Exhibit 30.1
Tabulation of Commercial Spacings

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 REFERENCE                                                          DISPLAY DATES
47 06 03.0 N.                CLASS = C1 Int = C1                    DATA   03-13-14
88 33 55.0 W.            Current Spacings to 3rd Adj.               SEARCH 03-13-14
-------------------------- Channel 293 - 106.5 MHz --------------------------

Call        Channel     Location                    Azi     Dist    FCC    Margin
    Lat.         Lng.         Ant     Power                  HAAT
-----------------------------------------------------------------------------
AL3992    AL    293C   Thunder Bay          ON  341.3   153.73  302.0  -148.3
 48 24 30.0    89 14 00.0                0.000 kW          600 M

WHTO      LIC-Z 294C3  Iron Mountain        MI  164.1   147.80  144.0     3.8
 45 49 16.0    88 02 34.0   ZCX         6.100 kW          206 M
    Results Broadcasting Of Ir     BLH20070620ADW
WMXG      LIC   292C2  Stephenson          MI  150.2   186.03  158.0    28.0
 45 38 36.0    87 22 37.0    C         50.000 kW          150 M
    Escanaba License Corp.         BLH19990721KD
W292CG    LIC   292D   Land O' Lakes       WI  204.9   118.60   84.0    34.6
 46 07 53.0    89 12 43.0    C          0.120 kW           29 M
    Wrvm, Inc.                     BLFT20101006ABN
W291CJ    LIC   291D   Marquette           MI  124.3   108.82   74.0    34.8
 46 32 39.0    87 23 32.0    C          0.055 kW          -17 M
    Educational Media Foundati     BLFT20120223ACX
WYTE      LIC   293C1  Marshfield          WI  200.5   290.79  245.0    45.8
 44 38 39.0    89 51 12.0    CN       100.000 kW          244 M
    Nrg License Sub, Llc           BLH19800212AD
 10/31/2002:   coordinates corrected from 44-38-41 NL, 89-51-11 WL on 31 O
ct 2002 to reflect coordinates granted in BLH-800212AD.
WUPM      LIC   295C1  Ironwood            MI  238.1   130.74   82.0    48.7
 46 28 18.0    90 00 43.0    CN        53.000 kW          151 M
    Big G Little O, Inc.           BLH19880929KA
W296AD    LIC   296D   Eagle River         WI  199.9   143.63   74.0    69.6
 45 53 04.0    89 11 47.0    C          0.055 kW           65 M
    Wrvm, Inc.                     BLFT20030919AAQ
W290CO    CP    290D   Iron Mountain       WI  164.1   147.83   74.0    73.8
 45 49 15.0    88 02 35.0    C          0.010 kW          162 M
    Sister Grace, Inc.             BNPFT20130821AAZ
WHWL      LIC   239C1  Marquette           MI  127.1   110.39   34.0    76.4
 46 29 52.0    87 24 59.0    CN       100.000 kW          162 M
    Gospel Opportunities, Inc.     BMLED19950907KB
Commercial Channel Operating Educational
KAOD      LIC   294C2  Babbitt             MN  285.8   260.52  158.0   102.5
 47 41 18.0    91 54 21.0    C         33.000 kW          131 M
    Red Rock Radio Corp.           BLH19990402KF

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Yellow Highlighted Text Denotes an International Short-Spacing toward Canadian facility ALLO293C - Thunder Bay, ON. Full protection will be afforded ALLO293C as the calculated Interference Area will not reach Canadian Soil as noted in ***Exhibit 30.2***.

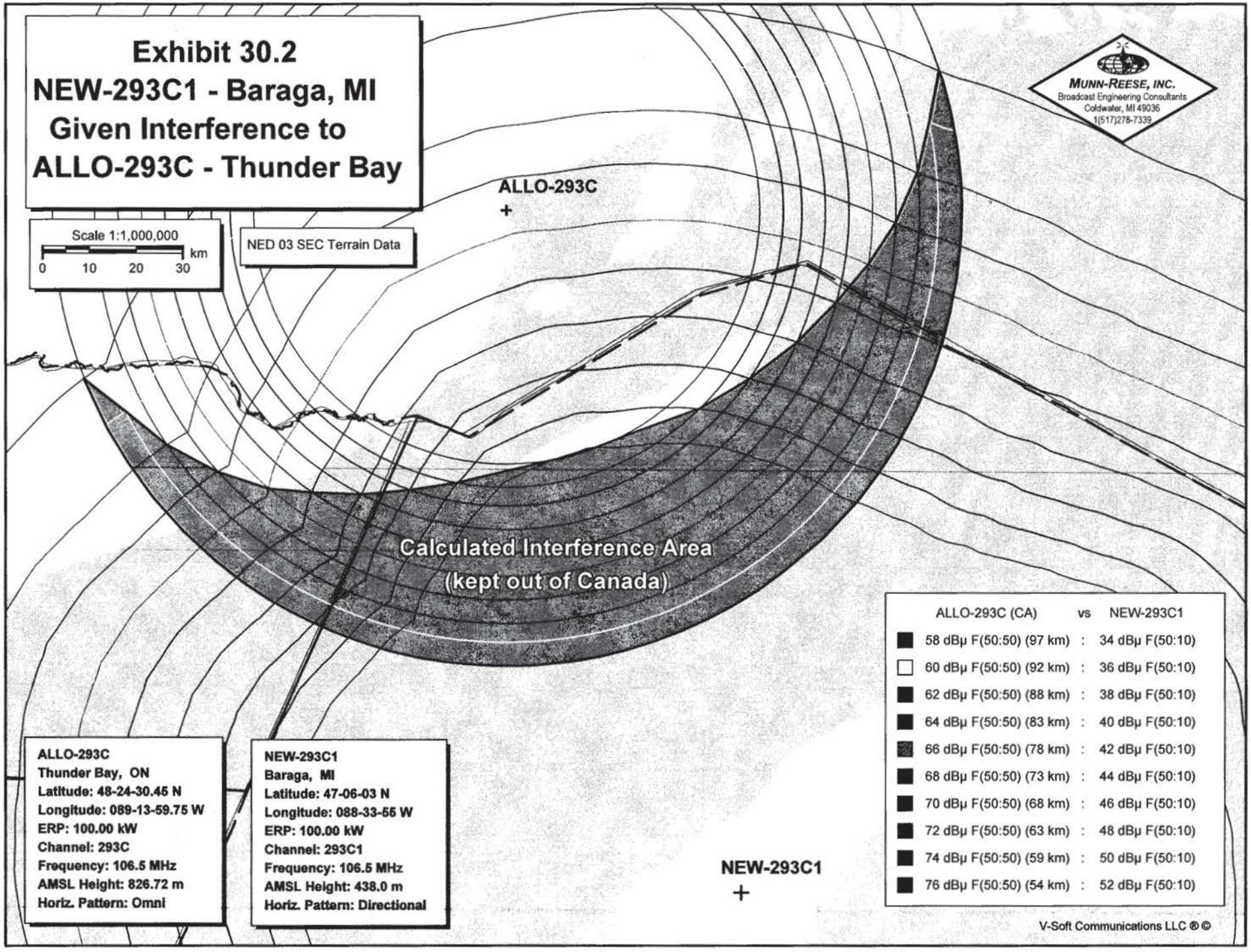


Exhibit 30.2
NEW-293C1 - Baraga, MI
Given Interference to
ALLO-293C - Thunder Bay
Scale 1:1,000,000
km
0 10 20 30
NED 03 SEC Terrain Data
MUNN-REESE, INC.
Broadcast Engineering Consultants
Coldwater, MI 49036
1(517)278-7339
ALLO-293C
Calculated Interference Area
(kept out of Canada)
ALLO-293C (CA) vs NEW-293C1
58 dBμ F(50:50) (97 km) : 34 dBμ F(50:10)
60 dBμ F(50:50) (92 km) : 36 dBμ F(50:10)
62 dBμ F(50:50) (88 km) : 38 dBμ F(50:10)
64 dBμ F(50:50) (83 km) : 40 dBμ F(50:10)
66 dBμ F(50:50) (78 km) : 42 dBμ F(50:10)
68 dBμ F(50:50) (73 km) : 44 dBμ F(50:10)
70 dBμ F(50:50) (68 km) : 46 dBμ F(50:10)
72 dBμ F(50:50) (63 km) : 48 dBμ F(50:10)
74 dBμ F(50:50) (59 km) : 50 dBμ F(50:10)
76 dBμ F(50:50) (54 km) : 52 dBμ F(50:10)
ALLO-293C
Thunder Bay, ON
Latitude: 48-24-30.45 N
Longitude: 089-13-59.75 W
ERP: 100.00 kW
Channel: 293C
Frequency: 106.5 MHz
AMSL Height: 826.72 m
Horiz. Pattern: Omni
NEW-293C1
Baraga, MI
Latitude: 47-06-03 N
Longitude: 088-33-55 W
ERP: 100.00 kW
Channel: 293C1
Frequency: 106.5 MHz
AMSL Height: 438.0 m
Horiz. Pattern: Directional
NEW-293C1
V-Soft Communications LLC ® ©

Exhibit 30.2
Tabulation of Proposed Interference Contour(s) Toward Canada

N. Lat. = 470603.0 W. Lng. = 883355.0
HAAT and Distance to Contour,
FCC, FM 2-10 Mi, 51 pts Method - NED 03 SEC
Ave El= 262.72 M HAAT= 175.28 M AMSL= 438

Azi.	AV EL	HAAT	ERP kW	dBk	Field	34-F1	36-F1	38-F1	40-F1	42-F1
000	296.5	141.5	100.0000	20.00	1.000	187.22	176.19	165.12	153.43	141.75
005	311.0	127.0	100.0000	20.00	1.000	185.04	173.95	162.85	150.97	139.72
010	326.6	111.4	100.0000	20.00	1.000	182.48	171.39	160.31	148.34	137.52
015	341.7	96.3	100.0000	20.00	1.000	179.66	168.65	157.56	145.75	135.21
020	343.7	94.3	100.0000	20.00	1.000	179.27	168.28	157.18	145.41	134.89
025	343.1	94.9	100.0000	20.00	1.000	179.39	168.39	157.29	145.51	134.99
030	343.8	94.2	100.0000	20.00	1.000	179.24	168.25	157.15	145.38	134.87
035	332.2	105.8	100.0000	20.00	1.000	181.47	170.41	159.33	147.38	136.69
040	311.2	126.8	100.0000	20.00	1.000	185.01	173.92	162.82	150.94	139.69
045	283.4	154.6	100.0000	20.00	1.000	189.07	178.12	167.11	155.64	143.62
050	243.6	194.4	100.0000	20.00	1.000	193.85	183.22	172.43	161.18	149.27
055	212.7	225.3	100.0000	20.00	1.000	197.26	186.56	176.10	164.67	153.25
060	195.9	242.1	100.0000	20.00	1.000	199.10	188.22	177.95	166.48	155.14
065	194.3	243.7	100.0000	20.00	1.000	199.27	188.37	178.12	166.66	155.32
070	204.3	233.7	100.0000	20.00	1.000	198.18	187.40	177.05	165.58	154.22
075	214.8	223.2	100.0000	20.00	1.000	197.02	186.35	175.86	164.43	153.00
080	212.3	225.7	100.0000	20.00	1.000	197.30	186.60	176.15	164.71	153.29
085	209.0	229.0	100.0000	20.00	1.000	197.67	186.94	176.53	165.08	153.69
090	207.6	230.4	100.0000	20.00	1.000	197.83	187.08	176.69	165.23	153.85
095	205.3	232.7	100.0000	20.00	1.000	198.07	187.30	176.94	165.47	154.10
100	205.5	232.5	100.0000	20.00	1.000	198.05	187.29	176.92	165.45	154.08
105	202.4	235.6	100.0000	20.00	1.000	198.39	187.59	177.26	165.79	154.43
110	202.7	235.3	100.0000	20.00	1.000	198.36	187.56	177.23	165.76	154.40
115	203.8	234.2	100.0000	20.00	1.000	198.24	187.45	177.10	165.63	154.27
120	202.9	235.1	100.0000	20.00	1.000	198.34	187.54	177.20	165.74	154.38
125	202.5	235.5	100.0000	20.00	1.000	198.38	187.58	177.25	165.78	154.42
130	199.8	238.2	100.0000	20.00	1.000	198.68	187.85	177.55	166.07	154.72
135	193.5	244.5	100.0000	20.00	1.000	199.35	188.45	178.20	166.74	155.40
140	191.6	246.4	100.0000	20.00	1.000	199.56	188.63	178.39	166.94	155.60
145	198.7	239.3	100.0000	20.00	1.000	198.79	187.95	177.65	166.18	154.84
150	207.1	230.9	100.0000	20.00	1.000	197.88	187.13	176.74	165.29	153.91
155	211.6	226.4	100.0000	20.00	1.000	197.38	186.67	176.22	164.79	153.38
160	214.6	223.4	100.0000	20.00	1.000	197.05	186.37	175.88	164.46	153.02
165	222.8	215.2	100.0000	20.00	1.000	196.14	185.51	174.93	163.55	152.02
170	237.1	200.9	100.0000	20.00	1.000	194.56	183.95	173.22	161.93	150.16
175	259.7	178.3	100.0000	20.00	1.000	192.06	181.31	170.42	159.20	147.01
180	264.0	174.0	100.0000	20.00	1.000	191.56	180.77	169.85	158.62	146.39
185	267.2	170.8	100.0000	20.00	1.000	191.18	180.36	169.42	158.17	145.94
190	261.9	176.1	100.0000	20.00	1.000	191.81	181.04	170.13	158.91	146.70
195	270.5	167.5	100.0000	20.00	1.000	190.77	179.92	168.96	157.67	145.46
200	265.7	172.3	100.0000	20.00	1.000	191.36	180.55	169.62	158.38	146.15
205	263.0	175.0	100.0000	20.00	1.000	191.68	180.90	169.99	158.76	146.54
210	279.4	158.6	100.0000	20.00	1.000	189.62	178.70	167.70	156.29	144.20
215	308.5	129.5	100.0000	20.00	1.000	185.42	174.34	163.24	151.39	140.06
220	332.9	105.1	100.0000	20.00	1.000	181.35	170.29	159.21	147.27	136.59
225	343.3	94.7	100.0000	20.00	1.000	179.34	168.34	157.24	145.47	134.95
230	362.5	75.5	100.0000	20.00	1.000	175.39	164.54	153.39	142.13	131.61
235	379.9	58.1	100.0000	20.00	1.000	171.54	160.83	149.78	138.87	128.13
240	375.1	62.9	100.0000	20.00	1.000	172.64	161.89	150.80	139.82	129.15
245	369.7	68.3	100.0000	20.00	1.000	173.82	163.03	151.90	140.82	130.22
250	348.8	89.2	100.0000	20.00	1.000	178.25	167.29	156.17	144.53	134.04
255	333.0	105.0	100.0000	20.00	1.000	181.33	170.27	159.19	147.25	136.57
260	315.7	122.3	100.0000	20.00	1.000	184.31	173.21	162.11	150.18	139.06
265	302.5	135.5	100.0000	20.00	1.000	186.33	175.27	164.18	152.40	140.90
270	289.8	148.2	100.0000	20.00	1.000	188.20	177.20	166.16	154.58	142.72
275	283.9	154.1	100.0000	20.00	1.000	189.01	178.06	167.05	155.56	143.56
280	279.1	158.9	100.0000	20.00	1.000	189.65	178.73	167.74	156.33	144.23
285	269.5	168.5	100.0000	20.00	1.000	190.89	180.05	169.11	157.83	145.61
290	271.9	166.1	100.0000	20.00	1.000	190.59	179.73	168.77	157.46	145.26
295	253.8	184.2	81.0000	19.08	0.900	187.80	177.11	166.07	154.45	142.79
300	244.6	193.4	64.0000	18.06	0.800	183.43	172.65	161.42	149.50	138.56
305	231.1	206.9	52.5625	17.21	0.725	180.50	169.49	158.09	146.40	135.74
310	222.3	215.7	42.2500	16.26	0.650	176.42	165.08	153.59	142.32	131.89
315	221.4	216.6	52.5625	17.21	0.725	181.60	170.62	159.20	147.65	136.89
320	229.8	208.2	64.0000	18.06	0.800	185.08	174.44	163.11	151.49	140.36
325	234.9	203.1	81.0000	19.08	0.900	189.87	179.41	168.35	156.92	145.23
330	242.0	196.0	100.0000	20.00	1.000	194.02	183.40	172.62	161.36	149.49
335	245.1	192.9	100.0000	20.00	1.000	193.69	183.05	172.25	161.01	149.07
340	248.2	189.8	100.0000	20.00	1.000	193.34	182.69	171.86	160.64	148.64
345	262.9	175.1	100.0000	20.00	1.000	191.69	180.91	170.00	158.77	146.55
350	270.9	167.1	100.0000	20.00	1.000	190.72	179.87	168.92	157.62	145.41
355	282.0	156.0	100.0000	20.00	1.000	189.27	178.33	167.32	155.87	143.82

Exhibit 30.2
Tabulation of Proposed Interference Contour(s) Toward Canada

N. Lat. = 470603.0 W. Lng. = 883355.0
HAAT and Distance to Contour,
FCC, FM 2-10 Mi, 51 pts Method - NED 03 SEC
Ave El= 262.72 M HAAT= 175.28 M AMSL= 438

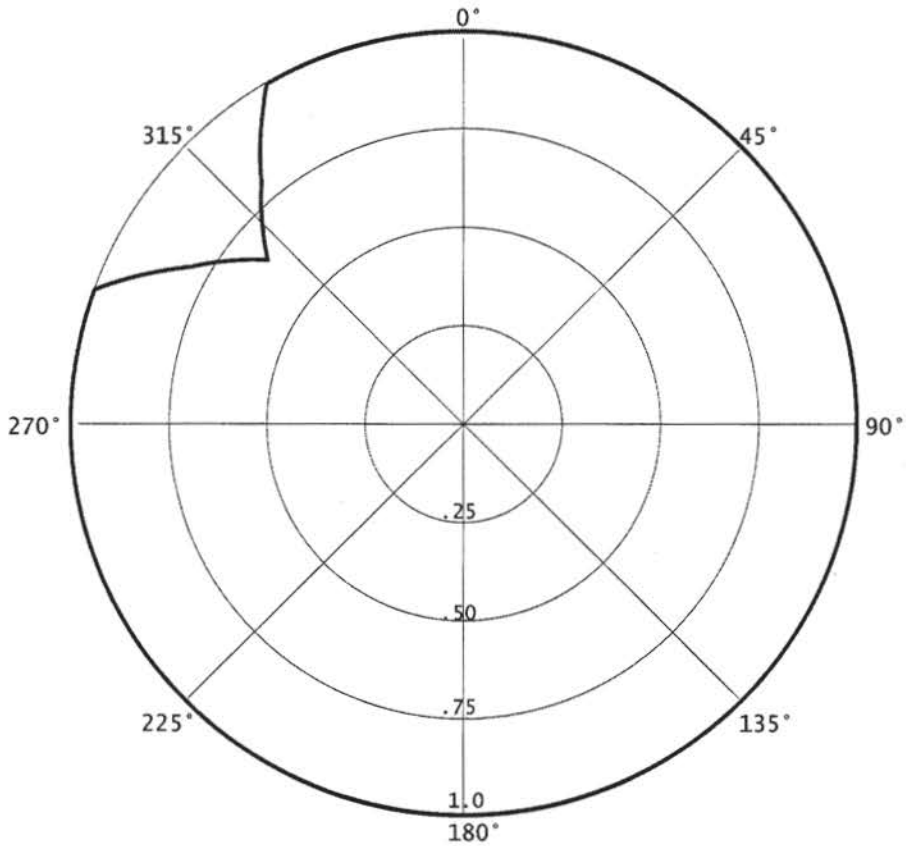
Azi.	AV EL	HAAT	ERP kW	dBk	Field	44-F1	46-F1	48-F1	50-F1	52-F1
000	296.5	141.5	100.0000	20.00	1.000	131.52	120.86	110.31	101.46	93.87
005	311.0	127.0	100.0000	20.00	1.000	129.48	118.45	107.98	99.31	91.75
010	326.6	111.4	100.0000	20.00	1.000	127.13	115.76	105.47	96.87	89.32
015	341.7	96.3	100.0000	20.00	1.000	124.52	113.08	102.97	94.39	86.83
020	343.7	94.3	100.0000	20.00	1.000	124.16	112.73	102.64	94.06	86.49
025	343.1	94.9	100.0000	20.00	1.000	124.27	112.84	102.74	94.16	86.59
030	343.8	94.2	100.0000	20.00	1.000	124.13	112.71	102.62	94.04	86.47
035	332.2	105.8	100.0000	20.00	1.000	126.20	114.78	104.56	95.97	88.42
040	311.2	126.8	100.0000	20.00	1.000	129.45	118.42	107.95	99.28	91.72
045	283.4	154.6	100.0000	20.00	1.000	133.31	122.90	112.46	103.37	95.69
050	243.6	194.4	100.0000	20.00	1.000	138.36	128.06	118.02	108.62	100.85
055	212.7	225.3	100.0000	20.00	1.000	142.09	131.69	121.58	112.27	104.41
060	195.9	242.1	100.0000	20.00	1.000	144.09	133.65	123.52	114.19	106.22
065	194.3	243.7	100.0000	20.00	1.000	144.29	133.84	123.71	114.38	106.39
070	204.3	233.7	100.0000	20.00	1.000	143.10	132.67	122.54	113.24	105.32
075	214.8	223.2	100.0000	20.00	1.000	141.84	131.44	121.34	112.02	104.17
080	212.3	225.7	100.0000	20.00	1.000	142.14	131.74	121.63	112.32	104.45
085	209.0	229.0	100.0000	20.00	1.000	142.54	132.13	122.01	112.70	104.82
090	207.6	230.4	100.0000	20.00	1.000	142.71	132.30	122.17	112.87	104.97
095	205.3	232.7	100.0000	20.00	1.000	142.98	132.56	122.43	113.12	105.21
100	205.5	232.5	100.0000	20.00	1.000	142.95	132.53	122.41	113.10	105.19
105	202.4	235.6	100.0000	20.00	1.000	143.33	132.90	122.77	113.46	105.53
110	202.7	235.3	100.0000	20.00	1.000	143.29	132.87	122.73	113.42	105.50
115	203.8	234.2	100.0000	20.00	1.000	143.15	132.73	122.60	113.29	105.37
120	202.9	235.1	100.0000	20.00	1.000	143.27	132.84	122.71	113.40	105.47
125	202.5	235.5	100.0000	20.00	1.000	143.31	132.88	122.75	113.44	105.51
130	199.8	238.2	100.0000	20.00	1.000	143.64	133.20	123.07	113.75	105.81
135	193.5	244.5	100.0000	20.00	1.000	144.37	133.93	123.80	114.46	106.46
140	191.6	246.4	100.0000	20.00	1.000	144.59	134.15	124.02	114.68	106.67
145	198.7	239.3	100.0000	20.00	1.000	143.76	133.32	123.19	113.87	105.92
150	207.1	230.9	100.0000	20.00	1.000	142.77	132.35	122.23	112.92	105.03
155	211.6	226.4	100.0000	20.00	1.000	142.22	131.82	121.70	112.40	104.53
160	214.6	223.4	100.0000	20.00	1.000	141.87	131.47	121.36	112.05	104.20
165	222.8	215.2	100.0000	20.00	1.000	140.88	130.50	120.43	111.09	103.28
170	237.1	200.9	100.0000	20.00	1.000	139.15	128.82	118.79	109.40	101.62
175	259.7	178.3	100.0000	20.00	1.000	136.38	126.15	116.01	106.64	98.83
180	264.0	174.0	100.0000	20.00	1.000	135.84	125.60	115.43	106.08	98.28
185	267.2	170.8	100.0000	20.00	1.000	135.44	125.19	114.97	105.65	97.86
190	261.9	176.1	100.0000	20.00	1.000	136.11	125.88	115.72	106.36	98.55
195	270.5	167.5	100.0000	20.00	1.000	135.01	124.74	114.48	105.20	97.42
200	265.7	172.3	100.0000	20.00	1.000	135.63	125.39	115.19	105.85	98.06
205	263.0	175.0	100.0000	20.00	1.000	135.97	125.74	115.57	106.22	98.41
210	279.4	158.6	100.0000	20.00	1.000	133.85	123.50	113.11	103.95	96.24
215	308.5	129.5	100.0000	20.00	1.000	129.84	118.88	108.38	99.68	92.12
220	332.9	105.1	100.0000	20.00	1.000	126.09	114.66	104.45	95.86	88.31
225	343.3	94.7	100.0000	20.00	1.000	124.22	112.79	102.70	94.12	86.55
230	362.5	75.5	100.0000	20.00	1.000	120.53	109.36	99.32	90.77	83.08
235	379.9	58.1	100.0000	20.00	1.000	117.07	106.05	96.00	87.50	79.41
240	375.1	62.9	100.0000	20.00	1.000	118.04	107.01	96.94	88.44	80.50
245	369.7	68.3	100.0000	20.00	1.000	119.10	108.02	97.97	89.45	81.63
250	348.8	89.2	100.0000	20.00	1.000	123.19	111.82	101.77	93.19	85.60
255	333.0	105.0	100.0000	20.00	1.000	126.07	114.64	104.43	95.84	88.29
260	315.7	122.3	100.0000	20.00	1.000	128.81	117.66	107.23	98.58	91.03
265	302.5	135.5	100.0000	20.00	1.000	130.68	119.87	109.34	100.57	93.00
270	289.8	148.2	100.0000	20.00	1.000	132.46	121.94	111.42	102.46	94.82
275	283.9	154.1	100.0000	20.00	1.000	133.25	122.84	112.39	103.31	95.63
280	279.1	158.9	100.0000	20.00	1.000	133.88	123.53	113.15	103.98	96.27
285	269.5	168.5	100.0000	20.00	1.000	135.14	124.88	114.63	105.34	97.56
290	271.9	166.1	100.0000	20.00	1.000	134.83	124.55	114.27	105.00	97.24
295	253.8	184.2	81.0000	19.08	0.900	132.41	122.21	112.27	103.67	96.33
300	244.6	193.4	64.0000	18.06	0.800	128.26	118.21	108.76	100.95	93.98
305	231.1	206.9	52.5625	17.21	0.725	125.49	115.66	106.87	99.53	92.79
310	222.3	215.7	42.2500	16.26	0.650	121.75	112.29	104.27	97.31	90.75
315	221.4	216.6	52.5625	17.21	0.725	126.61	116.79	107.99	100.64	93.94
320	229.8	208.2	64.0000	18.06	0.800	129.99	119.93	110.53	102.70	95.77
325	234.9	203.1	81.0000	19.08	0.900	134.66	124.43	114.63	105.94	98.65
330	242.0	196.0	100.0000	20.00	1.000	138.55	128.24	118.21	108.81	101.03
335	245.1	192.9	100.0000	20.00	1.000	138.18	127.88	117.84	108.44	100.67
340	248.2	189.8	100.0000	20.00	1.000	137.80	127.52	117.47	108.06	100.28
345	262.9	175.1	100.0000	20.00	1.000	135.98	125.75	115.58	106.23	98.42
350	270.9	167.1	100.0000	20.00	1.000	134.97	124.70	114.43	105.15	97.38
355	282.0	156.0	100.0000	20.00	1.000	133.51	123.12	112.69	103.58	95.89

Exhibit 30.3
Directional Antenna Pattern Study

NEW.P 03-13-2014 RMS(V)= .982

Graph is Relative Field

Azi	Field	dBk	kW
000	1.000	20.000	100.000
010	1.000	20.000	100.000
020	1.000	20.000	100.000
030	1.000	20.000	100.000
040	1.000	20.000	100.000
050	1.000	20.000	100.000
060	1.000	20.000	100.000
070	1.000	20.000	100.000
080	1.000	20.000	100.000
090	1.000	20.000	100.000
100	1.000	20.000	100.000
110	1.000	20.000	100.000
120	1.000	20.000	100.000
130	1.000	20.000	100.000
140	1.000	20.000	100.000
150	1.000	20.000	100.000
160	1.000	20.000	100.000
170	1.000	20.000	100.000
180	1.000	20.000	100.000
190	1.000	20.000	100.000
200	1.000	20.000	100.000
210	1.000	20.000	100.000
220	1.000	20.000	100.000
230	1.000	20.000	100.000
240	1.000	20.000	100.000
250	1.000	20.000	100.000
260	1.000	20.000	100.000
270	1.000	20.000	100.000
280	1.000	20.000	100.000
290	1.000	20.000	100.000
300	0.800	18.062	64.000
310	0.650	16.258	42.250
320	0.800	18.062	64.000
330	1.000	20.000	100.000
340	1.000	20.000	100.000
350	1.000	20.000	100.000



The antenna proposed in this application will be mounted in accordance with specific instructions provided by the antenna manufacturer. The antenna will be tested by the manufacturer using the type of mounting which will be employed in the field.

The directional antenna will be mounted on the tower which is of uniform cross section. No other antennas of any type are or will be mounted on the same tower level as the directional antenna.

No antenna is or will be mounted within any vertical or horizontal distance specified by the antenna manufacturer as being necessary for proper operation of the directional antenna. The antenna will be assembled under the supervision of a qualified engineer, who will provide the required certification. This statement will certify that the antenna has been installed pursuant to the manufacturer's instructions. Also upon completion of antenna construction, a statement from a licensed surveyor will be submitted with the application for license certifying the antenna has been installed in the proper orientation.

The directional antenna pattern will be produced by means of parasitic elements, adjusted to produce the required pattern.

The antenna pattern will be measured by the manufacturer on the test range, and the measurement results will be supplied to the Commission at the time Form 302-FM is filed covering the construction.

Exhibit 35.1
Compliance with Radiofrequency Radiation Guidelines

The potential for human exposure to non-ionizing radiofrequency radiation at the proposed transmitter site has been evaluated at this multiple source site. There will be three (3) facilities tri-plexed into the same common antenna at the proposed tower site and one additional facility located within 315 meters of the common site with a power greater than 99 watts ERP.

The proposed WGLI(FM) – Hancock, MI (CH254C1) facility will operate on 98.7 MHz with a maximum effective radiated power (ERP) of 100.0 kW circular polarization. The facility will operate with a fully spaced twelve (12) element Dielectric (SPX) DCR-M12BB Tri-plexed antenna mounted 133 meters above ground level (AGL). EPA Type 7 elements will be employed as defined by FM Model Version 2.10 Beta issued March 22, 1995[1].

The proposed WCUP(FM) – L'anse, MI (CH289C1) facility will operate on 105.7 MHz with a maximum effective radiated power (ERP) of 100.0 kW circular polarization. The facility will operate with a fully spaced twelve (12) element Dielectric (SPX) DCR-M12BB Tri-plexed antenna mounted 133 meters above ground level (AGL). EPA Type 7 elements will be employed as defined by FM Model Version 2.10 Beta issued March 22, 1995[1].

The proposed NEW-293C1 – Baraga, MI facility will operate on 106.5 MHz with a maximum effective radiated power (ERP) of 100.0 kW circular polarization. The facility will operate with a fully spaced twelve (12) element Dielectric (SPX) DCR-M12BB Tri-plexed antenna mounted 133 meters above ground level (AGL). EPA Type 7 elements will be employed as defined by FM Model Version 2.10 Beta issued March 22, 1995[1].

WKMJ-FM – Hancock, MI (CH228C3) operates on 93.5 MHz with a maximum effective radiated power (ERP) of 13.5 kW circular polarization with an antenna COR mounted 76 meters AGL. For purposes of this study a worst case one bay EPA Type 1 element was assumed as defined from FCC program FM Model Version 2.10 Beta issued March 22, 1995[1].

The results of the evaluations for all stations are shown at the end of this report. The tabulation lists the portion of the tabular output for each station showing the region of maximum radiofrequency radiation.

To evaluate the total exposure to non-ionizing radio-frequency radiation it is necessary to sum the individual contributions as a decimal fraction of the maximum permissible limit. If the resulting sum is less than or equal to 100%, the exposure is concluded to be within the guidelines as set forth in the Rules[1]. To simplify the calculations and produce a "worst case" study, the maximum exposure level produced by each station has been selected without regard to the location of that exposure. The following table is based on the uncontrolled limits set forth in the Rules[1].

Contributing Station	Maximum Contribution	Uncontrolled Limit	% of Limit
WGLI(FM) Proposed	20.2663 μW/cm²	200 μW/cm²	10.13%
WCUP(FM) Proposed	20.2663 μW/cm²	200 μW/cm²	10.13%
NEW-293C1 Proposed	20.2663 μW/cm²	200 μW/cm²	10.13%
WKJM-FM Licensed	99.1367 μW/cm²	200 μW/cm²	49.57%
		Total % of Limit	**79.96%**

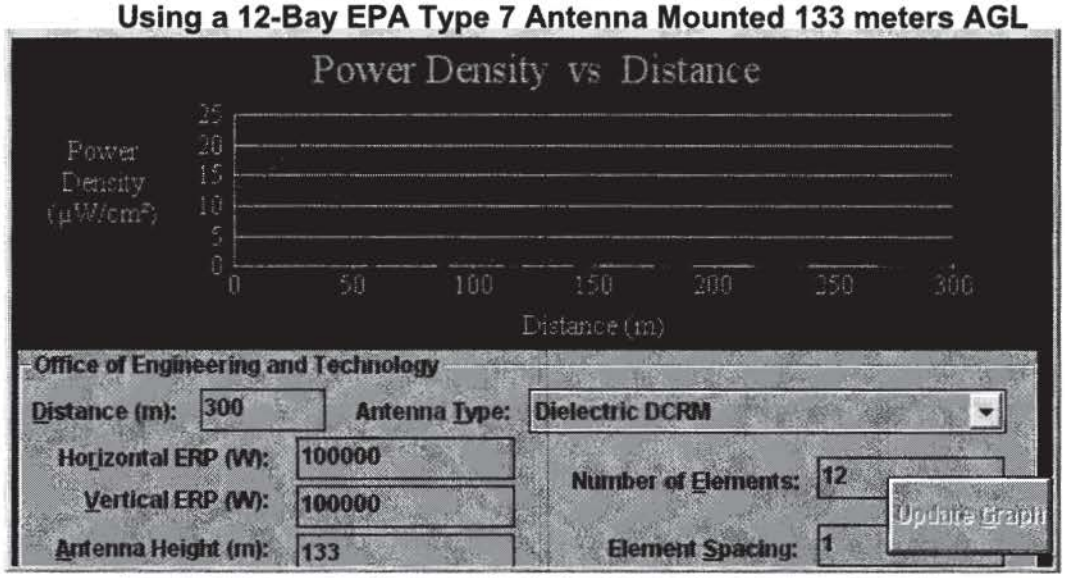
In addition to the protection afforded by the proposed antenna heights above ground, the facility is properly marked with signs, and entry to the facility is restricted by means of fencing with locked doors and/or gates. Any other means that may be required to protect employees and the general public will be employed.

In the event work is required in proximity to the antenna(s) such that the person or persons working in the area will be potentially exposed to fields in excess of the current guidelines, an agreement signed by all broadcast parties at the site will be in effect for the offending transmitter(s) to reduce power, or cease operation during the critical period.

[1] Software packages were used to determine the individual contribution of each station evaluating compliance with the FCC guidelines concerning human exposure to radiofrequency radiation as detailed in OET Bulletin No. 65 (Edition 97-01). FM radiofrequency radiation levels were predicted using both the array pattern, the calculations of which are based on the number of bays in the antenna and wavelength spacing between the bays, and the element pattern. The element pattern is determined by using measured element data prepared by the EPA. and published in "An Engineering Assessment of the Potential Impact of Federal Radiation Protection Guidance on the AM, FM and TV Services," by Paul C. Gailey and Richard Tell - April 1985, U.S. Environmental Protection Agency, Las Vegas, NV.

Exhibit 35.1
Compliance with Radiofrequency Radiation Guidelines

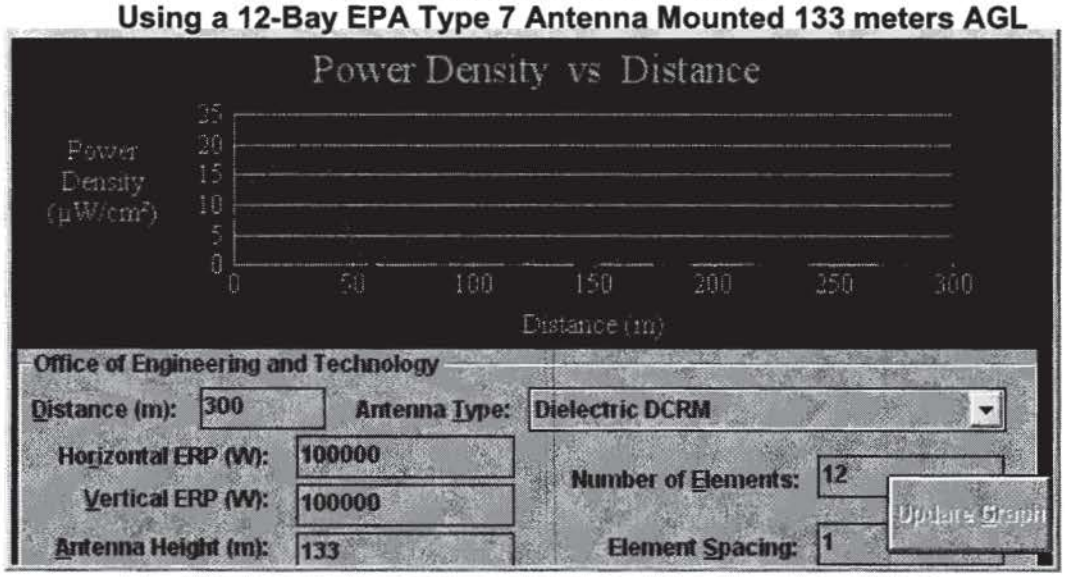
PLOT OF TOTAL POWER DENSITY
WGLI(FM) Proposed – Hancock, MI
Using a 12-Bay EPA Type 7 Antenna Mounted 133 meters AGL



The Max Power Density was found to be 20.2662925922934 µW/cm² at 29.4 meters.

Note: Graph resolution is 500 points.

PLOT OF TOTAL POWER DENSITY
WCUP(FM) Proposed – L'anse, MI
Using a 12-Bay EPA Type 7 Antenna Mounted 133 meters AGL

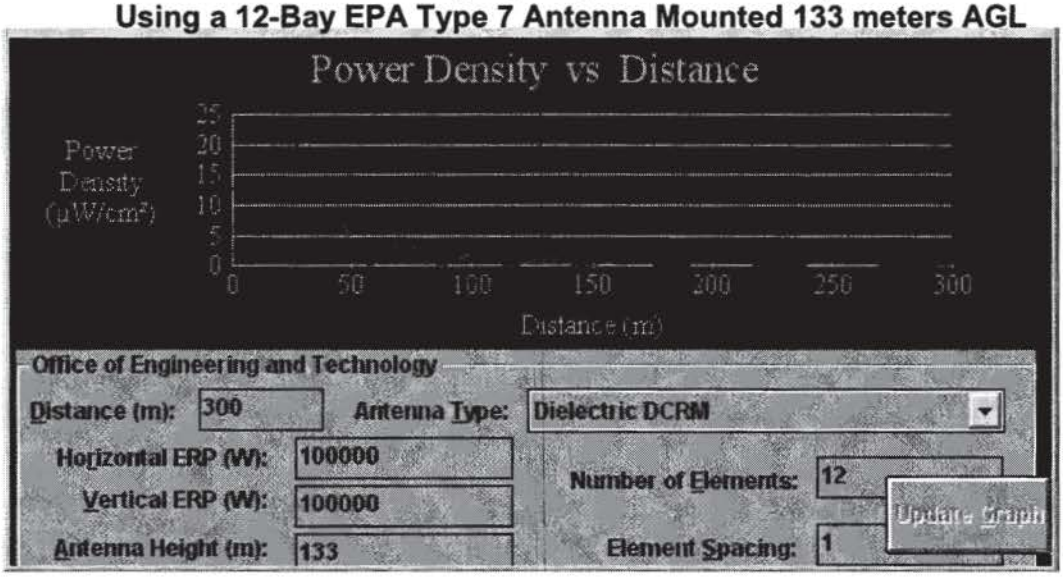


The Max Power Density was found to be 20.2662925922934 µW/cm² at 29.4 meters.

Note: Graph resolution is 500 points.

Exhibit 35.1
Compliance with Radiofrequency Radiation Guidelines

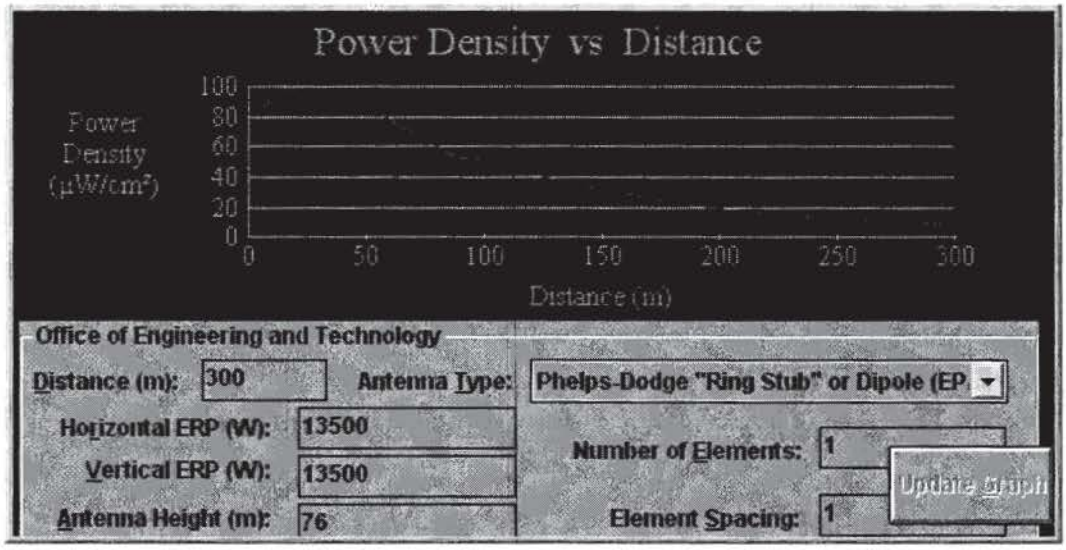
PLOT OF TOTAL POWER DENSITY
NEW-293C1(FM) Proposed – Baraga, MI
Using a 12-Bay EPA Type 7 Antenna Mounted 133 meters AGL



The Max Power Density was found to be 20.2662925922934 µW/cm² at 29.4 meters.

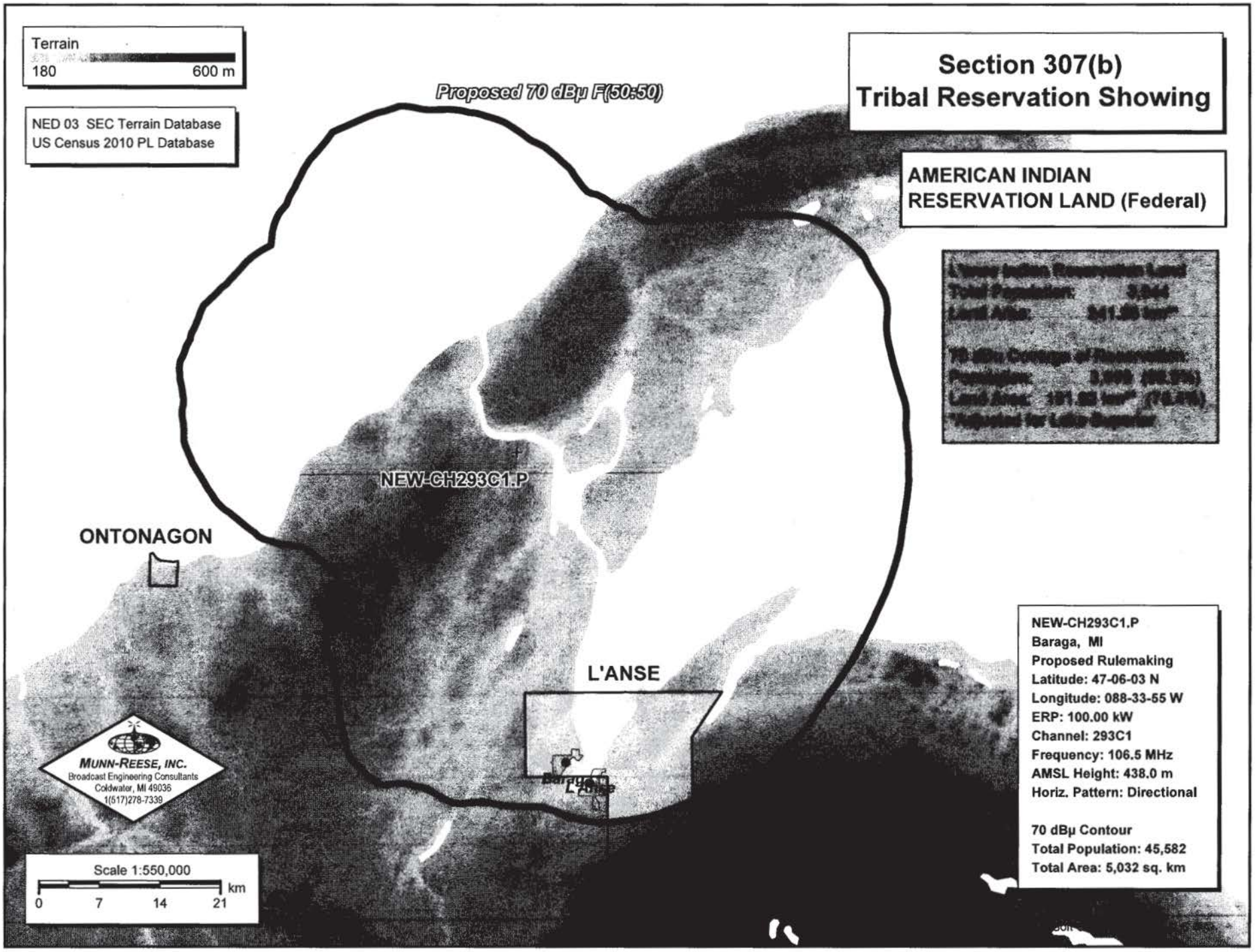
Note: Graph resolution is 500 points.

PLOT OF TOTAL POWER DENSITY
WKMJ-FM – Hancock, MI
Using a worst case 1-Bay EPA Type 1 Antenna Mounted 76 meters AGL



The Max Power Density was found to be 99.1367140255787 µW/cm² at 19.8 meters.

Note: Graph resolution is 500 points.


Terrain
180
600 m
NED 03 SEC Terrain Database
US Census 2010 PL Database
Proposed 70 dBμ F(50:50)
Section 307(b)
Tribal Reservation Showing
AMERICAN INDIAN
RESERVATION LAND (Federal)
NEW-CH293C1.P
ONTONAGON
L'ANSE
Baraga
L'Anse
MUNN-REESE, INC.
Broadcast Engineering Consultants
Coldwater, MI 49036
1(517)278-7339
Scale 1:550,000
0
7
14
21
km
NEW-CH293C1.P
Baraga, MI
Proposed Rulemaking
Latitude: 47-06-03 N
Longitude: 088-33-55 W
ERP: 100.00 kW
Channel: 293C1
Frequency: 106.5 MHz
AMSL Height: 438.0 m
Horiz. Pattern: Directional
70 dBμ Contour
Total Population: 45,582
Total Area: 5,032 sq. km

CERTIFICATE OF SERVICE

I, Daniel Kirkpatrick, hereby certify that on this 6th day of May, 2014, I caused a copy of the foregoing "Petition for Rulemaking" to be served via hand delivery, upon the following:

Geoffrey Blackwell
Chief, Office of Native Affairs and Policy
Consumer & Governmental Affairs Bureau
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Daniel Kirkpatrick