	0.06
46.00	0.22	60.00	0.13	74.00	0.08	88.00	0.06
46.25	0.22	60.25	0.13	74.25	0.08	88.25	0.06
46.50	0.21	60.50	0.13	74.50	0.08	88.50	0.06
46.75	0.21	60.75	0.13	74.75	0.08	88.75	0.06
47.00	0.21	61.00	0.12	75.00	0.08	89.00	0.06
47.25	0.21	61.25	0.12	75.25	0.08	89.25	0.06
47.50	0.20	61.50	0.12	75.50	0.08	89.50	0.06
47.75	0.20	61.75	0.12	75.75	0.08	89.75	0.06
48.00	0.20	62.00	0.12	76.00	0.08	90.00	0.06
48.25	0.20	62.25	0.12	76.25	0.08	90.25	0.06
48.50	0.20	62.50	0.12	76.50	0.08	90.50	0.06
48.75	0.19	62.75	0.12	76.75	0.08	90.75	0.06
49.00	0.19	63.00	0.12	77.00	0.08	91.00	0.06
49.25	0.19	63.25	0.12	77.25	0.08	91.25	0.06
49.50	0.19	63.50	0.11	77.50	0.08	91.50	0.06
49.75	0.19	63.75	0.11	77.75	0.08	91.75	0.05
50.00	0.18	64.00	0.11	78.00	0.08	92.00	0.05
50.25	0.18	64.25	0.11	78.25	0.08	92.25	0.05
50.50	0.18	64.50	0.11	78.50	0.08	92.50	0.05
50.75	0.18	64.75	0.11	78.75	0.07	92.75	0.05
51.00	0.18	65.00	0.11	79.00	0.07	93.00	0.05
51.25	0.18	65.25	0.11	79.25	0.07	93.25	0.05
51.50	0.17	65.50	0.11	79.50	0.07	93.50	0.05
51.75	0.17	65.75	0.11	79.75	0.07	93.75	0.05
52.00	0.17	66.00	0.11	80.00	0.07	94.00	0.05
52.25	0.17	66.25	0.11	80.25	0.07	94.25	0.05
52.50	0.17	66.50	0.10	80.50	0.07	94.50	0.05
52.75	0.17	66.75	0.10	80.75	0.07	94.75	0.05
53.00	0.16	67.00	0.10	81.00	0.07	95.00	0.05
53.25	0.16	67.25	0.10	81.25	0.07	95.25	0.05
53.50	0.16	67.50	0.10	81.50	0.07	95.50	0.05
53.75	0.16	67.75	0.10	81.75	0.07	95.75	0.05
54.00	0.16	68.00	0.10	82.00	0.07	96.00	0.05

Table 13 – 40%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 60% reflections)

Meters 1 Collector Meter - 7 SMART Meters

Time Avg: 50% % Reflection 60%

Distance where limits are exceeded		
FCC ft.	0.93	11.1 Inches
BioInitiative ft.	76.00	912.0 Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	4622.86	10.25	5.50	20.25	1.41	30.25	0.63
0.50	1849.14	10.50	5.24	20.50	1.37	30.50	0.62
0.75	924.57	10.75	5.00	20.75	1.34	30.75	0.61
1.00	543.87	11.00	4.77	21.00	1.31	31.00	0.60
1.25	355.60	11.25	4.56	21.25	1.28	31.25	0.59
1.50	249.88	11.50	4.37	21.50	1.25	31.50	0.58
1.75	184.91	11.75	4.18	21.75	1.22	31.75	0.57
2.00	142.24	12.00	4.01	22.00	1.19	32.00	0.56
2.25	112.75	12.25	3.85	22.25	1.17	32.25	0.56
2.50	91.54	12.50	3.70	22.50	1.14	32.50	0.55
2.75	75.78	12.75	3.55	22.75	1.12	32.75	0.54
3.00	63.76	13.00	3.42	23.00	1.09	33.00	0.53
3.25	54.39	13.25	3.29	23.25	1.07	33.25	0.52
3.50	46.93	13.50	3.17	23.50	1.05	33.50	0.51
3.75	40.91	13.75	3.06	23.75	1.02	33.75	0.51
4.00	35.98	14.00	2.95	24.00	1.00	34.00	0.50
4.25	31.88	14.25	2.84	24.25	0.98	34.25	0.49
4.50	28.45	14.50	2.75	24.50	0.96	34.50	0.49
4.75	25.54	14.75	2.66	24.75	0.94	34.75	0.48
5.00	23.06	15.00	2.57	25.00	0.92	35.00	0.47
5.25	20.92	15.25	2.48	25.25	0.91	35.25	0.47
5.50	19.06	15.50	2.40	25.50	0.89	35.50	0.46
5.75	17.44	15.75	2.33	25.75	0.87	35.75	0.45
6.00	16.02	16.00	2.26	26.00	0.85	36.00	0.45
6.25	14.77	16.25	2.19	26.25	0.84	36.25	0.44
6.50	13.66	16.50	2.12	26.50	0.82	36.50	0.43
6.75	12.67	16.75	2.06	26.75	0.81	36.75	0.43
7.00	11.78	17.00	2.00	27.00	0.79	37.00	0.42
7.25	10.98	17.25	1.94	27.25	0.78	37.25	0.42
7.50	10.26	17.50	1.89	27.50	0.76	37.50	0.41
7.75	9.61	17.75	1.83	27.75	0.75	37.75	0.41
8.00	9.02	18.00	1.78	28.00	0.74	38.00	0.40
8.25	8.48	18.25	1.73	28.25	0.72	38.25	0.39
8.50	7.99	18.50	1.69	28.50	0.71	38.50	0.39
8.75	7.54	18.75	1.64	28.75	0.70	38.75	0.38
9.00	7.13	19.00	1.60	29.00	0.69	39.00	0.38
9.25	6.75	19.25	1.56	29.25	0.68	39.25	0.38
9.50	6.40	19.50	1.52	29.50	0.66	39.50	0.37
9.75	6.07	19.75	1.48	29.75	0.65	39.75	0.37
10.00	5.77	20.00	1.44	30.00	0.64	40.00	0.36

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 13 – 50%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 60% reflections)

Meters 1 Collector Meter - 7 SMART Meters
Time Avg: 50% % Reflection 60%

Distance where limits are exceeded

FCC ft.	0.93	11.15	Inches
BioInitiative ft.	76.00	912.00	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.36	54.25	0.20	68.25	0.12	82.25	0.09
40.50	0.35	54.50	0.19	68.50	0.12	82.50	0.08
40.75	0.35	54.75	0.19	68.75	0.12	82.75	0.08
41.00	0.34	55.00	0.19	69.00	0.12	83.00	0.08
41.25	0.34	55.25	0.19	69.25	0.12	83.25	0.08
41.50	0.34	55.50	0.19	69.50	0.12	83.50	0.08
41.75	0.33	55.75	0.19	69.75	0.12	83.75	0.08
42.00	0.33	56.00	0.18	70.00	0.12	84.00	0.08
42.25	0.32	56.25	0.18	70.25	0.12	84.25	0.08
42.50	0.32	56.50	0.18	70.50	0.12	84.50	0.08
42.75	0.32	56.75	0.18	70.75	0.12	84.75	0.08
43.00	0.31	57.00	0.18	71.00	0.11	85.00	0.08
43.25	0.31	57.25	0.18	71.25	0.11	85.25	0.08
43.50	0.31	57.50	0.17	71.50	0.11	85.50	0.08
43.75	0.30	57.75	0.17	71.75	0.11	85.75	0.08
44.00	0.30	58.00	0.17	72.00	0.11	86.00	0.08
44.25	0.30	58.25	0.17	72.25	0.11	86.25	0.08
44.50	0.29	58.50	0.17	72.50	0.11	86.50	0.08
44.75	0.29	58.75	0.17	72.75	0.11	86.75	0.08
45.00	0.29	59.00	0.17	73.00	0.11	87.00	0.08
45.25	0.28	59.25	0.16	73.25	0.11	87.25	0.08
45.50	0.28	59.50	0.16	73.50	0.11	87.50	0.08
45.75	0.28	59.75	0.16	73.75	0.11	87.75	0.08
46.00	0.27	60.00	0.16	74.00	0.11	88.00	0.07
46.25	0.27	60.25	0.16	74.25	0.10	88.25	0.07
46.50	0.27	60.50	0.16	74.50	0.10	88.50	0.07
46.75	0.26	60.75	0.16	74.75	0.10	88.75	0.07
47.00	0.26	61.00	0.16	75.00	0.10	89.00	0.07
47.25	0.26	61.25	0.15	75.25	0.10	89.25	0.07
47.50	0.26	61.50	0.15	75.50	0.10	89.50	0.07
47.75	0.25	61.75	0.15	75.75	0.10	89.75	0.07
48.00	0.25	62.00	0.15	76.00	0.10	90.00	0.07
48.25	0.25	62.25	0.15	76.25	0.10	90.25	0.07
48.50	0.25	62.50	0.15	76.50	0.10	90.50	0.07
48.75	0.24	62.75	0.15	76.75	0.10	90.75	0.07
49.00	0.24	63.00	0.15	77.00	0.10	91.00	0.07
49.25	0.24	63.25	0.14	77.25	0.10	91.25	0.07
49.50	0.24	63.50	0.14	77.50	0.10	91.50	0.07
49.75	0.23	63.75	0.14	77.75	0.10	91.75	0.07
50.00	0.23	64.00	0.14	78.00	0.09	92.00	0.07
50.25	0.23	64.25	0.14	78.25	0.09	92.25	0.07
50.50	0.23	64.50	0.14	78.50	0.09	92.50	0.07
50.75	0.22	64.75	0.14	78.75	0.09	92.75	0.07
51.00	0.22	65.00	0.14	79.00	0.09	93.00	0.07
51.25	0.22	65.25	0.14	79.25	0.09	93.25	0.07
51.50	0.22	65.50	0.13	79.50	0.09	93.50	0.07
51.75	0.22	65.75	0.13	79.75	0.09	93.75	0.07
52.00	0.21	66.00	0.13	80.00	0.09	94.00	0.07
52.25	0.21	66.25	0.13	80.25	0.09	94.25	0.07
52.50	0.21	66.50	0.13	80.50	0.09	94.50	0.06
52.75	0.21	66.75	0.13	80.75	0.09	94.75	0.06
53.00	0.21	67.00	0.13	81.00	0.09	95.00	0.06
53.25	0.20	67.25	0.13	81.25	0.09	95.25	0.06
53.50	0.20	67.50	0.13	81.50	0.09	95.50	0.06
53.75	0.20	67.75	0.13	81.75	0.09	95.75	0.06
54.00	0.20	68.00	0.12	82.00	0.09	96.00	0.06

Table 13 – 50%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 60% reflections)

Meters 1 Collector Meter - 7 SMART Meters

Time Avg: 60% % Reflection 60%

Distance where limits are exceeded			
FCC ft.	1.02	12.3	Inches
BioInitiative ft.	83.10	997.2	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	5547.43	10.25	6.60	20.25	1.69	30.25	0.76
0.50	2218.97	10.50	6.29	20.50	1.65	30.50	0.75
0.75	1109.49	10.75	6.00	20.75	1.61	30.75	0.73
1.00	652.64	11.00	5.73	21.00	1.57	31.00	0.72
1.25	426.73	11.25	5.48	21.25	1.54	31.25	0.71
1.50	299.86	11.50	5.24	21.50	1.50	31.50	0.70
1.75	221.90	11.75	5.02	21.75	1.47	31.75	0.69
2.00	170.69	12.00	4.81	22.00	1.43	32.00	0.68
2.25	135.30	12.25	4.62	22.25	1.40	32.25	0.67
2.50	109.85	12.50	4.44	22.50	1.37	32.50	0.66
2.75	90.94	12.75	4.26	22.75	1.34	32.75	0.65
3.00	76.52	13.00	4.10	23.00	1.31	33.00	0.64
3.25	65.26	13.25	3.95	23.25	1.28	33.25	0.63
3.50	56.32	13.50	3.80	23.50	1.26	33.50	0.62
3.75	49.09	13.75	3.67	23.75	1.23	33.75	0.61
4.00	43.17	14.00	3.54	24.00	1.20	34.00	0.60
4.25	38.26	14.25	3.41	24.25	1.18	34.25	0.59
4.50	34.14	14.50	3.30	24.50	1.16	34.50	0.58
4.75	30.65	14.75	3.19	24.75	1.13	34.75	0.57
5.00	27.67	15.00	3.08	25.00	1.11	35.00	0.57
5.25	25.10	15.25	2.98	25.25	1.09	35.25	0.56
5.50	22.88	15.50	2.89	25.50	1.07	35.50	0.55
5.75	20.93	15.75	2.79	25.75	1.05	35.75	0.54
6.00	19.23	16.00	2.71	26.00	1.03	36.00	0.54
6.25	17.72	16.25	2.63	26.25	1.01	36.25	0.53
6.50	16.39	16.50	2.55	26.50	0.99	36.50	0.52
6.75	15.20	16.75	2.47	26.75	0.97	36.75	0.51
7.00	14.13	17.00	2.40	27.00	0.95	37.00	0.51
7.25	13.18	17.25	2.33	27.25	0.93	37.25	0.50
7.50	12.31	17.50	2.26	27.50	0.92	37.50	0.49
7.75	11.53	17.75	2.20	27.75	0.90	37.75	0.49
8.00	10.82	18.00	2.14	28.00	0.88	38.00	0.48
8.25	10.18	18.25	2.08	28.25	0.87	38.25	0.47
8.50	9.59	18.50	2.03	28.50	0.85	38.50	0.47
8.75	9.05	18.75	1.97	28.75	0.84	38.75	0.46
9.00	8.55	19.00	1.92	29.00	0.82	39.00	0.46
9.25	8.10	19.25	1.87	29.25	0.81	39.25	0.45
9.50	7.68	19.50	1.82	29.50	0.80	39.50	0.44
9.75	7.29	19.75	1.78	29.75	0.78	39.75	0.44
10.00	6.93	20.00	1.73	30.00	0.77	40.00	0.43

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 13 – 60%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 60% reflections)

Meters 1 Collector Meter - 7 SMART Meters

Time Avg: 60% % Reflection 60%

Distance where limits are exceeded			
FCC ft.	1.02	12.28	Inches
BioInitiative ft.	83.10	997.20	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.43	54.25	0.24	68.25	0.15	82.25	0.10
40.50	0.42	54.50	0.23	68.50	0.15	82.50	0.10
40.75	0.42	54.75	0.23	68.75	0.15	82.75	0.10
41.00	0.41	55.00	0.23	69.00	0.15	83.00	0.10
41.25	0.41	55.25	0.23	69.25	0.14	83.25	0.10
41.50	0.40	55.50	0.23	69.50	0.14	83.50	0.10
41.75	0.40	55.75	0.22	69.75	0.14	83.75	0.10
42.00	0.39	56.00	0.22	70.00	0.14	84.00	0.10
42.25	0.39	56.25	0.22	70.25	0.14	84.25	0.10
42.50	0.38	56.50	0.22	70.50	0.14	84.50	0.10
42.75	0.38	56.75	0.22	70.75	0.14	84.75	0.10
43.00	0.38	57.00	0.21	71.00	0.14	85.00	0.10
43.25	0.37	57.25	0.21	71.25	0.14	85.25	0.10
43.50	0.37	57.50	0.21	71.50	0.14	85.50	0.09
43.75	0.36	57.75	0.21	71.75	0.13	85.75	0.09
44.00	0.36	58.00	0.21	72.00	0.13	86.00	0.09
44.25	0.35	58.25	0.20	72.25	0.13	86.25	0.09
44.50	0.35	58.50	0.20	72.50	0.13	86.50	0.09
44.75	0.35	58.75	0.20	72.75	0.13	86.75	0.09
45.00	0.34	59.00	0.20	73.00	0.13	87.00	0.09
45.25	0.34	59.25	0.20	73.25	0.13	87.25	0.09
45.50	0.33	59.50	0.20	73.50	0.13	87.50	0.09
45.75	0.33	59.75	0.19	73.75	0.13	87.75	0.09
46.00	0.33	60.00	0.19	74.00	0.13	88.00	0.09
46.25	0.32	60.25	0.19	74.25	0.13	88.25	0.09
46.50	0.32	60.50	0.19	74.50	0.12	88.50	0.09
46.75	0.32	60.75	0.19	74.75	0.12	88.75	0.09
47.00	0.31	61.00	0.19	75.00	0.12	89.00	0.09
47.25	0.31	61.25	0.18	75.25	0.12	89.25	0.09
47.50	0.31	61.50	0.18	75.50	0.12	89.50	0.09
47.75	0.30	61.75	0.18	75.75	0.12	89.75	0.09
48.00	0.30	62.00	0.18	76.00	0.12	90.00	0.09
48.25	0.30	62.25	0.18	76.25	0.12	90.25	0.09
48.50	0.29	62.50	0.18	76.50	0.12	90.50	0.08
48.75	0.29	62.75	0.18	76.75	0.12	90.75	0.08
49.00	0.29	63.00	0.17	77.00	0.12	91.00	0.08
49.25	0.29	63.25	0.17	77.25	0.12	91.25	0.08
49.50	0.28	63.50	0.17	77.50	0.12	91.50	0.08
49.75	0.28	63.75	0.17	77.75	0.11	91.75	0.08
50.00	0.28	64.00	0.17	78.00	0.11	92.00	0.08
50.25	0.27	64.25	0.17	78.25	0.11	92.25	0.08
50.50	0.27	64.50	0.17	78.50	0.11	92.50	0.08
50.75	0.27	64.75	0.17	78.75	0.11	92.75	0.08
51.00	0.27	65.00	0.16	79.00	0.11	93.00	0.08
51.25	0.26	65.25	0.16	79.25	0.11	93.25	0.08
51.50	0.26	65.50	0.16	79.50	0.11	93.50	0.08
51.75	0.26	65.75	0.16	79.75	0.11	93.75	0.08
52.00	0.26	66.00	0.16	80.00	0.11	94.00	0.08
52.25	0.25	66.25	0.16	80.25	0.11	94.25	0.08
52.50	0.25	66.50	0.16	80.50	0.11	94.50	0.08
52.75	0.25	66.75	0.16	80.75	0.11	94.75	0.08
53.00	0.25	67.00	0.15	81.00	0.11	95.00	0.08
53.25	0.24	67.25	0.15	81.25	0.11	95.25	0.08
53.50	0.24	67.50	0.15	81.50	0.10	95.50	0.08
53.75	0.24	67.75	0.15	81.75	0.10	95.75	0.08
54.00	0.24	68.00	0.15	82.00	0.10	96.00	0.08

Table 13 – 60%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 60% reflections)

Meters 1 Collector Meter - 7 SMART Meters

Time Avg: 70% % Reflection 60%

Distance where limits are exceeded			
FCC ft.	1.11	13.3	Inches
BioInitiative ft.	90.00	1080.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	6472.00	10.25	7.70	20.25	1.97	30.25	0.88
0.50	2588.80	10.50	7.33	20.50	1.92	30.50	0.87
0.75	1294.40	10.75	7.00	20.75	1.88	30.75	0.86
1.00	761.41	11.00	6.68	21.00	1.83	31.00	0.84
1.25	497.85	11.25	6.39	21.25	1.79	31.25	0.83
1.50	349.84	11.50	6.11	21.50	1.75	31.50	0.82
1.75	258.88	11.75	5.86	21.75	1.71	31.75	0.80
2.00	199.14	12.00	5.62	22.00	1.67	32.00	0.79
2.25	157.85	12.25	5.39	22.25	1.63	32.25	0.78
2.50	128.16	12.50	5.18	22.50	1.60	32.50	0.77
2.75	106.10	12.75	4.97	22.75	1.56	32.75	0.75
3.00	89.27	13.00	4.79	23.00	1.53	33.00	0.74
3.25	76.14	13.25	4.61	23.25	1.50	33.25	0.73
3.50	65.71	13.50	4.44	23.50	1.46	33.50	0.72
3.75	57.27	13.75	4.28	23.75	1.43	33.75	0.71
4.00	50.37	14.00	4.13	24.00	1.40	34.00	0.70
4.25	44.63	14.25	3.98	24.25	1.38	34.25	0.69
4.50	39.83	14.50	3.85	24.50	1.35	34.50	0.68
4.75	35.76	14.75	3.72	24.75	1.32	34.75	0.67
5.00	32.28	15.00	3.59	25.00	1.29	35.00	0.66
5.25	29.29	15.25	3.48	25.25	1.27	35.25	0.65
5.50	26.69	15.50	3.37	25.50	1.24	35.50	0.64
5.75	24.42	15.75	3.26	25.75	1.22	35.75	0.63
6.00	22.43	16.00	3.16	26.00	1.20	36.00	0.62
6.25	20.68	16.25	3.06	26.25	1.17	36.25	0.62
6.50	19.12	16.50	2.97	26.50	1.15	36.50	0.61
6.75	17.73	16.75	2.88	26.75	1.13	36.75	0.60
7.00	16.49	17.00	2.80	27.00	1.11	37.00	0.59
7.25	15.37	17.25	2.72	27.25	1.09	37.25	0.58
7.50	14.37	17.50	2.64	27.50	1.07	37.50	0.58
7.75	13.46	17.75	2.57	27.75	1.05	37.75	0.57
8.00	12.63	18.00	2.50	28.00	1.03	38.00	0.56
8.25	11.88	18.25	2.43	28.25	1.01	38.25	0.55
8.50	11.19	18.50	2.36	28.50	1.00	38.50	0.55
8.75	10.56	18.75	2.30	28.75	0.98	38.75	0.54
9.00	9.98	19.00	2.24	29.00	0.96	39.00	0.53
9.25	9.45	19.25	2.18	29.25	0.95	39.25	0.53
9.50	8.96	19.50	2.13	29.50	0.93	39.50	0.52
9.75	8.50	19.75	2.07	29.75	0.91	39.75	0.51
10.00	8.08	20.00	2.02	30.00	0.90	40.00	0.51

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 13 – 70%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 60% reflections)

Meters 1 Collector Meter - 7 SMART Meters
Time Avg: 70% % Reflection 60%

Distance where limits are exceeded

FCC ft. 1.11	13.32	Inches
BioInitiative ft. 90.00	1080.00	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.50	54.25	0.27	68.25	0.17	82.25	0.12
40.50	0.49	54.50	0.27	68.50	0.17	82.50	0.12
40.75	0.49	54.75	0.27	68.75	0.17	82.75	0.12
41.00	0.48	55.00	0.27	69.00	0.17	83.00	0.12
41.25	0.48	55.25	0.27	69.25	0.17	83.25	0.12
41.50	0.47	55.50	0.26	69.50	0.17	83.50	0.12
41.75	0.46	55.75	0.26	69.75	0.17	83.75	0.12
42.00	0.46	56.00	0.26	70.00	0.17	84.00	0.11
42.25	0.45	56.25	0.26	70.25	0.16	84.25	0.11
42.50	0.45	56.50	0.25	70.50	0.16	84.50	0.11
42.75	0.44	56.75	0.25	70.75	0.16	84.75	0.11
43.00	0.44	57.00	0.25	71.00	0.16	85.00	0.11
43.25	0.43	57.25	0.25	71.25	0.16	85.25	0.11
43.50	0.43	57.50	0.24	71.50	0.16	85.50	0.11
43.75	0.42	57.75	0.24	71.75	0.16	85.75	0.11
44.00	0.42	58.00	0.24	72.00	0.16	86.00	0.11
44.25	0.41	58.25	0.24	72.25	0.15	86.25	0.11
44.50	0.41	58.50	0.24	72.50	0.15	86.50	0.11
44.75	0.40	58.75	0.23	72.75	0.15	86.75	0.11
45.00	0.40	59.00	0.23	73.00	0.15	87.00	0.11
45.25	0.40	59.25	0.23	73.25	0.15	87.25	0.11
45.50	0.39	59.50	0.23	73.50	0.15	87.50	0.11
45.75	0.39	59.75	0.23	73.75	0.15	87.75	0.11
46.00	0.38	60.00	0.22	74.00	0.15	88.00	0.10
46.25	0.38	60.25	0.22	74.25	0.15	88.25	0.10
46.50	0.37	60.50	0.22	74.50	0.15	88.50	0.10
46.75	0.37	60.75	0.22	74.75	0.14	88.75	0.10
47.00	0.37	61.00	0.22	75.00	0.14	89.00	0.10
47.25	0.36	61.25	0.22	75.25	0.14	89.25	0.10
47.50	0.36	61.50	0.21	75.50	0.14	89.50	0.10
47.75	0.35	61.75	0.21	75.75	0.14	89.75	0.10
48.00	0.35	62.00	0.21	76.00	0.14	90.00	0.10
48.25	0.35	62.25	0.21	76.25	0.14	90.25	0.10
48.50	0.34	62.50	0.21	76.50	0.14	90.50	0.10
48.75	0.34	62.75	0.21	76.75	0.14	90.75	0.10
49.00	0.34	63.00	0.20	77.00	0.14	91.00	0.10
49.25	0.33	63.25	0.20	77.25	0.14	91.25	0.10
49.50	0.33	63.50	0.20	77.50	0.13	91.50	0.10
49.75	0.33	63.75	0.20	77.75	0.13	91.75	0.10
50.00	0.32	64.00	0.20	78.00	0.13	92.00	0.10
50.25	0.32	64.25	0.20	78.25	0.13	92.25	0.10
50.50	0.32	64.50	0.19	78.50	0.13	92.50	0.09
50.75	0.31	64.75	0.19	78.75	0.13	92.75	0.09
51.00	0.31	65.00	0.19	79.00	0.13	93.00	0.09
51.25	0.31	65.25	0.19	79.25	0.13	93.25	0.09
51.50	0.31	65.50	0.19	79.50	0.13	93.50	0.09
51.75	0.30	65.75	0.19	79.75	0.13	93.75	0.09
52.00	0.30	66.00	0.19	80.00	0.13	94.00	0.09
52.25	0.30	66.25	0.18	80.25	0.13	94.25	0.09
52.50	0.29	66.50	0.18	80.50	0.12	94.50	0.09
52.75	0.29	66.75	0.18	80.75	0.12	94.75	0.09
53.00	0.29	67.00	0.18	81.00	0.12	95.00	0.09
53.25	0.29	67.25	0.18	81.25	0.12	95.25	0.09
53.50	0.28	67.50	0.18	81.50	0.12	95.50	0.09
53.75	0.28	67.75	0.18	81.75	0.12	95.75	0.09
54.00	0.28	68.00	0.17	82.00	0.12	96.00	0.09

Table 13 – 70%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 60% reflections)

Meters 1 Collector Meter

Time Avg: 80% % Reflection 60%

Distance where limits are exceeded			
FCC ft.	1.19	14.3	Inches
BioInitiative ft.	96.00	1152.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	7396.58	10.25	8.79	20.25	2.25	30.25	1.01
0.50	2958.63	10.50	8.38	20.50	2.20	30.50	0.99
0.75	1479.32	10.75	8.00	20.75	2.15	30.75	0.98
1.00	870.19	11.00	7.64	21.00	2.10	31.00	0.96
1.25	568.97	11.25	7.30	21.25	2.05	31.25	0.95
1.50	399.81	11.50	6.99	21.50	2.00	31.50	0.93
1.75	295.86	11.75	6.69	21.75	1.95	31.75	0.92
2.00	227.59	12.00	6.42	22.00	1.91	32.00	0.90
2.25	180.40	12.25	6.16	22.25	1.87	32.25	0.89
2.50	146.47	12.50	5.91	22.50	1.83	32.50	0.88
2.75	121.26	12.75	5.69	22.75	1.79	32.75	0.86
3.00	102.02	13.00	5.47	23.00	1.75	33.00	0.85
3.25	87.02	13.25	5.26	23.25	1.71	33.25	0.84
3.50	75.09	13.50	5.07	23.50	1.67	33.50	0.82
3.75	65.46	13.75	4.89	23.75	1.64	33.75	0.81
4.00	57.56	14.00	4.72	24.00	1.60	34.00	0.80
4.25	51.01	14.25	4.55	24.25	1.57	34.25	0.79
4.50	45.52	14.50	4.40	24.50	1.54	34.50	0.78
4.75	40.87	14.75	4.25	24.75	1.51	34.75	0.77
5.00	36.89	15.00	4.11	25.00	1.48	35.00	0.75
5.25	33.47	15.25	3.97	25.25	1.45	35.25	0.74
5.50	30.50	15.50	3.85	25.50	1.42	35.50	0.73
5.75	27.91	15.75	3.73	25.75	1.39	35.75	0.72
6.00	25.64	16.00	3.61	26.00	1.37	36.00	0.71
6.25	23.63	16.25	3.50	26.25	1.34	36.25	0.70
6.50	21.85	16.50	3.40	26.50	1.32	36.50	0.69
6.75	20.26	16.75	3.29	26.75	1.29	36.75	0.68
7.00	18.84	17.00	3.20	27.00	1.27	37.00	0.68
7.25	17.57	17.25	3.11	27.25	1.25	37.25	0.67
7.50	16.42	17.50	3.02	27.50	1.22	37.50	0.66
7.75	15.38	17.75	2.93	27.75	1.20	37.75	0.65
8.00	14.43	18.00	2.85	28.00	1.18	38.00	0.64
8.25	13.57	18.25	2.78	28.25	1.16	38.25	0.63
8.50	12.79	18.50	2.70	28.50	1.14	38.50	0.62
8.75	12.07	18.75	2.63	28.75	1.12	38.75	0.62
9.00	11.41	19.00	2.56	29.00	1.10	39.00	0.61
9.25	10.80	19.25	2.49	29.25	1.08	39.25	0.60
9.50	10.24	19.50	2.43	29.50	1.06	39.50	0.59
9.75	9.72	19.75	2.37	29.75	1.04	39.75	0.59
10.00	9.24	20.00	2.31	30.00	1.03	40.00	0.58

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 13 – 80%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 60% reflections)

Meters 1 Collector Meter

Time Avg: 80% % Reflection 60%

Distance where limits are exceeded			
FCC ft. 1.19		14.29 Inches	
BioInitiative ft. 96.00		1152.00 Inches	

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.57	54.25	0.31	68.25	0.20	82.25	0.14
40.50	0.56	54.50	0.31	68.50	0.20	82.50	0.14
40.75	0.56	54.75	0.31	68.75	0.20	82.75	0.14
41.00	0.55	55.00	0.31	69.00	0.19	83.00	0.13
41.25	0.54	55.25	0.30	69.25	0.19	83.25	0.13
41.50	0.54	55.50	0.30	69.50	0.19	83.50	0.13
41.75	0.53	55.75	0.30	69.75	0.19	83.75	0.13
42.00	0.52	56.00	0.29	70.00	0.19	84.00	0.13
42.25	0.52	56.25	0.29	70.25	0.19	84.25	0.13
42.50	0.51	56.50	0.29	70.50	0.19	84.50	0.13
42.75	0.51	56.75	0.29	70.75	0.18	84.75	0.13
43.00	0.50	57.00	0.28	71.00	0.18	85.00	0.13
43.25	0.49	57.25	0.28	71.25	0.18	85.25	0.13
43.50	0.49	57.50	0.28	71.50	0.18	85.50	0.13
43.75	0.48	57.75	0.28	71.75	0.18	85.75	0.13
44.00	0.48	58.00	0.27	72.00	0.18	86.00	0.13
44.25	0.47	58.25	0.27	72.25	0.18	86.25	0.12
44.50	0.47	58.50	0.27	72.50	0.18	86.50	0.12
44.75	0.46	58.75	0.27	72.75	0.17	86.75	0.12
45.00	0.46	59.00	0.27	73.00	0.17	87.00	0.12
45.25	0.45	59.25	0.26	73.25	0.17	87.25	0.12
45.50	0.45	59.50	0.26	73.50	0.17	87.50	0.12
45.75	0.44	59.75	0.26	73.75	0.17	87.75	0.12
46.00	0.44	60.00	0.26	74.00	0.17	88.00	0.12
46.25	0.43	60.25	0.25	74.25	0.17	88.25	0.12
46.50	0.43	60.50	0.25	74.50	0.17	88.50	0.12
46.75	0.42	60.75	0.25	74.75	0.17	88.75	0.12
47.00	0.42	61.00	0.25	75.00	0.16	89.00	0.12
47.25	0.41	61.25	0.25	75.25	0.16	89.25	0.12
47.50	0.41	61.50	0.24	75.50	0.16	89.50	0.12
47.75	0.41	61.75	0.24	75.75	0.16	89.75	0.11
48.00	0.40	62.00	0.24	76.00	0.16	90.00	0.11
48.25	0.40	62.25	0.24	76.25	0.16	90.25	0.11
48.50	0.39	62.50	0.24	76.50	0.16	90.50	0.11
48.75	0.39	62.75	0.23	76.75	0.16	90.75	0.11
49.00	0.39	63.00	0.23	77.00	0.16	91.00	0.11
49.25	0.38	63.25	0.23	77.25	0.15	91.25	0.11
49.50	0.38	63.50	0.23	77.50	0.15	91.50	0.11
49.75	0.37	63.75	0.23	77.75	0.15	91.75	0.11
50.00	0.37	64.00	0.23	78.00	0.15	92.00	0.11
50.25	0.37	64.25	0.22	78.25	0.15	92.25	0.11
50.50	0.36	64.50	0.22	78.50	0.15	92.50	0.11
50.75	0.36	64.75	0.22	78.75	0.15	92.75	0.11
51.00	0.36	65.00	0.22	79.00	0.15	93.00	0.11
51.25	0.35	65.25	0.22	79.25	0.15	93.25	0.11
51.50	0.35	65.50	0.22	79.50	0.15	93.50	0.11
51.75	0.35	65.75	0.21	79.75	0.15	93.75	0.11
52.00	0.34	66.00	0.21	80.00	0.14	94.00	0.10
52.25	0.34	66.25	0.21	80.25	0.14	94.25	0.10
52.50	0.34	66.50	0.21	80.50	0.14	94.50	0.10
52.75	0.33	66.75	0.21	80.75	0.14	94.75	0.10
53.00	0.33	67.00	0.21	81.00	0.14	95.00	0.10
53.25	0.33	67.25	0.20	81.25	0.14	95.25	0.10
53.50	0.32	67.50	0.20	81.50	0.14	95.50	0.10
53.75	0.32	67.75	0.20	81.75	0.14	95.75	0.10
54.00	0.32	68.00	0.20	82.00	0.14	96.00	0.10

Table 13 – 80%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 60% reflections)

Meters 1 Collector Meter - 7 SMART Meters

Time Avg: 90% % Reflection 60%

Distance where limits are exceeded			
FCC ft.	1.27	15.2	Inches
BioInitiative ft.	102.00	1224.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	8321.15	10.25	9.89	20.25	2.54	30.25	1.14
0.50	3328.46	10.50	9.43	20.50	2.47	30.50	1.12
0.75	1664.23	10.75	9.00	20.75	2.42	30.75	1.10
1.00	978.96	11.00	8.59	21.00	2.36	31.00	1.08
1.25	640.09	11.25	8.21	21.25	2.30	31.25	1.07
1.50	449.79	11.50	7.86	21.50	2.25	31.50	1.05
1.75	332.85	11.75	7.53	21.75	2.20	31.75	1.03
2.00	256.04	12.00	7.22	22.00	2.15	32.00	1.02
2.25	202.95	12.25	6.93	22.25	2.10	32.25	1.00
2.50	164.78	12.50	6.65	22.50	2.05	32.50	0.98
2.75	136.41	12.75	6.40	22.75	2.01	32.75	0.97
3.00	114.77	13.00	6.15	23.00	1.97	33.00	0.96
3.25	97.90	13.25	5.92	23.25	1.92	33.25	0.94
3.50	84.48	13.50	5.71	23.50	1.88	33.50	0.93
3.75	73.64	13.75	5.50	23.75	1.84	33.75	0.91
4.00	64.76	14.00	5.31	24.00	1.81	34.00	0.90
4.25	57.39	14.25	5.12	24.25	1.77	34.25	0.89
4.50	51.21	14.50	4.95	24.50	1.73	34.50	0.87
4.75	45.97	14.75	4.78	24.75	1.70	34.75	0.86
5.00	41.50	15.00	4.62	25.00	1.66	35.00	0.85
5.25	37.65	15.25	4.47	25.25	1.63	35.25	0.84
5.50	34.31	15.50	4.33	25.50	1.60	35.50	0.83
5.75	31.40	15.75	4.19	25.75	1.57	35.75	0.81
6.00	28.84	16.00	4.06	26.00	1.54	36.00	0.80
6.25	26.59	16.25	3.94	26.25	1.51	36.25	0.79
6.50	24.58	16.50	3.82	26.50	1.48	36.50	0.78
6.75	22.80	16.75	3.71	26.75	1.45	36.75	0.77
7.00	21.20	17.00	3.60	27.00	1.43	37.00	0.76
7.25	19.77	17.25	3.49	27.25	1.40	37.25	0.75
7.50	18.47	17.50	3.40	27.50	1.38	37.50	0.74
7.75	17.30	17.75	3.30	27.75	1.35	37.75	0.73
8.00	16.24	18.00	3.21	28.00	1.33	38.00	0.72
8.25	15.27	18.25	3.12	28.25	1.30	38.25	0.71
8.50	14.38	18.50	3.04	28.50	1.28	38.50	0.70
8.75	13.57	18.75	2.96	28.75	1.26	38.75	0.69
9.00	12.83	19.00	2.88	29.00	1.24	39.00	0.68
9.25	12.15	19.25	2.81	29.25	1.22	39.25	0.68
9.50	11.52	19.50	2.73	29.50	1.20	39.50	0.67
9.75	10.93	19.75	2.67	29.75	1.18	39.75	0.66
10.00	10.39	20.00	2.60	30.00	1.16	40.00	0.65

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 13 – 90%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 60% reflections)

Meters 1 Collector Meter - 7 SMART Meters
Time Avg: 90% % Reflection 60%

Distance where limits are exceeded			
FCC ft. 1.27		15.19 Inches	
BioInitiative ft. 102.00		1224.00 Inches	

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.64	54.25	0.35	68.25	0.22	82.25	0.15
40.50	0.63	54.50	0.35	68.50	0.22	82.50	0.15
40.75	0.63	54.75	0.35	68.75	0.22	82.75	0.15
41.00	0.62	55.00	0.34	69.00	0.22	83.00	0.15
41.25	0.61	55.25	0.34	69.25	0.22	83.25	0.15
41.50	0.60	55.50	0.34	69.50	0.22	83.50	0.15
41.75	0.60	55.75	0.33	69.75	0.21	83.75	0.15
42.00	0.59	56.00	0.33	70.00	0.21	84.00	0.15
42.25	0.58	56.25	0.33	70.25	0.21	84.25	0.15
42.50	0.58	56.50	0.33	70.50	0.21	84.50	0.15
42.75	0.57	56.75	0.32	70.75	0.21	84.75	0.14
43.00	0.56	57.00	0.32	71.00	0.21	85.00	0.14
43.25	0.56	57.25	0.32	71.25	0.20	85.25	0.14
43.50	0.55	57.50	0.31	71.50	0.20	85.50	0.14
43.75	0.54	57.75	0.31	71.75	0.20	85.75	0.14
44.00	0.54	58.00	0.31	72.00	0.20	86.00	0.14
44.25	0.53	58.25	0.31	72.25	0.20	86.25	0.14
44.50	0.53	58.50	0.30	72.50	0.20	86.50	0.14
44.75	0.52	58.75	0.30	72.75	0.20	86.75	0.14
45.00	0.51	59.00	0.30	73.00	0.20	87.00	0.14
45.25	0.51	59.25	0.30	73.25	0.19	87.25	0.14
45.50	0.50	59.50	0.29	73.50	0.19	87.50	0.14
45.75	0.50	59.75	0.29	73.75	0.19	87.75	0.14
46.00	0.49	60.00	0.29	74.00	0.19	88.00	0.13
46.25	0.49	60.25	0.29	74.25	0.19	88.25	0.13
46.50	0.48	60.50	0.28	74.50	0.19	88.50	0.13
46.75	0.48	60.75	0.28	74.75	0.19	88.75	0.13
47.00	0.47	61.00	0.28	75.00	0.18	89.00	0.13
47.25	0.47	61.25	0.28	75.25	0.18	89.25	0.13
47.50	0.46	61.50	0.28	75.50	0.18	89.50	0.13
47.75	0.46	61.75	0.27	75.75	0.18	89.75	0.13
48.00	0.45	62.00	0.27	76.00	0.18	90.00	0.13
48.25	0.45	62.25	0.27	76.25	0.18	90.25	0.13
48.50	0.44	62.50	0.27	76.50	0.18	90.50	0.13
48.75	0.44	62.75	0.26	76.75	0.18	90.75	0.13
49.00	0.43	63.00	0.26	77.00	0.18	91.00	0.13
49.25	0.43	63.25	0.26	77.25	0.17	91.25	0.12
49.50	0.42	63.50	0.26	77.50	0.17	91.50	0.12
49.75	0.42	63.75	0.26	77.75	0.17	91.75	0.12
50.00	0.42	64.00	0.25	78.00	0.17	92.00	0.12
50.25	0.41	64.25	0.25	78.25	0.17	92.25	0.12
50.50	0.41	64.50	0.25	78.50	0.17	92.50	0.12
50.75	0.40	64.75	0.25	78.75	0.17	92.75	0.12
51.00	0.40	65.00	0.25	79.00	0.17	93.00	0.12
51.25	0.40	65.25	0.24	79.25	0.17	93.25	0.12
51.50	0.39	65.50	0.24	79.50	0.16	93.50	0.12
51.75	0.39	65.75	0.24	79.75	0.16	93.75	0.12
52.00	0.38	66.00	0.24	80.00	0.16	94.00	0.12
52.25	0.38	66.25	0.24	80.25	0.16	94.25	0.12
52.50	0.38	66.50	0.24	80.50	0.16	94.50	0.12
52.75	0.37	66.75	0.23	80.75	0.16	94.75	0.12
53.00	0.37	67.00	0.23	81.00	0.16	95.00	0.12
53.25	0.37	67.25	0.23	81.25	0.16	95.25	0.11
53.50	0.36	67.50	0.23	81.50	0.16	95.50	0.11
53.75	0.36	67.75	0.23	81.75	0.16	95.75	0.11
54.00	0.36	68.00	0.22	82.00	0.15	96.00	0.11

Table 13 – 90%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 60% reflections)

Meters 1 Collector Meter - 7 SMART Meters
Time Avg: 100% % Reflection 60%

Distance where limits are exceeded

FCC ft.	1.34	16.0	Inches
BioInitiative ft.	107.30	1287.6	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	9245.72	10.25	10.99	20.25	2.82	30.25	1.26
0.50	3698.29	10.50	10.48	20.50	2.75	30.50	1.24
0.75	1849.14	10.75	10.00	20.75	2.68	30.75	1.22
1.00	1087.73	11.00	9.55	21.00	2.62	31.00	1.20
1.25	711.21	11.25	9.13	21.25	2.56	31.25	1.18
1.50	499.77	11.50	8.73	21.50	2.50	31.50	1.16
1.75	369.83	11.75	8.37	21.75	2.44	31.75	1.15
2.00	284.48	12.00	8.02	22.00	2.39	32.00	1.13
2.25	225.51	12.25	7.70	22.25	2.33	32.25	1.11
2.50	183.08	12.50	7.39	22.50	2.28	32.50	1.09
2.75	151.57	12.75	7.11	22.75	2.23	32.75	1.08
3.00	127.53	13.00	6.84	23.00	2.18	33.00	1.06
3.25	108.77	13.25	6.58	23.25	2.14	33.25	1.05
3.50	93.87	13.50	6.34	23.50	2.09	33.50	1.03
3.75	81.82	13.75	6.11	23.75	2.05	33.75	1.01
4.00	71.95	14.00	5.89	24.00	2.01	34.00	1.00
4.25	63.76	14.25	5.69	24.25	1.97	34.25	0.99
4.50	56.90	14.50	5.50	24.50	1.93	34.50	0.97
4.75	51.08	14.75	5.31	24.75	1.89	34.75	0.96
5.00	46.11	15.00	5.14	25.00	1.85	35.00	0.94
5.25	41.84	15.25	4.97	25.25	1.81	35.25	0.93
5.50	38.13	15.50	4.81	25.50	1.78	35.50	0.92
5.75	34.89	15.75	4.66	25.75	1.74	35.75	0.90
6.00	32.05	16.00	4.51	26.00	1.71	36.00	0.89
6.25	29.54	16.25	4.38	26.25	1.68	36.25	0.88
6.50	27.31	16.50	4.24	26.50	1.65	36.50	0.87
6.75	25.33	16.75	4.12	26.75	1.61	36.75	0.86
7.00	23.56	17.00	4.00	27.00	1.59	37.00	0.84
7.25	21.96	17.25	3.88	27.25	1.56	37.25	0.83
7.50	20.52	17.50	3.77	27.50	1.53	37.50	0.82
7.75	19.22	17.75	3.67	27.75	1.50	37.75	0.81
8.00	18.04	18.00	3.57	28.00	1.47	38.00	0.80
8.25	16.96	18.25	3.47	28.25	1.45	38.25	0.79
8.50	15.98	18.50	3.38	28.50	1.42	38.50	0.78
8.75	15.08	18.75	3.29	28.75	1.40	38.75	0.77
9.00	14.26	19.00	3.20	29.00	1.37	39.00	0.76
9.25	13.50	19.25	3.12	29.25	1.35	39.25	0.75
9.50	12.80	19.50	3.04	29.50	1.33	39.50	0.74
9.75	12.15	19.75	2.96	29.75	1.31	39.75	0.73
10.00	11.55	20.00	2.89	30.00	1.28	40.00	0.72

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 13 – 100%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 60% reflections)

Meters 1 Collector Meter - 7 SMART Meters
Time Avg: 100% % Reflection 60%

Distance where limits are exceeded

FCC ft. 1.34	16.05 Inches		
BioInitiative ft. 107.30	1287.60 Inches		

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.71	54.25	0.39	68.25	0.25	82.25	0.17
40.50	0.70	54.50	0.39	68.50	0.25	82.50	0.17
40.75	0.70	54.75	0.39	68.75	0.24	82.75	0.17
41.00	0.69	55.00	0.38	69.00	0.24	83.00	0.17
41.25	0.68	55.25	0.38	69.25	0.24	83.25	0.17
41.50	0.67	55.50	0.38	69.50	0.24	83.50	0.17
41.75	0.66	55.75	0.37	69.75	0.24	83.75	0.16
42.00	0.66	56.00	0.37	70.00	0.24	84.00	0.16
42.25	0.65	56.25	0.37	70.25	0.23	84.25	0.16
42.50	0.64	56.50	0.36	70.50	0.23	84.50	0.16
42.75	0.63	56.75	0.36	70.75	0.23	84.75	0.16
43.00	0.63	57.00	0.36	71.00	0.23	85.00	0.16
43.25	0.62	57.25	0.35	71.25	0.23	85.25	0.16
43.50	0.61	57.50	0.35	71.50	0.23	85.50	0.16
43.75	0.60	57.75	0.35	71.75	0.22	85.75	0.16
44.00	0.60	58.00	0.34	72.00	0.22	86.00	0.16
44.25	0.59	58.25	0.34	72.25	0.22	86.25	0.16
44.50	0.58	58.50	0.34	72.50	0.22	86.50	0.15
44.75	0.58	58.75	0.33	72.75	0.22	86.75	0.15
45.00	0.57	59.00	0.33	73.00	0.22	87.00	0.15
45.25	0.56	59.25	0.33	73.25	0.22	87.25	0.15
45.50	0.56	59.50	0.33	73.50	0.21	87.50	0.15
45.75	0.55	59.75	0.32	73.75	0.21	87.75	0.15
46.00	0.55	60.00	0.32	74.00	0.21	88.00	0.15
46.25	0.54	60.25	0.32	74.25	0.21	88.25	0.15
46.50	0.53	60.50	0.32	74.50	0.21	88.50	0.15
46.75	0.53	60.75	0.31	74.75	0.21	88.75	0.15
47.00	0.52	61.00	0.31	75.00	0.21	89.00	0.15
47.25	0.52	61.25	0.31	75.25	0.20	89.25	0.15
47.50	0.51	61.50	0.31	75.50	0.20	89.50	0.14
47.75	0.51	61.75	0.30	75.75	0.20	89.75	0.14
48.00	0.50	62.00	0.30	76.00	0.20	90.00	0.14
48.25	0.50	62.25	0.30	76.25	0.20	90.25	0.14
48.50	0.49	62.50	0.30	76.50	0.20	90.50	0.14
48.75	0.49	62.75	0.29	76.75	0.20	90.75	0.14
49.00	0.48	63.00	0.29	77.00	0.19	91.00	0.14
49.25	0.48	63.25	0.29	77.25	0.19	91.25	0.14
49.50	0.47	63.50	0.29	77.50	0.19	91.50	0.14
49.75	0.47	63.75	0.28	77.75	0.19	91.75	0.14
50.00	0.46	64.00	0.28	78.00	0.19	92.00	0.14
50.25	0.46	64.25	0.28	78.25	0.19	92.25	0.14
50.50	0.45	64.50	0.28	78.50	0.19	92.50	0.14
50.75	0.45	64.75	0.28	78.75	0.19	92.75	0.13
51.00	0.44	65.00	0.27	79.00	0.19	93.00	0.13
51.25	0.44	65.25	0.27	79.25	0.18	93.25	0.13
51.50	0.44	65.50	0.27	79.50	0.18	93.50	0.13
51.75	0.43	65.75	0.27	79.75	0.18	93.75	0.13
52.00	0.43	66.00	0.27	80.00	0.18	94.00	0.13
52.25	0.42	66.25	0.26	80.25	0.18	94.25	0.13
52.50	0.42	66.50	0.26	80.50	0.18	94.50	0.13
52.75	0.42	66.75	0.26	80.75	0.18	94.75	0.13
53.00	0.41	67.00	0.26	81.00	0.18	95.00	0.13
53.25	0.41	67.25	0.26	81.25	0.18	95.25	0.13
53.50	0.40	67.50	0.25	81.50	0.17	95.50	0.13
53.75	0.40	67.75	0.25	81.75	0.17	95.75	0.13
54.00	0.40	68.00	0.25	82.00	0.17	96.00	0.13

Table 13 – 100%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 100% reflections)

Meters 1 Collector Meter - 7 SMART Meters

Time Avg: 1% % Reflection 100%

Distance where limits are exceeded			
FCC ft.	0.17	2.0	Inches
BioInitiative ft.	13.45	161.4	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	144.46	10.25	0.17	20.25	0.04	30.25	0.02
0.50	57.79	10.50	0.16	20.50	0.04	30.50	0.02
0.75	28.89	10.75	0.16	20.75	0.04	30.75	0.02
1.00	17.00	11.00	0.15	21.00	0.04	31.00	0.02
1.25	11.11	11.25	0.14	21.25	0.04	31.25	0.02
1.50	7.81	11.50	0.14	21.50	0.04	31.50	0.02
1.75	5.78	11.75	0.13	21.75	0.04	31.75	0.02
2.00	4.45	12.00	0.13	22.00	0.04	32.00	0.02
2.25	3.52	12.25	0.12	22.25	0.04	32.25	0.02
2.50	2.86	12.50	0.12	22.50	0.04	32.50	0.02
2.75	2.37	12.75	0.11	22.75	0.03	32.75	0.02
3.00	1.99	13.00	0.11	23.00	0.03	33.00	0.02
3.25	1.70	13.25	0.10	23.25	0.03	33.25	0.02
3.50	1.47	13.50	0.10	23.50	0.03	33.50	0.02
3.75	1.28	13.75	0.10	23.75	0.03	33.75	0.02
4.00	1.12	14.00	0.09	24.00	0.03	34.00	0.02
4.25	1.00	14.25	0.09	24.25	0.03	34.25	0.02
4.50	0.89	14.50	0.09	24.50	0.03	34.50	0.02
4.75	0.80	14.75	0.08	24.75	0.03	34.75	0.01
5.00	0.72	15.00	0.08	25.00	0.03	35.00	0.01
5.25	0.65	15.25	0.08	25.25	0.03	35.25	0.01
5.50	0.60	15.50	0.08	25.50	0.03	35.50	0.01
5.75	0.55	15.75	0.07	25.75	0.03	35.75	0.01
6.00	0.50	16.00	0.07	26.00	0.03	36.00	0.01
6.25	0.46	16.25	0.07	26.25	0.03	36.25	0.01
6.50	0.43	16.50	0.07	26.50	0.03	36.50	0.01
6.75	0.40	16.75	0.06	26.75	0.03	36.75	0.01
7.00	0.37	17.00	0.06	27.00	0.02	37.00	0.01
7.25	0.34	17.25	0.06	27.25	0.02	37.25	0.01
7.50	0.32	17.50	0.06	27.50	0.02	37.50	0.01
7.75	0.30	17.75	0.06	27.75	0.02	37.75	0.01
8.00	0.28	18.00	0.06	28.00	0.02	38.00	0.01
8.25	0.27	18.25	0.05	28.25	0.02	38.25	0.01
8.50	0.25	18.50	0.05	28.50	0.02	38.50	0.01
8.75	0.24	18.75	0.05	28.75	0.02	38.75	0.01
9.00	0.22	19.00	0.05	29.00	0.02	39.00	0.01
9.25	0.21	19.25	0.05	29.25	0.02	39.25	0.01
9.50	0.20	19.50	0.05	29.50	0.02	39.50	0.01
9.75	0.19	19.75	0.05	29.75	0.02	39.75	0.01
10.00	0.18	20.00	0.05	30.00	0.02	40.00	0.01

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 14 – 1%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 100% reflections)

Meters 1 Collector Meter - 7 SMART Meters

Time Avg: 1% % Reflection 100%

Distance where limits are exceeded			
FCC ft.	0.17	2.04	Inches
BioInitiative ft.	13.45	161.40	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.01	54.25	0.01	68.25	0.00	82.25	0.00
40.50	0.01	54.50	0.01	68.50	0.00	82.50	0.00
40.75	0.01	54.75	0.01	68.75	0.00	82.75	0.00
41.00	0.01	55.00	0.01	69.00	0.00	83.00	0.00
41.25	0.01	55.25	0.01	69.25	0.00	83.25	0.00
41.50	0.01	55.50	0.01	69.50	0.00	83.50	0.00
41.75	0.01	55.75	0.01	69.75	0.00	83.75	0.00
42.00	0.01	56.00	0.01	70.00	0.00	84.00	0.00
42.25	0.01	56.25	0.01	70.25	0.00	84.25	0.00
42.50	0.01	56.50	0.01	70.50	0.00	84.50	0.00
42.75	0.01	56.75	0.01	70.75	0.00	84.75	0.00
43.00	0.01	57.00	0.01	71.00	0.00	85.00	0.00
43.25	0.01	57.25	0.01	71.25	0.00	85.25	0.00
43.50	0.01	57.50	0.01	71.50	0.00	85.50	0.00
43.75	0.01	57.75	0.01	71.75	0.00	85.75	0.00
44.00	0.01	58.00	0.01	72.00	0.00	86.00	0.00
44.25	0.01	58.25	0.01	72.25	0.00	86.25	0.00
44.50	0.01	58.50	0.01	72.50	0.00	86.50	0.00
44.75	0.01	58.75	0.01	72.75	0.00	86.75	0.00
45.00	0.01	59.00	0.01	73.00	0.00	87.00	0.00
45.25	0.01	59.25	0.01	73.25	0.00	87.25	0.00
45.50	0.01	59.50	0.01	73.50	0.00	87.50	0.00
45.75	0.01	59.75	0.01	73.75	0.00	87.75	0.00
46.00	0.01	60.00	0.01	74.00	0.00	88.00	0.00
46.25	0.01	60.25	0.00	74.25	0.00	88.25	0.00
46.50	0.01	60.50	0.00	74.50	0.00	88.50	0.00
46.75	0.01	60.75	0.00	74.75	0.00	88.75	0.00
47.00	0.01	61.00	0.00	75.00	0.00	89.00	0.00
47.25	0.01	61.25	0.00	75.25	0.00	89.25	0.00
47.50	0.01	61.50	0.00	75.50	0.00	89.50	0.00
47.75	0.01	61.75	0.00	75.75	0.00	89.75	0.00
48.00	0.01	62.00	0.00	76.00	0.00	90.00	0.00
48.25	0.01	62.25	0.00	76.25	0.00	90.25	0.00
48.50	0.01	62.50	0.00	76.50	0.00	90.50	0.00
48.75	0.01	62.75	0.00	76.75	0.00	90.75	0.00
49.00	0.01	63.00	0.00	77.00	0.00	91.00	0.00
49.25	0.01	63.25	0.00	77.25	0.00	91.25	0.00
49.50	0.01	63.50	0.00	77.50	0.00	91.50	0.00
49.75	0.01	63.75	0.00	77.75	0.00	91.75	0.00
50.00	0.01	64.00	0.00	78.00	0.00	92.00	0.00
50.25	0.01	64.25	0.00	78.25	0.00	92.25	0.00
50.50	0.01	64.50	0.00	78.50	0.00	92.50	0.00
50.75	0.01	64.75	0.00	78.75	0.00	92.75	0.00
51.00	0.01	65.00	0.00	79.00	0.00	93.00	0.00
51.25	0.01	65.25	0.00	79.25	0.00	93.25	0.00
51.50	0.01	65.50	0.00	79.50	0.00	93.50	0.00
51.75	0.01	65.75	0.00	79.75	0.00	93.75	0.00
52.00	0.01	66.00	0.00	80.00	0.00	94.00	0.00
52.25	0.01	66.25	0.00	80.25	0.00	94.25	0.00
52.50	0.01	66.50	0.00	80.50	0.00	94.50	0.00
52.75	0.01	66.75	0.00	80.75	0.00	94.75	0.00
53.00	0.01	67.00	0.00	81.00	0.00	95.00	0.00
53.25	0.01	67.25	0.00	81.25	0.00	95.25	0.00
53.50	0.01	67.50	0.00	81.50	0.00	95.50	0.00
53.75	0.01	67.75	0.00	81.75	0.00	95.75	0.00
54.00	0.01	68.00	0.00	82.00	0.00	96.00	0.00

Table 14 – 1%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 100% reflections)

Meters 1 Collector Meter - 7 SMART Meters

Time Avg: 10% % Reflection 100%

Distance where limits are exceeded		
FCC ft.	0.48	5.7 Inches
BioInitiative ft.	42.50	510.0 Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	1444.64	10.25	1.72	20.25	0.44	30.25	0.20
0.50	577.86	10.50	1.64	20.50	0.43	30.50	0.19
0.75	288.93	10.75	1.56	20.75	0.42	30.75	0.19
1.00	169.96	11.00	1.49	21.00	0.41	31.00	0.19
1.25	111.13	11.25	1.43	21.25	0.40	31.25	0.18
1.50	78.09	11.50	1.36	21.50	0.39	31.50	0.18
1.75	57.79	11.75	1.31	21.75	0.38	31.75	0.18
2.00	44.45	12.00	1.25	22.00	0.37	32.00	0.18
2.25	35.24	12.25	1.20	22.25	0.36	32.25	0.17
2.50	28.61	12.50	1.16	22.50	0.36	32.50	0.17
2.75	23.68	12.75	1.11	22.75	0.35	32.75	0.17
3.00	19.93	13.00	1.07	23.00	0.34	33.00	0.17
3.25	17.00	13.25	1.03	23.25	0.33	33.25	0.16
3.50	14.67	13.50	0.99	23.50	0.33	33.50	0.16
3.75	12.78	13.75	0.95	23.75	0.32	33.75	0.16
4.00	11.24	14.00	0.92	24.00	0.31	34.00	0.16
4.25	9.96	14.25	0.89	24.25	0.31	34.25	0.15
4.50	8.89	14.50	0.86	24.50	0.30	34.50	0.15
4.75	7.98	14.75	0.83	24.75	0.29	34.75	0.15
5.00	7.21	15.00	0.80	25.00	0.29	35.00	0.15
5.25	6.54	15.25	0.78	25.25	0.28	35.25	0.15
5.50	5.96	15.50	0.75	25.50	0.28	35.50	0.14
5.75	5.45	15.75	0.73	25.75	0.27	35.75	0.14
6.00	5.01	16.00	0.71	26.00	0.27	36.00	0.14
6.25	4.62	16.25	0.68	26.25	0.26	36.25	0.14
6.50	4.27	16.50	0.66	26.50	0.26	36.50	0.14
6.75	3.96	16.75	0.64	26.75	0.25	36.75	0.13
7.00	3.68	17.00	0.62	27.00	0.25	37.00	0.13
7.25	3.43	17.25	0.61	27.25	0.24	37.25	0.13
7.50	3.21	17.50	0.59	27.50	0.24	37.50	0.13
7.75	3.00	17.75	0.57	27.75	0.23	37.75	0.13
8.00	2.82	18.00	0.56	28.00	0.23	38.00	0.13
8.25	2.65	18.25	0.54	28.25	0.23	38.25	0.12
8.50	2.50	18.50	0.53	28.50	0.22	38.50	0.12
8.75	2.36	18.75	0.51	28.75	0.22	38.75	0.12
9.00	2.23	19.00	0.50	29.00	0.21	39.00	0.12
9.25	2.11	19.25	0.49	29.25	0.21	39.25	0.12
9.50	2.00	19.50	0.47	29.50	0.21	39.50	0.12
9.75	1.90	19.75	0.46	29.75	0.20	39.75	0.11
10.00	1.80	20.00	0.45	30.00	0.20	40.00	0.11

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 14 – 10%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 100% reflections)

Meters 1 Collector Meter - 7 SMART Meters
Time Avg: 10% % Reflection 100%

Distance where limits are exceeded

FCC ft.	0.48	5.71	Inches
BioInitiative ft.	42.50	510.00	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.11	54.25	0.06	68.25	0.04	82.25	0.03
40.50	0.11	54.50	0.06	68.50	0.04	82.50	0.03
40.75	0.11	54.75	0.06	68.75	0.04	82.75	0.03
41.00	0.11	55.00	0.06	69.00	0.04	83.00	0.03
41.25	0.11	55.25	0.06	69.25	0.04	83.25	0.03
41.50	0.10	55.50	0.06	69.50	0.04	83.50	0.03
41.75	0.10	55.75	0.06	69.75	0.04	83.75	0.03
42.00	0.10	56.00	0.06	70.00	0.04	84.00	0.03
42.25	0.10	56.25	0.06	70.25	0.04	84.25	0.03
42.50	0.10	56.50	0.06	70.50	0.04	84.50	0.03
42.75	0.10	56.75	0.06	70.75	0.04	84.75	0.03
43.00	0.10	57.00	0.06	71.00	0.04	85.00	0.02
43.25	0.10	57.25	0.06	71.25	0.04	85.25	0.02
43.50	0.10	57.50	0.05	71.50	0.04	85.50	0.02
43.75	0.09	57.75	0.05	71.75	0.04	85.75	0.02
44.00	0.09	58.00	0.05	72.00	0.03	86.00	0.02
44.25	0.09	58.25	0.05	72.25	0.03	86.25	0.02
44.50	0.09	58.50	0.05	72.50	0.03	86.50	0.02
44.75	0.09	58.75	0.05	72.75	0.03	86.75	0.02
45.00	0.09	59.00	0.05	73.00	0.03	87.00	0.02
45.25	0.09	59.25	0.05	73.25	0.03	87.25	0.02
45.50	0.09	59.50	0.05	73.50	0.03	87.50	0.02
45.75	0.09	59.75	0.05	73.75	0.03	87.75	0.02
46.00	0.09	60.00	0.05	74.00	0.03	88.00	0.02
46.25	0.08	60.25	0.05	74.25	0.03	88.25	0.02
46.50	0.08	60.50	0.05	74.50	0.03	88.50	0.02
46.75	0.08	60.75	0.05	74.75	0.03	88.75	0.02
47.00	0.08	61.00	0.05	75.00	0.03	89.00	0.02
47.25	0.08	61.25	0.05	75.25	0.03	89.25	0.02
47.50	0.08	61.50	0.05	75.50	0.03	89.50	0.02
47.75	0.08	61.75	0.05	75.75	0.03	89.75	0.02
48.00	0.08	62.00	0.05	76.00	0.03	90.00	0.02
48.25	0.08	62.25	0.05	76.25	0.03	90.25	0.02
48.50	0.08	62.50	0.05	76.50	0.03	90.50	0.02
48.75	0.08	62.75	0.05	76.75	0.03	90.75	0.02
49.00	0.08	63.00	0.05	77.00	0.03	91.00	0.02
49.25	0.07	63.25	0.05	77.25	0.03	91.25	0.02
49.50	0.07	63.50	0.04	77.50	0.03	91.50	0.02
49.75	0.07	63.75	0.04	77.75	0.03	91.75	0.02
50.00	0.07	64.00	0.04	78.00	0.03	92.00	0.02
50.25	0.07	64.25	0.04	78.25	0.03	92.25	0.02
50.50	0.07	64.50	0.04	78.50	0.03	92.50	0.02
50.75	0.07	64.75	0.04	78.75	0.03	92.75	0.02
51.00	0.07	65.00	0.04	79.00	0.03	93.00	0.02
51.25	0.07	65.25	0.04	79.25	0.03	93.25	0.02
51.50	0.07	65.50	0.04	79.50	0.03	93.50	0.02
51.75	0.07	65.75	0.04	79.75	0.03	93.75	0.02
52.00	0.07	66.00	0.04	80.00	0.03	94.00	0.02
52.25	0.07	66.25	0.04	80.25	0.03	94.25	0.02
52.50	0.07	66.50	0.04	80.50	0.03	94.50	0.02
52.75	0.06	66.75	0.04	80.75	0.03	94.75	0.02
53.00	0.06	67.00	0.04	81.00	0.03	95.00	0.02
53.25	0.06	67.25	0.04	81.25	0.03	95.25	0.02
53.50	0.06	67.50	0.04	81.50	0.03	95.50	0.02
53.75	0.06	67.75	0.04	81.75	0.03	95.75	0.02
54.00	0.06	68.00	0.04	82.00	0.03	96.00	0.02

Table 14 – 10%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 100% reflections)

Meters 1 Collector Meter - 7 SMART Meters

Time Avg: 20% % Reflection 100%

Distance where limits are exceeded			
FCC ft.	0.72	8.6	Inches
BioInitiative ft.	60.00	720.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	2889.29	10.25	3.44	20.25	0.88	30.25	0.39
0.50	1155.72	10.50	3.27	20.50	0.86	30.50	0.39
0.75	577.86	10.75	3.12	20.75	0.84	30.75	0.38
1.00	339.92	11.00	2.98	21.00	0.82	31.00	0.38
1.25	222.25	11.25	2.85	21.25	0.80	31.25	0.37
1.50	156.18	11.50	2.73	21.50	0.78	31.50	0.36
1.75	115.57	11.75	2.61	21.75	0.76	31.75	0.36
2.00	88.90	12.00	2.51	22.00	0.75	32.00	0.35
2.25	70.47	12.25	2.41	22.25	0.73	32.25	0.35
2.50	57.21	12.50	2.31	22.50	0.71	32.50	0.34
2.75	47.37	12.75	2.22	22.75	0.70	32.75	0.34
3.00	39.85	13.00	2.14	23.00	0.68	33.00	0.33
3.25	33.99	13.25	2.06	23.25	0.67	33.25	0.33
3.50	29.33	13.50	1.98	23.50	0.65	33.50	0.32
3.75	25.57	13.75	1.91	23.75	0.64	33.75	0.32
4.00	22.48	14.00	1.84	24.00	0.63	34.00	0.31
4.25	19.93	14.25	1.78	24.25	0.61	34.25	0.31
4.50	17.78	14.50	1.72	24.50	0.60	34.50	0.30
4.75	15.96	14.75	1.66	24.75	0.59	34.75	0.30
5.00	14.41	15.00	1.60	25.00	0.58	35.00	0.29
5.25	13.07	15.25	1.55	25.25	0.57	35.25	0.29
5.50	11.91	15.50	1.50	25.50	0.56	35.50	0.29
5.75	10.90	15.75	1.46	25.75	0.54	35.75	0.28
6.00	10.01	16.00	1.41	26.00	0.53	36.00	0.28
6.25	9.23	16.25	1.37	26.25	0.52	36.25	0.27
6.50	8.54	16.50	1.33	26.50	0.51	36.50	0.27
6.75	7.92	16.75	1.29	26.75	0.50	36.75	0.27
7.00	7.36	17.00	1.25	27.00	0.50	37.00	0.26
7.25	6.86	17.25	1.21	27.25	0.49	37.25	0.26
7.50	6.41	17.50	1.18	27.50	0.48	37.50	0.26
7.75	6.01	17.75	1.15	27.75	0.47	37.75	0.25
8.00	5.64	18.00	1.11	28.00	0.46	38.00	0.25
8.25	5.30	18.25	1.08	28.25	0.45	38.25	0.25
8.50	4.99	18.50	1.06	28.50	0.44	38.50	0.24
8.75	4.71	18.75	1.03	28.75	0.44	38.75	0.24
9.00	4.46	19.00	1.00	29.00	0.43	39.00	0.24
9.25	4.22	19.25	0.97	29.25	0.42	39.25	0.23
9.50	4.00	19.50	0.95	29.50	0.41	39.50	0.23
9.75	3.80	19.75	0.93	29.75	0.41	39.75	0.23
10.00	3.61	20.00	0.90	30.00	0.40	40.00	0.23

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 14 – 20%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 100% reflections)

Meters 1 Collector Meter - 7 SMART Meters

Time Avg: 20% % Reflection 100%

Distance where limits are exceeded

FCC ft.	0.72	8.62	Inches
BioInitiative ft.	60.00	720.00	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.22	54.25	0.12	68.25	0.08	82.25	0.05
40.50	0.22	54.50	0.12	68.50	0.08	82.50	0.05
40.75	0.22	54.75	0.12	68.75	0.08	82.75	0.05
41.00	0.21	55.00	0.12	69.00	0.08	83.00	0.05
41.25	0.21	55.25	0.12	69.25	0.08	83.25	0.05
41.50	0.21	55.50	0.12	69.50	0.07	83.50	0.05
41.75	0.21	55.75	0.12	69.75	0.07	83.75	0.05
42.00	0.20	56.00	0.12	70.00	0.07	84.00	0.05
42.25	0.20	56.25	0.11	70.25	0.07	84.25	0.05
42.50	0.20	56.50	0.11	70.50	0.07	84.50	0.05
42.75	0.20	56.75	0.11	70.75	0.07	84.75	0.05
43.00	0.20	57.00	0.11	71.00	0.07	85.00	0.05
43.25	0.19	57.25	0.11	71.25	0.07	85.25	0.05
43.50	0.19	57.50	0.11	71.50	0.07	85.50	0.05
43.75	0.19	57.75	0.11	71.75	0.07	85.75	0.05
44.00	0.19	58.00	0.11	72.00	0.07	86.00	0.05
44.25	0.18	58.25	0.11	72.25	0.07	86.25	0.05
44.50	0.18	58.50	0.11	72.50	0.07	86.50	0.05
44.75	0.18	58.75	0.10	72.75	0.07	86.75	0.05
45.00	0.18	59.00	0.10	73.00	0.07	87.00	0.05
45.25	0.18	59.25	0.10	73.25	0.07	87.25	0.05
45.50	0.17	59.50	0.10	73.50	0.07	87.50	0.05
45.75	0.17	59.75	0.10	73.75	0.07	87.75	0.05
46.00	0.17	60.00	0.10	74.00	0.07	88.00	0.05
46.25	0.17	60.25	0.10	74.25	0.07	88.25	0.05
46.50	0.17	60.50	0.10	74.50	0.07	88.50	0.05
46.75	0.17	60.75	0.10	74.75	0.06	88.75	0.05
47.00	0.16	61.00	0.10	75.00	0.06	89.00	0.05
47.25	0.16	61.25	0.10	75.25	0.06	89.25	0.05
47.50	0.16	61.50	0.10	75.50	0.06	89.50	0.05
47.75	0.16	61.75	0.09	75.75	0.06	89.75	0.04
48.00	0.16	62.00	0.09	76.00	0.06	90.00	0.04
48.25	0.16	62.25	0.09	76.25	0.06	90.25	0.04
48.50	0.15	62.50	0.09	76.50	0.06	90.50	0.04
48.75	0.15	62.75	0.09	76.75	0.06	90.75	0.04
49.00	0.15	63.00	0.09	77.00	0.06	91.00	0.04
49.25	0.15	63.25	0.09	77.25	0.06	91.25	0.04
49.50	0.15	63.50	0.09	77.50	0.06	91.50	0.04
49.75	0.15	63.75	0.09	77.75	0.06	91.75	0.04
50.00	0.14	64.00	0.09	78.00	0.06	92.00	0.04
50.25	0.14	64.25	0.09	78.25	0.06	92.25	0.04
50.50	0.14	64.50	0.09	78.50	0.06	92.50	0.04
50.75	0.14	64.75	0.09	78.75	0.06	92.75	0.04
51.00	0.14	65.00	0.09	79.00	0.06	93.00	0.04
51.25	0.14	65.25	0.08	79.25	0.06	93.25	0.04
51.50	0.14	65.50	0.08	79.50	0.06	93.50	0.04
51.75	0.13	65.75	0.08	79.75	0.06	93.75	0.04
52.00	0.13	66.00	0.08	80.00	0.06	94.00	0.04
52.25	0.13	66.25	0.08	80.25	0.06	94.25	0.04
52.50	0.13	66.50	0.08	80.50	0.06	94.50	0.04
52.75	0.13	66.75	0.08	80.75	0.06	94.75	0.04
53.00	0.13	67.00	0.08	81.00	0.06	95.00	0.04
53.25	0.13	67.25	0.08	81.25	0.05	95.25	0.04
53.50	0.13	67.50	0.08	81.50	0.05	95.50	0.04
53.75	0.13	67.75	0.08	81.75	0.05	95.75	0.04
54.00	0.12	68.00	0.08	82.00	0.05	96.00	0.04

Table 14 – 20%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 100% reflections)

Meters 1 Collector Meter - 7 SMART Meters

Time Avg: 30% % Reflection 100%

Distance where limits are exceeded			
FCC ft.	0.90	10.8	Inches
BioInitiative ft.	73.70	884.4	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	4333.93	10.25	5.15	20.25	1.32	30.25	0.59
0.50	1733.57	10.50	4.91	20.50	1.29	30.50	0.58
0.75	866.79	10.75	4.69	20.75	1.26	30.75	0.57
1.00	509.87	11.00	4.47	21.00	1.23	31.00	0.56
1.25	333.38	11.25	4.28	21.25	1.20	31.25	0.55
1.50	234.27	11.50	4.09	21.50	1.17	31.50	0.55
1.75	173.36	11.75	3.92	21.75	1.15	31.75	0.54
2.00	133.35	12.00	3.76	22.00	1.12	32.00	0.53
2.25	105.71	12.25	3.61	22.25	1.09	32.25	0.52
2.50	85.82	12.50	3.47	22.50	1.07	32.50	0.51
2.75	71.05	12.75	3.33	22.75	1.05	32.75	0.51
3.00	59.78	13.00	3.20	23.00	1.02	33.00	0.50
3.25	50.99	13.25	3.08	23.25	1.00	33.25	0.49
3.50	44.00	13.50	2.97	23.50	0.98	33.50	0.48
3.75	38.35	13.75	2.86	23.75	0.96	33.75	0.48
4.00	33.73	14.00	2.76	24.00	0.94	34.00	0.47
4.25	29.89	14.25	2.67	24.25	0.92	34.25	0.46
4.50	26.67	14.50	2.58	24.50	0.90	34.50	0.46
4.75	23.94	14.75	2.49	24.75	0.88	34.75	0.45
5.00	21.62	15.00	2.41	25.00	0.87	35.00	0.44
5.25	19.61	15.25	2.33	25.25	0.85	35.25	0.44
5.50	17.87	15.50	2.25	25.50	0.83	35.50	0.43
5.75	16.35	15.75	2.18	25.75	0.82	35.75	0.42
6.00	15.02	16.00	2.12	26.00	0.80	36.00	0.42
6.25	13.85	16.25	2.05	26.25	0.79	36.25	0.41
6.50	12.80	16.50	1.99	26.50	0.77	36.50	0.41
6.75	11.87	16.75	1.93	26.75	0.76	36.75	0.40
7.00	11.04	17.00	1.87	27.00	0.74	37.00	0.40
7.25	10.29	17.25	1.82	27.25	0.73	37.25	0.39
7.50	9.62	17.50	1.77	27.50	0.72	37.50	0.39
7.75	9.01	17.75	1.72	27.75	0.70	37.75	0.38
8.00	8.46	18.00	1.67	28.00	0.69	38.00	0.38
8.25	7.95	18.25	1.63	28.25	0.68	38.25	0.37
8.50	7.49	18.50	1.58	28.50	0.67	38.50	0.37
8.75	7.07	18.75	1.54	28.75	0.66	38.75	0.36
9.00	6.68	19.00	1.50	29.00	0.64	39.00	0.36
9.25	6.33	19.25	1.46	29.25	0.63	39.25	0.35
9.50	6.00	19.50	1.42	29.50	0.62	39.50	0.35
9.75	5.70	19.75	1.39	29.75	0.61	39.75	0.34
10.00	5.41	20.00	1.35	30.00	0.60	40.00	0.34

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 14 – 30%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 100% reflections)

Meters 1 Collector Meter - 7 SMART Meters

Time Avg: 30% % Reflection 100%

Distance where limits are exceeded

FCC ft. 0.90	10.77	Inches
BioInitiative ft. 73.70	884.40	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.33	54.25	0.18	68.25	0.12	82.25	0.08
40.50	0.33	54.50	0.18	68.50	0.12	82.50	0.08
40.75	0.33	54.75	0.18	68.75	0.11	82.75	0.08
41.00	0.32	55.00	0.18	69.00	0.11	83.00	0.08
41.25	0.32	55.25	0.18	69.25	0.11	83.25	0.08
41.50	0.31	55.50	0.18	69.50	0.11	83.50	0.08
41.75	0.31	55.75	0.17	69.75	0.11	83.75	0.08
42.00	0.31	56.00	0.17	70.00	0.11	84.00	0.08
42.25	0.30	56.25	0.17	70.25	0.11	84.25	0.08
42.50	0.30	56.50	0.17	70.50	0.11	84.50	0.08
42.75	0.30	56.75	0.17	70.75	0.11	84.75	0.08
43.00	0.29	57.00	0.17	71.00	0.11	85.00	0.07
43.25	0.29	57.25	0.17	71.25	0.11	85.25	0.07
43.50	0.29	57.50	0.16	71.50	0.11	85.50	0.07
43.75	0.28	57.75	0.16	71.75	0.11	85.75	0.07
44.00	0.28	58.00	0.16	72.00	0.10	86.00	0.07
44.25	0.28	58.25	0.16	72.25	0.10	86.25	0.07
44.50	0.27	58.50	0.16	72.50	0.10	86.50	0.07
44.75	0.27	58.75	0.16	72.75	0.10	86.75	0.07
45.00	0.27	59.00	0.16	73.00	0.10	87.00	0.07
45.25	0.26	59.25	0.15	73.25	0.10	87.25	0.07
45.50	0.26	59.50	0.15	73.50	0.10	87.50	0.07
45.75	0.26	59.75	0.15	73.75	0.10	87.75	0.07
46.00	0.26	60.00	0.15	74.00	0.10	88.00	0.07
46.25	0.25	60.25	0.15	74.25	0.10	88.25	0.07
46.50	0.25	60.50	0.15	74.50	0.10	88.50	0.07
46.75	0.25	60.75	0.15	74.75	0.10	88.75	0.07
47.00	0.25	61.00	0.15	75.00	0.10	89.00	0.07
47.25	0.24	61.25	0.14	75.25	0.10	89.25	0.07
47.50	0.24	61.50	0.14	75.50	0.10	89.50	0.07
47.75	0.24	61.75	0.14	75.75	0.09	89.75	0.07
48.00	0.24	62.00	0.14	76.00	0.09	90.00	0.07
48.25	0.23	62.25	0.14	76.25	0.09	90.25	0.07
48.50	0.23	62.50	0.14	76.50	0.09	90.50	0.07
48.75	0.23	62.75	0.14	76.75	0.09	90.75	0.07
49.00	0.23	63.00	0.14	77.00	0.09	91.00	0.07
49.25	0.22	63.25	0.14	77.25	0.09	91.25	0.07
49.50	0.22	63.50	0.13	77.50	0.09	91.50	0.06
49.75	0.22	63.75	0.13	77.75	0.09	91.75	0.06
50.00	0.22	64.00	0.13	78.00	0.09	92.00	0.06
50.25	0.21	64.25	0.13	78.25	0.09	92.25	0.06
50.50	0.21	64.50	0.13	78.50	0.09	92.50	0.06
50.75	0.21	64.75	0.13	78.75	0.09	92.75	0.06
51.00	0.21	65.00	0.13	79.00	0.09	93.00	0.06
51.25	0.21	65.25	0.13	79.25	0.09	93.25	0.06
51.50	0.20	65.50	0.13	79.50	0.09	93.50	0.06
51.75	0.20	65.75	0.13	79.75	0.09	93.75	0.06
52.00	0.20	66.00	0.12	80.00	0.08	94.00	0.06
52.25	0.20	66.25	0.12	80.25	0.08	94.25	0.06
52.50	0.20	66.50	0.12	80.50	0.08	94.50	0.06
52.75	0.19	66.75	0.12	80.75	0.08	94.75	0.06
53.00	0.19	67.00	0.12	81.00	0.08	95.00	0.06
53.25	0.19	67.25	0.12	81.25	0.08	95.25	0.06
53.50	0.19	67.50	0.12	81.50	0.08	95.50	0.06
53.75	0.19	67.75	0.12	81.75	0.08	95.75	0.06
54.00	0.19	68.00	0.12	82.00	0.08	96.00	0.06

Table 14 – 30%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 100% reflections)

Meters 1 Collector Meter - 7 SMART Meters

Time Avg: 40% % Reflection 100%

Distance where limits are exceeded			
FCC ft.	1.05	12.6	Inches
BioInitiative ft.	85.10	1021.2	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	5778.58	10.25	6.87	20.25	1.76	30.25	0.79
0.50	2311.43	10.50	6.55	20.50	1.72	30.50	0.78
0.75	1155.72	10.75	6.25	20.75	1.68	30.75	0.76
1.00	679.83	11.00	5.97	21.00	1.64	31.00	0.75
1.25	444.51	11.25	5.70	21.25	1.60	31.25	0.74
1.50	312.36	11.50	5.46	21.50	1.56	31.50	0.73
1.75	231.14	11.75	5.23	21.75	1.53	31.75	0.72
2.00	177.80	12.00	5.01	22.00	1.49	32.00	0.71
2.25	140.94	12.25	4.81	22.25	1.46	32.25	0.69
2.50	114.43	12.50	4.62	22.50	1.43	32.50	0.68
2.75	94.73	12.75	4.44	22.75	1.40	32.75	0.67
3.00	79.70	13.00	4.27	23.00	1.37	33.00	0.66
3.25	67.98	13.25	4.11	23.25	1.34	33.25	0.65
3.50	58.67	13.50	3.96	23.50	1.31	33.50	0.64
3.75	51.14	13.75	3.82	23.75	1.28	33.75	0.63
4.00	44.97	14.00	3.68	24.00	1.25	34.00	0.62
4.25	39.85	14.25	3.56	24.25	1.23	34.25	0.62
4.50	35.56	14.50	3.43	24.50	1.20	34.50	0.61
4.75	31.93	14.75	3.32	24.75	1.18	34.75	0.60
5.00	28.82	15.00	3.21	25.00	1.16	35.00	0.59
5.25	26.15	15.25	3.11	25.25	1.13	35.25	0.58
5.50	23.83	15.50	3.01	25.50	1.11	35.50	0.57
5.75	21.81	15.75	2.91	25.75	1.09	35.75	0.57
6.00	20.03	16.00	2.82	26.00	1.07	36.00	0.56
6.25	18.46	16.25	2.73	26.25	1.05	36.25	0.55
6.50	17.07	16.50	2.65	26.50	1.03	36.50	0.54
6.75	15.83	16.75	2.57	26.75	1.01	36.75	0.53
7.00	14.72	17.00	2.50	27.00	0.99	37.00	0.53
7.25	13.73	17.25	2.43	27.25	0.97	37.25	0.52
7.50	12.83	17.50	2.36	27.50	0.96	37.50	0.51
7.75	12.01	17.75	2.29	27.75	0.94	37.75	0.51
8.00	11.28	18.00	2.23	28.00	0.92	38.00	0.50
8.25	10.60	18.25	2.17	28.25	0.91	38.25	0.49
8.50	9.99	18.50	2.11	28.50	0.89	38.50	0.49
8.75	9.43	18.75	2.05	28.75	0.87	38.75	0.48
9.00	8.91	19.00	2.00	29.00	0.86	39.00	0.47
9.25	8.44	19.25	1.95	29.25	0.84	39.25	0.47
9.50	8.00	19.50	1.90	29.50	0.83	39.50	0.46
9.75	7.59	19.75	1.85	29.75	0.82	39.75	0.46
10.00	7.22	20.00	1.81	30.00	0.80	40.00	0.45

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 14 – 40%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 100% reflections)

Meters 1 Collector Meter - 7 SMART Meters
Time Avg: 40% % Reflection 100%

Distance where limits are exceeded

FCC ft. 1.05	12.55 Inches		
BioInitiative ft. 85.10	1021.20 Inches		

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.45	54.25	0.25	68.25	0.16	82.25	0.11
40.50	0.44	54.50	0.24	68.50	0.15	82.50	0.11
40.75	0.43	54.75	0.24	68.75	0.15	82.75	0.11
41.00	0.43	55.00	0.24	69.00	0.15	83.00	0.10
41.25	0.42	55.25	0.24	69.25	0.15	83.25	0.10
41.50	0.42	55.50	0.23	69.50	0.15	83.50	0.10
41.75	0.41	55.75	0.23	69.75	0.15	83.75	0.10
42.00	0.41	56.00	0.23	70.00	0.15	84.00	0.10
42.25	0.40	56.25	0.23	70.25	0.15	84.25	0.10
42.50	0.40	56.50	0.23	70.50	0.15	84.50	0.10
42.75	0.40	56.75	0.22	70.75	0.14	84.75	0.10
43.00	0.39	57.00	0.22	71.00	0.14	85.00	0.10
43.25	0.39	57.25	0.22	71.25	0.14	85.25	0.10
43.50	0.38	57.50	0.22	71.50	0.14	85.50	0.10
43.75	0.38	57.75	0.22	71.75	0.14	85.75	0.10
44.00	0.37	58.00	0.21	72.00	0.14	86.00	0.10
44.25	0.37	58.25	0.21	72.25	0.14	86.25	0.10
44.50	0.36	58.50	0.21	72.50	0.14	86.50	0.10
44.75	0.36	58.75	0.21	72.75	0.14	86.75	0.10
45.00	0.36	59.00	0.21	73.00	0.14	87.00	0.10
45.25	0.35	59.25	0.21	73.25	0.13	87.25	0.09
45.50	0.35	59.50	0.20	73.50	0.13	87.50	0.09
45.75	0.35	59.75	0.20	73.75	0.13	87.75	0.09
46.00	0.34	60.00	0.20	74.00	0.13	88.00	0.09
46.25	0.34	60.25	0.20	74.25	0.13	88.25	0.09
46.50	0.33	60.50	0.20	74.50	0.13	88.50	0.09
46.75	0.33	60.75	0.20	74.75	0.13	88.75	0.09
47.00	0.33	61.00	0.19	75.00	0.13	89.00	0.09
47.25	0.32	61.25	0.19	75.25	0.13	89.25	0.09
47.50	0.32	61.50	0.19	75.50	0.13	89.50	0.09
47.75	0.32	61.75	0.19	75.75	0.13	89.75	0.09
48.00	0.31	62.00	0.19	76.00	0.13	90.00	0.09
48.25	0.31	62.25	0.19	76.25	0.12	90.25	0.09
48.50	0.31	62.50	0.18	76.50	0.12	90.50	0.09
48.75	0.30	62.75	0.18	76.75	0.12	90.75	0.09
49.00	0.30	63.00	0.18	77.00	0.12	91.00	0.09
49.25	0.30	63.25	0.18	77.25	0.12	91.25	0.09
49.50	0.29	63.50	0.18	77.50	0.12	91.50	0.09
49.75	0.29	63.75	0.18	77.75	0.12	91.75	0.09
50.00	0.29	64.00	0.18	78.00	0.12	92.00	0.09
50.25	0.29	64.25	0.17	78.25	0.12	92.25	0.08
50.50	0.28	64.50	0.17	78.50	0.12	92.50	0.08
50.75	0.28	64.75	0.17	78.75	0.12	92.75	0.08
51.00	0.28	65.00	0.17	79.00	0.12	93.00	0.08
51.25	0.28	65.25	0.17	79.25	0.12	93.25	0.08
51.50	0.27	65.50	0.17	79.50	0.11	93.50	0.08
51.75	0.27	65.75	0.17	79.75	0.11	93.75	0.08
52.00	0.27	66.00	0.17	80.00	0.11	94.00	0.08
52.25	0.26	66.25	0.16	80.25	0.11	94.25	0.08
52.50	0.26	66.50	0.16	80.50	0.11	94.50	0.08
52.75	0.26	66.75	0.16	80.75	0.11	94.75	0.08
53.00	0.26	67.00	0.16	81.00	0.11	95.00	0.08
53.25	0.25	67.25	0.16	81.25	0.11	95.25	0.08
53.50	0.25	67.50	0.16	81.50	0.11	95.50	0.08
53.75	0.25	67.75	0.16	81.75	0.11	95.75	0.08
54.00	0.25	68.00	0.16	82.00	0.11	96.00	0.08

Table 14 – 40%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 100% reflections)

Meters 1 Collector Meter - 7 SMART Meters

Time Avg: 50% % Reflection 100%

Distance where limits are exceeded			
FCC ft.	1.18	14.1	Inches
BioInitiative ft.	95.10	1141.2	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	7223.22	10.25	8.59	20.25	2.20	30.25	0.99
0.50	2889.29	10.50	8.18	20.50	2.15	30.50	0.97
0.75	1444.64	10.75	7.81	20.75	2.10	30.75	0.95
1.00	849.79	11.00	7.46	21.00	2.05	31.00	0.94
1.25	555.63	11.25	7.13	21.25	2.00	31.25	0.92
1.50	390.44	11.50	6.82	21.50	1.95	31.50	0.91
1.75	288.93	11.75	6.54	21.75	1.91	31.75	0.90
2.00	222.25	12.00	6.27	22.00	1.87	32.00	0.88
2.25	176.18	12.25	6.01	22.25	1.82	32.25	0.87
2.50	143.03	12.50	5.78	22.50	1.78	32.50	0.85
2.75	118.41	12.75	5.55	22.75	1.74	32.75	0.84
3.00	99.63	13.00	5.34	23.00	1.71	33.00	0.83
3.25	84.98	13.25	5.14	23.25	1.67	33.25	0.82
3.50	73.33	13.50	4.95	23.50	1.63	33.50	0.80
3.75	63.92	13.75	4.77	23.75	1.60	33.75	0.79
4.00	56.21	14.00	4.61	24.00	1.57	34.00	0.78
4.25	49.82	14.25	4.45	24.25	1.54	34.25	0.77
4.50	44.45	14.50	4.29	24.50	1.50	34.50	0.76
4.75	39.91	14.75	4.15	24.75	1.47	34.75	0.75
5.00	36.03	15.00	4.01	25.00	1.44	35.00	0.74
5.25	32.68	15.25	3.88	25.25	1.42	35.25	0.73
5.50	29.79	15.50	3.76	25.50	1.39	35.50	0.72
5.75	27.26	15.75	3.64	25.75	1.36	35.75	0.71
6.00	25.04	16.00	3.53	26.00	1.34	36.00	0.70
6.25	23.08	16.25	3.42	26.25	1.31	36.25	0.69
6.50	21.34	16.50	3.32	26.50	1.29	36.50	0.68
6.75	19.79	16.75	3.22	26.75	1.26	36.75	0.67
7.00	18.40	17.00	3.12	27.00	1.24	37.00	0.66
7.25	17.16	17.25	3.03	27.25	1.22	37.25	0.65
7.50	16.03	17.50	2.95	27.50	1.19	37.50	0.64
7.75	15.02	17.75	2.87	27.75	1.17	37.75	0.63
8.00	14.09	18.00	2.79	28.00	1.15	38.00	0.63
8.25	13.25	18.25	2.71	28.25	1.13	38.25	0.62
8.50	12.49	18.50	2.64	28.50	1.11	38.50	0.61
8.75	11.78	18.75	2.57	28.75	1.09	38.75	0.60
9.00	11.14	19.00	2.50	29.00	1.07	39.00	0.59
9.25	10.54	19.25	2.44	29.25	1.06	39.25	0.59
9.50	10.00	19.50	2.37	29.50	1.04	39.50	0.58
9.75	9.49	19.75	2.31	29.75	1.02	39.75	0.57
10.00	9.02	20.00	2.26	30.00	1.00	40.00	0.56

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 14 – 50%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 100% reflections)

Meters 1 Collector Meter - 7 SMART Meters

Time Avg: 50% % Reflection 100%

Distance where limits are exceeded			
FCC ft. 1.18		14.11 Inches	
BioInitiative ft. 95.10		1141.20 Inches	

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.56	54.25	0.31	68.25	0.19	82.25	0.13
40.50	0.55	54.50	0.30	68.50	0.19	82.50	0.13
40.75	0.54	54.75	0.30	68.75	0.19	82.75	0.13
41.00	0.54	55.00	0.30	69.00	0.19	83.00	0.13
41.25	0.53	55.25	0.30	69.25	0.19	83.25	0.13
41.50	0.52	55.50	0.29	69.50	0.19	83.50	0.13
41.75	0.52	55.75	0.29	69.75	0.19	83.75	0.13
42.00	0.51	56.00	0.29	70.00	0.18	84.00	0.13
42.25	0.51	56.25	0.29	70.25	0.18	84.25	0.13
42.50	0.50	56.50	0.28	70.50	0.18	84.50	0.13
42.75	0.49	56.75	0.28	70.75	0.18	84.75	0.13
43.00	0.49	57.00	0.28	71.00	0.18	85.00	0.12
43.25	0.48	57.25	0.28	71.25	0.18	85.25	0.12
43.50	0.48	57.50	0.27	71.50	0.18	85.50	0.12
43.75	0.47	57.75	0.27	71.75	0.18	85.75	0.12
44.00	0.47	58.00	0.27	72.00	0.17	86.00	0.12
44.25	0.46	58.25	0.27	72.25	0.17	86.25	0.12
44.50	0.46	58.50	0.26	72.50	0.17	86.50	0.12
44.75	0.45	58.75	0.26	72.75	0.17	86.75	0.12
45.00	0.45	59.00	0.26	73.00	0.17	87.00	0.12
45.25	0.44	59.25	0.26	73.25	0.17	87.25	0.12
45.50	0.44	59.50	0.26	73.50	0.17	87.50	0.12
45.75	0.43	59.75	0.25	73.75	0.17	87.75	0.12
46.00	0.43	60.00	0.25	74.00	0.16	88.00	0.12
46.25	0.42	60.25	0.25	74.25	0.16	88.25	0.12
46.50	0.42	60.50	0.25	74.50	0.16	88.50	0.12
46.75	0.41	60.75	0.24	74.75	0.16	88.75	0.11
47.00	0.41	61.00	0.24	75.00	0.16	89.00	0.11
47.25	0.40	61.25	0.24	75.25	0.16	89.25	0.11
47.50	0.40	61.50	0.24	75.50	0.16	89.50	0.11
47.75	0.40	61.75	0.24	75.75	0.16	89.75	0.11
48.00	0.39	62.00	0.23	76.00	0.16	90.00	0.11
48.25	0.39	62.25	0.23	76.25	0.16	90.25	0.11
48.50	0.38	62.50	0.23	76.50	0.15	90.50	0.11
48.75	0.38	62.75	0.23	76.75	0.15	90.75	0.11
49.00	0.38	63.00	0.23	77.00	0.15	91.00	0.11
49.25	0.37	63.25	0.23	77.25	0.15	91.25	0.11
49.50	0.37	63.50	0.22	77.50	0.15	91.50	0.11
49.75	0.36	63.75	0.22	77.75	0.15	91.75	0.11
50.00	0.36	64.00	0.22	78.00	0.15	92.00	0.11
50.25	0.36	64.25	0.22	78.25	0.15	92.25	0.11
50.50	0.35	64.50	0.22	78.50	0.15	92.50	0.11
50.75	0.35	64.75	0.22	78.75	0.15	92.75	0.10
51.00	0.35	65.00	0.21	79.00	0.14	93.00	0.10
51.25	0.34	65.25	0.21	79.25	0.14	93.25	0.10
51.50	0.34	65.50	0.21	79.50	0.14	93.50	0.10
51.75	0.34	65.75	0.21	79.75	0.14	93.75	0.10
52.00	0.33	66.00	0.21	80.00	0.14	94.00	0.10
52.25	0.33	66.25	0.21	80.25	0.14	94.25	0.10
52.50	0.33	66.50	0.20	80.50	0.14	94.50	0.10
52.75	0.32	66.75	0.20	80.75	0.14	94.75	0.10
53.00	0.32	67.00	0.20	81.00	0.14	95.00	0.10
53.25	0.32	67.25	0.20	81.25	0.14	95.25	0.10
53.50	0.32	67.50	0.20	81.50	0.14	95.50	0.10
53.75	0.31	67.75	0.20	81.75	0.14	95.75	0.10
54.00	0.31	68.00	0.20	82.00	0.13	96.00	0.10

Table 14 – 50%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 100% reflections)

Meters 1 Collector Meter - 7 SMART Meters

Time Avg: 60% % Reflection 100%

Distance where limits are exceeded			
FCC ft.	1.29	15.5	Inches
BioInitiative ft.	104.00	1248.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	8667.86	10.25	10.31	20.25	2.64	30.25	1.18
0.50	3467.15	10.50	9.82	20.50	2.58	30.50	1.16
0.75	1733.57	10.75	9.37	20.75	2.52	30.75	1.15
1.00	1019.75	11.00	8.95	21.00	2.46	31.00	1.13
1.25	666.76	11.25	8.56	21.25	2.40	31.25	1.11
1.50	468.53	11.50	8.19	21.50	2.34	31.50	1.09
1.75	346.71	11.75	7.84	21.75	2.29	31.75	1.07
2.00	266.70	12.00	7.52	22.00	2.24	32.00	1.06
2.25	211.41	12.25	7.22	22.25	2.19	32.25	1.04
2.50	171.64	12.50	6.93	22.50	2.14	32.50	1.03
2.75	142.10	12.75	6.66	22.75	2.09	32.75	1.01
3.00	119.56	13.00	6.41	23.00	2.05	33.00	0.99
3.25	101.97	13.25	6.17	23.25	2.00	33.25	0.98
3.50	88.00	13.50	5.94	23.50	1.96	33.50	0.97
3.75	76.71	13.75	5.73	23.75	1.92	33.75	0.95
4.00	67.45	14.00	5.53	24.00	1.88	34.00	0.94
4.25	59.78	14.25	5.33	24.25	1.84	34.25	0.92
4.50	53.34	14.50	5.15	24.50	1.80	34.50	0.91
4.75	47.89	14.75	4.98	24.75	1.77	34.75	0.90
5.00	43.23	15.00	4.81	25.00	1.73	35.00	0.88
5.25	39.22	15.25	4.66	25.25	1.70	35.25	0.87
5.50	35.74	15.50	4.51	25.50	1.67	35.50	0.86
5.75	32.71	15.75	4.37	25.75	1.63	35.75	0.85
6.00	30.04	16.00	4.23	26.00	1.60	36.00	0.84
6.25	27.69	16.25	4.10	26.25	1.57	36.25	0.82
6.50	25.61	16.50	3.98	26.50	1.54	36.50	0.81
6.75	23.75	16.75	3.86	26.75	1.51	36.75	0.80
7.00	22.08	17.00	3.75	27.00	1.49	37.00	0.79
7.25	20.59	17.25	3.64	27.25	1.46	37.25	0.78
7.50	19.24	17.50	3.54	27.50	1.43	37.50	0.77
7.75	18.02	17.75	3.44	27.75	1.41	37.75	0.76
8.00	16.91	18.00	3.34	28.00	1.38	38.00	0.75
8.25	15.90	18.25	3.25	28.25	1.36	38.25	0.74
8.50	14.98	18.50	3.17	28.50	1.33	38.50	0.73
8.75	14.14	18.75	3.08	28.75	1.31	38.75	0.72
9.00	13.37	19.00	3.00	29.00	1.29	39.00	0.71
9.25	12.65	19.25	2.92	29.25	1.27	39.25	0.70
9.50	12.00	19.50	2.85	29.50	1.24	39.50	0.69
9.75	11.39	19.75	2.78	29.75	1.22	39.75	0.69
10.00	10.83	20.00	2.71	30.00	1.20	40.00	0.68

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 14 – 60%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 100% reflections)

Meters 1 Collector Meter - 7 SMART Meters

Time Avg: 60% % Reflection 100%

Distance where limits are exceeded			
FCC ft.	1.29	15.52	Inches
BioInitiative ft.	104.00	1248.00	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.67	54.25	0.37	68.25	0.23	82.25	0.16
40.50	0.66	54.50	0.36	68.50	0.23	82.50	0.16
40.75	0.65	54.75	0.36	68.75	0.23	82.75	0.16
41.00	0.64	55.00	0.36	69.00	0.23	83.00	0.16
41.25	0.64	55.25	0.35	69.25	0.23	83.25	0.16
41.50	0.63	55.50	0.35	69.50	0.22	83.50	0.16
41.75	0.62	55.75	0.35	69.75	0.22	83.75	0.15
42.00	0.61	56.00	0.35	70.00	0.22	84.00	0.15
42.25	0.61	56.25	0.34	70.25	0.22	84.25	0.15
42.50	0.60	56.50	0.34	70.50	0.22	84.50	0.15
42.75	0.59	56.75	0.34	70.75	0.22	84.75	0.15
43.00	0.59	57.00	0.33	71.00	0.21	85.00	0.15
43.25	0.58	57.25	0.33	71.25	0.21	85.25	0.15
43.50	0.57	57.50	0.33	71.50	0.21	85.50	0.15
43.75	0.57	57.75	0.32	71.75	0.21	85.75	0.15
44.00	0.56	58.00	0.32	72.00	0.21	86.00	0.15
44.25	0.55	58.25	0.32	72.25	0.21	86.25	0.15
44.50	0.55	58.50	0.32	72.50	0.21	86.50	0.14
44.75	0.54	58.75	0.31	72.75	0.20	86.75	0.14
45.00	0.54	59.00	0.31	73.00	0.20	87.00	0.14
45.25	0.53	59.25	0.31	73.25	0.20	87.25	0.14
45.50	0.52	59.50	0.31	73.50	0.20	87.50	0.14
45.75	0.52	59.75	0.30	73.75	0.20	87.75	0.14
46.00	0.51	60.00	0.30	74.00	0.20	88.00	0.14
46.25	0.51	60.25	0.30	74.25	0.20	88.25	0.14
46.50	0.50	60.50	0.30	74.50	0.20	88.50	0.14
46.75	0.50	60.75	0.29	74.75	0.19	88.75	0.14
47.00	0.49	61.00	0.29	75.00	0.19	89.00	0.14
47.25	0.49	61.25	0.29	75.25	0.19	89.25	0.14
47.50	0.48	61.50	0.29	75.50	0.19	89.50	0.14
47.75	0.48	61.75	0.28	75.75	0.19	89.75	0.13
48.00	0.47	62.00	0.28	76.00	0.19	90.00	0.13
48.25	0.47	62.25	0.28	76.25	0.19	90.25	0.13
48.50	0.46	62.50	0.28	76.50	0.19	90.50	0.13
48.75	0.46	62.75	0.28	76.75	0.18	90.75	0.13
49.00	0.45	63.00	0.27	77.00	0.18	91.00	0.13
49.25	0.45	63.25	0.27	77.25	0.18	91.25	0.13
49.50	0.44	63.50	0.27	77.50	0.18	91.50	0.13
49.75	0.44	63.75	0.27	77.75	0.18	91.75	0.13
50.00	0.43	64.00	0.26	78.00	0.18	92.00	0.13
50.25	0.43	64.25	0.26	78.25	0.18	92.25	0.13
50.50	0.42	64.50	0.26	78.50	0.18	92.50	0.13
50.75	0.42	64.75	0.26	78.75	0.17	92.75	0.13
51.00	0.42	65.00	0.26	79.00	0.17	93.00	0.13
51.25	0.41	65.25	0.25	79.25	0.17	93.25	0.12
51.50	0.41	65.50	0.25	79.50	0.17	93.50	0.12
51.75	0.40	65.75	0.25	79.75	0.17	93.75	0.12
52.00	0.40	66.00	0.25	80.00	0.17	94.00	0.12
52.25	0.40	66.25	0.25	80.25	0.17	94.25	0.12
52.50	0.39	66.50	0.25	80.50	0.17	94.50	0.12
52.75	0.39	66.75	0.24	80.75	0.17	94.75	0.12
53.00	0.39	67.00	0.24	81.00	0.17	95.00	0.12
53.25	0.38	67.25	0.24	81.25	0.16	95.25	0.12
53.50	0.38	67.50	0.24	81.50	0.16	95.50	0.12
53.75	0.38	67.75	0.24	81.75	0.16	95.75	0.12
54.00	0.37	68.00	0.23	82.00	0.16	96.00	0.12

Table 14 – 60%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 100% reflections)

Meters 1 Collector Meter - 7 SMART Meters

Time Avg: 70% % Reflection 100%

Distance where limits are exceeded			
FCC ft.	1.40	16.8	Inches
BioInitiative ft.	112.60	1351.2	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	10112.51	10.25	12.02	20.25	3.08	30.25	1.38
0.50	4045.00	10.50	11.46	20.50	3.01	30.50	1.36
0.75	2022.50	10.75	10.93	20.75	2.94	30.75	1.34
1.00	1189.71	11.00	10.44	21.00	2.87	31.00	1.32
1.25	777.89	11.25	9.98	21.25	2.80	31.25	1.29
1.50	546.62	11.50	9.55	21.50	2.73	31.50	1.27
1.75	404.50	11.75	9.15	21.75	2.67	31.75	1.25
2.00	311.15	12.00	8.77	22.00	2.61	32.00	1.23
2.25	246.65	12.25	8.42	22.25	2.55	32.25	1.22
2.50	200.25	12.50	8.09	22.50	2.50	32.50	1.20
2.75	165.78	12.75	7.77	22.75	2.44	32.75	1.18
3.00	139.48	13.00	7.48	23.00	2.39	33.00	1.16
3.25	118.97	13.25	7.20	23.25	2.34	33.25	1.14
3.50	102.67	13.50	6.93	23.50	2.29	33.50	1.13
3.75	89.49	13.75	6.68	23.75	2.24	33.75	1.11
4.00	78.70	14.00	6.45	24.00	2.19	34.00	1.09
4.25	69.74	14.25	6.22	24.25	2.15	34.25	1.08
4.50	62.23	14.50	6.01	24.50	2.11	34.50	1.06
4.75	55.87	14.75	5.81	24.75	2.06	34.75	1.05
5.00	50.44	15.00	5.62	25.00	2.02	35.00	1.03
5.25	45.76	15.25	5.43	25.25	1.98	35.25	1.02
5.50	41.70	15.50	5.26	25.50	1.94	35.50	1.00
5.75	38.16	15.75	5.09	25.75	1.91	35.75	0.99
6.00	35.05	16.00	4.94	26.00	1.87	36.00	0.98
6.25	32.31	16.25	4.79	26.25	1.83	36.25	0.96
6.50	29.87	16.50	4.64	26.50	1.80	36.50	0.95
6.75	27.71	16.75	4.50	26.75	1.77	36.75	0.94
7.00	25.76	17.00	4.37	27.00	1.73	37.00	0.92
7.25	24.02	17.25	4.25	27.25	1.70	37.25	0.91
7.50	22.45	17.50	4.13	27.50	1.67	37.50	0.90
7.75	21.02	17.75	4.01	27.75	1.64	37.75	0.89
8.00	19.73	18.00	3.90	28.00	1.61	38.00	0.88
8.25	18.56	18.25	3.79	28.25	1.58	38.25	0.86
8.50	17.48	18.50	3.69	28.50	1.56	38.50	0.85
8.75	16.50	18.75	3.59	28.75	1.53	38.75	0.84
9.00	15.59	19.00	3.50	29.00	1.50	39.00	0.83
9.25	14.76	19.25	3.41	29.25	1.48	39.25	0.82
9.50	14.00	19.50	3.32	29.50	1.45	39.50	0.81
9.75	13.29	19.75	3.24	29.75	1.43	39.75	0.80
10.00	12.63	20.00	3.16	30.00	1.40	40.00	0.79

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 14 – 70%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 100% reflections)

Meters 1 Collector Meter - 7 SMART Meters
Time Avg: 70% % Reflection 100%

Distance where limits are exceeded

FCC ft.	1.40	16.81	Inches
BioInitiative ft.	112.60	1351.20	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.78	54.25	0.43	68.25	0.27	82.25	0.19
40.50	0.77	54.50	0.43	68.50	0.27	82.50	0.19
40.75	0.76	54.75	0.42	68.75	0.27	82.75	0.18
41.00	0.75	55.00	0.42	69.00	0.27	83.00	0.18
41.25	0.74	55.25	0.41	69.25	0.26	83.25	0.18
41.50	0.73	55.50	0.41	69.50	0.26	83.50	0.18
41.75	0.73	55.75	0.41	69.75	0.26	83.75	0.18
42.00	0.72	56.00	0.40	70.00	0.26	84.00	0.18
42.25	0.71	56.25	0.40	70.25	0.26	84.25	0.18
42.50	0.70	56.50	0.40	70.50	0.25	84.50	0.18
42.75	0.69	56.75	0.39	70.75	0.25	84.75	0.18
43.00	0.68	57.00	0.39	71.00	0.25	85.00	0.17
43.25	0.68	57.25	0.39	71.25	0.25	85.25	0.17
43.50	0.67	57.50	0.38	71.50	0.25	85.50	0.17
43.75	0.66	57.75	0.38	71.75	0.25	85.75	0.17
44.00	0.65	58.00	0.38	72.00	0.24	86.00	0.17
44.25	0.65	58.25	0.37	72.25	0.24	86.25	0.17
44.50	0.64	58.50	0.37	72.50	0.24	86.50	0.17
44.75	0.63	58.75	0.37	72.75	0.24	86.75	0.17
45.00	0.62	59.00	0.36	73.00	0.24	87.00	0.17
45.25	0.62	59.25	0.36	73.25	0.24	87.25	0.17
45.50	0.61	59.50	0.36	73.50	0.23	87.50	0.17
45.75	0.60	59.75	0.35	73.75	0.23	87.75	0.16
46.00	0.60	60.00	0.35	74.00	0.23	88.00	0.16
46.25	0.59	60.25	0.35	74.25	0.23	88.25	0.16
46.50	0.58	60.50	0.35	74.50	0.23	88.50	0.16
46.75	0.58	60.75	0.34	74.75	0.23	88.75	0.16
47.00	0.57	61.00	0.34	75.00	0.22	89.00	0.16
47.25	0.57	61.25	0.34	75.25	0.22	89.25	0.16
47.50	0.56	61.50	0.33	75.50	0.22	89.50	0.16
47.75	0.55	61.75	0.33	75.75	0.22	89.75	0.16
48.00	0.55	62.00	0.33	76.00	0.22	90.00	0.16
48.25	0.54	62.25	0.33	76.25	0.22	90.25	0.16
48.50	0.54	62.50	0.32	76.50	0.22	90.50	0.15
48.75	0.53	62.75	0.32	76.75	0.21	90.75	0.15
49.00	0.53	63.00	0.32	77.00	0.21	91.00	0.15
49.25	0.52	63.25	0.32	77.25	0.21	91.25	0.15
49.50	0.52	63.50	0.31	77.50	0.21	91.50	0.15
49.75	0.51	63.75	0.31	77.75	0.21	91.75	0.15
50.00	0.51	64.00	0.31	78.00	0.21	92.00	0.15
50.25	0.50	64.25	0.31	78.25	0.21	92.25	0.15
50.50	0.50	64.50	0.30	78.50	0.21	92.50	0.15
50.75	0.49	64.75	0.30	78.75	0.20	92.75	0.15
51.00	0.49	65.00	0.30	79.00	0.20	93.00	0.15
51.25	0.48	65.25	0.30	79.25	0.20	93.25	0.15
51.50	0.48	65.50	0.29	79.50	0.20	93.50	0.14
51.75	0.47	65.75	0.29	79.75	0.20	93.75	0.14
52.00	0.47	66.00	0.29	80.00	0.20	94.00	0.14
52.25	0.46	66.25	0.29	80.25	0.20	94.25	0.14
52.50	0.46	66.50	0.29	80.50	0.20	94.50	0.14
52.75	0.45	66.75	0.28	80.75	0.19	94.75	0.14
53.00	0.45	67.00	0.28	81.00	0.19	95.00	0.14
53.25	0.45	67.25	0.28	81.25	0.19	95.25	0.14
53.50	0.44	67.50	0.28	81.50	0.19	95.50	0.14
53.75	0.44	67.75	0.28	81.75	0.19	95.75	0.14
54.00	0.43	68.00	0.27	82.00	0.19	96.00	0.14

Table 14 – 70%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 100% reflections)

Meters 1 Collector Meter - 7 SMART Meters

Time Avg: 80% % Reflection 100%

Distance where limits are exceeded			
FCC ft.	1.50	18.0	Inches
BioInitiative ft.	120.00	1440.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	11557.15	10.25	13.74	20.25	3.52	30.25	1.58
0.50	4622.86	10.50	13.10	20.50	3.44	30.50	1.55
0.75	2311.43	10.75	12.49	20.75	3.35	30.75	1.53
1.00	1359.66	11.00	11.93	21.00	3.28	31.00	1.50
1.25	889.01	11.25	11.41	21.25	3.20	31.25	1.48
1.50	624.71	11.50	10.92	21.50	3.12	31.50	1.46
1.75	462.29	11.75	10.46	21.75	3.05	31.75	1.43
2.00	355.60	12.00	10.03	22.00	2.98	32.00	1.41
2.25	281.88	12.25	9.62	22.25	2.92	32.25	1.39
2.50	228.85	12.50	9.24	22.50	2.85	32.50	1.37
2.75	189.46	12.75	8.88	22.75	2.79	32.75	1.35
3.00	159.41	13.00	8.55	23.00	2.73	33.00	1.33
3.25	135.97	13.25	8.23	23.25	2.67	33.25	1.31
3.50	117.33	13.50	7.92	23.50	2.62	33.50	1.29
3.75	102.28	13.75	7.64	23.75	2.56	33.75	1.27
4.00	89.94	14.00	7.37	24.00	2.51	34.00	1.25
4.25	79.70	14.25	7.11	24.25	2.46	34.25	1.23
4.50	71.12	14.50	6.87	24.50	2.41	34.50	1.21
4.75	63.85	14.75	6.64	24.75	2.36	34.75	1.20
5.00	57.64	15.00	6.42	25.00	2.31	35.00	1.18
5.25	52.29	15.25	6.21	25.25	2.27	35.25	1.16
5.50	47.66	15.50	6.01	25.50	2.22	35.50	1.15
5.75	43.61	15.75	5.82	25.75	2.18	35.75	1.13
6.00	40.06	16.00	5.64	26.00	2.14	36.00	1.11
6.25	36.92	16.25	5.47	26.25	2.10	36.25	1.10
6.50	34.14	16.50	5.31	26.50	2.06	36.50	1.08
6.75	31.66	16.75	5.15	26.75	2.02	36.75	1.07
7.00	29.44	17.00	5.00	27.00	1.98	37.00	1.06
7.25	27.45	17.25	4.85	27.25	1.95	37.25	1.04
7.50	25.65	17.50	4.72	27.50	1.91	37.50	1.03
7.75	24.03	17.75	4.58	27.75	1.88	37.75	1.01
8.00	22.55	18.00	4.46	28.00	1.84	38.00	1.00
8.25	21.21	18.25	4.34	28.25	1.81	38.25	0.99
8.50	19.98	18.50	4.22	28.50	1.78	38.50	0.97
8.75	18.85	18.75	4.11	28.75	1.75	38.75	0.96
9.00	17.82	19.00	4.00	29.00	1.72	39.00	0.95
9.25	16.87	19.25	3.90	29.25	1.69	39.25	0.94
9.50	16.00	19.50	3.80	29.50	1.66	39.50	0.93
9.75	15.19	19.75	3.70	29.75	1.63	39.75	0.91
10.00	14.44	20.00	3.61	30.00	1.61	40.00	0.90

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 14 – 80%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 100% reflections)

Meters 1 Collector Meter - 7 SMART Meters
Time Avg: 80% % Reflection 100%

Distance where limits are exceeded			
FCC ft.	1.50	18.00	Inches
BioInitiative ft.	120.00	1440.00	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.89	54.25	0.49	68.25	0.31	82.25	0.21
40.50	0.88	54.50	0.49	68.50	0.31	82.50	0.21
40.75	0.87	54.75	0.48	68.75	0.31	82.75	0.21
41.00	0.86	55.00	0.48	69.00	0.30	83.00	0.21
41.25	0.85	55.25	0.47	69.25	0.30	83.25	0.21
41.50	0.84	55.50	0.47	69.50	0.30	83.50	0.21
41.75	0.83	55.75	0.46	69.75	0.30	83.75	0.21
42.00	0.82	56.00	0.46	70.00	0.29	84.00	0.20
42.25	0.81	56.25	0.46	70.25	0.29	84.25	0.20
42.50	0.80	56.50	0.45	70.50	0.29	84.50	0.20
42.75	0.79	56.75	0.45	70.75	0.29	84.75	0.20
43.00	0.78	57.00	0.44	71.00	0.29	85.00	0.20
43.25	0.77	57.25	0.44	71.25	0.28	85.25	0.20
43.50	0.76	57.50	0.44	71.50	0.28	85.50	0.20
43.75	0.75	57.75	0.43	71.75	0.28	85.75	0.20
44.00	0.75	58.00	0.43	72.00	0.28	86.00	0.20
44.25	0.74	58.25	0.43	72.25	0.28	86.25	0.19
44.50	0.73	58.50	0.42	72.50	0.27	86.50	0.19
44.75	0.72	58.75	0.42	72.75	0.27	86.75	0.19
45.00	0.71	59.00	0.42	73.00	0.27	87.00	0.19
45.25	0.71	59.25	0.41	73.25	0.27	87.25	0.19
45.50	0.70	59.50	0.41	73.50	0.27	87.50	0.19
45.75	0.69	59.75	0.40	73.75	0.27	87.75	0.19
46.00	0.68	60.00	0.40	74.00	0.26	88.00	0.19
46.25	0.68	60.25	0.40	74.25	0.26	88.25	0.19
46.50	0.67	60.50	0.39	74.50	0.26	88.50	0.18
46.75	0.66	60.75	0.39	74.75	0.26	88.75	0.18
47.00	0.65	61.00	0.39	75.00	0.26	89.00	0.18
47.25	0.65	61.25	0.39	75.25	0.26	89.25	0.18
47.50	0.64	61.50	0.38	75.50	0.25	89.50	0.18
47.75	0.63	61.75	0.38	75.75	0.25	89.75	0.18
48.00	0.63	62.00	0.38	76.00	0.25	90.00	0.18
48.25	0.62	62.25	0.37	76.25	0.25	90.25	0.18
48.50	0.61	62.50	0.37	76.50	0.25	90.50	0.18
48.75	0.61	62.75	0.37	76.75	0.25	90.75	0.18
49.00	0.60	63.00	0.36	77.00	0.24	91.00	0.17
49.25	0.60	63.25	0.36	77.25	0.24	91.25	0.17
49.50	0.59	63.50	0.36	77.50	0.24	91.50	0.17
49.75	0.58	63.75	0.36	77.75	0.24	91.75	0.17
50.00	0.58	64.00	0.35	78.00	0.24	92.00	0.17
50.25	0.57	64.25	0.35	78.25	0.24	92.25	0.17
50.50	0.57	64.50	0.35	78.50	0.23	92.50	0.17
50.75	0.56	64.75	0.34	78.75	0.23	92.75	0.17
51.00	0.56	65.00	0.34	79.00	0.23	93.00	0.17
51.25	0.55	65.25	0.34	79.25	0.23	93.25	0.17
51.50	0.54	65.50	0.34	79.50	0.23	93.50	0.17
51.75	0.54	65.75	0.33	79.75	0.23	93.75	0.16
52.00	0.53	66.00	0.33	80.00	0.23	94.00	0.16
52.25	0.53	66.25	0.33	80.25	0.22	94.25	0.16
52.50	0.52	66.50	0.33	80.50	0.22	94.50	0.16
52.75	0.52	66.75	0.32	80.75	0.22	94.75	0.16
53.00	0.51	67.00	0.32	81.00	0.22	95.00	0.16
53.25	0.51	67.25	0.32	81.25	0.22	95.25	0.16
53.50	0.50	67.50	0.32	81.50	0.22	95.50	0.16
53.75	0.50	67.75	0.31	81.75	0.22	95.75	0.16
54.00	0.50	68.00	0.31	82.00	0.21	96.00	0.16

Table 14 – 80%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 100% reflections)

Meters 1 Collector Meter - 7 SMART Meters

Time Avg: 90% % Reflection 100%

Distance where limits are exceeded			
FCC ft.	1.59	19.1	Inches
BioInitiative ft.	127.80	1533.6	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	13001.79	10.25	15.46	20.25	3.96	30.25	1.78
0.50	5200.72	10.50	14.73	20.50	3.87	30.50	1.75
0.75	2600.36	10.75	14.06	20.75	3.77	30.75	1.72
1.00	1529.62	11.00	13.42	21.00	3.68	31.00	1.69
1.25	1000.14	11.25	12.83	21.25	3.60	31.25	1.66
1.50	702.80	11.50	12.28	21.50	3.52	31.50	1.64
1.75	520.07	11.75	11.77	21.75	3.44	31.75	1.61
2.00	400.06	12.00	11.28	22.00	3.36	32.00	1.59
2.25	317.12	12.25	10.83	22.25	3.28	32.25	1.56
2.50	257.46	12.50	10.40	22.50	3.21	32.50	1.54
2.75	213.14	12.75	9.99	22.75	3.14	32.75	1.52
3.00	179.34	13.00	9.61	23.00	3.07	33.00	1.49
3.25	152.96	13.25	9.25	23.25	3.01	33.25	1.47
3.50	132.00	13.50	8.91	23.50	2.94	33.50	1.45
3.75	115.06	13.75	8.59	23.75	2.88	33.75	1.43
4.00	101.18	14.00	8.29	24.00	2.82	34.00	1.41
4.25	89.67	14.25	8.00	24.25	2.76	34.25	1.39
4.50	80.01	14.50	7.73	24.50	2.71	34.50	1.37
4.75	71.83	14.75	7.47	24.75	2.65	34.75	1.35
5.00	64.85	15.00	7.22	25.00	2.60	35.00	1.33
5.25	58.83	15.25	6.99	25.25	2.55	35.25	1.31
5.50	53.62	15.50	6.76	25.50	2.50	35.50	1.29
5.75	49.06	15.75	6.55	25.75	2.45	35.75	1.27
6.00	45.07	16.00	6.35	26.00	2.40	36.00	1.25
6.25	41.54	16.25	6.15	26.25	2.36	36.25	1.24
6.50	38.41	16.50	5.97	26.50	2.31	36.50	1.22
6.75	35.62	16.75	5.79	26.75	2.27	36.75	1.20
7.00	33.13	17.00	5.62	27.00	2.23	37.00	1.19
7.25	30.88	17.25	5.46	27.25	2.19	37.25	1.17
7.50	28.86	17.50	5.31	27.50	2.15	37.50	1.16
7.75	27.03	17.75	5.16	27.75	2.11	37.75	1.14
8.00	25.37	18.00	5.02	28.00	2.07	38.00	1.13
8.25	23.86	18.25	4.88	28.25	2.04	38.25	1.11
8.50	22.48	18.50	4.75	28.50	2.00	38.50	1.10
8.75	21.21	18.75	4.62	28.75	1.97	38.75	1.08
9.00	20.05	19.00	4.50	29.00	1.93	39.00	1.07
9.25	18.98	19.25	4.39	29.25	1.90	39.25	1.05
9.50	18.00	19.50	4.27	29.50	1.87	39.50	1.04
9.75	17.09	19.75	4.17	29.75	1.84	39.75	1.03
10.00	16.24	20.00	4.06	30.00	1.81	40.00	1.02

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 14 – 90%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 100% reflections)

Meters 1 Collector Meter - 7 SMART Meters

Time Avg: 90% % Reflection 100%

Distance where limits are exceeded

FCC ft. 1.59 19.12 Inches

BioInitiative ft. 127.80 1533.60 Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	1.00	54.25	0.55	68.25	0.35	82.25	0.24
40.50	0.99	54.50	0.55	68.50	0.35	82.50	0.24
40.75	0.98	54.75	0.54	68.75	0.34	82.75	0.24
41.00	0.97	55.00	0.54	69.00	0.34	83.00	0.24
41.25	0.96	55.25	0.53	69.25	0.34	83.25	0.23
41.50	0.94	55.50	0.53	69.50	0.34	83.50	0.23
41.75	0.93	55.75	0.52	69.75	0.33	83.75	0.23
42.00	0.92	56.00	0.52	70.00	0.33	84.00	0.23
42.25	0.91	56.25	0.51	70.25	0.33	84.25	0.23
42.50	0.90	56.50	0.51	70.50	0.33	84.50	0.23
42.75	0.89	56.75	0.50	70.75	0.32	84.75	0.23
43.00	0.88	57.00	0.50	71.00	0.32	85.00	0.22
43.25	0.87	57.25	0.50	71.25	0.32	85.25	0.22
43.50	0.86	57.50	0.49	71.50	0.32	85.50	0.22
43.75	0.85	57.75	0.49	71.75	0.32	85.75	0.22
44.00	0.84	58.00	0.48	72.00	0.31	86.00	0.22
44.25	0.83	58.25	0.48	72.25	0.31	86.25	0.22
44.50	0.82	58.50	0.47	72.50	0.31	86.50	0.22
44.75	0.81	58.75	0.47	72.75	0.31	86.75	0.22
45.00	0.80	59.00	0.47	73.00	0.30	87.00	0.21
45.25	0.79	59.25	0.46	73.25	0.30	87.25	0.21
45.50	0.79	59.50	0.46	73.50	0.30	87.50	0.21
45.75	0.78	59.75	0.46	73.75	0.30	87.75	0.21
46.00	0.77	60.00	0.45	74.00	0.30	88.00	0.21
46.25	0.76	60.25	0.45	74.25	0.29	88.25	0.21
46.50	0.75	60.50	0.44	74.50	0.29	88.50	0.21
46.75	0.74	60.75	0.44	74.75	0.29	88.75	0.21
47.00	0.74	61.00	0.44	75.00	0.29	89.00	0.21
47.25	0.73	61.25	0.43	75.25	0.29	89.25	0.20
47.50	0.72	61.50	0.43	75.50	0.29	89.50	0.20
47.75	0.71	61.75	0.43	75.75	0.28	89.75	0.20
48.00	0.71	62.00	0.42	76.00	0.28	90.00	0.20
48.25	0.70	62.25	0.42	76.25	0.28	90.25	0.20
48.50	0.69	62.50	0.42	76.50	0.28	90.50	0.20
48.75	0.68	62.75	0.41	76.75	0.28	90.75	0.20
49.00	0.68	63.00	0.41	77.00	0.27	91.00	0.20
49.25	0.67	63.25	0.41	77.25	0.27	91.25	0.20
49.50	0.66	63.50	0.40	77.50	0.27	91.50	0.19
49.75	0.66	63.75	0.40	77.75	0.27	91.75	0.19
50.00	0.65	64.00	0.40	78.00	0.27	92.00	0.19
50.25	0.64	64.25	0.39	78.25	0.27	92.25	0.19
50.50	0.64	64.50	0.39	78.50	0.26	92.50	0.19
50.75	0.63	64.75	0.39	78.75	0.26	92.75	0.19
51.00	0.62	65.00	0.38	79.00	0.26	93.00	0.19
51.25	0.62	65.25	0.38	79.25	0.26	93.25	0.19
51.50	0.61	65.50	0.38	79.50	0.26	93.50	0.19
51.75	0.61	65.75	0.38	79.75	0.26	93.75	0.18
52.00	0.60	66.00	0.37	80.00	0.25	94.00	0.18
52.25	0.60	66.25	0.37	80.25	0.25	94.25	0.18
52.50	0.59	66.50	0.37	80.50	0.25	94.50	0.18
52.75	0.58	66.75	0.36	80.75	0.25	94.75	0.18
53.00	0.58	67.00	0.36	81.00	0.25	95.00	0.18
53.25	0.57	67.25	0.36	81.25	0.25	95.25	0.18
53.50	0.57	67.50	0.36	81.50	0.24	95.50	0.18
53.75	0.56	67.75	0.35	81.75	0.24	95.75	0.18
54.00	0.56	68.00	0.35	82.00	0.24	96.00	0.18

Table 14 – 90%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 100% reflections)

Meters 1 Collector Meter - 7 SMART Meters
Time Avg: 100% % Reflection 100%

Distance where limits are exceeded			
FCC ft.	1.68	20.2	Inches
BioInitiative ft.	134.50	1614.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	14446.44	10.25	17.18	20.25	4.40	30.25	1.97
0.50	5778.58	10.50	16.37	20.50	4.30	30.50	1.94
0.75	2889.29	10.75	15.62	20.75	4.19	30.75	1.91
1.00	1699.58	11.00	14.92	21.00	4.09	31.00	1.88
1.25	1111.26	11.25	14.26	21.25	4.00	31.25	1.85
1.50	780.89	11.50	13.65	21.50	3.91	31.50	1.82
1.75	577.86	11.75	13.07	21.75	3.82	31.75	1.79
2.00	444.51	12.00	12.53	22.00	3.73	32.00	1.76
2.25	352.35	12.25	12.03	22.25	3.65	32.25	1.74
2.50	286.07	12.50	11.55	22.50	3.57	32.50	1.71
2.75	236.83	12.75	11.10	22.75	3.49	32.75	1.68
3.00	199.26	13.00	10.68	23.00	3.41	33.00	1.66
3.25	169.96	13.25	10.28	23.25	3.34	33.25	1.63
3.50	146.66	13.50	9.90	23.50	3.27	33.50	1.61
3.75	127.84	13.75	9.55	23.75	3.20	33.75	1.59
4.00	112.42	14.00	9.21	24.00	3.13	34.00	1.56
4.25	99.63	14.25	8.89	24.25	3.07	34.25	1.54
4.50	88.90	14.50	8.59	24.50	3.01	34.50	1.52
4.75	79.81	14.75	8.30	24.75	2.95	34.75	1.50
5.00	72.05	15.00	8.02	25.00	2.89	35.00	1.47
5.25	65.37	15.25	7.76	25.25	2.83	35.25	1.45
5.50	59.57	15.50	7.51	25.50	2.78	35.50	1.43
5.75	54.51	15.75	7.28	25.75	2.72	35.75	1.41
6.00	50.07	16.00	7.05	26.00	2.67	36.00	1.39
6.25	46.15	16.25	6.84	26.25	2.62	36.25	1.37
6.50	42.68	16.50	6.63	26.50	2.57	36.50	1.36
6.75	39.58	16.75	6.43	26.75	2.52	36.75	1.34
7.00	36.81	17.00	6.25	27.00	2.48	37.00	1.32
7.25	34.31	17.25	6.07	27.25	2.43	37.25	1.30
7.50	32.07	17.50	5.90	27.50	2.39	37.50	1.28
7.75	30.03	17.75	5.73	27.75	2.34	37.75	1.27
8.00	28.19	18.00	5.57	28.00	2.30	38.00	1.25
8.25	26.51	18.25	5.42	28.25	2.26	38.25	1.23
8.50	24.97	18.50	5.28	28.50	2.22	38.50	1.22
8.75	23.57	18.75	5.14	28.75	2.18	38.75	1.20
9.00	22.28	19.00	5.00	29.00	2.15	39.00	1.19
9.25	21.09	19.25	4.87	29.25	2.11	39.25	1.17
9.50	20.00	19.50	4.75	29.50	2.07	39.50	1.16
9.75	18.98	19.75	4.63	29.75	2.04	39.75	1.14
10.00	18.05	20.00	4.51	30.00	2.01	40.00	1.13

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 14 – 100%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 100% reflections)

Meters 1 Collector Meter - 7 SMART Meters
Time Avg: 100% % Reflection 100%

Distance where limits are exceeded			
FCC ft.	1.68	20.18	Inches
BioInitiative ft.	134.50	1614.00	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	1.11	54.25	0.61	68.25	0.39	82.25	0.27
40.50	1.10	54.50	0.61	68.50	0.38	82.50	0.27
40.75	1.09	54.75	0.60	68.75	0.38	82.75	0.26
41.00	1.07	55.00	0.60	69.00	0.38	83.00	0.26
41.25	1.06	55.25	0.59	69.25	0.38	83.25	0.26
41.50	1.05	55.50	0.59	69.50	0.37	83.50	0.26
41.75	1.04	55.75	0.58	69.75	0.37	83.75	0.26
42.00	1.02	56.00	0.58	70.00	0.37	84.00	0.26
42.25	1.01	56.25	0.57	70.25	0.37	84.25	0.25
42.50	1.00	56.50	0.57	70.50	0.36	84.50	0.25
42.75	0.99	56.75	0.56	70.75	0.36	84.75	0.25
43.00	0.98	57.00	0.56	71.00	0.36	85.00	0.25
43.25	0.97	57.25	0.55	71.25	0.36	85.25	0.25
43.50	0.95	57.50	0.55	71.50	0.35	85.50	0.25
43.75	0.94	57.75	0.54	71.75	0.35	85.75	0.25
44.00	0.93	58.00	0.54	72.00	0.35	86.00	0.24
44.25	0.92	58.25	0.53	72.25	0.35	86.25	0.24
44.50	0.91	58.50	0.53	72.50	0.34	86.50	0.24
44.75	0.90	58.75	0.52	72.75	0.34	86.75	0.24
45.00	0.89	59.00	0.52	73.00	0.34	87.00	0.24
45.25	0.88	59.25	0.51	73.25	0.34	87.25	0.24
45.50	0.87	59.50	0.51	73.50	0.33	87.50	0.24
45.75	0.86	59.75	0.51	73.75	0.33	87.75	0.23
46.00	0.85	60.00	0.50	74.00	0.33	88.00	0.23
46.25	0.84	60.25	0.50	74.25	0.33	88.25	0.23
46.50	0.84	60.50	0.49	74.50	0.33	88.50	0.23
46.75	0.83	60.75	0.49	74.75	0.32	88.75	0.23
47.00	0.82	61.00	0.49	75.00	0.32	89.00	0.23
47.25	0.81	61.25	0.48	75.25	0.32	89.25	0.23
47.50	0.80	61.50	0.48	75.50	0.32	89.50	0.23
47.75	0.79	61.75	0.47	75.75	0.31	89.75	0.22
48.00	0.78	62.00	0.47	76.00	0.31	90.00	0.22
48.25	0.78	62.25	0.47	76.25	0.31	90.25	0.22
48.50	0.77	62.50	0.46	76.50	0.31	90.50	0.22
48.75	0.76	62.75	0.46	76.75	0.31	90.75	0.22
49.00	0.75	63.00	0.45	77.00	0.30	91.00	0.22
49.25	0.74	63.25	0.45	77.25	0.30	91.25	0.22
49.50	0.74	63.50	0.45	77.50	0.30	91.50	0.22
49.75	0.73	63.75	0.44	77.75	0.30	91.75	0.21
50.00	0.72	64.00	0.44	78.00	0.30	92.00	0.21
50.25	0.72	64.25	0.44	78.25	0.29	92.25	0.21
50.50	0.71	64.50	0.43	78.50	0.29	92.50	0.21
50.75	0.70	64.75	0.43	78.75	0.29	92.75	0.21
51.00	0.69	65.00	0.43	79.00	0.29	93.00	0.21
51.25	0.69	65.25	0.42	79.25	0.29	93.25	0.21
51.50	0.68	65.50	0.42	79.50	0.29	93.50	0.21
51.75	0.67	65.75	0.42	79.75	0.28	93.75	0.21
52.00	0.67	66.00	0.41	80.00	0.28	94.00	0.20
52.25	0.66	66.25	0.41	80.25	0.28	94.25	0.20
52.50	0.66	66.50	0.41	80.50	0.28	94.50	0.20
52.75	0.65	66.75	0.41	80.75	0.28	94.75	0.20
53.00	0.64	67.00	0.40	81.00	0.28	95.00	0.20
53.25	0.64	67.25	0.40	81.25	0.27	95.25	0.20
53.50	0.63	67.50	0.40	81.50	0.27	95.50	0.20
53.75	0.63	67.75	0.39	81.75	0.27	95.75	0.20
54.00	0.62	68.00	0.39	82.00	0.27	96.00	0.20

Table 14 – 100%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 1000% reflections)

Meters 1 Collector Meter - 7 SMART Meters

Time Avg: 1% % Reflection 1000%

Distance where limits are exceeded			
FCC ft.	0.90	10.8	Inches
BioInitiative ft.	74.00	888.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	4370.05	10.25	5.20	20.25	1.33	30.25	0.60
0.50	1748.02	10.50	4.95	20.50	1.30	30.50	0.59
0.75	874.01	10.75	4.72	20.75	1.27	30.75	0.58
1.00	514.12	11.00	4.51	21.00	1.24	31.00	0.57
1.25	336.16	11.25	4.31	21.25	1.21	31.25	0.56
1.50	236.22	11.50	4.13	21.50	1.18	31.50	0.55
1.75	174.80	11.75	3.95	21.75	1.15	31.75	0.54
2.00	134.46	12.00	3.79	22.00	1.13	32.00	0.53
2.25	106.59	12.25	3.64	22.25	1.10	32.25	0.53
2.50	86.54	12.50	3.49	22.50	1.08	32.50	0.52
2.75	71.64	12.75	3.36	22.75	1.06	32.75	0.51
3.00	60.28	13.00	3.23	23.00	1.03	33.00	0.50
3.25	51.41	13.25	3.11	23.25	1.01	33.25	0.49
3.50	44.37	13.50	3.00	23.50	0.99	33.50	0.49
3.75	38.67	13.75	2.89	23.75	0.97	33.75	0.48
4.00	34.01	14.00	2.79	24.00	0.95	34.00	0.47
4.25	30.14	14.25	2.69	24.25	0.93	34.25	0.47
4.50	26.89	14.50	2.60	24.50	0.91	34.50	0.46
4.75	24.14	14.75	2.51	24.75	0.89	34.75	0.45
5.00	21.80	15.00	2.43	25.00	0.87	35.00	0.45
5.25	19.77	15.25	2.35	25.25	0.86	35.25	0.44
5.50	18.02	15.50	2.27	25.50	0.84	35.50	0.43
5.75	16.49	15.75	2.20	25.75	0.82	35.75	0.43
6.00	15.15	16.00	2.13	26.00	0.81	36.00	0.42
6.25	13.96	16.25	2.07	26.25	0.79	36.25	0.42
6.50	12.91	16.50	2.01	26.50	0.78	36.50	0.41
6.75	11.97	16.75	1.95	26.75	0.76	36.75	0.40
7.00	11.13	17.00	1.89	27.00	0.75	37.00	0.40
7.25	10.38	17.25	1.84	27.25	0.74	37.25	0.39
7.50	9.70	17.50	1.78	27.50	0.72	37.50	0.39
7.75	9.09	17.75	1.73	27.75	0.71	37.75	0.38
8.00	8.53	18.00	1.69	28.00	0.70	38.00	0.38
8.25	8.02	18.25	1.64	28.25	0.68	38.25	0.37
8.50	7.55	18.50	1.60	28.50	0.67	38.50	0.37
8.75	7.13	18.75	1.55	28.75	0.66	38.75	0.36
9.00	6.74	19.00	1.51	29.00	0.65	39.00	0.36
9.25	6.38	19.25	1.47	29.25	0.64	39.25	0.35
9.50	6.05	19.50	1.44	29.50	0.63	39.50	0.35
9.75	5.74	19.75	1.40	29.75	0.62	39.75	0.35
10.00	5.46	20.00	1.37	30.00	0.61	40.00	0.34

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 15 – 1%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 1000% reflections)

Meters 1 Collector Meter - 7 SMART Meters

Time Avg: 1% % Reflection 1000%

Distance where limits are exceeded			
FCC ft. 0.90		10.81 Inches	
BioInitiative ft. 74.00		888.00 Inches	

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	0.34	54.25	0.19	68.25	0.12	82.25	0.08
40.50	0.33	54.50	0.18	68.50	0.12	82.50	0.08
40.75	0.33	54.75	0.18	68.75	0.12	82.75	0.08
41.00	0.32	55.00	0.18	69.00	0.11	83.00	0.08
41.25	0.32	55.25	0.18	69.25	0.11	83.25	0.08
41.50	0.32	55.50	0.18	69.50	0.11	83.50	0.08
41.75	0.31	55.75	0.18	69.75	0.11	83.75	0.08
42.00	0.31	56.00	0.17	70.00	0.11	84.00	0.08
42.25	0.31	56.25	0.17	70.25	0.11	84.25	0.08
42.50	0.30	56.50	0.17	70.50	0.11	84.50	0.08
42.75	0.30	56.75	0.17	70.75	0.11	84.75	0.08
43.00	0.30	57.00	0.17	71.00	0.11	85.00	0.08
43.25	0.29	57.25	0.17	71.25	0.11	85.25	0.08
43.50	0.29	57.50	0.17	71.50	0.11	85.50	0.07
43.75	0.29	57.75	0.16	71.75	0.11	85.75	0.07
44.00	0.28	58.00	0.16	72.00	0.11	86.00	0.07
44.25	0.28	58.25	0.16	72.25	0.10	86.25	0.07
44.50	0.28	58.50	0.16	72.50	0.10	86.50	0.07
44.75	0.27	58.75	0.16	72.75	0.10	86.75	0.07
45.00	0.27	59.00	0.16	73.00	0.10	87.00	0.07
45.25	0.27	59.25	0.16	73.25	0.10	87.25	0.07
45.50	0.26	59.50	0.15	73.50	0.10	87.50	0.07
45.75	0.26	59.75	0.15	73.75	0.10	87.75	0.07
46.00	0.26	60.00	0.15	74.00	0.10	88.00	0.07
46.25	0.26	60.25	0.15	74.25	0.10	88.25	0.07
46.50	0.25	60.50	0.15	74.50	0.10	88.50	0.07
46.75	0.25	60.75	0.15	74.75	0.10	88.75	0.07
47.00	0.25	61.00	0.15	75.00	0.10	89.00	0.07
47.25	0.24	61.25	0.15	75.25	0.10	89.25	0.07
47.50	0.24	61.50	0.14	75.50	0.10	89.50	0.07
47.75	0.24	61.75	0.14	75.75	0.10	89.75	0.07
48.00	0.24	62.00	0.14	76.00	0.09	90.00	0.07
48.25	0.23	62.25	0.14	76.25	0.09	90.25	0.07
48.50	0.23	62.50	0.14	76.50	0.09	90.50	0.07
48.75	0.23	62.75	0.14	76.75	0.09	90.75	0.07
49.00	0.23	63.00	0.14	77.00	0.09	91.00	0.07
49.25	0.23	63.25	0.14	77.25	0.09	91.25	0.07
49.50	0.22	63.50	0.14	77.50	0.09	91.50	0.07
49.75	0.22	63.75	0.13	77.75	0.09	91.75	0.06
50.00	0.22	64.00	0.13	78.00	0.09	92.00	0.06
50.25	0.22	64.25	0.13	78.25	0.09	92.25	0.06
50.50	0.21	64.50	0.13	78.50	0.09	92.50	0.06
50.75	0.21	64.75	0.13	78.75	0.09	92.75	0.06
51.00	0.21	65.00	0.13	79.00	0.09	93.00	0.06
51.25	0.21	65.25	0.13	79.25	0.09	93.25	0.06
51.50	0.21	65.50	0.13	79.50	0.09	93.50	0.06
51.75	0.20	65.75	0.13	79.75	0.09	93.75	0.06
52.00	0.20	66.00	0.13	80.00	0.09	94.00	0.06
52.25	0.20	66.25	0.12	80.25	0.08	94.25	0.06
52.50	0.20	66.50	0.12	80.50	0.08	94.50	0.06
52.75	0.20	66.75	0.12	80.75	0.08	94.75	0.06
53.00	0.19	67.00	0.12	81.00	0.08	95.00	0.06
53.25	0.19	67.25	0.12	81.25	0.08	95.25	0.06
53.50	0.19	67.50	0.12	81.50	0.08	95.50	0.06
53.75	0.19	67.75	0.12	81.75	0.08	95.75	0.06
54.00	0.19	68.00	0.12	82.00	0.08	96.00	0.06

Table 15 – 1%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 1000% reflections)

Meters 1 Collector Meter - 7 SMART Meters

Time Avg: 10% % Reflection 1000%

Distance where limits are exceeded			
FCC ft.	2.95	35.4	Inches
BioInitiative ft.	234.00	2808.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	43700.47	10.25	51.96	20.25	13.32	30.25	5.97
0.50	17480.19	10.50	49.52	20.50	13.00	30.50	5.87
0.75	8740.09	10.75	47.24	20.75	12.69	30.75	5.78
1.00	5141.23	11.00	45.12	21.00	12.39	31.00	5.68
1.25	3361.57	11.25	43.14	21.25	12.10	31.25	5.59
1.50	2362.19	11.50	41.29	21.50	11.82	31.50	5.50
1.75	1748.02	11.75	39.55	21.75	11.55	31.75	5.42
2.00	1344.63	12.00	37.92	22.00	11.28	32.00	5.33
2.25	1065.87	12.25	36.39	22.25	11.03	32.25	5.25
2.50	865.36	12.50	34.95	22.50	10.79	32.50	5.17
2.75	716.40	12.75	33.59	22.75	10.55	32.75	5.09
3.00	602.77	13.00	32.31	23.00	10.32	33.00	5.02
3.25	514.12	13.25	31.10	23.25	10.10	33.25	4.94
3.50	443.66	13.50	29.96	23.50	9.89	33.50	4.87
3.75	386.73	13.75	28.88	23.75	9.68	33.75	4.80
4.00	340.08	14.00	27.86	24.00	9.48	34.00	4.73
4.25	301.38	14.25	26.89	24.25	9.29	34.25	4.66
4.50	268.93	14.50	25.97	24.50	9.10	34.50	4.59
4.75	241.44	14.75	25.10	24.75	8.92	34.75	4.52
5.00	217.96	15.00	24.27	25.00	8.74	35.00	4.46
5.25	197.74	15.25	23.48	25.25	8.57	35.25	4.40
5.50	180.21	15.50	22.73	25.50	8.40	35.50	4.33
5.75	164.91	15.75	22.02	25.75	8.24	35.75	4.27
6.00	151.47	16.00	21.33	26.00	8.08	36.00	4.21
6.25	139.62	16.25	20.68	26.25	7.93	36.25	4.16
6.50	129.10	16.50	20.06	26.50	7.78	36.50	4.10
6.75	119.73	16.75	19.47	26.75	7.63	36.75	4.04
7.00	111.34	17.00	18.90	27.00	7.49	37.00	3.99
7.25	103.80	17.25	18.35	27.25	7.36	37.25	3.94
7.50	97.00	17.50	17.83	27.50	7.22	37.50	3.88
7.75	90.85	17.75	17.33	27.75	7.09	37.75	3.83
8.00	85.27	18.00	16.86	28.00	6.97	38.00	3.78
8.25	80.18	18.25	16.40	28.25	6.84	38.25	3.73
8.50	75.54	18.50	15.96	28.50	6.72	38.50	3.69
8.75	71.29	18.75	15.54	28.75	6.61	38.75	3.64
9.00	67.39	19.00	15.13	29.00	6.49	39.00	3.59
9.25	63.80	19.25	14.74	29.25	6.38	39.25	3.55
9.50	60.49	19.50	14.36	29.50	6.28	39.50	3.50
9.75	57.43	19.75	14.00	29.75	6.17	39.75	3.46
10.00	54.59	20.00	13.65	30.00	6.07	40.00	3.41

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 15 – 10%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 1000% reflections)

Meters 1 Collector Meter - 7 SMART Meters
Time Avg: 10% % Reflection 1000%

Distance where limits are exceeded

FCC ft. 2.95	35.36 Inches	
BioInitiative ft. 234.00	2808.00 Inches	

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	3.37	54.25	1.86	68.25	1.17	82.25	0.81
40.50	3.33	54.50	1.84	68.50	1.16	82.50	0.80
40.75	3.29	54.75	1.82	68.75	1.16	82.75	0.80
41.00	3.25	55.00	1.81	69.00	1.15	83.00	0.79
41.25	3.21	55.25	1.79	69.25	1.14	83.25	0.79
41.50	3.17	55.50	1.77	69.50	1.13	83.50	0.78
41.75	3.13	55.75	1.76	69.75	1.12	83.75	0.78
42.00	3.10	56.00	1.74	70.00	1.11	84.00	0.77
42.25	3.06	56.25	1.73	70.25	1.11	84.25	0.77
42.50	3.02	56.50	1.71	70.50	1.10	84.50	0.77
42.75	2.99	56.75	1.70	70.75	1.09	84.75	0.76
43.00	2.95	57.00	1.68	71.00	1.08	85.00	0.76
43.25	2.92	57.25	1.67	71.25	1.08	85.25	0.75
43.50	2.89	57.50	1.65	71.50	1.07	85.50	0.75
43.75	2.85	57.75	1.64	71.75	1.06	85.75	0.74
44.00	2.82	58.00	1.62	72.00	1.05	86.00	0.74
44.25	2.79	58.25	1.61	72.25	1.05	86.25	0.73
44.50	2.76	58.50	1.60	72.50	1.04	86.50	0.73
44.75	2.73	58.75	1.58	72.75	1.03	86.75	0.73
45.00	2.70	59.00	1.57	73.00	1.03	87.00	0.72
45.25	2.67	59.25	1.56	73.25	1.02	87.25	0.72
45.50	2.64	59.50	1.54	73.50	1.01	87.50	0.71
45.75	2.61	59.75	1.53	73.75	1.00	87.75	0.71
46.00	2.58	60.00	1.52	74.00	1.00	88.00	0.71
46.25	2.55	60.25	1.50	74.25	0.99	88.25	0.70
46.50	2.53	60.50	1.49	74.50	0.98	88.50	0.70
46.75	2.50	60.75	1.48	74.75	0.98	88.75	0.69
47.00	2.47	61.00	1.47	75.00	0.97	89.00	0.69
47.25	2.45	61.25	1.46	75.25	0.96	89.25	0.69
47.50	2.42	61.50	1.44	75.50	0.96	89.50	0.68
47.75	2.40	61.75	1.43	75.75	0.95	89.75	0.68
48.00	2.37	62.00	1.42	76.00	0.95	90.00	0.67
48.25	2.35	62.25	1.41	76.25	0.94	90.25	0.67
48.50	2.32	62.50	1.40	76.50	0.93	90.50	0.67
48.75	2.30	62.75	1.39	76.75	0.93	90.75	0.66
49.00	2.28	63.00	1.38	77.00	0.92	91.00	0.66
49.25	2.25	63.25	1.37	77.25	0.92	91.25	0.66
49.50	2.23	63.50	1.35	77.50	0.91	91.50	0.65
49.75	2.21	63.75	1.34	77.75	0.90	91.75	0.65
50.00	2.18	64.00	1.33	78.00	0.90	92.00	0.65
50.25	2.16	64.25	1.32	78.25	0.89	92.25	0.64
50.50	2.14	64.50	1.31	78.50	0.89	92.50	0.64
50.75	2.12	64.75	1.30	78.75	0.88	92.75	0.63
51.00	2.10	65.00	1.29	79.00	0.88	93.00	0.63
51.25	2.08	65.25	1.28	79.25	0.87	93.25	0.63
51.50	2.06	65.50	1.27	79.50	0.86	93.50	0.62
51.75	2.04	65.75	1.26	79.75	0.86	93.75	0.62
52.00	2.02	66.00	1.25	80.00	0.85	94.00	0.62
52.25	2.00	66.25	1.24	80.25	0.85	94.25	0.61
52.50	1.98	66.50	1.24	80.50	0.84	94.50	0.61
52.75	1.96	66.75	1.23	80.75	0.84	94.75	0.61
53.00	1.94	67.00	1.22	81.00	0.83	95.00	0.61
53.25	1.93	67.25	1.21	81.25	0.83	95.25	0.60
53.50	1.91	67.50	1.20	81.50	0.82	95.50	0.60
53.75	1.89	67.75	1.19	81.75	0.82	95.75	0.60
54.00	1.87	68.00	1.18	82.00	0.81	96.00	0.59

Table 15 – 10%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 1000% reflections)

Meters 1 Collector Meter - 7 SMART Meters

Time Avg: 20% % Reflection 1000%

Distance where limits are exceeded			
FCC ft.	4.18	50.1	Inches
BioInitiative ft.	330.00	3960.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	87400.95	10.25	103.93	20.25	26.64	30.25	11.94
0.50	34960.38	10.50	99.04	20.50	25.99	30.50	11.74
0.75	17480.19	10.75	94.49	20.75	25.37	30.75	11.55
1.00	10282.46	11.00	90.24	21.00	24.77	31.00	11.37
1.25	6723.15	11.25	86.28	21.25	24.19	31.25	11.19
1.50	4724.38	11.50	82.57	21.50	23.63	31.50	11.01
1.75	3496.04	11.75	79.10	21.75	23.09	31.75	10.84
2.00	2689.26	12.00	75.84	22.00	22.57	32.00	10.67
2.25	2131.73	12.25	72.77	22.25	22.07	32.25	10.50
2.50	1730.71	12.50	69.89	22.50	21.58	32.50	10.34
2.75	1432.80	12.75	67.18	22.75	21.11	32.75	10.19
3.00	1205.53	13.00	64.62	23.00	20.65	33.00	10.03
3.25	1028.25	13.25	62.21	23.25	20.21	33.25	9.88
3.50	887.32	13.50	59.93	23.50	19.78	33.50	9.73
3.75	773.46	13.75	57.77	23.75	19.37	33.75	9.59
4.00	680.16	14.00	55.72	24.00	18.97	34.00	9.45
4.25	602.77	14.25	53.79	24.25	18.58	34.25	9.31
4.50	537.85	14.50	51.95	24.50	18.20	34.50	9.18
4.75	482.88	14.75	50.20	24.75	17.83	34.75	9.05
5.00	435.91	15.00	48.54	25.00	17.48	35.00	8.92
5.25	395.48	15.25	46.96	25.25	17.13	35.25	8.79
5.50	360.42	15.50	45.46	25.50	16.80	35.50	8.67
5.75	329.81	15.75	44.03	25.75	16.48	35.75	8.55
6.00	302.95	16.00	42.67	26.00	16.16	36.00	8.43
6.25	279.24	16.25	41.36	26.25	15.85	36.25	8.31
6.50	258.20	16.50	40.12	26.50	15.56	36.50	8.20
6.75	239.45	16.75	38.93	26.75	15.27	36.75	8.09
7.00	222.68	17.00	37.80	27.00	14.99	37.00	7.98
7.25	207.60	17.25	36.71	27.25	14.71	37.25	7.87
7.50	194.01	17.50	35.67	27.50	14.45	37.50	7.77
7.75	181.71	17.75	34.67	27.75	14.19	37.75	7.67
8.00	170.54	18.00	33.71	28.00	13.93	38.00	7.57
8.25	160.37	18.25	32.80	28.25	13.69	38.25	7.47
8.50	151.08	18.50	31.92	28.50	13.45	38.50	7.37
8.75	142.58	18.75	31.07	28.75	13.22	38.75	7.28
9.00	134.77	19.00	30.26	29.00	12.99	39.00	7.18
9.25	127.59	19.25	29.48	29.25	12.77	39.25	7.09
9.50	120.97	19.50	28.73	29.50	12.55	39.50	7.00
9.75	114.85	19.75	28.00	29.75	12.34	39.75	6.91
10.00	109.18	20.00	27.31	30.00	12.14	40.00	6.83

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 15 – 20%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 1000% reflections)

Meters 1 Collector Meter - 7 SMART Meters
Time Avg: 20% % Reflection 1000%

Distance where limits are exceeded

FCC ft. 4.18	50.10	Inches
BioInitiative ft. 330.00	3960.00	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	6.74	54.25	3.71	68.25	2.35	82.25	1.61
40.50	6.66	54.50	3.68	68.50	2.33	82.50	1.61
40.75	6.58	54.75	3.64	68.75	2.31	82.75	1.60
41.00	6.50	55.00	3.61	69.00	2.29	83.00	1.59
41.25	6.42	55.25	3.58	69.25	2.28	83.25	1.58
41.50	6.34	55.50	3.55	69.50	2.26	83.50	1.57
41.75	6.27	55.75	3.52	69.75	2.25	83.75	1.56
42.00	6.19	56.00	3.48	70.00	2.23	84.00	1.55
42.25	6.12	56.25	3.45	70.25	2.21	84.25	1.54
42.50	6.05	56.50	3.42	70.50	2.20	84.50	1.53
42.75	5.98	56.75	3.39	70.75	2.18	84.75	1.52
43.00	5.91	57.00	3.36	71.00	2.17	85.00	1.51
43.25	5.84	57.25	3.33	71.25	2.15	85.25	1.50
43.50	5.77	57.50	3.30	71.50	2.14	85.50	1.49
43.75	5.71	57.75	3.28	71.75	2.12	85.75	1.49
44.00	5.64	58.00	3.25	72.00	2.11	86.00	1.48
44.25	5.58	58.25	3.22	72.25	2.09	86.25	1.47
44.50	5.52	58.50	3.19	72.50	2.08	86.50	1.46
44.75	5.46	58.75	3.17	72.75	2.06	86.75	1.45
45.00	5.39	59.00	3.14	73.00	2.05	87.00	1.44
45.25	5.34	59.25	3.11	73.25	2.04	87.25	1.44
45.50	5.28	59.50	3.09	73.50	2.02	87.50	1.43
45.75	5.22	59.75	3.06	73.75	2.01	87.75	1.42
46.00	5.16	60.00	3.03	74.00	2.00	88.00	1.41
46.25	5.11	60.25	3.01	74.25	1.98	88.25	1.40
46.50	5.05	60.50	2.98	74.50	1.97	88.50	1.39
46.75	5.00	60.75	2.96	74.75	1.96	88.75	1.39
47.00	4.95	61.00	2.94	75.00	1.94	89.00	1.38
47.25	4.89	61.25	2.91	75.25	1.93	89.25	1.37
47.50	4.84	61.50	2.89	75.50	1.92	89.50	1.36
47.75	4.79	61.75	2.87	75.75	1.90	89.75	1.36
48.00	4.74	62.00	2.84	76.00	1.89	90.00	1.35
48.25	4.69	62.25	2.82	76.25	1.88	90.25	1.34
48.50	4.64	62.50	2.80	76.50	1.87	90.50	1.33
48.75	4.60	62.75	2.77	76.75	1.85	90.75	1.33
49.00	4.55	63.00	2.75	77.00	1.84	91.00	1.32
49.25	4.50	63.25	2.73	77.25	1.83	91.25	1.31
49.50	4.46	63.50	2.71	77.50	1.82	91.50	1.30
49.75	4.41	63.75	2.69	77.75	1.81	91.75	1.30
50.00	4.37	64.00	2.67	78.00	1.80	92.00	1.29
50.25	4.33	64.25	2.65	78.25	1.78	92.25	1.28
50.50	4.28	64.50	2.63	78.50	1.77	92.50	1.28
50.75	4.24	64.75	2.61	78.75	1.76	92.75	1.27
51.00	4.20	65.00	2.59	79.00	1.75	93.00	1.26
51.25	4.16	65.25	2.57	79.25	1.74	93.25	1.26
51.50	4.12	65.50	2.55	79.50	1.73	93.50	1.25
51.75	4.08	65.75	2.53	79.75	1.72	93.75	1.24
52.00	4.04	66.00	2.51	80.00	1.71	94.00	1.24
52.25	4.00	66.25	2.49	80.25	1.70	94.25	1.23
52.50	3.96	66.50	2.47	80.50	1.69	94.50	1.22
52.75	3.93	66.75	2.45	80.75	1.68	94.75	1.22
53.00	3.89	67.00	2.43	81.00	1.67	95.00	1.21
53.25	3.85	67.25	2.42	81.25	1.65	95.25	1.20
53.50	3.82	67.50	2.40	81.50	1.64	95.50	1.20
53.75	3.78	67.75	2.38	81.75	1.63	95.75	1.19
54.00	3.75	68.00	2.36	82.00	1.62	96.00	1.19

Table 15 – 20%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 1000% reflections)

Meters 1 Collector Meter - 7 SMART Meters

Time Avg: 30% % Reflection 1000%

Distance where limits are exceeded			
FCC ft.	5.12	61.4	Inches
BioInitiative ft.	405.00	4860.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	131101.42	10.25	155.89	20.25	39.96	30.25	17.91
0.50	52440.57	10.50	148.56	20.50	38.99	30.50	17.62
0.75	26220.28	10.75	141.73	20.75	38.06	30.75	17.33
1.00	15423.70	11.00	135.37	21.00	37.16	31.00	17.05
1.25	10084.72	11.25	129.42	21.25	36.29	31.25	16.78
1.50	7086.56	11.50	123.86	21.50	35.45	31.50	16.51
1.75	5244.06	11.75	118.64	21.75	34.64	31.75	16.26
2.00	4033.89	12.00	113.75	22.00	33.85	32.00	16.00
2.25	3197.60	12.25	109.16	22.25	33.10	32.25	15.76
2.50	2596.07	12.50	104.84	22.50	32.37	32.50	15.51
2.75	2149.20	12.75	100.77	22.75	31.66	32.75	15.28
3.00	1808.30	13.00	96.93	23.00	30.97	33.00	15.05
3.25	1542.37	13.25	93.31	23.25	30.31	33.25	14.82
3.50	1330.98	13.50	89.89	23.50	29.67	33.50	14.60
3.75	1160.19	13.75	86.65	23.75	29.05	33.75	14.39
4.00	1020.24	14.00	83.58	24.00	28.45	34.00	14.18
4.25	904.15	14.25	80.68	24.25	27.86	34.25	13.97
4.50	806.78	14.50	77.92	24.50	27.30	34.50	13.77
4.75	724.32	14.75	75.30	24.75	26.75	34.75	13.57
5.00	653.87	15.00	72.81	25.00	26.22	35.00	13.38
5.25	593.22	15.25	70.45	25.25	25.70	35.25	13.19
5.50	540.62	15.50	68.19	25.50	25.20	35.50	13.00
5.75	494.72	15.75	66.05	25.75	24.71	35.75	12.82
6.00	454.42	16.00	64.00	26.00	24.24	36.00	12.64
6.25	418.85	16.25	62.05	26.25	23.78	36.25	12.47
6.50	387.30	16.50	60.18	26.50	23.33	36.50	12.30
6.75	359.18	16.75	58.40	26.75	22.90	36.75	12.13
7.00	334.02	17.00	56.69	27.00	22.48	37.00	11.97
7.25	311.40	17.25	55.06	27.25	22.07	37.25	11.81
7.50	291.01	17.50	53.50	27.50	21.67	37.50	11.65
7.75	272.56	17.75	52.00	27.75	21.28	37.75	11.50
8.00	255.81	18.00	50.57	28.00	20.90	38.00	11.35
8.25	240.55	18.25	49.19	28.25	20.53	38.25	11.20
8.50	226.62	18.50	47.87	28.50	20.17	38.50	11.06
8.75	213.87	18.75	46.61	28.75	19.82	38.75	10.91
9.00	202.16	19.00	45.39	29.00	19.48	39.00	10.77
9.25	191.39	19.25	44.22	29.25	19.15	39.25	10.64
9.50	181.46	19.50	43.09	29.50	18.83	39.50	10.50
9.75	172.28	19.75	42.01	29.75	18.51	39.75	10.37
10.00	163.77	20.00	40.96	30.00	18.21	40.00	10.24

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 15 – 30%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 1000% reflections)

Meters 1 Collector Meter - 7 SMART Meters

Time Avg: 30% % Reflection 1000%

Distance where limits are exceeded

FCC ft. 5.12	61.40 Inches		
BioInitiative ft. 405.00	4860.00 Inches		

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	10.12	54.25	5.57	68.25	3.52	82.25	2.42
40.50	9.99	54.50	5.52	68.50	3.49	82.50	2.41
40.75	9.87	54.75	5.47	68.75	3.47	82.75	2.39
41.00	9.75	55.00	5.42	69.00	3.44	83.00	2.38
41.25	9.63	55.25	5.37	69.25	3.42	83.25	2.36
41.50	9.51	55.50	5.32	69.50	3.39	83.50	2.35
41.75	9.40	55.75	5.27	69.75	3.37	83.75	2.34
42.00	9.29	56.00	5.23	70.00	3.34	84.00	2.32
42.25	9.18	56.25	5.18	70.25	3.32	84.25	2.31
42.50	9.07	56.50	5.13	70.50	3.30	84.50	2.30
42.75	8.97	56.75	5.09	70.75	3.27	84.75	2.28
43.00	8.86	57.00	5.04	71.00	3.25	85.00	2.27
43.25	8.76	57.25	5.00	71.25	3.23	85.25	2.25
43.50	8.66	57.50	4.96	71.50	3.21	85.50	2.24
43.75	8.56	57.75	4.91	71.75	3.18	85.75	2.23
44.00	8.46	58.00	4.87	72.00	3.16	86.00	2.22
44.25	8.37	58.25	4.83	72.25	3.14	86.25	2.20
44.50	8.28	58.50	4.79	72.50	3.12	86.50	2.19
44.75	8.18	58.75	4.75	72.75	3.10	86.75	2.18
45.00	8.09	59.00	4.71	73.00	3.08	87.00	2.17
45.25	8.00	59.25	4.67	73.25	3.05	87.25	2.15
45.50	7.92	59.50	4.63	73.50	3.03	87.50	2.14
45.75	7.83	59.75	4.59	73.75	3.01	87.75	2.13
46.00	7.74	60.00	4.55	74.00	2.99	88.00	2.12
46.25	7.66	60.25	4.51	74.25	2.97	88.25	2.10
46.50	7.58	60.50	4.48	74.50	2.95	88.50	2.09
46.75	7.50	60.75	4.44	74.75	2.93	88.75	2.08
47.00	7.42	61.00	4.40	75.00	2.91	89.00	2.07
47.25	7.34	61.25	4.37	75.25	2.89	89.25	2.06
47.50	7.26	61.50	4.33	75.50	2.87	89.50	2.05
47.75	7.19	61.75	4.30	75.75	2.86	89.75	2.03
48.00	7.11	62.00	4.26	76.00	2.84	90.00	2.02
48.25	7.04	62.25	4.23	76.25	2.82	90.25	2.01
48.50	6.97	62.50	4.20	76.50	2.80	90.50	2.00
48.75	6.90	62.75	4.16	76.75	2.78	90.75	1.99
49.00	6.83	63.00	4.13	77.00	2.76	91.00	1.98
49.25	6.76	63.25	4.10	77.25	2.75	91.25	1.97
49.50	6.69	63.50	4.06	77.50	2.73	91.50	1.96
49.75	6.62	63.75	4.03	77.75	2.71	91.75	1.95
50.00	6.55	64.00	4.00	78.00	2.69	92.00	1.94
50.25	6.49	64.25	3.97	78.25	2.68	92.25	1.93
50.50	6.43	64.50	3.94	78.50	2.66	92.50	1.92
50.75	6.36	64.75	3.91	78.75	2.64	92.75	1.90
51.00	6.30	65.00	3.88	79.00	2.63	93.00	1.89
51.25	6.24	65.25	3.85	79.25	2.61	93.25	1.88
51.50	6.18	65.50	3.82	79.50	2.59	93.50	1.87
51.75	6.12	65.75	3.79	79.75	2.58	93.75	1.86
52.00	6.06	66.00	3.76	80.00	2.56	94.00	1.85
52.25	6.00	66.25	3.73	80.25	2.54	94.25	1.84
52.50	5.95	66.50	3.71	80.50	2.53	94.50	1.84
52.75	5.89	66.75	3.68	80.75	2.51	94.75	1.83
53.00	5.83	67.00	3.65	81.00	2.50	95.00	1.82
53.25	5.78	67.25	3.62	81.25	2.48	95.25	1.81
53.50	5.73	67.50	3.60	81.50	2.47	95.50	1.80
53.75	5.67	67.75	3.57	81.75	2.45	95.75	1.79
54.00	5.62	68.00	3.54	82.00	2.44	96.00	1.78

Table 15 – 30%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 1000% reflections)

Meters 1 Collector Meter - 7 SMART Meters

Time Avg: 40% % Reflection 1000%

Distance where limits are exceeded			
FCC ft.	5.91	70.9	Inches
BioInitiative ft.	468.00	5616.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	174801.90	10.25	207.85	20.25	53.28	30.25	23.88
0.50	69920.76	10.50	198.08	20.50	51.99	30.50	23.49
0.75	34960.38	10.75	188.98	20.75	50.74	30.75	23.11
1.00	20564.93	11.00	180.49	21.00	49.54	31.00	22.74
1.25	13446.30	11.25	172.56	21.25	48.38	31.25	22.37
1.50	9448.75	11.50	165.14	21.50	47.26	31.50	22.02
1.75	6992.08	11.75	158.19	21.75	46.18	31.75	21.67
2.00	5378.52	12.00	151.67	22.00	45.14	32.00	21.34
2.25	4263.46	12.25	145.55	22.25	44.13	32.25	21.01
2.50	3461.42	12.50	139.79	22.50	43.16	32.50	20.69
2.75	2865.60	12.75	134.36	22.75	42.21	32.75	20.37
3.00	2411.06	13.00	129.24	23.00	41.30	33.00	20.06
3.25	2056.49	13.25	124.41	23.25	40.42	33.25	19.76
3.50	1774.64	13.50	119.85	23.50	39.56	33.50	19.47
3.75	1546.92	13.75	115.53	23.75	38.73	33.75	19.18
4.00	1360.33	14.00	111.45	24.00	37.93	34.00	18.90
4.25	1205.53	14.25	107.57	24.25	37.15	34.25	18.63
4.50	1075.70	14.50	103.89	24.50	36.40	34.50	18.36
4.75	965.76	14.75	100.40	24.75	35.67	34.75	18.09
5.00	871.83	15.00	97.09	25.00	34.96	35.00	17.84
5.25	790.96	15.25	93.93	25.25	34.27	35.25	17.58
5.50	720.83	15.50	90.92	25.50	33.60	35.50	17.34
5.75	659.63	15.75	88.06	25.75	32.95	35.75	17.10
6.00	605.90	16.00	85.33	26.00	32.32	36.00	16.86
6.25	558.47	16.25	82.73	26.25	31.71	36.25	16.63
6.50	516.40	16.50	80.24	26.50	31.11	36.50	16.40
6.75	478.91	16.75	77.86	26.75	30.53	36.75	16.18
7.00	445.36	17.00	75.59	27.00	29.97	37.00	15.96
7.25	415.21	17.25	73.42	27.25	29.42	37.25	15.75
7.50	388.02	17.50	71.33	27.50	28.89	37.50	15.54
7.75	363.41	17.75	69.34	27.75	28.37	37.75	15.33
8.00	341.08	18.00	67.43	28.00	27.87	38.00	15.13
8.25	320.74	18.25	65.59	28.25	27.38	38.25	14.93
8.50	302.16	18.50	63.83	28.50	26.90	38.50	14.74
8.75	285.16	18.75	62.14	28.75	26.43	38.75	14.55
9.00	269.55	19.00	60.52	29.00	25.98	39.00	14.37
9.25	255.19	19.25	58.96	29.25	25.54	39.25	14.18
9.50	241.94	19.50	57.45	29.50	25.11	39.50	14.00
9.75	229.70	19.75	56.01	29.75	24.69	39.75	13.83
10.00	218.37	20.00	54.62	30.00	24.28	40.00	13.66

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 15 – 40%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 1000% reflections)

Meters 1 Collector Meter - 7 SMART Meters

Time Avg: 40% % Reflection 1000%

Distance where limits are exceeded

FCC ft. 5.91	70.91 Inches		
BioInitiative ft. 468.00	5616.00 Inches		

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	13.49	54.25	7.42	68.25	4.69	82.25	3.23
40.50	13.32	54.50	7.36	68.50	4.66	82.50	3.21
40.75	13.16	54.75	7.29	68.75	4.62	82.75	3.19
41.00	13.00	55.00	7.22	69.00	4.59	83.00	3.17
41.25	12.84	55.25	7.16	69.25	4.56	83.25	3.15
41.50	12.69	55.50	7.09	69.50	4.52	83.50	3.13
41.75	12.54	55.75	7.03	69.75	4.49	83.75	3.12
42.00	12.39	56.00	6.97	70.00	4.46	84.00	3.10
42.25	12.24	56.25	6.91	70.25	4.43	84.25	3.08
42.50	12.10	56.50	6.84	70.50	4.40	84.50	3.06
42.75	11.96	56.75	6.78	70.75	4.37	84.75	3.04
43.00	11.82	57.00	6.73	71.00	4.33	85.00	3.02
43.25	11.68	57.25	6.67	71.25	4.30	85.25	3.01
43.50	11.55	57.50	6.61	71.50	4.27	85.50	2.99
43.75	11.42	57.75	6.55	71.75	4.24	85.75	2.97
44.00	11.29	58.00	6.50	72.00	4.21	86.00	2.95
44.25	11.16	58.25	6.44	72.25	4.19	86.25	2.94
44.50	11.03	58.50	6.38	72.50	4.16	86.50	2.92
44.75	10.91	58.75	6.33	72.75	4.13	86.75	2.90
45.00	10.79	59.00	6.28	73.00	4.10	87.00	2.89
45.25	10.67	59.25	6.22	73.25	4.07	87.25	2.87
45.50	10.55	59.50	6.17	73.50	4.04	87.50	2.85
45.75	10.44	59.75	6.12	73.75	4.02	87.75	2.84
46.00	10.33	60.00	6.07	74.00	3.99	88.00	2.82
46.25	10.21	60.25	6.02	74.25	3.96	88.25	2.81
46.50	10.11	60.50	5.97	74.50	3.94	88.50	2.79
46.75	10.00	60.75	5.92	74.75	3.91	88.75	2.77
47.00	9.89	61.00	5.87	75.00	3.88	89.00	2.76
47.25	9.79	61.25	5.82	75.25	3.86	89.25	2.74
47.50	9.68	61.50	5.78	75.50	3.83	89.50	2.73
47.75	9.58	61.75	5.73	75.75	3.81	89.75	2.71
48.00	9.48	62.00	5.68	76.00	3.78	90.00	2.70
48.25	9.39	62.25	5.64	76.25	3.76	90.25	2.68
48.50	9.29	62.50	5.59	76.50	3.73	90.50	2.67
48.75	9.19	62.75	5.55	76.75	3.71	90.75	2.65
49.00	9.10	63.00	5.51	77.00	3.69	91.00	2.64
49.25	9.01	63.25	5.46	77.25	3.66	91.25	2.62
49.50	8.92	63.50	5.42	77.50	3.64	91.50	2.61
49.75	8.83	63.75	5.38	77.75	3.61	91.75	2.60
50.00	8.74	64.00	5.33	78.00	3.59	92.00	2.58
50.25	8.65	64.25	5.29	78.25	3.57	92.25	2.57
50.50	8.57	64.50	5.25	78.50	3.55	92.50	2.55
50.75	8.48	64.75	5.21	78.75	3.52	92.75	2.54
51.00	8.40	65.00	5.17	79.00	3.50	93.00	2.53
51.25	8.32	65.25	5.13	79.25	3.48	93.25	2.51
51.50	8.24	65.50	5.09	79.50	3.46	93.50	2.50
51.75	8.16	65.75	5.05	79.75	3.44	93.75	2.49
52.00	8.08	66.00	5.02	80.00	3.41	94.00	2.47
52.25	8.00	66.25	4.98	80.25	3.39	94.25	2.46
52.50	7.93	66.50	4.94	80.50	3.37	94.50	2.45
52.75	7.85	66.75	4.90	80.75	3.35	94.75	2.43
53.00	7.78	67.00	4.87	81.00	3.33	95.00	2.42
53.25	7.71	67.25	4.83	81.25	3.31	95.25	2.41
53.50	7.63	67.50	4.80	81.50	3.29	95.50	2.40
53.75	7.56	67.75	4.76	81.75	3.27	95.75	2.38
54.00	7.49	68.00	4.73	82.00	3.25	96.00	2.37

Table 15 – 40%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 1000% reflections)

Meters 1 Collector Meter - 7 SMART Meters

Time Avg: 50% % Reflection 1000%

Distance where limits are exceeded			
FCC ft.	6.61	79.3	Inches
BioInitiative ft.	523.00	6276.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	218502.37	10.25	259.81	20.25	66.60	30.25	29.85
0.50	87400.95	10.50	247.59	20.50	64.98	30.50	29.36
0.75	43700.47	10.75	236.22	20.75	63.43	30.75	28.88
1.00	25706.16	11.00	225.61	21.00	61.93	31.00	28.42
1.25	16807.87	11.25	215.70	21.25	60.48	31.25	27.97
1.50	11810.94	11.50	206.43	21.50	59.08	31.50	27.52
1.75	8740.09	11.75	197.74	21.75	57.73	31.75	27.09
2.00	6723.15	12.00	189.59	22.00	56.42	32.00	26.67
2.25	5329.33	12.25	181.93	22.25	55.16	32.25	26.26
2.50	4326.78	12.50	174.73	22.50	53.94	32.50	25.86
2.75	3582.01	12.75	167.95	22.75	52.77	32.75	25.46
3.00	3013.83	13.00	161.55	23.00	51.62	33.00	25.08
3.25	2570.62	13.25	155.52	23.25	50.52	33.25	24.70
3.50	2218.30	13.50	149.81	23.50	49.45	33.50	24.34
3.75	1933.65	13.75	144.42	23.75	48.42	33.75	23.98
4.00	1700.41	14.00	139.31	24.00	47.41	34.00	23.63
4.25	1506.91	14.25	134.46	24.25	46.44	34.25	23.28
4.50	1344.63	14.50	129.87	24.50	45.50	34.50	22.95
4.75	1207.20	14.75	125.50	24.75	44.58	34.75	22.62
5.00	1089.79	15.00	121.36	25.00	43.70	35.00	22.30
5.25	988.70	15.25	117.41	25.25	42.84	35.25	21.98
5.50	901.04	15.50	113.66	25.50	42.00	35.50	21.67
5.75	824.54	15.75	110.08	25.75	41.19	35.75	21.37
6.00	757.37	16.00	106.66	26.00	40.40	36.00	21.07
6.25	698.09	16.25	103.41	26.25	39.63	36.25	20.78
6.50	645.50	16.50	100.30	26.50	38.89	36.50	20.50
6.75	598.64	16.75	97.33	26.75	38.17	36.75	20.22
7.00	556.69	17.00	94.49	27.00	37.46	37.00	19.95
7.25	519.01	17.25	91.77	27.25	36.78	37.25	19.68
7.50	485.02	17.50	89.17	27.50	36.11	37.50	19.42
7.75	454.27	17.75	86.67	27.75	35.47	37.75	19.17
8.00	426.35	18.00	84.28	28.00	34.83	38.00	18.91
8.25	400.92	18.25	81.99	28.25	34.22	38.25	18.67
8.50	377.71	18.50	79.79	28.50	33.62	38.50	18.43
8.75	356.45	18.75	77.68	28.75	33.04	38.75	18.19
9.00	336.94	19.00	75.65	29.00	32.47	39.00	17.96
9.25	318.98	19.25	73.69	29.25	31.92	39.25	17.73
9.50	302.43	19.50	71.82	29.50	31.38	39.50	17.50
9.75	287.13	19.75	70.01	29.75	30.86	39.75	17.29
10.00	272.96	20.00	68.27	30.00	30.35	40.00	17.07

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 15 – 50%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 1000% reflections)

Meters 1 Collector Meter - 7 SMART Meters
Time Avg: 50% % Reflection 1000%

Distance where limits are exceeded

FCC ft. 6.61	79.30 Inches		
BioInitiative ft. 523.00	6276.00 Inches		

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	16.86	54.25	9.28	68.25	5.86	82.25	4.04
40.50	16.65	54.50	9.20	68.50	5.82	82.50	4.01
40.75	16.45	54.75	9.11	68.75	5.78	82.75	3.99
41.00	16.25	55.00	9.03	69.00	5.74	83.00	3.96
41.25	16.05	55.25	8.95	69.25	5.70	83.25	3.94
41.50	15.86	55.50	8.87	69.50	5.65	83.50	3.92
41.75	15.67	55.75	8.79	69.75	5.61	83.75	3.89
42.00	15.48	56.00	8.71	70.00	5.57	84.00	3.87
42.25	15.30	56.25	8.63	70.25	5.53	84.25	3.85
42.50	15.12	56.50	8.56	70.50	5.50	84.50	3.83
42.75	14.94	56.75	8.48	70.75	5.46	84.75	3.80
43.00	14.77	57.00	8.41	71.00	5.42	85.00	3.78
43.25	14.60	57.25	8.33	71.25	5.38	85.25	3.76
43.50	14.43	57.50	8.26	71.50	5.34	85.50	3.74
43.75	14.27	57.75	8.19	71.75	5.31	85.75	3.71
44.00	14.11	58.00	8.12	72.00	5.27	86.00	3.69
44.25	13.95	58.25	8.05	72.25	5.23	86.25	3.67
44.50	13.79	58.50	7.98	72.50	5.20	86.50	3.65
44.75	13.64	58.75	7.91	72.75	5.16	86.75	3.63
45.00	13.49	59.00	7.85	73.00	5.13	87.00	3.61
45.25	13.34	59.25	7.78	73.25	5.09	87.25	3.59
45.50	13.19	59.50	7.71	73.50	5.06	87.50	3.57
45.75	13.05	59.75	7.65	73.75	5.02	87.75	3.55
46.00	12.91	60.00	7.59	74.00	4.99	88.00	3.53
46.25	12.77	60.25	7.52	74.25	4.95	88.25	3.51
46.50	12.63	60.50	7.46	74.50	4.92	88.50	3.49
46.75	12.50	60.75	7.40	74.75	4.89	88.75	3.47
47.00	12.36	61.00	7.34	75.00	4.86	89.00	3.45
47.25	12.23	61.25	7.28	75.25	4.82	89.25	3.43
47.50	12.11	61.50	7.22	75.50	4.79	89.50	3.41
47.75	11.98	61.75	7.16	75.75	4.76	89.75	3.39
48.00	11.85	62.00	7.11	76.00	4.73	90.00	3.37
48.25	11.73	62.25	7.05	76.25	4.70	90.25	3.35
48.50	11.61	62.50	6.99	76.50	4.67	90.50	3.33
48.75	11.49	62.75	6.94	76.75	4.64	90.75	3.32
49.00	11.38	63.00	6.88	77.00	4.61	91.00	3.30
49.25	11.26	63.25	6.83	77.25	4.58	91.25	3.28
49.50	11.15	63.50	6.77	77.50	4.55	91.50	3.26
49.75	11.03	63.75	6.72	77.75	4.52	91.75	3.24
50.00	10.92	64.00	6.67	78.00	4.49	92.00	3.23
50.25	10.82	64.25	6.62	78.25	4.46	92.25	3.21
50.50	10.71	64.50	6.57	78.50	4.43	92.50	3.19
50.75	10.60	64.75	6.51	78.75	4.40	92.75	3.17
51.00	10.50	65.00	6.46	79.00	4.38	93.00	3.16
51.25	10.40	65.25	6.42	79.25	4.35	93.25	3.14
51.50	10.30	65.50	6.37	79.50	4.32	93.50	3.12
51.75	10.20	65.75	6.32	79.75	4.29	93.75	3.11
52.00	10.10	66.00	6.27	80.00	4.27	94.00	3.09
52.25	10.00	66.25	6.22	80.25	4.24	94.25	3.07
52.50	9.91	66.50	6.18	80.50	4.21	94.50	3.06
52.75	9.82	66.75	6.13	80.75	4.19	94.75	3.04
53.00	9.72	67.00	6.08	81.00	4.16	95.00	3.03
53.25	9.63	67.25	6.04	81.25	4.14	95.25	3.01
53.50	9.54	67.50	5.99	81.50	4.11	95.50	2.99
53.75	9.45	67.75	5.95	81.75	4.09	95.75	2.98
54.00	9.37	68.00	5.91	82.00	4.06	96.00	2.96

Table 15 – 50%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 1000% reflections)

Meters 1 Collector Meter - 7 SMART Meters

Time Avg: 60% % Reflection 1000%

Distance where limits are exceeded			
FCC ft.	7.24	86.9	Inches
BioInitiative ft.	573.00	6876.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	262202.85	10.25	311.78	20.25	79.92	30.25	35.82
0.50	104881.14	10.50	297.11	20.50	77.98	30.50	35.23
0.75	52440.57	10.75	283.46	20.75	76.11	30.75	34.66
1.00	30847.39	11.00	270.73	21.00	74.31	31.00	34.10
1.25	20169.45	11.25	258.84	21.25	72.57	31.25	33.56
1.50	14173.13	11.50	247.71	21.50	70.89	31.50	33.03
1.75	10488.11	11.75	237.29	21.75	69.27	31.75	32.51
2.00	8067.78	12.00	227.51	22.00	67.71	32.00	32.01
2.25	6395.19	12.25	218.32	22.25	66.20	32.25	31.51
2.50	5192.14	12.50	209.68	22.50	64.73	32.50	31.03
2.75	4298.41	12.75	201.54	22.75	63.32	32.75	30.56
3.00	3616.59	13.00	193.87	23.00	61.95	33.00	30.10
3.25	3084.74	13.25	186.62	23.25	60.62	33.25	29.64
3.50	2661.96	13.50	179.78	23.50	59.34	33.50	29.20
3.75	2320.38	13.75	173.30	23.75	58.10	33.75	28.77
4.00	2040.49	14.00	167.17	24.00	56.90	34.00	28.35
4.25	1808.30	14.25	161.36	24.25	55.73	34.25	27.94
4.50	1613.56	14.50	155.84	24.50	54.60	34.50	27.54
4.75	1448.63	14.75	150.60	24.75	53.50	34.75	27.14
5.00	1307.74	15.00	145.63	25.00	52.44	35.00	26.75
5.25	1186.44	15.25	140.89	25.25	51.40	35.25	26.38
5.50	1081.25	15.50	136.39	25.50	50.40	35.50	26.01
5.75	989.44	15.75	132.09	25.75	49.43	35.75	25.64
6.00	908.85	16.00	128.00	26.00	48.48	36.00	25.29
6.25	837.71	16.25	124.09	26.25	47.56	36.25	24.94
6.50	774.60	16.50	120.36	26.50	46.67	36.50	24.60
6.75	718.36	16.75	116.79	26.75	45.80	36.75	24.27
7.00	668.03	17.00	113.39	27.00	44.96	37.00	23.94
7.25	622.81	17.25	110.12	27.25	44.13	37.25	23.62
7.50	582.03	17.50	107.00	27.50	43.34	37.50	23.31
7.75	545.12	17.75	104.01	27.75	42.56	37.75	23.00
8.00	511.62	18.00	101.14	28.00	41.80	38.00	22.70
8.25	481.11	18.25	98.39	28.25	41.07	38.25	22.40
8.50	453.25	18.50	95.75	28.50	40.35	38.50	22.11
8.75	427.74	18.75	93.21	28.75	39.65	38.75	21.83
9.00	404.32	19.00	90.77	29.00	38.97	39.00	21.55
9.25	382.78	19.25	88.43	29.25	38.31	39.25	21.27
9.50	362.91	19.50	86.18	29.50	37.66	39.50	21.01
9.75	344.55	19.75	84.01	29.75	37.03	39.75	20.74
10.00	327.55	20.00	81.93	30.00	36.41	40.00	20.48

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 15 – 60%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 1000% reflections)

Meters 1 Collector Meter - 7 SMART Meters

Time Avg: 60% % Reflection 1000%

Distance where limits are exceeded

FCC ft. 7.24 86.88 Inches

BioInitiative ft. 573.00 6876.00 Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	20.23	54.25	11.14	68.25	7.04	82.25	4.84
40.50	19.98	54.50	11.03	68.50	6.98	82.50	4.82
40.75	19.74	54.75	10.93	68.75	6.93	82.75	4.79
41.00	19.50	55.00	10.83	69.00	6.88	83.00	4.76
41.25	19.26	55.25	10.74	69.25	6.83	83.25	4.73
41.50	19.03	55.50	10.64	69.50	6.79	83.50	4.70
41.75	18.80	55.75	10.55	69.75	6.74	83.75	4.67
42.00	18.58	56.00	10.45	70.00	6.69	84.00	4.64
42.25	18.36	56.25	10.36	70.25	6.64	84.25	4.62
42.50	18.14	56.50	10.27	70.50	6.59	84.50	4.59
42.75	17.93	56.75	10.18	70.75	6.55	84.75	4.56
43.00	17.73	57.00	10.09	71.00	6.50	85.00	4.54
43.25	17.52	57.25	10.00	71.25	6.46	85.25	4.51
43.50	17.32	57.50	9.91	71.50	6.41	85.50	4.48
43.75	17.12	57.75	9.83	71.75	6.37	85.75	4.46
44.00	16.93	58.00	9.74	72.00	6.32	86.00	4.43
44.25	16.74	58.25	9.66	72.25	6.28	86.25	4.41
44.50	16.55	58.50	9.58	72.50	6.24	86.50	4.38
44.75	16.37	58.75	9.50	72.75	6.19	86.75	4.36
45.00	16.18	59.00	9.42	73.00	6.15	87.00	4.33
45.25	16.01	59.25	9.34	73.25	6.11	87.25	4.31
45.50	15.83	59.50	9.26	73.50	6.07	87.50	4.28
45.75	15.66	59.75	9.18	73.75	6.03	87.75	4.26
46.00	15.49	60.00	9.10	74.00	5.99	88.00	4.23
46.25	15.32	60.25	9.03	74.25	5.94	88.25	4.21
46.50	15.16	60.50	8.95	74.50	5.91	88.50	4.18
46.75	15.00	60.75	8.88	74.75	5.87	88.75	4.16
47.00	14.84	61.00	8.81	75.00	5.83	89.00	4.14
47.25	14.68	61.25	8.74	75.25	5.79	89.25	4.11
47.50	14.53	61.50	8.67	75.50	5.75	89.50	4.09
47.75	14.37	61.75	8.60	75.75	5.71	89.75	4.07
48.00	14.23	62.00	8.53	76.00	5.67	90.00	4.05
48.25	14.08	62.25	8.46	76.25	5.64	90.25	4.02
48.50	13.93	62.50	8.39	76.50	5.60	90.50	4.00
48.75	13.79	62.75	8.32	76.75	5.56	90.75	3.98
49.00	13.65	63.00	8.26	77.00	5.53	91.00	3.96
49.25	13.51	63.25	8.19	77.25	5.49	91.25	3.94
49.50	13.38	63.50	8.13	77.50	5.46	91.50	3.91
49.75	13.24	63.75	8.06	77.75	5.42	91.75	3.89
50.00	13.11	64.00	8.00	78.00	5.39	92.00	3.87
50.25	12.98	64.25	7.94	78.25	5.35	92.25	3.85
50.50	12.85	64.50	7.88	78.50	5.32	92.50	3.83
50.75	12.73	64.75	7.82	78.75	5.28	92.75	3.81
51.00	12.60	65.00	7.76	79.00	5.25	93.00	3.79
51.25	12.48	65.25	7.70	79.25	5.22	93.25	3.77
51.50	12.36	65.50	7.64	79.50	5.19	93.50	3.75
51.75	12.24	65.75	7.58	79.75	5.15	93.75	3.73
52.00	12.12	66.00	7.52	80.00	5.12	94.00	3.71
52.25	12.01	66.25	7.47	80.25	5.09	94.25	3.69
52.50	11.89	66.50	7.41	80.50	5.06	94.50	3.67
52.75	11.78	66.75	7.36	80.75	5.03	94.75	3.65
53.00	11.67	67.00	7.30	81.00	5.00	95.00	3.63
53.25	11.56	67.25	7.25	81.25	4.96	95.25	3.61
53.50	11.45	67.50	7.19	81.50	4.93	95.50	3.59
53.75	11.34	67.75	7.14	81.75	4.90	95.75	3.57
54.00	11.24	68.00	7.09	82.00	4.87	96.00	3.56

Table 15 – 60%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 1000% reflections)

Meters 1 Collector Meter - 7 SMART Meters

Time Avg: 70% % Reflection 1000%

Distance where limits are exceeded			
FCC ft.	7.82	93.9	Inches
BioInitiative ft.	618.00	7416.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	305903.32	10.25	363.74	20.25	93.23	30.25	41.78
0.50	122361.33	10.50	346.63	20.50	90.97	30.50	41.10
0.75	61180.66	10.75	330.71	20.75	88.80	30.75	40.44
1.00	35988.63	11.00	315.85	21.00	86.70	31.00	39.79
1.25	23531.02	11.25	301.98	21.25	84.67	31.25	39.15
1.50	16535.31	11.50	289.00	21.50	82.71	31.50	38.53
1.75	12236.13	11.75	276.84	21.75	80.82	31.75	37.93
2.00	9412.41	12.00	265.43	22.00	78.99	32.00	37.34
2.25	7461.06	12.25	254.71	22.25	77.23	32.25	36.76
2.50	6057.49	12.50	244.62	22.50	75.52	32.50	36.20
2.75	5014.81	12.75	235.13	22.75	73.87	32.75	35.65
3.00	4219.36	13.00	226.18	23.00	72.27	33.00	35.11
3.25	3598.86	13.25	217.72	23.25	70.73	33.25	34.58
3.50	3105.62	13.50	209.74	23.50	69.23	33.50	34.07
3.75	2707.11	13.75	202.18	23.75	67.78	33.75	33.57
4.00	2380.57	14.00	195.03	24.00	66.38	34.00	33.08
4.25	2109.68	14.25	188.25	24.25	65.02	34.25	32.59
4.50	1882.48	14.50	181.81	24.50	63.70	34.50	32.12
4.75	1690.07	14.75	175.71	24.75	62.42	34.75	31.66
5.00	1525.70	15.00	169.90	25.00	61.17	35.00	31.21
5.25	1384.18	15.25	164.38	25.25	59.97	35.25	30.77
5.50	1261.46	15.50	159.12	25.50	58.80	35.50	30.34
5.75	1154.35	15.75	154.11	25.75	57.66	35.75	29.92
6.00	1060.32	16.00	149.33	26.00	56.56	36.00	29.50
6.25	977.33	16.25	144.77	26.25	55.49	36.25	29.10
6.50	903.70	16.50	140.42	26.50	54.45	36.50	28.70
6.75	838.09	16.75	136.26	26.75	53.43	36.75	28.31
7.00	779.37	17.00	132.28	27.00	52.45	37.00	27.93
7.25	726.61	17.25	128.48	27.25	51.49	37.25	27.56
7.50	679.03	17.50	124.83	27.50	50.56	37.50	27.19
7.75	635.97	17.75	121.34	27.75	49.65	37.75	26.83
8.00	596.88	18.00	118.00	28.00	48.77	38.00	26.48
8.25	561.29	18.25	114.79	28.25	47.91	38.25	26.13
8.50	528.79	18.50	111.70	28.50	47.07	38.50	25.80
8.75	499.03	18.75	108.75	28.75	46.26	38.75	25.46
9.00	471.71	19.00	105.90	29.00	45.46	39.00	25.14
9.25	446.57	19.25	103.17	29.25	44.69	39.25	24.82
9.50	423.40	19.50	100.54	29.50	43.94	39.50	24.51
9.75	401.98	19.75	98.01	29.75	43.20	39.75	24.20
10.00	382.14	20.00	95.58	30.00	42.48	40.00	23.90

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 15 – 70%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 1000% reflections)

Meters 1 Collector Meter - 7 SMART Meters
Time Avg: 70% % Reflection 1000%

Distance where limits are exceeded

FCC ft. 7.82	93.85 Inches		
BioInitiative ft. 618.00	7416.00 Inches		

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	23.60	54.25	12.99	68.25	8.21	82.25	5.65
40.50	23.31	54.50	12.87	68.50	8.15	82.50	5.62
40.75	23.03	54.75	12.76	68.75	8.09	82.75	5.58
41.00	22.75	55.00	12.64	69.00	8.03	83.00	5.55
41.25	22.47	55.25	12.53	69.25	7.97	83.25	5.52
41.50	22.20	55.50	12.41	69.50	7.92	83.50	5.48
41.75	21.94	55.75	12.30	69.75	7.86	83.75	5.45
42.00	21.68	56.00	12.19	70.00	7.80	84.00	5.42
42.25	21.42	56.25	12.08	70.25	7.75	84.25	5.39
42.50	21.17	56.50	11.98	70.50	7.69	84.50	5.36
42.75	20.92	56.75	11.87	70.75	7.64	84.75	5.32
43.00	20.68	57.00	11.77	71.00	7.59	85.00	5.29
43.25	20.44	57.25	11.67	71.25	7.53	85.25	5.26
43.50	20.21	57.50	11.57	71.50	7.48	85.50	5.23
43.75	19.98	57.75	11.47	71.75	7.43	85.75	5.20
44.00	19.75	58.00	11.37	72.00	7.38	86.00	5.17
44.25	19.53	58.25	11.27	72.25	7.33	86.25	5.14
44.50	19.31	58.50	11.17	72.50	7.27	86.50	5.11
44.75	19.09	58.75	11.08	72.75	7.22	86.75	5.08
45.00	18.88	59.00	10.98	73.00	7.18	87.00	5.05
45.25	18.67	59.25	10.89	73.25	7.13	87.25	5.02
45.50	18.47	59.50	10.80	73.50	7.08	87.50	4.99
45.75	18.27	59.75	10.71	73.75	7.03	87.75	4.97
46.00	18.07	60.00	10.62	74.00	6.98	88.00	4.94
46.25	17.88	60.25	10.53	74.25	6.94	88.25	4.91
46.50	17.68	60.50	10.45	74.50	6.89	88.50	4.88
46.75	17.50	60.75	10.36	74.75	6.84	88.75	4.85
47.00	17.31	61.00	10.28	75.00	6.80	89.00	4.83
47.25	17.13	61.25	10.19	75.25	6.75	89.25	4.80
47.50	16.95	61.50	10.11	75.50	6.71	89.50	4.77
47.75	16.77	61.75	10.03	75.75	6.66	89.75	4.75
48.00	16.60	62.00	9.95	76.00	6.62	90.00	4.72
48.25	16.42	62.25	9.87	76.25	6.58	90.25	4.69
48.50	16.26	62.50	9.79	76.50	6.53	90.50	4.67
48.75	16.09	62.75	9.71	76.75	6.49	90.75	4.64
49.00	15.93	63.00	9.63	77.00	6.45	91.00	4.62
49.25	15.76	63.25	9.56	77.25	6.41	91.25	4.59
49.50	15.61	63.50	9.48	77.50	6.37	91.50	4.57
49.75	15.45	63.75	9.41	77.75	6.33	91.75	4.54
50.00	15.29	64.00	9.34	78.00	6.28	92.00	4.52
50.25	15.14	64.25	9.26	78.25	6.24	92.25	4.49
50.50	14.99	64.50	9.19	78.50	6.21	92.50	4.47
50.75	14.85	64.75	9.12	78.75	6.17	92.75	4.44
51.00	14.70	65.00	9.05	79.00	6.13	93.00	4.42
51.25	14.56	65.25	8.98	79.25	6.09	93.25	4.40
51.50	14.42	65.50	8.91	79.50	6.05	93.50	4.37
51.75	14.28	65.75	8.84	79.75	6.01	93.75	4.35
52.00	14.14	66.00	8.78	80.00	5.97	94.00	4.33
52.25	14.01	66.25	8.71	80.25	5.94	94.25	4.30
52.50	13.87	66.50	8.65	80.50	5.90	94.50	4.28
52.75	13.74	66.75	8.58	80.75	5.86	94.75	4.26
53.00	13.61	67.00	8.52	81.00	5.83	95.00	4.24
53.25	13.48	67.25	8.45	81.25	5.79	95.25	4.21
53.50	13.36	67.50	8.39	81.50	5.76	95.50	4.19
53.75	13.24	67.75	8.33	81.75	5.72	95.75	4.17
54.00	13.11	68.00	8.27	82.00	5.69	96.00	4.15

Table 15 – 70%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 1000% reflections)

Meters 1 Collector Meter - 7 SMART Meters

Time Avg: 80% % Reflection 1000%

Distance where limits are exceeded			
FCC ft.	8.36	100.3	Inches
BioInitiative ft.	660.00	7920.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	349603.80	10.25	415.70	20.25	106.55	30.25	47.75
0.50	139841.52	10.50	396.15	20.50	103.97	30.50	46.97
0.75	69920.76	10.75	377.95	20.75	101.48	30.75	46.21
1.00	41129.86	11.00	360.97	21.00	99.08	31.00	45.47
1.25	26892.60	11.25	345.12	21.25	96.76	31.25	44.75
1.50	18897.50	11.50	330.28	21.50	94.53	31.50	44.04
1.75	13984.15	11.75	316.38	21.75	92.37	31.75	43.35
2.00	10757.04	12.00	303.34	22.00	90.28	32.00	42.67
2.25	8526.92	12.25	291.09	22.25	88.26	32.25	42.01
2.50	6922.85	12.50	279.57	22.50	86.31	32.50	41.37
2.75	5731.21	12.75	268.72	22.75	84.42	32.75	40.74
3.00	4822.12	13.00	258.49	23.00	82.60	33.00	40.13
3.25	4112.99	13.25	248.83	23.25	80.83	33.25	39.53
3.50	3549.28	13.50	239.70	23.50	79.12	33.50	38.94
3.75	3093.84	13.75	231.07	23.75	77.47	33.75	38.36
4.00	2720.65	14.00	222.89	24.00	75.86	34.00	37.80
4.25	2411.06	14.25	215.14	24.25	74.30	34.25	37.25
4.50	2151.41	14.50	207.79	24.50	72.80	34.50	36.71
4.75	1931.51	14.75	200.81	24.75	71.33	34.75	36.19
5.00	1743.66	15.00	194.17	25.00	69.91	35.00	35.67
5.25	1581.92	15.25	187.86	25.25	68.54	35.25	35.17
5.50	1441.67	15.50	181.85	25.50	67.20	35.50	34.67
5.75	1319.26	15.75	176.12	25.75	65.90	35.75	34.19
6.00	1211.80	16.00	170.66	26.00	64.64	36.00	33.72
6.25	1116.95	16.25	165.45	26.25	63.41	36.25	33.25
6.50	1032.80	16.50	160.48	26.50	62.22	36.50	32.80
6.75	957.82	16.75	155.73	26.75	61.07	36.75	32.36
7.00	890.71	17.00	151.18	27.00	59.94	37.00	31.92
7.25	830.41	17.25	146.83	27.25	58.85	37.25	31.49
7.50	776.04	17.50	142.67	27.50	57.78	37.50	31.07
7.75	726.83	17.75	138.68	27.75	56.74	37.75	30.66
8.00	682.15	18.00	134.85	28.00	55.74	38.00	30.26
8.25	641.47	18.25	131.18	28.25	54.75	38.25	29.87
8.50	604.33	18.50	127.66	28.50	53.80	38.50	29.48
8.75	570.32	18.75	124.28	28.75	52.87	38.75	29.10
9.00	539.10	19.00	121.03	29.00	51.96	39.00	28.73
9.25	510.37	19.25	117.91	29.25	51.07	39.25	28.37
9.50	483.88	19.50	114.91	29.50	50.21	39.50	28.01
9.75	459.40	19.75	112.02	29.75	49.37	39.75	27.66
10.00	436.73	20.00	109.23	30.00	48.55	40.00	27.31

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 15 – 80%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 1000% reflections)

Meters 1 Collector Meter - 7 SMART Meters

Time Avg: 80% % Reflection 1000%

Distance where limits are exceeded

FCC ft. 8.36	100.33 Inches		
BioInitiative ft. 660.00	7920.00 Inches		

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	26.97	54.25	14.85	68.25	9.38	82.25	6.46
40.50	26.64	54.50	14.71	68.50	9.31	82.50	6.42
40.75	26.32	54.75	14.58	68.75	9.25	82.75	6.38
41.00	26.00	55.00	14.45	69.00	9.18	83.00	6.34
41.25	25.68	55.25	14.32	69.25	9.11	83.25	6.31
41.50	25.37	55.50	14.19	69.50	9.05	83.50	6.27
41.75	25.07	55.75	14.06	69.75	8.98	83.75	6.23
42.00	24.77	56.00	13.93	70.00	8.92	84.00	6.19
42.25	24.48	56.25	13.81	70.25	8.85	84.25	6.16
42.50	24.19	56.50	13.69	70.50	8.79	84.50	6.12
42.75	23.91	56.75	13.57	70.75	8.73	84.75	6.08
43.00	23.63	57.00	13.45	71.00	8.67	85.00	6.05
43.25	23.36	57.25	13.33	71.25	8.61	85.25	6.01
43.50	23.09	57.50	13.22	71.50	8.55	85.50	5.98
43.75	22.83	57.75	13.10	71.75	8.49	85.75	5.94
44.00	22.57	58.00	12.99	72.00	8.43	86.00	5.91
44.25	22.32	58.25	12.88	72.25	8.37	86.25	5.87
44.50	22.07	58.50	12.77	72.50	8.31	86.50	5.84
44.75	21.82	58.75	12.66	72.75	8.26	86.75	5.81
45.00	21.58	59.00	12.55	73.00	8.20	87.00	5.77
45.25	21.34	59.25	12.45	73.25	8.14	87.25	5.74
45.50	21.11	59.50	12.34	73.50	8.09	87.50	5.71
45.75	20.88	59.75	12.24	73.75	8.03	87.75	5.68
46.00	20.65	60.00	12.14	74.00	7.98	88.00	5.64
46.25	20.43	60.25	12.04	74.25	7.93	88.25	5.61
46.50	20.21	60.50	11.94	74.50	7.87	88.50	5.58
46.75	19.99	60.75	11.84	74.75	7.82	88.75	5.55
47.00	19.78	61.00	11.74	75.00	7.77	89.00	5.52
47.25	19.57	61.25	11.65	75.25	7.72	89.25	5.49
47.50	19.37	61.50	11.55	75.50	7.67	89.50	5.46
47.75	19.17	61.75	11.46	75.75	7.62	89.75	5.43
48.00	18.97	62.00	11.37	76.00	7.57	90.00	5.40
48.25	18.77	62.25	11.28	76.25	7.52	90.25	5.37
48.50	18.58	62.50	11.19	76.50	7.47	90.50	5.34
48.75	18.39	62.75	11.10	76.75	7.42	90.75	5.31
49.00	18.20	63.00	11.01	77.00	7.37	91.00	5.28
49.25	18.02	63.25	10.92	77.25	7.32	91.25	5.25
49.50	17.83	63.50	10.84	77.50	7.28	91.50	5.22
49.75	17.66	63.75	10.75	77.75	7.23	91.75	5.19
50.00	17.48	64.00	10.67	78.00	7.18	92.00	5.16
50.25	17.31	64.25	10.59	78.25	7.14	92.25	5.14
50.50	17.14	64.50	10.50	78.50	7.09	92.50	5.11
50.75	16.97	64.75	10.42	78.75	7.05	92.75	5.08
51.00	16.80	65.00	10.34	79.00	7.00	93.00	5.05
51.25	16.64	65.25	10.26	79.25	6.96	93.25	5.03
51.50	16.48	65.50	10.19	79.50	6.91	93.50	5.00
51.75	16.32	65.75	10.11	79.75	6.87	93.75	4.97
52.00	16.16	66.00	10.03	80.00	6.83	94.00	4.95
52.25	16.01	66.25	9.96	80.25	6.79	94.25	4.92
52.50	15.85	66.50	9.88	80.50	6.74	94.50	4.89
52.75	15.70	66.75	9.81	80.75	6.70	94.75	4.87
53.00	15.56	67.00	9.73	81.00	6.66	95.00	4.84
53.25	15.41	67.25	9.66	81.25	6.62	95.25	4.82
53.50	15.27	67.50	9.59	81.50	6.58	95.50	4.79
53.75	15.13	67.75	9.52	81.75	6.54	95.75	4.77
54.00	14.99	68.00	9.45	82.00	6.50	96.00	4.74

Table 15 – 80%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 1000% reflections)

Meters 1 Collector Meter - 7 SMART Meters

Time Avg: 90% % Reflection 1000%

Distance where limits are exceeded			
FCC ft.	8.87	106.4	Inches
BioInitiative ft.	700.00	8400.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	393304.27	10.25	467.66	20.25	119.87	30.25	53.72
0.50	157321.71	10.50	445.67	20.50	116.97	30.50	52.85
0.75	78660.85	10.75	425.19	20.75	114.17	30.75	51.99
1.00	46271.09	11.00	406.10	21.00	111.47	31.00	51.15
1.25	30254.17	11.25	388.26	21.25	108.86	31.25	50.34
1.50	21259.69	11.50	371.57	21.50	106.34	31.50	49.54
1.75	15732.17	11.75	355.93	21.75	103.91	31.75	48.77
2.00	12101.67	12.00	341.26	22.00	101.56	32.00	48.01
2.25	9592.79	12.25	327.48	22.25	99.29	32.25	47.27
2.50	7788.20	12.50	314.52	22.50	97.10	32.50	46.54
2.75	6447.61	12.75	302.31	22.75	94.98	32.75	45.83
3.00	5424.89	13.00	290.80	23.00	92.92	33.00	45.14
3.25	4627.11	13.25	279.93	23.25	90.94	33.25	44.47
3.50	3992.94	13.50	269.66	23.50	89.01	33.50	43.81
3.75	3480.57	13.75	259.95	23.75	87.15	33.75	43.16
4.00	3060.73	14.00	250.75	24.00	85.34	34.00	42.53
4.25	2712.44	14.25	242.03	24.25	83.59	34.25	41.91
4.50	2420.33	14.50	233.76	24.50	81.90	34.50	41.30
4.75	2172.95	14.75	225.91	24.75	80.25	34.75	40.71
5.00	1961.62	15.00	218.44	25.00	78.65	35.00	40.13
5.25	1779.66	15.25	211.34	25.25	77.10	35.25	39.56
5.50	1621.87	15.50	204.58	25.50	75.60	35.50	39.01
5.75	1484.17	15.75	198.14	25.75	74.14	35.75	38.46
6.00	1363.27	16.00	192.00	26.00	72.72	36.00	37.93
6.25	1256.56	16.25	186.14	26.25	71.34	36.25	37.41
6.50	1161.90	16.50	180.54	26.50	70.00	36.50	36.90
6.75	1077.55	16.75	175.19	26.75	68.70	36.75	36.40
7.00	1002.05	17.00	170.08	27.00	67.43	37.00	35.91
7.25	934.21	17.25	165.18	27.25	66.20	37.25	35.43
7.50	873.04	17.50	160.50	27.50	65.00	37.50	34.96
7.75	817.68	17.75	156.01	27.75	63.84	37.75	34.50
8.00	767.42	18.00	151.71	28.00	62.70	38.00	34.04
8.25	721.66	18.25	147.58	28.25	61.60	38.25	33.60
8.50	679.87	18.50	143.62	28.50	60.52	38.50	33.17
8.75	641.61	18.75	139.82	28.75	59.47	38.75	32.74
9.00	606.48	19.00	136.16	29.00	58.45	39.00	32.32
9.25	574.17	19.25	132.65	29.25	57.46	39.25	31.91
9.50	544.37	19.50	129.27	29.50	56.49	39.50	31.51
9.75	516.83	19.75	126.02	29.75	55.54	39.75	31.11
10.00	491.32	20.00	122.89	30.00	54.62	40.00	30.73

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 15 – 90%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 1000% reflections)

Meters 1 Collector Meter - 7 SMART Meters
Time Avg: 90% % Reflection 1000%

Distance where limits are exceeded

FCC ft. 8.87	106.43 Inches		
BioInitiative ft. 700.00	8400.00 Inches		

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	30.35	54.25	16.70	68.25	10.55	82.25	7.27
40.50	29.97	54.50	16.55	68.50	10.48	82.50	7.22
40.75	29.61	54.75	16.40	68.75	10.40	82.75	7.18
41.00	29.25	55.00	16.25	69.00	10.33	83.00	7.14
41.25	28.89	55.25	16.11	69.25	10.25	83.25	7.09
41.50	28.54	55.50	15.96	69.50	10.18	83.50	7.05
41.75	28.20	55.75	15.82	69.75	10.11	83.75	7.01
42.00	27.87	56.00	15.68	70.00	10.03	84.00	6.97
42.25	27.54	56.25	15.54	70.25	9.96	84.25	6.93
42.50	27.22	56.50	15.40	70.50	9.89	84.50	6.89
42.75	26.90	56.75	15.27	70.75	9.82	84.75	6.84
43.00	26.59	57.00	15.13	71.00	9.75	85.00	6.80
43.25	26.28	57.25	15.00	71.25	9.68	85.25	6.76
43.50	25.98	57.50	14.87	71.50	9.62	85.50	6.73
43.75	25.68	57.75	14.74	71.75	9.55	85.75	6.69
44.00	25.39	58.00	14.61	72.00	9.48	86.00	6.65
44.25	25.11	58.25	14.49	72.25	9.42	86.25	6.61
44.50	24.83	58.50	14.37	72.50	9.35	86.50	6.57
44.75	24.55	58.75	14.24	72.75	9.29	86.75	6.53
45.00	24.28	59.00	14.12	73.00	9.23	87.00	6.50
45.25	24.01	59.25	14.00	73.25	9.16	87.25	6.46
45.50	23.75	59.50	13.89	73.50	9.10	87.50	6.42
45.75	23.49	59.75	13.77	73.75	9.04	87.75	6.38
46.00	23.23	60.00	13.66	74.00	8.98	88.00	6.35
46.25	22.98	60.25	13.54	74.25	8.92	88.25	6.31
46.50	22.74	60.50	13.43	74.50	8.86	88.50	6.28
46.75	22.49	60.75	13.32	74.75	8.80	88.75	6.24
47.00	22.26	61.00	13.21	75.00	8.74	89.00	6.21
47.25	22.02	61.25	13.10	75.25	8.68	89.25	6.17
47.50	21.79	61.50	13.00	75.50	8.62	89.50	6.14
47.75	21.56	61.75	12.89	75.75	8.57	89.75	6.10
48.00	21.34	62.00	12.79	76.00	8.51	90.00	6.07
48.25	21.12	62.25	12.69	76.25	8.46	90.25	6.04
48.50	20.90	62.50	12.59	76.50	8.40	90.50	6.00
48.75	20.69	62.75	12.49	76.75	8.35	90.75	5.97
49.00	20.48	63.00	12.39	77.00	8.29	91.00	5.94
49.25	20.27	63.25	12.29	77.25	8.24	91.25	5.90
49.50	20.06	63.50	12.19	77.50	8.19	91.50	5.87
49.75	19.86	63.75	12.10	77.75	8.13	91.75	5.84
50.00	19.66	64.00	12.00	78.00	8.08	92.00	5.81
50.25	19.47	64.25	11.91	78.25	8.03	92.25	5.78
50.50	19.28	64.50	11.82	78.50	7.98	92.50	5.75
50.75	19.09	64.75	11.73	78.75	7.93	92.75	5.71
51.00	18.90	65.00	11.64	79.00	7.88	93.00	5.68
51.25	18.72	65.25	11.55	79.25	7.83	93.25	5.65
51.50	18.54	65.50	11.46	79.50	7.78	93.50	5.62
51.75	18.36	65.75	11.37	79.75	7.73	93.75	5.59
52.00	18.18	66.00	11.29	80.00	7.68	94.00	5.56
52.25	18.01	66.25	11.20	80.25	7.63	94.25	5.53
52.50	17.84	66.50	11.12	80.50	7.59	94.50	5.51
52.75	17.67	66.75	11.03	80.75	7.54	94.75	5.48
53.00	17.50	67.00	10.95	81.00	7.49	95.00	5.45
53.25	17.34	67.25	10.87	81.25	7.45	95.25	5.42
53.50	17.18	67.50	10.79	81.50	7.40	95.50	5.39
53.75	17.02	67.75	10.71	81.75	7.36	95.75	5.36
54.00	16.86	68.00	10.63	82.00	7.31	96.00	5.33

Table 15 – 90%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 1000% reflections)

Meters 1 Collector Meter - 7 SMART Meters

Time Avg: 100% % Reflection 1000%

Distance where limits are exceeded			
FCC ft.	9.35	112.2	Inches
BioInitiative ft.	740.00	8880.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	437004.74	10.25	519.63	20.25	133.19	30.25	59.69
0.50	174801.90	10.50	495.19	20.50	129.96	30.50	58.72
0.75	87400.95	10.75	472.44	20.75	126.85	30.75	57.77
1.00	51412.32	11.00	451.22	21.00	123.85	31.00	56.84
1.25	33615.75	11.25	431.40	21.25	120.95	31.25	55.93
1.50	23621.88	11.50	412.85	21.50	118.16	31.50	55.05
1.75	17480.19	11.75	395.48	21.75	115.46	31.75	54.19
2.00	13446.30	12.00	379.18	22.00	112.85	32.00	53.34
2.25	10658.65	12.25	363.87	22.25	110.33	32.25	52.52
2.50	8653.56	12.50	349.46	22.50	107.89	32.50	51.71
2.75	7164.01	12.75	335.90	22.75	105.53	32.75	50.93
3.00	6027.65	13.00	323.11	23.00	103.25	33.00	50.16
3.25	5141.23	13.25	311.04	23.25	101.04	33.25	49.41
3.50	4436.60	13.50	299.63	23.50	98.90	33.50	48.67
3.75	3867.30	13.75	288.83	23.75	96.83	33.75	47.95
4.00	3400.82	14.00	278.61	24.00	94.83	34.00	47.25
4.25	3013.83	14.25	268.93	24.25	92.88	34.25	46.56
4.50	2689.26	14.50	259.74	24.50	91.00	34.50	45.89
4.75	2414.39	14.75	251.01	24.75	89.17	34.75	45.23
5.00	2179.57	15.00	242.71	25.00	87.39	35.00	44.59
5.25	1977.40	15.25	234.82	25.25	85.67	35.25	43.96
5.50	1802.08	15.50	227.31	25.50	84.00	35.50	43.34
5.75	1649.07	15.75	220.15	25.75	82.38	35.75	42.74
6.00	1514.75	16.00	213.33	26.00	80.80	36.00	42.15
6.25	1396.18	16.25	206.82	26.25	79.27	36.25	41.57
6.50	1291.00	16.50	200.60	26.50	77.78	36.50	41.00
6.75	1197.27	16.75	194.66	26.75	76.33	36.75	40.44
7.00	1113.39	17.00	188.98	27.00	74.93	37.00	39.90
7.25	1038.02	17.25	183.54	27.25	73.56	37.25	39.37
7.50	970.04	17.50	178.33	27.50	72.23	37.50	38.84
7.75	908.53	17.75	173.35	27.75	70.93	37.75	38.33
8.00	852.69	18.00	168.56	28.00	69.67	38.00	37.83
8.25	801.84	18.25	163.98	28.25	68.44	38.25	37.33
8.50	755.41	18.50	159.58	28.50	67.25	38.50	36.85
8.75	712.90	18.75	155.35	28.75	66.08	38.75	36.38
9.00	673.87	19.00	151.29	29.00	64.95	39.00	35.91
9.25	637.96	19.25	147.39	29.25	63.84	39.25	35.46
9.50	604.85	19.50	143.63	29.50	62.77	39.50	35.01
9.75	574.25	19.75	140.02	29.75	61.72	39.75	34.57
10.00	545.91	20.00	136.54	30.00	60.69	40.00	34.14

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 15 – 100%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 1000% reflections)

Meters 1 Collector Meter - 7 SMART Meters
Time Avg: 100% % Reflection 1000%

Distance where limits are exceeded			
FCC ft. 9.35		112.19 Inches	
BioInitiative ft. 740.00		8880.00 Inches	

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	33.72	54.25	18.56	68.25	11.73	82.25	8.07
40.50	33.30	54.50	18.39	68.50	11.64	82.50	8.03
40.75	32.89	54.75	18.22	68.75	11.56	82.75	7.98
41.00	32.49	55.00	18.06	69.00	11.47	83.00	7.93
41.25	32.10	55.25	17.89	69.25	11.39	83.25	7.88
41.50	31.72	55.50	17.73	69.50	11.31	83.50	7.83
41.75	31.34	55.75	17.58	69.75	11.23	83.75	7.79
42.00	30.97	56.00	17.42	70.00	11.15	84.00	7.74
42.25	30.60	56.25	17.26	70.25	11.07	84.25	7.70
42.50	30.24	56.50	17.11	70.50	10.99	84.50	7.65
42.75	29.89	56.75	16.96	70.75	10.91	84.75	7.61
43.00	29.54	57.00	16.81	71.00	10.84	85.00	7.56
43.25	29.20	57.25	16.67	71.25	10.76	85.25	7.52
43.50	28.87	57.50	16.52	71.50	10.69	85.50	7.47
43.75	28.54	57.75	16.38	71.75	10.61	85.75	7.43
44.00	28.21	58.00	16.24	72.00	10.54	86.00	7.39
44.25	27.90	58.25	16.10	72.25	10.46	86.25	7.34
44.50	27.58	58.50	15.96	72.50	10.39	86.50	7.30
44.75	27.28	58.75	15.83	72.75	10.32	86.75	7.26
45.00	26.97	59.00	15.69	73.00	10.25	87.00	7.22
45.25	26.68	59.25	15.56	73.25	10.18	87.25	7.18
45.50	26.39	59.50	15.43	73.50	10.11	87.50	7.13
45.75	26.10	59.75	15.30	73.75	10.04	87.75	7.09
46.00	25.81	60.00	15.17	74.00	9.98	88.00	7.05
46.25	25.54	60.25	15.05	74.25	9.91	88.25	7.01
46.50	25.26	60.50	14.92	74.50	9.84	88.50	6.97
46.75	24.99	60.75	14.80	74.75	9.78	88.75	6.94
47.00	24.73	61.00	14.68	75.00	9.71	89.00	6.90
47.25	24.47	61.25	14.56	75.25	9.65	89.25	6.86
47.50	24.21	61.50	14.44	75.50	9.58	89.50	6.82
47.75	23.96	61.75	14.33	75.75	9.52	89.75	6.78
48.00	23.71	62.00	14.21	76.00	9.46	90.00	6.74
48.25	23.46	62.25	14.10	76.25	9.40	90.25	6.71
48.50	23.22	62.50	13.98	76.50	9.33	90.50	6.67
48.75	22.98	62.75	13.87	76.75	9.27	90.75	6.63
49.00	22.75	63.00	13.76	77.00	9.21	91.00	6.60
49.25	22.52	63.25	13.65	77.25	9.15	91.25	6.56
49.50	22.29	63.50	13.55	77.50	9.09	91.50	6.52
49.75	22.07	63.75	13.44	77.75	9.04	91.75	6.49
50.00	21.85	64.00	13.34	78.00	8.98	92.00	6.45
50.25	21.63	64.25	13.23	78.25	8.92	92.25	6.42
50.50	21.42	64.50	13.13	78.50	8.86	92.50	6.38
50.75	21.21	64.75	13.03	78.75	8.81	92.75	6.35
51.00	21.00	65.00	12.93	79.00	8.75	93.00	6.32
51.25	20.80	65.25	12.83	79.25	8.70	93.25	6.28
51.50	20.60	65.50	12.73	79.50	8.64	93.50	6.25
51.75	20.40	65.75	12.64	79.75	8.59	93.75	6.22
52.00	20.20	66.00	12.54	80.00	8.54	94.00	6.18
52.25	20.01	66.25	12.45	80.25	8.48	94.25	6.15
52.50	19.82	66.50	12.35	80.50	8.43	94.50	6.12
52.75	19.63	66.75	12.26	80.75	8.38	94.75	6.08
53.00	19.45	67.00	12.17	81.00	8.33	95.00	6.05
53.25	19.26	67.25	12.08	81.25	8.27	95.25	6.02
53.50	19.08	67.50	11.99	81.50	8.22	95.50	5.99
53.75	18.91	67.75	11.90	81.75	8.17	95.75	5.96
54.00	18.73	68.00	11.81	82.00	8.12	96.00	5.93

Table 15 – 100%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 2000% reflections)

Meters 1 Collector Meter - 7 SMART Meters

Time Avg: 1% % Reflection 2000%

Distance where limits are exceeded			
FCC ft.	1.77	21.2	Inches
BioInitiative ft.	141.00	1692.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	15927.20	10.25	18.94	20.25	4.85	30.25	2.18
0.50	6370.88	10.50	18.05	20.50	4.74	30.50	2.14
0.75	3185.44	10.75	17.22	20.75	4.62	30.75	2.11
1.00	1873.79	11.00	16.45	21.00	4.51	31.00	2.07
1.25	1225.17	11.25	15.72	21.25	4.41	31.25	2.04
1.50	860.93	11.50	15.05	21.50	4.31	31.50	2.01
1.75	637.09	11.75	14.41	21.75	4.21	31.75	1.97
2.00	490.07	12.00	13.82	22.00	4.11	32.00	1.94
2.25	388.47	12.25	13.26	22.25	4.02	32.25	1.91
2.50	315.39	12.50	12.74	22.50	3.93	32.50	1.88
2.75	261.10	12.75	12.24	22.75	3.85	32.75	1.86
3.00	219.69	13.00	11.78	23.00	3.76	33.00	1.83
3.25	187.38	13.25	11.34	23.25	3.68	33.25	1.80
3.50	161.70	13.50	10.92	23.50	3.60	33.50	1.77
3.75	140.95	13.75	10.53	23.75	3.53	33.75	1.75
4.00	123.95	14.00	10.15	24.00	3.46	34.00	1.72
4.25	109.84	14.25	9.80	24.25	3.39	34.25	1.70
4.50	98.01	14.50	9.47	24.50	3.32	34.50	1.67
4.75	88.00	14.75	9.15	24.75	3.25	34.75	1.65
5.00	79.44	15.00	8.85	25.00	3.19	35.00	1.63
5.25	72.07	15.25	8.56	25.25	3.12	35.25	1.60
5.50	65.68	15.50	8.28	25.50	3.06	35.50	1.58
5.75	60.10	15.75	8.02	25.75	3.00	35.75	1.56
6.00	55.21	16.00	7.78	26.00	2.94	36.00	1.54
6.25	50.89	16.25	7.54	26.25	2.89	36.25	1.52
6.50	47.05	16.50	7.31	26.50	2.83	36.50	1.49
6.75	43.64	16.75	7.09	26.75	2.78	36.75	1.47
7.00	40.58	17.00	6.89	27.00	2.73	37.00	1.45
7.25	37.83	17.25	6.69	27.25	2.68	37.25	1.43
7.50	35.35	17.50	6.50	27.50	2.63	37.50	1.42
7.75	33.11	17.75	6.32	27.75	2.59	37.75	1.40
8.00	31.08	18.00	6.14	28.00	2.54	38.00	1.38
8.25	29.22	18.25	5.98	28.25	2.49	38.25	1.36
8.50	27.53	18.50	5.82	28.50	2.45	38.50	1.34
8.75	25.98	18.75	5.66	28.75	2.41	38.75	1.33
9.00	24.56	19.00	5.51	29.00	2.37	39.00	1.31
9.25	23.25	19.25	5.37	29.25	2.33	39.25	1.29
9.50	22.04	19.50	5.23	29.50	2.29	39.50	1.28
9.75	20.93	19.75	5.10	29.75	2.25	39.75	1.26
10.00	19.90	20.00	4.98	30.00	2.21	40.00	1.24

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 16 – 1%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 2000% reflections)

Meters 1 Collector Meter - 7 SMART Meters

Time Avg: 1% % Reflection 2000%

Distance where limits are exceeded			
FCC ft. 1.77		21.21 Inches	
BioInitiative ft. 141.00		1692.00 Inches	

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	1.23	54.25	0.68	68.25	0.43	82.25	0.29
40.50	1.21	54.50	0.67	68.50	0.42	82.50	0.29
40.75	1.20	54.75	0.66	68.75	0.42	82.75	0.29
41.00	1.18	55.00	0.66	69.00	0.42	83.00	0.29
41.25	1.17	55.25	0.65	69.25	0.42	83.25	0.29
41.50	1.16	55.50	0.65	69.50	0.41	83.50	0.29
41.75	1.14	55.75	0.64	69.75	0.41	83.75	0.28
42.00	1.13	56.00	0.63	70.00	0.41	84.00	0.28
42.25	1.12	56.25	0.63	70.25	0.40	84.25	0.28
42.50	1.10	56.50	0.62	70.50	0.40	84.50	0.28
42.75	1.09	56.75	0.62	70.75	0.40	84.75	0.28
43.00	1.08	57.00	0.61	71.00	0.39	85.00	0.28
43.25	1.06	57.25	0.61	71.25	0.39	85.25	0.27
43.50	1.05	57.50	0.60	71.50	0.39	85.50	0.27
43.75	1.04	57.75	0.60	71.75	0.39	85.75	0.27
44.00	1.03	58.00	0.59	72.00	0.38	86.00	0.27
44.25	1.02	58.25	0.59	72.25	0.38	86.25	0.27
44.50	1.01	58.50	0.58	72.50	0.38	86.50	0.27
44.75	0.99	58.75	0.58	72.75	0.38	86.75	0.26
45.00	0.98	59.00	0.57	73.00	0.37	87.00	0.26
45.25	0.97	59.25	0.57	73.25	0.37	87.25	0.26
45.50	0.96	59.50	0.56	73.50	0.37	87.50	0.26
45.75	0.95	59.75	0.56	73.75	0.37	87.75	0.26
46.00	0.94	60.00	0.55	74.00	0.36	88.00	0.26
46.25	0.93	60.25	0.55	74.25	0.36	88.25	0.26
46.50	0.92	60.50	0.54	74.50	0.36	88.50	0.25
46.75	0.91	60.75	0.54	74.75	0.36	88.75	0.25
47.00	0.90	61.00	0.54	75.00	0.35	89.00	0.25
47.25	0.89	61.25	0.53	75.25	0.35	89.25	0.25
47.50	0.88	61.50	0.53	75.50	0.35	89.50	0.25
47.75	0.87	61.75	0.52	75.75	0.35	89.75	0.25
48.00	0.86	62.00	0.52	76.00	0.34	90.00	0.25
48.25	0.86	62.25	0.51	76.25	0.34	90.25	0.24
48.50	0.85	62.50	0.51	76.50	0.34	90.50	0.24
48.75	0.84	62.75	0.51	76.75	0.34	90.75	0.24
49.00	0.83	63.00	0.50	77.00	0.34	91.00	0.24
49.25	0.82	63.25	0.50	77.25	0.33	91.25	0.24
49.50	0.81	63.50	0.49	77.50	0.33	91.50	0.24
49.75	0.80	63.75	0.49	77.75	0.33	91.75	0.24
50.00	0.80	64.00	0.49	78.00	0.33	92.00	0.24
50.25	0.79	64.25	0.48	78.25	0.33	92.25	0.23
50.50	0.78	64.50	0.48	78.50	0.32	92.50	0.23
50.75	0.77	64.75	0.47	78.75	0.32	92.75	0.23
51.00	0.77	65.00	0.47	79.00	0.32	93.00	0.23
51.25	0.76	65.25	0.47	79.25	0.32	93.25	0.23
51.50	0.75	65.50	0.46	79.50	0.32	93.50	0.23
51.75	0.74	65.75	0.46	79.75	0.31	93.75	0.23
52.00	0.74	66.00	0.46	80.00	0.31	94.00	0.23
52.25	0.73	66.25	0.45	80.25	0.31	94.25	0.22
52.50	0.72	66.50	0.45	80.50	0.31	94.50	0.22
52.75	0.72	66.75	0.45	80.75	0.31	94.75	0.22
53.00	0.71	67.00	0.44	81.00	0.30	95.00	0.22
53.25	0.70	67.25	0.44	81.25	0.30	95.25	0.22
53.50	0.70	67.50	0.44	81.50	0.30	95.50	0.22
53.75	0.69	67.75	0.43	81.75	0.30	95.75	0.22
54.00	0.68	68.00	0.43	82.00	0.30	96.00	0.22

Table 16 – 1%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 2000% reflections)

Meters 1 Collector Meter - 7 SMART Meters

Time Avg: 10% % Reflection 2000%

Distance where limits are exceeded			
FCC ft.	5.64	67.7	Inches
BioInitiative ft.	447.00	5364.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	159271.98	10.25	189.38	20.25	48.54	30.25	21.76
0.50	63708.79	10.50	180.48	20.50	47.37	30.50	21.40
0.75	31854.40	10.75	172.19	20.75	46.23	30.75	21.05
1.00	18737.88	11.00	164.45	21.00	45.14	31.00	20.72
1.25	12251.69	11.25	157.23	21.25	44.08	31.25	20.39
1.50	8609.30	11.50	150.47	21.50	43.06	31.50	20.06
1.75	6370.88	11.75	144.14	21.75	42.08	31.75	19.75
2.00	4900.68	12.00	138.20	22.00	41.13	32.00	19.44
2.25	3884.68	12.25	132.62	22.25	40.21	32.25	19.14
2.50	3153.90	12.50	127.37	22.50	39.32	32.50	18.85
2.75	2611.02	12.75	122.42	22.75	38.46	32.75	18.56
3.00	2196.85	13.00	117.76	23.00	37.63	33.00	18.28
3.25	1873.79	13.25	113.36	23.25	36.83	33.25	18.01
3.50	1616.97	13.50	109.20	23.50	36.05	33.50	17.74
3.75	1409.49	13.75	105.27	23.75	35.29	33.75	17.48
4.00	1239.47	14.00	101.54	24.00	34.56	34.00	17.22
4.25	1098.43	14.25	98.01	24.25	33.85	34.25	16.97
4.50	980.14	14.50	94.66	24.50	33.16	34.50	16.73
4.75	879.96	14.75	91.48	24.75	32.50	34.75	16.49
5.00	794.37	15.00	88.46	25.00	31.85	35.00	16.25
5.25	720.69	15.25	85.58	25.25	31.22	35.25	16.02
5.50	656.79	15.50	82.85	25.50	30.61	35.50	15.80
5.75	601.03	15.75	80.24	25.75	30.02	35.75	15.58
6.00	552.07	16.00	77.75	26.00	29.45	36.00	15.36
6.25	508.86	16.25	75.38	26.25	28.89	36.25	15.15
6.50	470.52	16.50	73.11	26.50	28.35	36.50	14.94
6.75	436.36	16.75	70.95	26.75	27.82	36.75	14.74
7.00	405.79	17.00	68.87	27.00	27.31	37.00	14.54
7.25	378.32	17.25	66.89	27.25	26.81	37.25	14.35
7.50	353.54	17.50	65.00	27.50	26.32	37.50	14.16
7.75	331.13	17.75	63.18	27.75	25.85	37.75	13.97
8.00	310.77	18.00	61.44	28.00	25.39	38.00	13.79
8.25	292.24	18.25	59.76	28.25	24.94	38.25	13.61
8.50	275.32	18.50	58.16	28.50	24.51	38.50	13.43
8.75	259.82	18.75	56.62	28.75	24.08	38.75	13.26
9.00	245.60	19.00	55.14	29.00	23.67	39.00	13.09
9.25	232.51	19.25	53.72	29.25	23.27	39.25	12.92
9.50	220.45	19.50	52.35	29.50	22.88	39.50	12.76
9.75	209.29	19.75	51.03	29.75	22.49	39.75	12.60
10.00	198.97	20.00	49.76	30.00	22.12	40.00	12.44

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 16 – 10%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 2000% reflections)

Meters 1 Collector Meter - 7 SMART Meters
Time Avg: 10% % Reflection 2000%

Distance where limits are exceeded
FCC ft. 5.64 67.69 Inches
BioInitiative ft. 447.00 5364.00 Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	12.29	54.25	6.76	68.25	4.27	82.25	2.94
40.50	12.14	54.50	6.70	68.50	4.24	82.50	2.93
40.75	11.99	54.75	6.64	68.75	4.21	82.75	2.91
41.00	11.84	55.00	6.58	69.00	4.18	83.00	2.89
41.25	11.70	55.25	6.52	69.25	4.15	83.25	2.87
41.50	11.56	55.50	6.46	69.50	4.12	83.50	2.86
41.75	11.42	55.75	6.41	69.75	4.09	83.75	2.84
42.00	11.29	56.00	6.35	70.00	4.06	84.00	2.82
42.25	11.15	56.25	6.29	70.25	4.03	84.25	2.80
42.50	11.02	56.50	6.24	70.50	4.01	84.50	2.79
42.75	10.89	56.75	6.18	70.75	3.98	84.75	2.77
43.00	10.77	57.00	6.13	71.00	3.95	85.00	2.76
43.25	10.64	57.25	6.07	71.25	3.92	85.25	2.74
43.50	10.52	57.50	6.02	71.50	3.89	85.50	2.72
43.75	10.40	57.75	5.97	71.75	3.87	85.75	2.71
44.00	10.28	58.00	5.92	72.00	3.84	86.00	2.69
44.25	10.17	58.25	5.87	72.25	3.81	86.25	2.68
44.50	10.05	58.50	5.82	72.50	3.79	86.50	2.66
44.75	9.94	58.75	5.77	72.75	3.76	86.75	2.65
45.00	9.83	59.00	5.72	73.00	3.74	87.00	2.63
45.25	9.72	59.25	5.67	73.25	3.71	87.25	2.62
45.50	9.62	59.50	5.62	73.50	3.69	87.50	2.60
45.75	9.51	59.75	5.58	73.75	3.66	87.75	2.59
46.00	9.41	60.00	5.53	74.00	3.64	88.00	2.57
46.25	9.31	60.25	5.48	74.25	3.61	88.25	2.56
46.50	9.21	60.50	5.44	74.50	3.59	88.50	2.54
46.75	9.11	60.75	5.39	74.75	3.56	88.75	2.53
47.00	9.01	61.00	5.35	75.00	3.54	89.00	2.51
47.25	8.92	61.25	5.31	75.25	3.52	89.25	2.50
47.50	8.82	61.50	5.26	75.50	3.49	89.50	2.49
47.75	8.73	61.75	5.22	75.75	3.47	89.75	2.47
48.00	8.64	62.00	5.18	76.00	3.45	90.00	2.46
48.25	8.55	62.25	5.14	76.25	3.42	90.25	2.44
48.50	8.46	62.50	5.10	76.50	3.40	90.50	2.43
48.75	8.38	62.75	5.06	76.75	3.38	90.75	2.42
49.00	8.29	63.00	5.02	77.00	3.36	91.00	2.40
49.25	8.21	63.25	4.98	77.25	3.34	91.25	2.39
49.50	8.13	63.50	4.94	77.50	3.31	91.50	2.38
49.75	8.04	63.75	4.90	77.75	3.29	91.75	2.37
50.00	7.96	64.00	4.86	78.00	3.27	92.00	2.35
50.25	7.88	64.25	4.82	78.25	3.25	92.25	2.34
50.50	7.81	64.50	4.79	78.50	3.23	92.50	2.33
50.75	7.73	64.75	4.75	78.75	3.21	92.75	2.31
51.00	7.65	65.00	4.71	79.00	3.19	93.00	2.30
51.25	7.58	65.25	4.68	79.25	3.17	93.25	2.29
51.50	7.51	65.50	4.64	79.50	3.15	93.50	2.28
51.75	7.43	65.75	4.61	79.75	3.13	93.75	2.27
52.00	7.36	66.00	4.57	80.00	3.11	94.00	2.25
52.25	7.29	66.25	4.54	80.25	3.09	94.25	2.24
52.50	7.22	66.50	4.50	80.50	3.07	94.50	2.23
52.75	7.15	66.75	4.47	80.75	3.05	94.75	2.22
53.00	7.09	67.00	4.44	81.00	3.03	95.00	2.21
53.25	7.02	67.25	4.40	81.25	3.02	95.25	2.19
53.50	6.96	67.50	4.37	81.50	3.00	95.50	2.18
53.75	6.89	67.75	4.34	81.75	2.98	95.75	2.17
54.00	6.83	68.00	4.31	82.00	2.96	96.00	2.16

Table 16 – 10%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 2000% reflections)

Meters 1 Collector Meter - 7 SMART Meters

Time Avg: 20% % Reflection 2000%

Distance where limits are exceeded			
FCC ft.	7.98	95.8	Inches
BioInitiative ft.	630.00	7560.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	318543.95	10.25	378.77	20.25	97.09	30.25	43.51
0.50	127417.58	10.50	360.96	20.50	94.73	30.50	42.80
0.75	63708.79	10.75	344.37	20.75	92.47	30.75	42.11
1.00	37475.76	11.00	328.90	21.00	90.28	31.00	41.43
1.25	24503.38	11.25	314.46	21.25	88.17	31.25	40.77
1.50	17218.59	11.50	300.94	21.50	86.13	31.50	40.13
1.75	12741.76	11.75	288.28	21.75	84.16	31.75	39.50
2.00	9801.35	12.00	276.39	22.00	82.26	32.00	38.88
2.25	7769.36	12.25	265.23	22.25	80.42	32.25	38.28
2.50	6307.80	12.50	254.73	22.50	78.64	32.50	37.70
2.75	5222.03	12.75	244.85	22.75	76.92	32.75	37.12
3.00	4393.71	13.00	235.52	23.00	75.26	33.00	36.56
3.25	3747.58	13.25	226.72	23.25	73.65	33.25	36.01
3.50	3233.95	13.50	218.41	23.50	72.09	33.50	35.48
3.75	2818.97	13.75	210.54	23.75	70.58	33.75	34.95
4.00	2478.94	14.00	203.09	24.00	69.12	34.00	34.44
4.25	2196.85	14.25	196.03	24.25	67.70	34.25	33.94
4.50	1960.27	14.50	189.33	24.50	66.33	34.50	33.45
4.75	1759.91	14.75	182.97	24.75	65.00	34.75	32.97
5.00	1588.75	15.00	176.92	25.00	63.70	35.00	32.50
5.25	1441.38	15.25	171.17	25.25	62.45	35.25	32.04
5.50	1313.58	15.50	165.69	25.50	61.23	35.50	31.59
5.75	1202.05	15.75	160.48	25.75	60.05	35.75	31.15
6.00	1104.14	16.00	155.50	26.00	58.90	36.00	30.72
6.25	1017.71	16.25	150.75	26.25	57.78	36.25	30.30
6.50	941.05	16.50	146.22	26.50	56.70	36.50	29.89
6.75	872.72	16.75	141.89	26.75	55.64	36.75	29.48
7.00	811.58	17.00	137.75	27.00	54.62	37.00	29.08
7.25	756.64	17.25	133.79	27.25	53.62	37.25	28.70
7.50	707.09	17.50	129.99	27.50	52.65	37.50	28.31
7.75	662.25	17.75	126.36	27.75	51.70	37.75	27.94
8.00	621.55	18.00	122.87	28.00	50.78	38.00	27.57
8.25	584.48	18.25	119.53	28.25	49.89	38.25	27.21
8.50	550.64	18.50	116.32	28.50	49.02	38.50	26.86
8.75	519.65	18.75	113.24	28.75	48.17	38.75	26.52
9.00	491.20	19.00	110.28	29.00	47.34	39.00	26.18
9.25	465.03	19.25	107.43	29.25	46.54	39.25	25.85
9.50	440.89	19.50	104.70	29.50	45.75	39.50	25.52
9.75	418.59	19.75	102.06	29.75	44.99	39.75	25.20
10.00	397.93	20.00	99.53	30.00	44.24	40.00	24.89

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 16 – 20%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 2000% reflections)

Meters 1 Collector Meter - 7 SMART Meters
Time Avg: 20% % Reflection 2000%

Distance where limits are exceeded
FCC ft. 7.98 95.77 Inches
BioInitiative ft. 630.00 7560.00 Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	24.58	54.25	13.53	68.25	8.55	82.25	5.89
40.50	24.27	54.50	13.41	68.50	8.49	82.50	5.85
40.75	23.98	54.75	13.28	68.75	8.42	82.75	5.81
41.00	23.69	55.00	13.16	69.00	8.36	83.00	5.78
41.25	23.40	55.25	13.04	69.25	8.30	83.25	5.75
41.50	23.12	55.50	12.93	69.50	8.24	83.50	5.71
41.75	22.84	55.75	12.81	69.75	8.18	83.75	5.68
42.00	22.57	56.00	12.70	70.00	8.13	84.00	5.64
42.25	22.31	56.25	12.58	70.25	8.07	84.25	5.61
42.50	22.04	56.50	12.47	70.50	8.01	84.50	5.58
42.75	21.79	56.75	12.36	70.75	7.95	84.75	5.54
43.00	21.53	57.00	12.26	71.00	7.90	85.00	5.51
43.25	21.29	57.25	12.15	71.25	7.84	85.25	5.48
43.50	21.04	57.50	12.04	71.50	7.79	85.50	5.45
43.75	20.80	57.75	11.94	71.75	7.73	85.75	5.42
44.00	20.57	58.00	11.84	72.00	7.68	86.00	5.38
44.25	20.33	58.25	11.73	72.25	7.63	86.25	5.35
44.50	20.11	58.50	11.63	72.50	7.58	86.50	5.32
44.75	19.88	58.75	11.54	72.75	7.52	86.75	5.29
45.00	19.66	59.00	11.44	73.00	7.47	87.00	5.26
45.25	19.45	59.25	11.34	73.25	7.42	87.25	5.23
45.50	19.23	59.50	11.25	73.50	7.37	87.50	5.20
45.75	19.02	59.75	11.15	73.75	7.32	87.75	5.17
46.00	18.82	60.00	11.06	74.00	7.27	88.00	5.14
46.25	18.61	60.25	10.97	74.25	7.22	88.25	5.11
46.50	18.41	60.50	10.88	74.50	7.17	88.50	5.08
46.75	18.22	60.75	10.79	74.75	7.13	88.75	5.06
47.00	18.02	61.00	10.70	75.00	7.08	89.00	5.03
47.25	17.83	61.25	10.61	75.25	7.03	89.25	5.00
47.50	17.65	61.50	10.53	75.50	6.99	89.50	4.97
47.75	17.46	61.75	10.44	75.75	6.94	89.75	4.94
48.00	17.28	62.00	10.36	76.00	6.89	90.00	4.92
48.25	17.10	62.25	10.28	76.25	6.85	90.25	4.89
48.50	16.93	62.50	10.19	76.50	6.80	90.50	4.86
48.75	16.75	62.75	10.11	76.75	6.76	90.75	4.83
49.00	16.58	63.00	10.03	77.00	6.72	91.00	4.81
49.25	16.42	63.25	9.95	77.25	6.67	91.25	4.78
49.50	16.25	63.50	9.87	77.50	6.63	91.50	4.76
49.75	16.09	63.75	9.80	77.75	6.59	91.75	4.73
50.00	15.93	64.00	9.72	78.00	6.54	92.00	4.70
50.25	15.77	64.25	9.65	78.25	6.50	92.25	4.68
50.50	15.61	64.50	9.57	78.50	6.46	92.50	4.65
50.75	15.46	64.75	9.50	78.75	6.42	92.75	4.63
51.00	15.31	65.00	9.42	79.00	6.38	93.00	4.60
51.25	15.16	65.25	9.35	79.25	6.34	93.25	4.58
51.50	15.01	65.50	9.28	79.50	6.30	93.50	4.55
51.75	14.87	65.75	9.21	79.75	6.26	93.75	4.53
52.00	14.73	66.00	9.14	80.00	6.22	94.00	4.51
52.25	14.58	66.25	9.07	80.25	6.18	94.25	4.48
52.50	14.45	66.50	9.00	80.50	6.14	94.50	4.46
52.75	14.31	66.75	8.94	80.75	6.11	94.75	4.44
53.00	14.17	67.00	8.87	81.00	6.07	95.00	4.41
53.25	14.04	67.25	8.80	81.25	6.03	95.25	4.39
53.50	13.91	67.50	8.74	81.50	5.99	95.50	4.37
53.75	13.78	67.75	8.67	81.75	5.96	95.75	4.34
54.00	13.65	68.00	8.61	82.00	5.92	96.00	4.32

Table 16 – 20%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 2000% reflections)

Meters 1 Collector Meter - 7 SMART Meters

Time Avg: 30% % Reflection 2000%

Distance where limits are exceeded

FCC ft.	9.78	117.3	Inches
BioInitiative ft.	772.00	9264.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	477815.93	10.25	568.15	20.25	145.63	30.25	65.27
0.50	191126.37	10.50	541.43	20.50	142.10	30.50	64.20
0.75	95563.19	10.75	516.56	20.75	138.70	30.75	63.16
1.00	56213.64	11.00	493.36	21.00	135.42	31.00	62.15
1.25	36755.07	11.25	471.68	21.25	132.25	31.25	61.16
1.50	25827.89	11.50	451.41	21.50	129.19	31.50	60.19
1.75	19112.64	11.75	432.41	21.75	126.24	31.75	59.25
2.00	14702.03	12.00	414.59	22.00	123.39	32.00	58.32
2.25	11654.05	12.25	397.85	22.25	120.63	32.25	57.42
2.50	9461.70	12.50	382.10	22.50	117.96	32.50	56.54
2.75	7833.05	12.75	367.27	22.75	115.39	32.75	55.68
3.00	6590.56	13.00	353.28	23.00	112.89	33.00	54.84
3.25	5621.36	13.25	340.08	23.25	110.48	33.25	54.02
3.50	4850.92	13.50	327.61	23.50	108.14	33.50	53.22
3.75	4228.46	13.75	315.81	23.75	105.88	33.75	52.43
4.00	3718.41	14.00	304.63	24.00	103.68	34.00	51.66
4.25	3295.28	14.25	294.04	24.25	101.55	34.25	50.91
4.50	2940.41	14.50	283.99	24.50	99.49	34.50	50.18
4.75	2639.87	14.75	274.45	24.75	97.49	34.75	49.46
5.00	2383.12	15.00	265.38	25.00	95.55	35.00	48.75
5.25	2162.06	15.25	256.75	25.25	93.67	35.25	48.07
5.50	1970.37	15.50	248.54	25.50	91.84	35.50	47.39
5.75	1803.08	15.75	240.71	25.75	90.07	35.75	46.73
6.00	1656.21	16.00	233.25	26.00	88.35	36.00	46.08
6.25	1526.57	16.25	226.13	26.25	86.67	36.25	45.45
6.50	1411.57	16.50	219.33	26.50	85.04	36.50	44.83
6.75	1309.08	16.75	212.84	26.75	83.46	36.75	44.22
7.00	1217.37	17.00	206.62	27.00	81.92	37.00	43.63
7.25	1134.95	17.25	200.68	27.25	80.43	37.25	43.04
7.50	1060.63	17.50	194.99	27.50	78.97	37.50	42.47
7.75	993.38	17.75	189.53	27.75	77.55	37.75	41.91
8.00	932.32	18.00	184.31	28.00	76.18	38.00	41.36
8.25	876.73	18.25	179.29	28.25	74.83	38.25	40.82
8.50	825.96	18.50	174.48	28.50	73.53	38.50	40.29
8.75	779.47	18.75	169.86	28.75	72.25	38.75	39.77
9.00	736.80	19.00	165.42	29.00	71.01	39.00	39.27
9.25	697.54	19.25	161.15	29.25	69.81	39.25	38.77
9.50	661.34	19.50	157.05	29.50	68.63	39.50	38.28
9.75	627.88	19.75	153.10	29.75	67.48	39.75	37.80
10.00	596.90	20.00	149.29	30.00	66.36	40.00	37.33

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 16 – 30%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 2000% reflections)

Meters 1 Collector Meter - 7 SMART Meters

Time Avg: 30% % Reflection 2000%

Distance where limits are exceeded	
FCC ft. 9.78	117.31 Inches
BioInitiative ft. 772.00	9264.00 Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	36.87	54.25	20.29	68.25	12.82	82.25	8.83
40.50	36.41	54.50	20.11	68.50	12.73	82.50	8.78
40.75	35.97	54.75	19.92	68.75	12.64	82.75	8.72
41.00	35.53	55.00	19.74	69.00	12.54	83.00	8.67
41.25	35.10	55.25	19.57	69.25	12.45	83.25	8.62
41.50	34.68	55.50	19.39	69.50	12.37	83.50	8.57
41.75	34.26	55.75	19.22	69.75	12.28	83.75	8.52
42.00	33.86	56.00	19.05	70.00	12.19	84.00	8.46
42.25	33.46	56.25	18.88	70.25	12.10	84.25	8.41
42.50	33.07	56.50	18.71	70.50	12.02	84.50	8.36
42.75	32.68	56.75	18.55	70.75	11.93	84.75	8.32
43.00	32.30	57.00	18.38	71.00	11.85	85.00	8.27
43.25	31.93	57.25	18.22	71.25	11.77	85.25	8.22
43.50	31.56	57.50	18.06	71.50	11.68	85.50	8.17
43.75	31.20	57.75	17.91	71.75	11.60	85.75	8.12
44.00	30.85	58.00	17.75	72.00	11.52	86.00	8.08
44.25	30.50	58.25	17.60	72.25	11.44	86.25	8.03
44.50	30.16	58.50	17.45	72.50	11.36	86.50	7.98
44.75	29.82	58.75	17.30	72.75	11.28	86.75	7.94
45.00	29.49	59.00	17.16	73.00	11.21	87.00	7.89
45.25	29.17	59.25	17.01	73.25	11.13	87.25	7.85
45.50	28.85	59.50	16.87	73.50	11.06	87.50	7.80
45.75	28.53	59.75	16.73	73.75	10.98	87.75	7.76
46.00	28.23	60.00	16.59	74.00	10.91	88.00	7.71
46.25	27.92	60.25	16.45	74.25	10.83	88.25	7.67
46.50	27.62	60.50	16.32	74.50	10.76	88.50	7.63
46.75	27.33	60.75	16.18	74.75	10.69	88.75	7.58
47.00	27.04	61.00	16.05	75.00	10.62	89.00	7.54
47.25	26.75	61.25	15.92	75.25	10.55	89.25	7.50
47.50	26.47	61.50	15.79	75.50	10.48	89.50	7.46
47.75	26.19	61.75	15.66	75.75	10.41	89.75	7.41
48.00	25.92	62.00	15.54	76.00	10.34	90.00	7.37
48.25	25.65	62.25	15.41	76.25	10.27	90.25	7.33
48.50	25.39	62.50	15.29	76.50	10.21	90.50	7.29
48.75	25.13	62.75	15.17	76.75	10.14	90.75	7.25
49.00	24.88	63.00	15.05	77.00	10.07	91.00	7.21
49.25	24.62	63.25	14.93	77.25	10.01	91.25	7.17
49.50	24.38	63.50	14.81	77.50	9.94	91.50	7.13
49.75	24.13	63.75	14.70	77.75	9.88	91.75	7.10
50.00	23.89	64.00	14.58	78.00	9.82	92.00	7.06
50.25	23.65	64.25	14.47	78.25	9.75	92.25	7.02
50.50	23.42	64.50	14.36	78.50	9.69	92.50	6.98
50.75	23.19	64.75	14.25	78.75	9.63	92.75	6.94
51.00	22.96	65.00	14.14	79.00	9.57	93.00	6.91
51.25	22.74	65.25	14.03	79.25	9.51	93.25	6.87
51.50	22.52	65.50	13.92	79.50	9.45	93.50	6.83
51.75	22.30	65.75	13.82	79.75	9.39	93.75	6.80
52.00	22.09	66.00	13.71	80.00	9.33	94.00	6.76
52.25	21.88	66.25	13.61	80.25	9.27	94.25	6.72
52.50	21.67	66.50	13.51	80.50	9.22	94.50	6.69
52.75	21.46	66.75	13.40	80.75	9.16	94.75	6.65
53.00	21.26	67.00	13.31	81.00	9.10	95.00	6.62
53.25	21.06	67.25	13.21	81.25	9.05	95.25	6.58
53.50	20.87	67.50	13.11	81.50	8.99	95.50	6.55
53.75	20.67	67.75	13.01	81.75	8.94	95.75	6.51
54.00	20.48	68.00	12.92	82.00	8.88	96.00	6.48

Table 16 – 30%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 2000% reflections)

Meters 1 Collector Meter - 7 SMART Meters

Time Avg: 40% % Reflection 2000%

Distance where limits are exceeded			
FCC ft.	11.29	135.5	Inches
BioInitiative ft.	892.00	10704.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	637087.91	10.25	757.54	20.25	194.17	30.25	87.02
0.50	254835.16	10.50	721.91	20.50	189.47	30.50	85.60
0.75	127417.58	10.75	688.74	20.75	184.93	30.75	84.22
1.00	74951.52	11.00	657.81	21.00	180.55	31.00	82.86
1.25	49006.76	11.25	628.91	21.25	176.33	31.25	81.54
1.50	34437.18	11.50	601.88	21.50	172.26	31.50	80.25
1.75	25483.52	11.75	576.55	21.75	168.32	31.75	78.99
2.00	19602.70	12.00	552.79	22.00	164.52	32.00	77.76
2.25	15538.73	12.25	530.46	22.25	160.84	32.25	76.56
2.50	12615.60	12.50	509.47	22.50	157.29	32.50	75.39
2.75	10444.06	12.75	489.69	22.75	153.85	32.75	74.24
3.00	8787.42	13.00	471.04	23.00	150.52	33.00	73.12
3.25	7495.15	13.25	453.44	23.25	147.30	33.25	72.03
3.50	6467.90	13.50	436.81	23.50	144.19	33.50	70.96
3.75	5637.95	13.75	421.08	23.75	141.17	33.75	69.91
4.00	4957.88	14.00	406.18	24.00	138.24	34.00	68.89
4.25	4393.71	14.25	392.05	24.25	135.41	34.25	67.88
4.50	3920.54	14.50	378.66	24.50	132.66	34.50	66.90
4.75	3519.82	14.75	365.93	24.75	129.99	34.75	65.94
5.00	3177.50	15.00	353.84	25.00	127.40	35.00	65.01
5.25	2882.75	15.25	342.34	25.25	124.89	35.25	64.09
5.50	2627.17	15.50	331.39	25.50	122.46	35.50	63.19
5.75	2404.11	15.75	320.95	25.75	120.09	35.75	62.31
6.00	2208.28	16.00	311.00	26.00	117.79	36.00	61.44
6.25	2035.42	16.25	301.51	26.25	115.56	36.25	60.60
6.50	1882.09	16.50	292.44	26.50	113.39	36.50	59.77
6.75	1745.45	16.75	283.78	26.75	111.28	36.75	58.96
7.00	1623.15	17.00	275.50	27.00	109.23	37.00	58.17
7.25	1513.27	17.25	267.57	27.25	107.24	37.25	57.39
7.50	1414.18	17.50	259.98	27.50	105.30	37.50	56.63
7.75	1324.51	17.75	252.71	27.75	103.41	37.75	55.88
8.00	1243.10	18.00	245.74	28.00	101.57	38.00	55.15
8.25	1168.97	18.25	239.06	28.25	99.78	38.25	54.43
8.50	1101.28	18.50	232.64	28.50	98.04	38.50	53.72
8.75	1039.30	18.75	226.48	28.75	96.34	38.75	53.03
9.00	982.40	19.00	220.56	29.00	94.68	39.00	52.36
9.25	930.06	19.25	214.87	29.25	93.07	39.25	51.69
9.50	881.78	19.50	209.40	29.50	91.50	39.50	51.04
9.75	837.17	19.75	204.13	29.75	89.97	39.75	50.40
10.00	795.86	20.00	199.06	30.00	88.48	40.00	49.77

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 16 – 40%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 2000% reflections)

Meters 1 Collector Meter - 7 SMART Meters
Time Avg: 40% % Reflection 2000%

Distance where limits are exceeded

FCC ft.	11.29	135.47	Inches
BioInitiative ft.	892.00	10704.00	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	49.15	54.25	27.06	68.25	17.10	82.25	11.77
40.50	48.55	54.50	26.81	68.50	16.97	82.50	11.70
40.75	47.96	54.75	26.57	68.75	16.85	82.75	11.63
41.00	47.37	55.00	26.33	69.00	16.73	83.00	11.56
41.25	46.80	55.25	26.09	69.25	16.61	83.25	11.49
41.50	46.24	55.50	25.85	69.50	16.49	83.50	11.42
41.75	45.69	55.75	25.62	69.75	16.37	83.75	11.35
42.00	45.14	56.00	25.39	70.00	16.25	84.00	11.29
42.25	44.61	56.25	25.17	70.25	16.14	84.25	11.22
42.50	44.09	56.50	24.95	70.50	16.02	84.50	11.15
42.75	43.57	56.75	24.73	70.75	15.91	84.75	11.09
43.00	43.07	57.00	24.51	71.00	15.80	85.00	11.02
43.25	42.57	57.25	24.30	71.25	15.69	85.25	10.96
43.50	42.08	57.50	24.09	71.50	15.58	85.50	10.89
43.75	41.60	57.75	23.88	71.75	15.47	85.75	10.83
44.00	41.13	58.00	23.67	72.00	15.36	86.00	10.77
44.25	40.67	58.25	23.47	72.25	15.26	86.25	10.71
44.50	40.21	58.50	23.27	72.50	15.15	86.50	10.64
44.75	39.77	58.75	23.07	72.75	15.05	86.75	10.58
45.00	39.33	59.00	22.88	73.00	14.94	87.00	10.52
45.25	38.89	59.25	22.68	73.25	14.84	87.25	10.46
45.50	38.47	59.50	22.49	73.50	14.74	87.50	10.40
45.75	38.05	59.75	22.31	73.75	14.64	87.75	10.34
46.00	37.63	60.00	22.12	74.00	14.54	88.00	10.28
46.25	37.23	60.25	21.94	74.25	14.44	88.25	10.23
46.50	36.83	60.50	21.76	74.50	14.35	88.50	10.17
46.75	36.44	60.75	21.58	74.75	14.25	88.75	10.11
47.00	36.05	61.00	21.40	75.00	14.16	89.00	10.05
47.25	35.67	61.25	21.23	75.25	14.06	89.25	10.00
47.50	35.29	61.50	21.05	75.50	13.97	89.50	9.94
47.75	34.93	61.75	20.88	75.75	13.88	89.75	9.89
48.00	34.56	62.00	20.72	76.00	13.79	90.00	9.83
48.25	34.21	62.25	20.55	76.25	13.70	90.25	9.78
48.50	33.85	62.50	20.39	76.50	13.61	90.50	9.72
48.75	33.51	62.75	20.22	76.75	13.52	90.75	9.67
49.00	33.17	63.00	20.06	77.00	13.43	91.00	9.62
49.25	32.83	63.25	19.91	77.25	13.34	91.25	9.56
49.50	32.50	63.50	19.75	77.50	13.26	91.50	9.51
49.75	32.17	63.75	19.59	77.75	13.17	91.75	9.46
50.00	31.85	64.00	19.44	78.00	13.09	92.00	9.41
50.25	31.54	64.25	19.29	78.25	13.01	92.25	9.36
50.50	31.23	64.50	19.14	78.50	12.92	92.50	9.31
50.75	30.92	64.75	18.99	78.75	12.84	92.75	9.26
51.00	30.62	65.00	18.85	79.00	12.76	93.00	9.21
51.25	30.32	65.25	18.70	79.25	12.68	93.25	9.16
51.50	30.03	65.50	18.56	79.50	12.60	93.50	9.11
51.75	29.74	65.75	18.42	79.75	12.52	93.75	9.06
52.00	29.45	66.00	18.28	80.00	12.44	94.00	9.01
52.25	29.17	66.25	18.14	80.25	12.37	94.25	8.96
52.50	28.89	66.50	18.01	80.50	12.29	94.50	8.92
52.75	28.62	66.75	17.87	80.75	12.21	94.75	8.87
53.00	28.35	67.00	17.74	81.00	12.14	95.00	8.82
53.25	28.08	67.25	17.61	81.25	12.06	95.25	8.78
53.50	27.82	67.50	17.48	81.50	11.99	95.50	8.73
53.75	27.56	67.75	17.35	81.75	11.92	95.75	8.69
54.00	27.31	68.00	17.22	82.00	11.84	96.00	8.64

Table 16 – 40%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 2000% reflections)

Meters 1 Collector Meter - 7 SMART Meters

Time Avg: 50% % Reflection 2000%

Distance where limits are exceeded			
FCC ft.	12.62	151.5	Inches
BioInitiative ft.	997.00	11964.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	796359.88	10.25	946.92	20.25	242.72	30.25	108.78
0.50	318543.95	10.50	902.39	20.50	236.84	30.50	107.00
0.75	159271.98	10.75	860.93	20.75	231.16	30.75	105.27
1.00	93689.40	11.00	822.26	21.00	225.69	31.00	103.58
1.25	61258.45	11.25	786.14	21.25	220.42	31.25	101.93
1.50	43046.48	11.50	752.35	21.50	215.32	31.50	100.32
1.75	31854.40	11.75	720.69	21.75	210.40	31.75	98.74
2.00	24503.38	12.00	690.98	22.00	205.64	32.00	97.21
2.25	19423.41	12.25	663.08	22.25	201.05	32.25	95.70
2.50	15769.50	12.50	636.83	22.50	196.61	32.50	94.24
2.75	13055.08	12.75	612.11	22.75	192.31	32.75	92.81
3.00	10984.27	13.00	588.81	23.00	188.15	33.00	91.40
3.25	9368.94	13.25	566.80	23.25	184.13	33.25	90.04
3.50	8084.87	13.50	546.01	23.50	180.23	33.50	88.70
3.75	7047.43	13.75	526.34	23.75	176.46	33.75	87.39
4.00	6197.35	14.00	507.72	24.00	172.80	34.00	86.11
4.25	5492.14	14.25	490.07	24.25	169.26	34.25	84.85
4.50	4900.68	14.50	473.32	24.50	165.82	34.50	83.63
4.75	4399.78	14.75	457.42	24.75	162.49	34.75	82.43
5.00	3971.87	15.00	442.30	25.00	159.26	35.00	81.26
5.25	3603.44	15.25	427.92	25.25	156.12	35.25	80.11
5.50	3283.96	15.50	414.23	25.50	153.07	35.50	78.98
5.75	3005.13	15.75	401.19	25.75	150.11	35.75	77.88
6.00	2760.35	16.00	388.75	26.00	147.24	36.00	76.81
6.25	2544.28	16.25	376.89	26.25	144.45	36.25	75.75
6.50	2352.61	16.50	365.55	26.50	141.74	36.50	74.72
6.75	2181.81	16.75	354.73	26.75	139.10	36.75	73.70
7.00	2028.94	17.00	344.37	27.00	136.54	37.00	72.71
7.25	1891.59	17.25	334.46	27.25	134.04	37.25	71.74
7.50	1767.72	17.50	324.98	27.50	131.62	37.50	70.78
7.75	1655.63	17.75	315.89	27.75	129.26	37.75	69.85
8.00	1553.87	18.00	307.18	28.00	126.96	38.00	68.93
8.25	1461.21	18.25	298.82	28.25	124.72	38.25	68.04
8.50	1376.59	18.50	290.80	28.50	122.55	38.50	67.16
8.75	1299.12	18.75	283.10	28.75	120.42	38.75	66.29
9.00	1228.00	19.00	275.70	29.00	118.36	39.00	65.44
9.25	1162.57	19.25	268.59	29.25	116.34	39.25	64.61
9.50	1102.23	19.50	261.75	29.50	114.38	39.50	63.80
9.75	1046.47	19.75	255.16	29.75	112.46	39.75	63.00
10.00	994.83	20.00	248.82	30.00	110.60	40.00	62.21

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 16 – 50%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 2000% reflections)

Meters 1 Collector Meter - 7 SMART Meters
Time Avg: 50% % Reflection 2000%

Distance where limits are exceeded			
FCC ft. 12.62		151.47 Inches	
BioInitiative ft. 997.00		11964.00 Inches	

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	61.44	54.25	33.82	68.25	21.37	82.25	14.71
40.50	60.69	54.50	33.51	68.50	21.21	82.50	14.63
40.75	59.94	54.75	33.21	68.75	21.06	82.75	14.54
41.00	59.22	55.00	32.91	69.00	20.91	83.00	14.45
41.25	58.50	55.25	32.61	69.25	20.76	83.25	14.36
41.50	57.80	55.50	32.32	69.50	20.61	83.50	14.28
41.75	57.11	55.75	32.03	69.75	20.46	83.75	14.19
42.00	56.43	56.00	31.74	70.00	20.32	84.00	14.11
42.25	55.76	56.25	31.46	70.25	20.17	84.25	14.02
42.50	55.11	56.50	31.18	70.50	20.03	84.50	13.94
42.75	54.47	56.75	30.91	70.75	19.89	84.75	13.86
43.00	53.84	57.00	30.64	71.00	19.75	85.00	13.78
43.25	53.21	57.25	30.37	71.25	19.61	85.25	13.70
43.50	52.60	57.50	30.11	71.50	19.47	85.50	13.62
43.75	52.01	57.75	29.85	71.75	19.34	85.75	13.54
44.00	51.42	58.00	29.59	72.00	19.20	86.00	13.46
44.25	50.84	58.25	29.34	72.25	19.07	86.25	13.38
44.50	50.27	58.50	29.09	72.50	18.94	86.50	13.30
44.75	49.71	58.75	28.84	72.75	18.81	86.75	13.23
45.00	49.16	59.00	28.60	73.00	18.68	87.00	13.15
45.25	48.61	59.25	28.36	73.25	18.55	87.25	13.08
45.50	48.08	59.50	28.12	73.50	18.43	87.50	13.00
45.75	47.56	59.75	27.88	73.75	18.30	87.75	12.93
46.00	47.04	60.00	27.65	74.00	18.18	88.00	12.85
46.25	46.54	60.25	27.42	74.25	18.06	88.25	12.78
46.50	46.04	60.50	27.20	74.50	17.94	88.50	12.71
46.75	45.55	60.75	26.97	74.75	17.82	88.75	12.64
47.00	45.06	61.00	26.75	75.00	17.70	89.00	12.57
47.25	44.59	61.25	26.53	75.25	17.58	89.25	12.50
47.50	44.12	61.50	26.32	75.50	17.46	89.50	12.43
47.75	43.66	61.75	26.11	75.75	17.35	89.75	12.36
48.00	43.20	62.00	25.90	76.00	17.23	90.00	12.29
48.25	42.76	62.25	25.69	76.25	17.12	90.25	12.22
48.50	42.32	62.50	25.48	76.50	17.01	90.50	12.15
48.75	41.89	62.75	25.28	76.75	16.90	90.75	12.09
49.00	41.46	63.00	25.08	77.00	16.79	91.00	12.02
49.25	41.04	63.25	24.88	77.25	16.68	91.25	11.96
49.50	40.63	63.50	24.69	77.50	16.57	91.50	11.89
49.75	40.22	63.75	24.49	77.75	16.47	91.75	11.83
50.00	39.82	64.00	24.30	78.00	16.36	92.00	11.76
50.25	39.42	64.25	24.11	78.25	16.26	92.25	11.70
50.50	39.03	64.50	23.93	78.50	16.15	92.50	11.63
50.75	38.65	64.75	23.74	78.75	16.05	92.75	11.57
51.00	38.27	65.00	23.56	79.00	15.95	93.00	11.51
51.25	37.90	65.25	23.38	79.25	15.85	93.25	11.45
51.50	37.53	65.50	23.20	79.50	15.75	93.50	11.39
51.75	37.17	65.75	23.03	79.75	15.65	93.75	11.33
52.00	36.81	66.00	22.85	80.00	15.55	94.00	11.27
52.25	36.46	66.25	22.68	80.25	15.46	94.25	11.21
52.50	36.12	66.50	22.51	80.50	15.36	94.50	11.15
52.75	35.77	66.75	22.34	80.75	15.27	94.75	11.09
53.00	35.44	67.00	22.18	81.00	15.17	95.00	11.03
53.25	35.11	67.25	22.01	81.25	15.08	95.25	10.97
53.50	34.78	67.50	21.85	81.50	14.99	95.50	10.91
53.75	34.46	67.75	21.69	81.75	14.89	95.75	10.86
54.00	34.14	68.00	21.53	82.00	14.80	96.00	10.80

Table 16 – 50%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 2000% reflections)

Meters 1 Collector Meter - 7 SMART Meters

Time Avg: 60% % Reflection 2000%

Distance where limits are exceeded			
FCC ft.	13.83	165.9	Inches
BioInitiative ft.	1093.00	13116.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	955631.86	10.25	1136.30	20.25	291.26	30.25	130.53
0.50	382252.74	10.50	1082.87	20.50	284.20	30.50	128.40
0.75	191126.37	10.75	1033.12	20.75	277.40	30.75	126.32
1.00	112427.28	11.00	986.71	21.00	270.83	31.00	124.29
1.25	73510.14	11.25	943.37	21.25	264.50	31.25	122.31
1.50	51655.78	11.50	902.82	21.50	258.38	31.50	120.38
1.75	38225.27	11.75	864.83	21.75	252.48	31.75	118.49
2.00	29404.06	12.00	829.18	22.00	246.77	32.00	116.65
2.25	23308.09	12.25	795.70	22.25	241.26	32.25	114.85
2.50	18923.40	12.50	764.20	22.50	235.93	32.50	113.09
2.75	15666.10	12.75	734.54	22.75	230.77	32.75	111.37
3.00	13181.13	13.00	706.57	23.00	225.78	33.00	109.69
3.25	11242.73	13.25	680.17	23.25	220.96	33.25	108.04
3.50	9701.85	13.50	655.22	23.50	216.28	33.50	106.44
3.75	8456.92	13.75	631.61	23.75	211.75	33.75	104.86
4.00	7436.82	14.00	609.26	24.00	207.36	34.00	103.33
4.25	6590.56	14.25	588.08	24.25	203.11	34.25	101.83
4.50	5880.81	14.50	567.98	24.50	198.99	34.50	100.36
4.75	5279.73	14.75	548.90	24.75	194.99	34.75	98.92
5.00	4766.24	15.00	530.76	25.00	191.11	35.00	97.51
5.25	4324.13	15.25	513.50	25.25	187.34	35.25	96.13
5.50	3940.75	15.50	497.08	25.50	183.69	35.50	94.78
5.75	3606.16	15.75	481.43	25.75	180.14	35.75	93.46
6.00	3312.42	16.00	466.50	26.00	176.69	36.00	92.17
6.25	3053.14	16.25	452.26	26.25	173.34	36.25	90.90
6.50	2823.14	16.50	438.67	26.50	170.09	36.50	89.66
6.75	2618.17	16.75	425.67	26.75	166.92	36.75	88.44
7.00	2434.73	17.00	413.25	27.00	163.85	37.00	87.25
7.25	2269.91	17.25	401.36	27.25	160.85	37.25	86.09
7.50	2121.27	17.50	389.97	27.50	157.94	37.50	84.94
7.75	1986.76	17.75	379.07	27.75	155.11	37.75	83.82
8.00	1864.65	18.00	368.61	28.00	152.35	38.00	82.72
8.25	1753.45	18.25	358.59	28.25	149.67	38.25	81.64
8.50	1651.91	18.50	348.96	28.50	147.05	38.50	80.59
8.75	1558.94	18.75	339.72	28.75	144.51	38.75	79.55
9.00	1473.60	19.00	330.84	29.00	142.03	39.00	78.53
9.25	1395.08	19.25	322.30	29.25	139.61	39.25	77.54
9.50	1322.67	19.50	314.09	29.50	137.25	39.50	76.56
9.75	1255.76	19.75	306.19	29.75	134.96	39.75	75.60
10.00	1193.79	20.00	298.59	30.00	132.72	40.00	74.66

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 16 – 60%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 2000% reflections)

Meters 1 Collector Meter - 7 SMART Meters
Time Avg: 60% % Reflection 2000%

Distance where limits are exceeded			
FCC ft.	13.83	165.94	Inches
BioInitiative ft.	1093.00	13116.00	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	73.73	54.25	40.59	68.25	25.64	82.25	17.66
40.50	72.82	54.50	40.22	68.50	25.46	82.50	17.55
40.75	71.93	54.75	39.85	68.75	25.27	82.75	17.44
41.00	71.06	55.00	39.49	69.00	25.09	83.00	17.34
41.25	70.20	55.25	39.13	69.25	24.91	83.25	17.24
41.50	69.36	55.50	38.78	69.50	24.73	83.50	17.13
41.75	68.53	55.75	38.43	69.75	24.55	83.75	17.03
42.00	67.72	56.00	38.09	70.00	24.38	84.00	16.93
42.25	66.92	56.25	37.75	70.25	24.20	84.25	16.83
42.50	66.13	56.50	37.42	70.50	24.03	84.50	16.73
42.75	65.36	56.75	37.09	70.75	23.86	84.75	16.63
43.00	64.60	57.00	36.77	71.00	23.70	85.00	16.53
43.25	63.86	57.25	36.45	71.25	23.53	85.25	16.44
43.50	63.13	57.50	36.13	71.50	23.37	85.50	16.34
43.75	62.41	57.75	35.82	71.75	23.20	85.75	16.25
44.00	61.70	58.00	35.51	72.00	23.04	86.00	16.15
44.25	61.00	58.25	35.20	72.25	22.88	86.25	16.06
44.50	60.32	58.50	34.90	72.50	22.73	86.50	15.96
44.75	59.65	58.75	34.61	72.75	22.57	86.75	15.87
45.00	58.99	59.00	34.32	73.00	22.42	87.00	15.78
45.25	58.34	59.25	34.03	73.25	22.26	87.25	15.69
45.50	57.70	59.50	33.74	73.50	22.11	87.50	15.60
45.75	57.07	59.75	33.46	73.75	21.96	87.75	15.51
46.00	56.45	60.00	33.18	74.00	21.81	88.00	15.43
46.25	55.84	60.25	32.91	74.25	21.67	88.25	15.34
46.50	55.24	60.50	32.63	74.50	21.52	88.50	15.25
46.75	54.65	60.75	32.37	74.75	21.38	88.75	15.17
47.00	54.07	61.00	32.10	75.00	21.24	89.00	15.08
47.25	53.50	61.25	31.84	75.25	21.10	89.25	15.00
47.50	52.94	61.50	31.58	75.50	20.96	89.50	14.91
47.75	52.39	61.75	31.33	75.75	20.82	89.75	14.83
48.00	51.84	62.00	31.07	76.00	20.68	90.00	14.75
48.25	51.31	62.25	30.83	76.25	20.55	90.25	14.67
48.50	50.78	62.50	30.58	76.50	20.41	90.50	14.58
48.75	50.26	62.75	30.34	76.75	20.28	90.75	14.50
49.00	49.75	63.00	30.10	77.00	20.15	91.00	14.42
49.25	49.25	63.25	29.86	77.25	20.02	91.25	14.35
49.50	48.75	63.50	29.62	77.50	19.89	91.50	14.27
49.75	48.26	63.75	29.39	77.75	19.76	91.75	14.19
50.00	47.78	64.00	29.16	78.00	19.63	92.00	14.11
50.25	47.31	64.25	28.94	78.25	19.51	92.25	14.04
50.50	46.84	64.50	28.71	78.50	19.38	92.50	13.96
50.75	46.38	64.75	28.49	78.75	19.26	92.75	13.89
51.00	45.93	65.00	28.27	79.00	19.14	93.00	13.81
51.25	45.48	65.25	28.06	79.25	19.02	93.25	13.74
51.50	45.04	65.50	27.84	79.50	18.90	93.50	13.66
51.75	44.60	65.75	27.63	79.75	18.78	93.75	13.59
52.00	44.18	66.00	27.42	80.00	18.66	94.00	13.52
52.25	43.75	66.25	27.22	80.25	18.55	94.25	13.45
52.50	43.34	66.50	27.01	80.50	18.43	94.50	13.38
52.75	42.93	66.75	26.81	80.75	18.32	94.75	13.31
53.00	42.52	67.00	26.61	81.00	18.21	95.00	13.24
53.25	42.13	67.25	26.41	81.25	18.09	95.25	13.17
53.50	41.73	67.50	26.22	81.50	17.98	95.50	13.10
53.75	41.35	67.75	26.02	81.75	17.87	95.75	13.03
54.00	40.96	68.00	25.83	82.00	17.77	96.00	12.96

Table 16 – 60%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 2000% reflections)

Meters 1 Collector Meter - 7 SMART Meters

Time Avg: 70% % Reflection 2000%

Distance where limits are exceeded			
FCC ft.	14.94	179.2	Inches
BioInitiative ft.	1180.00	14160.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	1114903.84	10.25	1325.69	20.25	339.81	30.25	152.29
0.50	445961.54	10.50	1263.35	20.50	331.57	30.50	149.80
0.75	222980.77	10.75	1205.30	20.75	323.63	30.75	147.38
1.00	131165.16	11.00	1151.17	21.00	315.97	31.00	145.01
1.25	85761.83	11.25	1100.60	21.25	308.58	31.25	142.70
1.50	60265.07	11.50	1053.29	21.50	301.45	31.50	140.44
1.75	44596.15	11.75	1008.96	21.75	294.56	31.75	138.24
2.00	34304.73	12.00	967.38	22.00	287.90	32.00	136.09
2.25	27192.78	12.25	928.31	22.25	281.47	32.25	133.99
2.50	22077.30	12.50	891.57	22.50	275.25	32.50	131.93
2.75	18277.11	12.75	856.96	22.75	269.24	32.75	129.93
3.00	15377.98	13.00	824.33	23.00	263.41	33.00	127.97
3.25	13116.52	13.25	793.53	23.25	257.78	33.25	126.05
3.50	11318.82	13.50	764.42	23.50	252.33	33.50	124.17
3.75	9866.41	13.75	736.88	23.75	247.04	33.75	122.34
4.00	8676.29	14.00	710.81	24.00	241.92	34.00	120.55
4.25	7688.99	14.25	686.09	24.25	236.96	34.25	118.80
4.50	6860.95	14.50	662.65	24.50	232.15	34.50	117.08
4.75	6159.69	14.75	640.38	24.75	227.48	34.75	115.40
5.00	5560.62	15.00	619.22	25.00	222.96	35.00	113.76
5.25	5044.81	15.25	599.09	25.25	218.57	35.25	112.15
5.50	4597.54	15.50	579.92	25.50	214.30	35.50	110.58
5.75	4207.18	15.75	561.66	25.75	210.16	35.75	109.04
6.00	3864.48	16.00	544.25	26.00	206.14	36.00	107.53
6.25	3561.99	16.25	527.64	26.25	202.23	36.25	106.05
6.50	3293.66	16.50	511.78	26.50	198.43	36.50	104.60
6.75	3054.53	16.75	496.62	26.75	194.74	36.75	103.18
7.00	2840.52	17.00	482.12	27.00	191.15	37.00	101.79
7.25	2648.23	17.25	468.25	27.25	187.66	37.25	100.43
7.50	2474.81	17.50	454.97	27.50	184.27	37.50	99.10
7.75	2317.89	17.75	442.25	27.75	180.96	37.75	97.79
8.00	2175.42	18.00	430.05	28.00	177.74	38.00	96.51
8.25	2045.70	18.25	418.35	28.25	174.61	38.25	95.25
8.50	1927.23	18.50	407.12	28.50	171.56	38.50	94.02
8.75	1818.77	18.75	396.34	28.75	168.59	38.75	92.81
9.00	1719.20	19.00	385.98	29.00	165.70	39.00	91.62
9.25	1627.60	19.25	376.02	29.25	162.88	39.25	90.46
9.50	1543.12	19.50	366.44	29.50	160.13	39.50	89.32
9.75	1465.05	19.75	357.23	29.75	157.45	39.75	88.20
10.00	1392.76	20.00	348.35	30.00	154.84	40.00	87.10

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 16 – 70%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 2000% reflections)

Meters 1 Collector Meter - 7 SMART Meters
Time Avg: 70% % Reflection 2000%

Distance where limits are exceeded			
FCC ft.	14.94	179.23	Inches
BioInitiative ft.	1180.00	14160.00	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	86.02	54.25	47.35	68.25	29.92	82.25	20.60
40.50	84.96	54.50	46.92	68.50	29.70	82.50	20.48
40.75	83.92	54.75	46.49	68.75	29.48	82.75	20.35
41.00	82.90	55.00	46.07	69.00	29.27	83.00	20.23
41.25	81.90	55.25	45.65	69.25	29.06	83.25	20.11
41.50	80.92	55.50	45.24	69.50	28.85	83.50	19.99
41.75	79.95	55.75	44.84	69.75	28.65	83.75	19.87
42.00	79.00	56.00	44.44	70.00	28.44	84.00	19.75
42.25	78.07	56.25	44.04	70.25	28.24	84.25	19.63
42.50	77.15	56.50	43.66	70.50	28.04	84.50	19.52
42.75	76.25	56.75	43.27	70.75	27.84	84.75	19.40
43.00	75.37	57.00	42.89	71.00	27.65	85.00	19.29
43.25	74.50	57.25	42.52	71.25	27.45	85.25	19.18
43.50	73.65	57.50	42.15	71.50	27.26	85.50	19.06
43.75	72.81	57.75	41.79	71.75	27.07	85.75	18.95
44.00	71.98	58.00	41.43	72.00	26.88	86.00	18.84
44.25	71.17	58.25	41.07	72.25	26.70	86.25	18.73
44.50	70.37	58.50	40.72	72.50	26.51	86.50	18.63
44.75	69.59	58.75	40.38	72.75	26.33	86.75	18.52
45.00	68.82	59.00	40.03	73.00	26.15	87.00	18.41
45.25	68.06	59.25	39.70	73.25	25.97	87.25	18.31
45.50	67.31	59.50	39.36	73.50	25.80	87.50	18.20
45.75	66.58	59.75	39.04	73.75	25.62	87.75	18.10
46.00	65.86	60.00	38.71	74.00	25.45	88.00	18.00
46.25	65.15	60.25	38.39	74.25	25.28	88.25	17.89
46.50	64.45	60.50	38.07	74.50	25.11	88.50	17.79
46.75	63.76	60.75	37.76	74.75	24.94	88.75	17.69
47.00	63.09	61.00	37.45	75.00	24.78	89.00	17.59
47.25	62.42	61.25	37.15	75.25	24.61	89.25	17.50
47.50	61.77	61.50	36.85	75.50	24.45	89.50	17.40
47.75	61.12	61.75	36.55	75.75	24.29	89.75	17.30
48.00	60.49	62.00	36.25	76.00	24.13	90.00	17.21
48.25	59.86	62.25	35.96	76.25	23.97	90.25	17.11
48.50	59.25	62.50	35.68	76.50	23.81	90.50	17.02
48.75	58.64	62.75	35.39	76.75	23.66	90.75	16.92
49.00	58.04	63.00	35.11	77.00	23.51	91.00	16.83
49.25	57.45	63.25	34.84	77.25	23.35	91.25	16.74
49.50	56.88	63.50	34.56	77.50	23.20	91.50	16.65
49.75	56.31	63.75	34.29	77.75	23.05	91.75	16.56
50.00	55.74	64.00	34.02	78.00	22.91	92.00	16.47
50.25	55.19	64.25	33.76	78.25	22.76	92.25	16.38
50.50	54.65	64.50	33.50	78.50	22.62	92.50	16.29
50.75	54.11	64.75	33.24	78.75	22.47	92.75	16.20
51.00	53.58	65.00	32.98	79.00	22.33	93.00	16.11
51.25	53.06	65.25	32.73	79.25	22.19	93.25	16.03
51.50	52.54	65.50	32.48	79.50	22.05	93.50	15.94
51.75	52.04	65.75	32.24	79.75	21.91	93.75	15.86
52.00	51.54	66.00	31.99	80.00	21.78	94.00	15.77
52.25	51.05	66.25	31.75	80.25	21.64	94.25	15.69
52.50	50.56	66.50	31.51	80.50	21.51	94.50	15.61
52.75	50.08	66.75	31.28	80.75	21.37	94.75	15.52
53.00	49.61	67.00	31.05	81.00	21.24	95.00	15.44
53.25	49.15	67.25	30.81	81.25	21.11	95.25	15.36
53.50	48.69	67.50	30.59	81.50	20.98	95.50	15.28
53.75	48.24	67.75	30.36	81.75	20.85	95.75	15.20
54.00	47.79	68.00	30.14	82.00	20.73	96.00	15.12

Table 16 – 70%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 2000% reflections)

Meters 1 Collector Meter - 7 SMART Meters

Time Avg: 80% % Reflection 2000%

Distance where limits are exceeded			
FCC ft.	15.97	191.6	Inches
BioInitiative ft.	1260.00	15120.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	1274175.81	10.25	1515.07	20.25	388.35	30.25	174.04
0.50	509670.33	10.50	1443.83	20.50	378.94	30.50	171.20
0.75	254835.16	10.75	1377.49	20.75	369.86	30.75	168.43
1.00	149903.04	11.00	1315.62	21.00	361.11	31.00	165.72
1.25	98013.52	11.25	1257.82	21.25	352.66	31.25	163.08
1.50	68874.37	11.50	1203.76	21.50	344.51	31.50	160.51
1.75	50967.03	11.75	1153.10	21.75	336.64	31.75	157.99
2.00	39205.41	12.00	1105.58	22.00	329.03	32.00	155.53
2.25	31077.46	12.25	1060.93	22.25	321.68	32.25	153.13
2.50	25231.20	12.50	1018.93	22.50	314.57	32.50	150.78
2.75	20888.13	12.75	979.38	22.75	307.70	32.75	148.49
3.00	17574.84	13.00	942.09	23.00	301.05	33.00	146.25
3.25	14990.30	13.25	906.89	23.25	294.61	33.25	144.06
3.50	12935.80	13.50	873.62	23.50	288.37	33.50	141.91
3.75	11275.89	13.75	842.15	23.75	282.33	33.75	139.82
4.00	9915.77	14.00	812.35	24.00	276.48	34.00	137.77
4.25	8787.42	14.25	784.11	24.25	270.81	34.25	135.77
4.50	7841.08	14.50	757.31	24.50	265.32	34.50	133.81
4.75	7039.65	14.75	731.86	24.75	259.98	34.75	131.89
5.00	6354.99	15.00	707.68	25.00	254.81	35.00	130.01
5.25	5765.50	15.25	684.67	25.25	249.79	35.25	128.17
5.50	5254.33	15.50	662.77	25.50	244.92	35.50	126.37
5.75	4808.21	15.75	641.90	25.75	240.18	35.75	124.61
6.00	4416.55	16.00	622.00	26.00	235.59	36.00	122.89
6.25	4070.85	16.25	603.02	26.25	231.12	36.25	121.20
6.50	3764.18	16.50	584.89	26.50	226.78	36.50	119.55
6.75	3490.89	16.75	567.56	26.75	222.56	36.75	117.92
7.00	3246.31	17.00	550.99	27.00	218.46	37.00	116.34
7.25	3026.55	17.25	535.14	27.25	214.47	37.25	114.78
7.50	2828.36	17.50	519.97	27.50	210.59	37.50	113.26
7.75	2649.01	17.75	505.42	27.75	206.81	37.75	111.76
8.00	2486.20	18.00	491.49	28.00	203.14	38.00	110.29
8.25	2337.94	18.25	478.11	28.25	199.56	38.25	108.86
8.50	2202.55	18.50	465.28	28.50	196.07	38.50	107.45
8.75	2078.59	18.75	452.96	28.75	192.68	38.75	106.07
9.00	1964.80	19.00	441.12	29.00	189.37	39.00	104.71
9.25	1860.11	19.25	429.74	29.25	186.15	39.25	103.38
9.50	1763.57	19.50	418.79	29.50	183.01	39.50	102.08
9.75	1674.34	19.75	408.26	29.75	179.94	39.75	100.80
10.00	1591.72	20.00	398.12	30.00	176.96	40.00	99.54

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 16 – 80%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 2000% reflections)

Meters 1 Collector Meter - 7 SMART Meters
Time Avg: 80% % Reflection 2000%

Distance where limits are exceeded			
FCC ft. 15.97		191.62 Inches	
BioInitiative ft. 1260.00		15120.00 Inches	

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	98.31	54.25	54.12	68.25	34.19	82.25	23.54
40.50	97.10	54.50	53.62	68.50	33.94	82.50	23.40
40.75	95.91	54.75	53.13	68.75	33.70	82.75	23.26
41.00	94.74	55.00	52.65	69.00	33.45	83.00	23.12
41.25	93.60	55.25	52.18	69.25	33.21	83.25	22.98
41.50	92.48	55.50	51.71	69.50	32.97	83.50	22.84
41.75	91.37	55.75	51.24	69.75	32.74	83.75	22.71
42.00	90.29	56.00	50.79	70.00	32.50	84.00	22.57
42.25	89.22	56.25	50.34	70.25	32.27	84.25	22.44
42.50	88.18	56.50	49.89	70.50	32.04	84.50	22.31
42.75	87.15	56.75	49.45	70.75	31.82	84.75	22.17
43.00	86.14	57.00	49.02	71.00	31.59	85.00	22.04
43.25	85.14	57.25	48.59	71.25	31.37	85.25	21.92
43.50	84.17	57.50	48.17	71.50	31.15	85.50	21.79
43.75	83.21	57.75	47.76	71.75	30.94	85.75	21.66
44.00	82.27	58.00	47.35	72.00	30.72	86.00	21.53
44.25	81.34	58.25	46.94	72.25	30.51	86.25	21.41
44.50	80.43	58.50	46.54	72.50	30.30	86.50	21.29
44.75	79.53	58.75	46.14	72.75	30.09	86.75	21.16
45.00	78.65	59.00	45.75	73.00	29.89	87.00	21.04
45.25	77.78	59.25	45.37	73.25	29.68	87.25	20.92
45.50	76.93	59.50	44.99	73.50	29.48	87.50	20.80
45.75	76.09	59.75	44.61	73.75	29.28	87.75	20.68
46.00	75.27	60.00	44.24	74.00	29.09	88.00	20.57
46.25	74.46	60.25	43.88	74.25	28.89	88.25	20.45
46.50	73.66	60.50	43.51	74.50	28.70	88.50	20.34
46.75	72.87	60.75	43.16	74.75	28.50	88.75	20.22
47.00	72.10	61.00	42.80	75.00	28.31	89.00	20.11
47.25	71.34	61.25	42.45	75.25	28.13	89.25	19.99
47.50	70.59	61.50	42.11	75.50	27.94	89.50	19.88
47.75	69.85	61.75	41.77	75.75	27.76	89.75	19.77
48.00	69.13	62.00	41.43	76.00	27.57	90.00	19.66
48.25	68.41	62.25	41.10	76.25	27.39	90.25	19.55
48.50	67.71	62.50	40.77	76.50	27.22	90.50	19.45
48.75	67.02	62.75	40.45	76.75	27.04	90.75	19.34
49.00	66.33	63.00	40.13	77.00	26.86	91.00	19.23
49.25	65.66	63.25	39.81	77.25	26.69	91.25	19.13
49.50	65.00	63.50	39.50	77.50	26.52	91.50	19.02
49.75	64.35	63.75	39.19	77.75	26.35	91.75	18.92
50.00	63.71	64.00	38.88	78.00	26.18	92.00	18.82
50.25	63.07	64.25	38.58	78.25	26.01	92.25	18.72
50.50	62.45	64.50	38.28	78.50	25.85	92.50	18.61
50.75	61.84	64.75	37.99	78.75	25.68	92.75	18.51
51.00	61.23	65.00	37.70	79.00	25.52	93.00	18.41
51.25	60.64	65.25	37.41	79.25	25.36	93.25	18.32
51.50	60.05	65.50	37.12	79.50	25.20	93.50	18.22
51.75	59.47	65.75	36.84	79.75	25.04	93.75	18.12
52.00	58.90	66.00	36.56	80.00	24.89	94.00	18.03
52.25	58.34	66.25	36.29	80.25	24.73	94.25	17.93
52.50	57.78	66.50	36.02	80.50	24.58	94.50	17.83
52.75	57.24	66.75	35.75	80.75	24.43	94.75	17.74
53.00	56.70	67.00	35.48	81.00	24.28	95.00	17.65
53.25	56.17	67.25	35.22	81.25	24.13	95.25	17.56
53.50	55.64	67.50	34.96	81.50	23.98	95.50	17.46
53.75	55.13	67.75	34.70	81.75	23.83	95.75	17.37
54.00	54.62	68.00	34.44	82.00	23.69	96.00	17.28

Table 16 – 80%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 2000% reflections)

Meters 1 Collector Meter - 7 SMART Meters

Time Avg: 90% % Reflection 2000%

Distance where limits are exceeded			
FCC ft.	16.94	203.2	Inches
BioInitiative ft.	1340.00	16080.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	1433447.79	10.25	1704.46	20.25	436.89	30.25	195.80
0.50	573379.12	10.50	1624.30	20.50	426.30	30.50	192.60
0.75	286689.56	10.75	1549.67	20.75	416.10	30.75	189.48
1.00	168640.92	11.00	1480.07	21.00	406.25	31.00	186.44
1.25	110265.21	11.25	1415.05	21.25	396.75	31.25	183.47
1.50	77483.66	11.50	1354.23	21.50	387.58	31.50	180.57
1.75	57337.91	11.75	1297.24	21.75	378.72	31.75	177.74
2.00	44106.09	12.00	1243.77	22.00	370.16	32.00	174.97
2.25	34962.14	12.25	1193.55	22.25	361.89	32.25	172.27
2.50	28385.10	12.50	1146.30	22.50	353.89	32.50	169.63
2.75	23499.14	12.75	1101.80	22.75	346.16	32.75	167.05
3.00	19771.69	13.00	1059.85	23.00	338.68	33.00	164.53
3.25	16864.09	13.25	1020.25	23.25	331.43	33.25	162.06
3.50	14552.77	13.50	982.82	23.50	324.42	33.50	159.65
3.75	12685.38	13.75	947.42	23.75	317.63	33.75	157.30
4.00	11155.24	14.00	913.90	24.00	311.04	34.00	154.99
4.25	9885.85	14.25	882.12	24.25	304.66	34.25	152.74
4.50	8821.22	14.50	851.97	24.50	298.48	34.50	150.53
4.75	7919.60	14.75	823.35	24.75	292.48	34.75	148.37
5.00	7149.37	15.00	796.14	25.00	286.66	35.00	146.26
5.25	6486.19	15.25	770.26	25.25	281.01	35.25	144.20
5.50	5911.12	15.50	745.62	25.50	275.53	35.50	142.17
5.75	5409.24	15.75	722.14	25.75	270.21	35.75	140.19
6.00	4968.62	16.00	699.75	26.00	265.04	36.00	138.25
6.25	4579.71	16.25	678.39	26.25	260.01	36.25	136.35
6.50	4234.71	16.50	658.00	26.50	255.13	36.50	134.49
6.75	3927.25	16.75	638.51	26.75	250.38	36.75	132.67
7.00	3652.10	17.00	619.87	27.00	245.77	37.00	130.88
7.25	3404.86	17.25	602.04	27.25	241.28	37.25	129.13
7.50	3181.90	17.50	584.96	27.50	236.91	37.50	127.41
7.75	2980.14	17.75	568.60	27.75	232.66	37.75	125.73
8.00	2796.97	18.00	552.92	28.00	228.53	38.00	124.08
8.25	2630.18	18.25	537.88	28.25	224.50	38.25	122.46
8.50	2477.87	18.50	523.44	28.50	220.58	38.50	120.88
8.75	2338.41	18.75	509.58	28.75	216.76	38.75	119.32
9.00	2210.41	19.00	496.26	29.00	213.04	39.00	117.80
9.25	2092.62	19.25	483.46	29.25	209.42	39.25	116.30
9.50	1984.01	19.50	471.14	29.50	205.88	39.50	114.84
9.75	1883.64	19.75	459.29	29.75	202.44	39.75	113.40
10.00	1790.69	20.00	447.88	30.00	199.08	40.00	111.98

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 16 – 90%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 2000% reflections)

Meters 1 Collector Meter - 7 SMART Meters
Time Avg: 90% % Reflection 2000%

Distance where limits are exceeded			
FCC ft. 16.94		203.24 Inches	
BioInitiative ft. 1340.00		16080.00 Inches	

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	110.60	54.25	60.88	68.25	38.47	82.25	26.49
40.50	109.24	54.50	60.32	68.50	38.19	82.50	26.33
40.75	107.90	54.75	59.77	68.75	37.91	82.75	26.17
41.00	106.59	55.00	59.23	69.00	37.63	83.00	26.01
41.25	105.30	55.25	58.70	69.25	37.36	83.25	25.85
41.50	104.04	55.50	58.17	69.50	37.10	83.50	25.70
41.75	102.79	55.75	57.65	69.75	36.83	83.75	25.55
42.00	101.57	56.00	57.14	70.00	36.57	84.00	25.39
42.25	100.37	56.25	56.63	70.25	36.31	84.25	25.24
42.50	99.20	56.50	56.13	70.50	36.05	84.50	25.09
42.75	98.04	56.75	55.64	70.75	35.80	84.75	24.95
43.00	96.90	57.00	55.15	71.00	35.54	85.00	24.80
43.25	95.79	57.25	54.67	71.25	35.30	85.25	24.65
43.50	94.69	57.50	54.19	71.50	35.05	85.50	24.51
43.75	93.61	57.75	53.73	71.75	34.81	85.75	24.37
44.00	92.55	58.00	53.26	72.00	34.56	86.00	24.23
44.25	91.51	58.25	52.81	72.25	34.33	86.25	24.09
44.50	90.48	58.50	52.36	72.50	34.09	86.50	23.95
44.75	89.47	58.75	51.91	72.75	33.85	86.75	23.81
45.00	88.48	59.00	51.47	73.00	33.62	87.00	23.67
45.25	87.51	59.25	51.04	73.25	33.39	87.25	23.54
45.50	86.55	59.50	50.61	73.50	33.17	87.50	23.40
45.75	85.60	59.75	50.19	73.75	32.94	87.75	23.27
46.00	84.68	60.00	49.77	74.00	32.72	88.00	23.14
46.25	83.76	60.25	49.36	74.25	32.50	88.25	23.01
46.50	82.87	60.50	48.95	74.50	32.28	88.50	22.88
46.75	81.98	60.75	48.55	74.75	32.07	88.75	22.75
47.00	81.11	61.00	48.15	75.00	31.85	89.00	22.62
47.25	80.26	61.25	47.76	75.25	31.64	89.25	22.49
47.50	79.41	61.50	47.37	75.50	31.43	89.50	22.37
47.75	78.58	61.75	46.99	75.75	31.23	89.75	22.24
48.00	77.77	62.00	46.61	76.00	31.02	90.00	22.12
48.25	76.96	62.25	46.24	76.25	30.82	90.25	22.00
48.50	76.17	62.50	45.87	76.50	30.62	90.50	21.88
48.75	75.39	62.75	45.50	76.75	30.42	90.75	21.76
49.00	74.63	63.00	45.14	77.00	30.22	91.00	21.64
49.25	73.87	63.25	44.79	77.25	30.03	91.25	21.52
49.50	73.13	63.50	44.44	77.50	29.83	91.50	21.40
49.75	72.39	63.75	44.09	77.75	29.64	91.75	21.29
50.00	71.67	64.00	43.74	78.00	29.45	92.00	21.17
50.25	70.96	64.25	43.40	78.25	29.26	92.25	21.06
50.50	70.26	64.50	43.07	78.50	29.08	92.50	20.94
50.75	69.57	64.75	42.74	78.75	28.89	92.75	20.83
51.00	68.89	65.00	42.41	79.00	28.71	93.00	20.72
51.25	68.22	65.25	42.08	79.25	28.53	93.25	20.61
51.50	67.56	65.50	41.76	79.50	28.35	93.50	20.50
51.75	66.91	65.75	41.45	79.75	28.17	93.75	20.39
52.00	66.26	66.00	41.13	80.00	28.00	94.00	20.28
52.25	65.63	66.25	40.82	80.25	27.82	94.25	20.17
52.50	65.01	66.50	40.52	80.50	27.65	94.50	20.06
52.75	64.39	66.75	40.21	80.75	27.48	94.75	19.96
53.00	63.79	67.00	39.92	81.00	27.31	95.00	19.85
53.25	63.19	67.25	39.62	81.25	27.14	95.25	19.75
53.50	62.60	67.50	39.33	81.50	26.98	95.50	19.65
53.75	62.02	67.75	39.04	81.75	26.81	95.75	19.54
54.00	61.45	68.00	38.75	82.00	26.65	96.00	19.44

Table 16 – 90%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 2000% reflections)

Meters 1 Collector Meter - 7 SMART Meters

Time Avg: 100% % Reflection 2000%

Distance where limits are exceeded			
FCC ft.	17.85	214.2	Inches
BioInitiative ft.	1410.00	16920.0	Inches

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
0.25	1592719.77	10.25	1893.84	20.25	485.44	30.25	217.55
0.50	637087.91	10.50	1804.78	20.50	473.67	30.50	214.00
0.75	318543.95	10.75	1721.86	20.75	462.33	30.75	210.54
1.00	187378.80	11.00	1644.52	21.00	451.39	31.00	207.16
1.25	122516.91	11.25	1572.28	21.25	440.83	31.25	203.86
1.50	86092.96	11.50	1504.70	21.50	430.64	31.50	200.63
1.75	63708.79	11.75	1441.38	21.75	420.80	31.75	197.49
2.00	49006.76	12.00	1381.97	22.00	411.29	32.00	194.41
2.25	38846.82	12.25	1326.16	22.25	402.10	32.25	191.41
2.50	31539.01	12.50	1273.67	22.50	393.22	32.50	188.48
2.75	26110.16	12.75	1224.23	22.75	384.62	32.75	185.61
3.00	21968.55	13.00	1177.61	23.00	376.31	33.00	182.81
3.25	18737.88	13.25	1133.61	23.25	368.26	33.25	180.07
3.50	16169.74	13.50	1092.03	23.50	360.47	33.50	177.39
3.75	14094.87	13.75	1052.69	23.75	352.92	33.75	174.77
4.00	12394.71	14.00	1015.44	24.00	345.60	34.00	172.21
4.25	10984.27	14.25	980.14	24.25	338.52	34.25	169.71
4.50	9801.35	14.50	946.64	24.50	331.64	34.50	167.26
4.75	8799.56	14.75	914.83	24.75	324.98	34.75	164.86
5.00	7943.74	15.00	884.60	25.00	318.51	35.00	162.51
5.25	7206.88	15.25	855.84	25.25	312.24	35.25	160.22
5.50	6567.92	15.50	828.46	25.50	306.15	35.50	157.97
5.75	6010.26	15.75	802.38	25.75	300.23	35.75	155.77
6.00	5520.69	16.00	777.51	26.00	294.48	36.00	153.61
6.25	5088.56	16.25	753.77	26.25	288.90	36.25	151.50
6.50	4705.23	16.50	731.11	26.50	283.48	36.50	149.43
6.75	4363.62	16.75	709.45	26.75	278.20	36.75	147.41
7.00	4057.88	17.00	688.74	27.00	273.08	37.00	145.42
7.25	3783.18	17.25	668.93	27.25	268.09	37.25	143.48
7.50	3535.45	17.50	649.96	27.50	263.24	37.50	141.57
7.75	3311.27	17.75	631.78	27.75	258.52	37.75	139.70
8.00	3107.75	18.00	614.36	28.00	253.92	38.00	137.87
8.25	2922.42	18.25	597.64	28.25	249.45	38.25	136.07
8.50	2753.19	18.50	581.60	28.50	245.09	38.50	134.31
8.75	2598.24	18.75	566.20	28.75	240.85	38.75	132.58
9.00	2456.01	19.00	551.40	29.00	236.71	39.00	130.89
9.25	2325.14	19.25	537.17	29.25	232.68	39.25	129.23
9.50	2204.46	19.50	523.49	29.50	228.76	39.50	127.60
9.75	2092.93	19.75	510.32	29.75	224.93	39.75	126.00
10.00	1989.66	20.00	497.65	30.00	221.20	40.00	124.43

Notes:

1) Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections
   S = EIRP*[TA*(1+%Ref)2] / (4pi()R2)
   S = Power Density uW/cm^2
   EIRP = 1.64*ERP
   pi() = 3.1459
   R = Distance to device
   TA = Time average
   %Ref = Percent reflections
2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
4) Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
6) Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

Table 16 – 100%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 2000% reflections)

Meters 1 Collector Meter - 7 SMART Meters
Time Avg: 100% % Reflection 2000%

Distance where limits are exceeded			
FCC ft. 17.85		214.24 Inches	
BioInitiative ft. 1410.00		16920.00 Inches	

Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2	Distance (ft)	uW/cm^2
40.25	122.89	54.25	67.65	68.25	42.74	82.25	29.43
40.50	121.37	54.50	67.03	68.50	42.43	82.50	29.25
40.75	119.89	54.75	66.42	68.75	42.12	82.75	29.07
41.00	118.43	55.00	65.81	69.00	41.82	83.00	28.90
41.25	117.00	55.25	65.22	69.25	41.51	83.25	28.73
41.50	115.59	55.50	64.63	69.50	41.22	83.50	28.55
41.75	114.21	55.75	64.05	69.75	40.92	83.75	28.38
42.00	112.86	56.00	63.48	70.00	40.63	84.00	28.22
42.25	111.53	56.25	62.92	70.25	40.34	84.25	28.05
42.50	110.22	56.50	62.37	70.50	40.06	84.50	27.88
42.75	108.93	56.75	61.82	70.75	39.77	84.75	27.72
43.00	107.67	57.00	61.28	71.00	39.49	85.00	27.56
43.25	106.43	57.25	60.74	71.25	39.22	85.25	27.39
43.50	105.21	57.50	60.22	71.50	38.94	85.50	27.23
43.75	104.01	57.75	59.69	71.75	38.67	85.75	27.08
44.00	102.83	58.00	59.18	72.00	38.40	86.00	26.92
44.25	101.67	58.25	58.67	72.25	38.14	86.25	26.76
44.50	100.53	58.50	58.17	72.50	37.88	86.50	26.61
44.75	99.41	58.75	57.68	72.75	37.62	86.75	26.45
45.00	98.31	59.00	57.19	73.00	37.36	87.00	26.30
45.25	97.23	59.25	56.71	73.25	37.10	87.25	26.15
45.50	96.16	59.50	56.24	73.50	36.85	87.50	26.00
45.75	95.12	59.75	55.77	73.75	36.60	87.75	25.86
46.00	94.09	60.00	55.30	74.00	36.36	88.00	25.71
46.25	93.07	60.25	54.84	74.25	36.11	88.25	25.56
46.50	92.07	60.50	54.39	74.50	35.87	88.50	25.42
46.75	91.09	60.75	53.94	74.75	35.63	88.75	25.28
47.00	90.12	61.00	53.50	75.00	35.39	89.00	25.13
47.25	89.17	61.25	53.07	75.25	35.16	89.25	24.99
47.50	88.24	61.50	52.64	75.50	34.93	89.50	24.85
47.75	87.32	61.75	52.21	75.75	34.70	89.75	24.72
48.00	86.41	62.00	51.79	76.00	34.47	90.00	24.58
48.25	85.52	62.25	51.38	76.25	34.24	90.25	24.44
48.50	84.64	62.50	50.97	76.50	34.02	90.50	24.31
48.75	83.77	62.75	50.56	76.75	33.80	90.75	24.17
49.00	82.92	63.00	50.16	77.00	33.58	91.00	24.04
49.25	82.08	63.25	49.76	77.25	33.36	91.25	23.91
49.50	81.25	63.50	49.37	77.50	33.15	91.50	23.78
49.75	80.44	63.75	48.99	77.75	32.93	91.75	23.65
50.00	79.63	64.00	48.61	78.00	32.72	92.00	23.52
50.25	78.84	64.25	48.23	78.25	32.51	92.25	23.39
50.50	78.06	64.50	47.85	78.50	32.31	92.50	23.27
50.75	77.30	64.75	47.49	78.75	32.10	92.75	23.14
51.00	76.54	65.00	47.12	79.00	31.90	93.00	23.02
51.25	75.80	65.25	46.76	79.25	31.70	93.25	22.90
51.50	75.06	65.50	46.40	79.50	31.50	93.50	22.77
51.75	74.34	65.75	46.05	79.75	31.30	93.75	22.65
52.00	73.63	66.00	45.70	80.00	31.11	94.00	22.53
52.25	72.92	66.25	45.36	80.25	30.91	94.25	22.41
52.50	72.23	66.50	45.02	80.50	30.72	94.50	22.29
52.75	71.55	66.75	44.68	80.75	30.53	94.75	22.18
53.00	70.87	67.00	44.35	81.00	30.34	95.00	22.06
53.25	70.21	67.25	44.02	81.25	30.16	95.25	21.94
53.50	69.56	67.50	43.70	81.50	29.97	95.50	21.83
53.75	68.91	67.75	43.37	81.75	29.79	95.75	21.72
54.00	68.27	68.00	43.06	82.00	29.61	96.00	21.60

Table 16 – 100%

Table A17
Radiofrequency Radiation Level at 11" in the Nursery (in uW/cm2)
One Meter, 60% Reflection, 1%-100% Duty Cycle

1%	1.40
5%	7.01
10%	14.01
20%	28.02
30%	42.04
40%	56.05
50%	70.06
60%	84.07
70%	98.09
80%	112.10
90%	126.11
100%	140.12

Table A18
Radiofrequency Radiation Level at 11" in the Nursery (in uW/cm2)
One Meter, 100% Reflection, 1%-100% Duty Cycle

1%	2.19
5%	10.95
10%	21.89
20%	43.79
30%	65.68
40%	87.58
50%	109.47
60%	131.37
70%	153.26
80%	175.16
90%	197.05
100%	218.94

Table A19
Radiofrequency Radiation Level at 11" in the Nursery (in uW/cm2)
One Meter, 1000% Reflection, 1%-100% Duty Cycle

1%	66.23
5%	331.15
10%	662.31
20%	1324.61
30%	1986.92
40%	2649.22
50%	3311.53
60%	3973.84
70%	4636.14
80%	5298.45
90%	5960.75
100%	6623.06

Table A20
Radiofrequency Radiation Level at 11" in the Nursery (in uW/cm2)
One Meter, 2000% Reflection, 1%-100% Duty Cycle

1%	241.39
5%	1206.93
10%	2413.86
20%	4827.72
30%	7241.58
40%	9655.44
50%	12069.30
60%	14483.15
70%	16897.01
80%	19310.87
90%	21724.73
100%	24138.59

Table A21
Radiofrequency Radiation Level at 11" in the Nursery (in uW/cm2)
Four Meters, 60% Reflection, 1%-100% Duty Cycle

1%	4.81
5%	24.04
10%	48.09
20%	96.18
30%	144.27
40%	192.36
50%	240.45
60%	288.54
70%	336.63
80%	384.72
90%	432.81
100%	480.90

Table A22
Radiofrequency Radiation Level at 11" in the Nursery (in uW/cm2)
Four Meters, 100% Reflection, 1%-100% Duty Cycle

1%	7.51
5%	37.57
10%	75.14
20%	150.28
30%	225.42
40%	300.56
50%	375.70
60%	450.84
70%	525.98
80%	601.12
90%	676.27
100%	751.41

Table A23
Radiofrequency Radiation Level at 11" in the Nursery (in uW/cm2)
Four Meters, 1000% Reflection, 1%-100% Duty Cycle

1%	227.30
5%	1136.50
10%	2273.00
20%	4546.01
30%	6819.01
40%	9092.01
50%	11365.01
60%	13638.02
70%	15911.02
80%	18184.02
90%	20457.03
100%	22730.03

Table A24
Radiofrequency Radiation Level at 11" in the Nursery (in uW/cm2)
Four Meters, 2000% Reflection, 1%-100% Duty Cycle

1%	828.42
5%	4142.12
10%	8284.25
20%	16568.50
30%	24852.75
40%	33137.00
50%	41421.25
60%	49705.50
70%	57989.75
80%	66274.00
90%	74558.25
100%	82842.50

Table A25
Radiofrequency Radiation Level at 11" in the Nursery (in uW/cm2)
One Collector, 60% Reflection, 1%-100% Duty Cycle

1%	4.19
5%	20.95
10%	41.90
20%	83.80
30%	125.71
40%	167.61
50%	209.51
60%	251.41
70%	293.32
80%	335.22
90%	377.12
100%	419.02

Table A26
Radiofrequency Radiation Level at 11" in the Nursery (in uW/cm2)
One Collector, 100% Reflection, 1%-100% Duty Cycle

1%	6.55
5%	32.74
10%	65.47
20%	130.94
30%	196.42
40%	261.89
50%	327.36
60%	392.83
70%	458.31
80%	523.78
90%	589.25
100%	654.72

Table A27
Radiofrequency Radiation Level at 11" in the Nursery (in uW/cm2)
One Collector, 1000% Reflection, 1%-100% Duty Cycle

1%	198.05
5%	990.27
10%	1980.54
20%	3961.08
30%	5941.62
40%	7922.16
50%	9902.71
60%	11883.25
70%	13863.79
80%	15844.33
90%	17824.87
100%	19805.41

Table A28
Radiofrequency Radiation Level at 11" in the Nursery (in uW/cm2)
One Collector, 2000% Reflection, 1%-100% Duty Cycle

1%	721.83
5%	3609.17
10%	7218.34
20%	14436.67
30%	21655.01
40%	28873.34
50%	36091.68
60%	43310.01
70%	50528.35
80%	57746.69
90%	64965.02
100%	72183.36

Table A29
Radiofrequency Radiation Level at 11" in the Nursery (in uW/cm2)
1C + 3 SM, 60% Reflection, 1%-100% Duty Cycle

1%	7.60
5%	37.99
10%	75.98
20%	151.96
30%	227.94
40%	303.92
50%	379.90
60%	455.88
70%	531.86
80%	607.84
90%	683.82
100%	759.80

Table A30
Radiofrequency Radiation Level at 11" in the Nursery (in uW/cm2)
1C + 3 SM, 100% Reflection, 1%-100% Duty Cycle

1%	11.87
5%	59.36
10%	118.72
20%	237.44
30%	356.16
40%	474.87
50%	593.59
60%	712.31
70%	831.03
80%	949.75
90%	1068.47
100%	1187.19

Table A31
Radiofrequency Radiation Level at 11" in the Nursery (in uW/cm2)
1C + 3 SM, 1000% Reflection, 1%-100% Duty Cycle

1%	359.12
5%	1795.62
10%	3591.24
20%	7182.48
30%	10773.71
40%	14364.95
50%	17956.19
60%	21547.43
70%	25138.67
80%	28729.90
90%	32321.14
100%	35912.38

Table A32
Radiofrequency Radiation Level at 11" in the Nursery (in uW/cm2)
1C + 3 SM, 2000% Reflection, 1%-100% Duty Cycle

1%	1308.87
5%	6544.36
10%	13088.73
20%	26177.45
30%	39266.18
40%	52354.91
50%	65443.63
60%	78532.36
70%	91621.09
80%	104709.81
90%	117798.54
100%	130887.27

Table A33
Radiofrequency Radiation Level at 28" in the Kitchen (in uW/cm2)
One Meter, 60% Reflection, 1%-100% Duty Cycle

1%	0.22
5%	1.08
10%	2.16
20%	4.33
30%	6.49
40%	8.65
50%	10.81
60%	12.98
70%	15.14
80%	17.30
90%	19.46
100%	21.63

Table A34
Radiofrequency Radiation Level at at 28" in the Kitchen (in uW/cm2)
One Meter, 100% Reflection, 1%-100% Duty Cycle

1%	0.34
5%	1.69
10%	3.38
20%	6.76
30%	10.14
40%	13.52
50%	16.90
60%	20.27
70%	23.65
80%	27.03
90%	30.41
100%	33.79

Table A35
Radiofrequency Radiation Level at 28" in the Kitchen (in uW/cm2)
One Meter, 1000% Reflection, 1%-100% Duty Cycle

1%	10.22
5%	51.11
10%	102.22
20%	204.44
30%	306.65
40%	408.87
50%	511.09
60%	613.31
70%	715.53
80%	817.75
90%	919.96
100%	1022.18

Table A36
Radiofrequency Radiation Level at at 28" in the Kitchen (in uW/cm2)
One Meter, 2000% Reflection, 1%-100% Duty Cycle

1%	37.25
5%	186.27
10%	372.55
20%	745.09
30%	1117.64
40%	1490.19
50%	1862.74
60%	2235.28
70%	2607.83
80%	2980.38
90%	3352.92
100%	3725.47

Table A37
Radiofrequency Radiation Level at 28" in the Kitchen (in uW/cm2)
Four Meters, 60% Reflection, 1%-100% Duty Cycle

1%	0.55
5%	2.75
10%	5.49
20%	10.98
30%	16.47
40%	21.96
50%	27.45
60%	32.94
70%	38.43
80%	43.92
90%	49.41
100%	54.90

Table A38
Radiofrequency Radiation Level at 28" in the Kitchen (in uW/cm2)
Four Meters, 100% Reflection, 1%-100% Duty Cycle

1%	0.86
5%	4.29
10%	8.58
20%	17.16
30%	25.74
40%	34.31
50%	42.89
60%	51.47
70%	60.05
80%	68.63
90%	77.21
100%	85.79

Table A39
Radiofrequency Radiation Level at 28" in the Kitchen (in uW/cm2)
Four Meters, 1000% Reflection, 1%-100% Duty Cycle

1%	25.95
5%	129.75
10%	259.50
20%	519.00
30%	778.51
40%	1038.01
50%	1297.51
60%	1557.01
70%	1816.52
80%	2076.02
90%	2335.52
100%	2595.02

Table A40
Radiofrequency Radiation Level at 28" in the Kitchen (in uW/cm2)
Four Meters, 2000% Reflection, 1%-100% Duty Cycle

1%	94.58
5%	472.89
10%	945.79
20%	1891.58
30%	2837.37
40%	3783.16
50%	4728.95
60%	5674.74
70%	6620.53
80%	7566.32
90%	8512.11
100%	9457.90

Table A41
Radiofrequency Radiation Level at 28" in the Kitchen (in uW/cm2)
One Collector, 60% Reflection, 1%-100% Duty Cycle

1%	0.65
5%	3.23
10%	6.47
20%	12.93
30%	19.40
40%	25.87
50%	32.34
60%	38.80
70%	45.27
80%	51.74
90%	58.20
100%	64.67

Table A42
Radiofrequency Radiation Level] at 28" in the Kitchen (in uW/cm2)
One Collector, 100% Reflection, 1%-100% Duty Cycle

1%	1.01
5%	5.05
10%	10.10
20%	20.21
30%	30.31
40%	40.42
50%	50.52
60%	60.63
70%	70.73
80%	80.84
90%	90.94
100%	101.05

Table A43
Radiofrequency Radiation Level at 28" in the Kitchen (in uW/cm2)
One Collector, 1000% Reflection, 1%-100% Duty Cycle

1%	30.57
5%	152.84
10%	305.67
20%	611.34
30%	917.01
40%	1222.68
50%	1528.35
60%	1834.02
70%	2139.69
80%	2445.36
90%	2751.03
100%	3056.70

Table A44
Radiofrequency Radiation Level at 28" in the Kitchen (in uW/cm2)
One Collector, 2000% Reflection, 1%-100% Duty Cycle

1%	111.41
5%	557.03
10%	1114.05
20%	2228.11
30%	3342.16
40%	4456.22
50%	5570.27
60%	6684.33
70%	7798.38
80%	8912.43
90%	10026.49
100%	11140.54

Table A45
Radiofrequency Radiation Level at 28" in the Kitchen (in uW/cm2)
1C + 3 SM, 60% Reflection, 1%-100% Duty Cycle

1%	0.98
5%	4.90
10%	9.79
20%	19.59
30%	29.38
40%	39.18
50%	48.97
60%	58.77
70%	68.56
80%	78.36
90%	88.15
100%	97.95

Table A46
Radiofrequency Radiation Level at 28" in the Kitchen (in uW/cm2)
1C + 3 SM, 100% Reflection, 1%-100% Duty Cycle

1%	1.53
5%	7.65
10%	15.30
20%	30.61
30%	45.91
40%	61.22
50%	76.52
60%	91.83
70%	107.13
80%	122.43
90%	137.74
100%	153.04

Table A47
Radiofrequency Radiation Level at 28" in the Kitchen (in uW/cm2)
1C + 3 SM, 1000% Reflection, 1%-100% Duty Cycle

1%	46.30
5%	231.48
10%	462.95
20%	925.91
30%	1388.86
40%	1851.82
50%	2314.77
60%	2777.73
70%	3240.68
80%	3703.64
90%	4166.59
100%	4629.54

Table A48
Radiofrequency Radiation Level at 28" in the Kitchen (in uW/cm2)
1C + 3 SM, 2000% Reflection, 1%-100% Duty Cycle

1%	168.73
5%	843.65
10%	1687.30
20%	3374.59
30%	5061.89
40%	6749.19
50%	8436.48
60%	10123.78
70%	11811.08
80%	13498.37
90%	15185.67
100%	16872.97