$\Pi = 3.1416$

D = distance from base of tower to center of radiation in meters.

$(x)^2$ = to the second power (squared)

Table A gives the results of the analysis and clearly demonstrates that the addition of the proposed College Station FM operation to the site does not pose a radiation hazard.

TABLE A

Station	Height (*meters*)	Power (*kilowatts*)	"S" (*mw/sq.cm*)	"S" Limit (*mw/sq.cm*)	Percentage of Limit (%)
Proposed	46	0.400	.0063	1.000	0.63
K63DL	61	1.22	.0022	2.557	0.22
TOTAL					**0.85%**

AERONAUTICAL AND ENVIRONMENTAL IMPACT CONSIDERATIONS

The proposed antenna installation would utilize an existing tower with no increase in height and would not have a significant environmental impact according to Section 1.1307 of the Commission's rules.

According to information supplied by the applicant, the proposed site is is not a subject of controversy locally on environmental grounds. The site is not believed to be near any officially designated wilderness area, wildlife preserve, or any culturally, historically, or archaeologically significant feature.

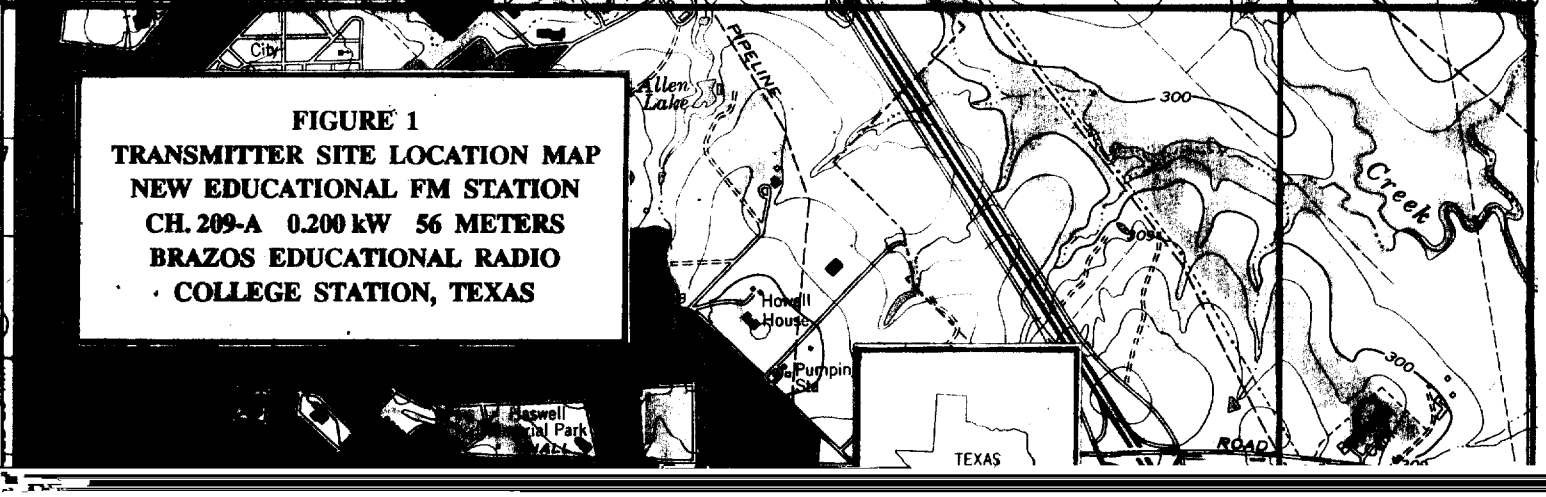


FIGURE 1
TRANSMITTER SITE LOCATION MAP
NEW EDUCATIONAL FM STATION
CH. 209-A 0.200 kW 56 METERS
BRAZOS EDUCATIONAL RADIO
COLLEGE STATION, TEXAS

FIGURE 2
ALLOCATION STUDY MAP

FIGURE 2A
ALLOCATION STUDY DATA
NEW EDUCATIONAL FM STATION
CH 209-A 0.200 kW 56 METERS
BRAZOS EDUCATIONAL RADIO
COLLEGE STATION, TEXAS

INTERFERENCE CHECKS WITH NEW, College Station, TX at N. LAT. 30 38 43 W. LNG. 96 21 26
PWR = .2 kW H.A.A.T. = 56 M C.O.R. = 8224 M
Protected F(50-50) 60 dBu = 9.3 km
F(50-10) 40 dBu = 31.14 54 dBu = 13.28 80 dBu = 2.99 100 dBu = 1

CH# CALL CITY	TYPE STATE	* IN * LICENSEE	* OUT *	BEARING <---	DISTANCE	LAT. LNG.	PWR(kW) HAAT(M)	INT(km) COR(M)	PRO(km) FILE #
207C1 KSBJ	LI	CN 90.5	59.3	111.8	130.97 km	30 12 26	100.00	31.21	68.65
Humble	TX	Something Better Educ Foun		291.8	81.38 Mi	95 5 28	255.0	286	BLED871023KE
208C1 KMFA.C	CP	CN 36.7	63.4	255.5	143.01 km	30 19 23	65.00	96.96	66.35
Austin	TX	Capitol Broadcasting Assoc		75.5	88.86 Mi	97 47 58	279.0	497	BPED870227OW
208C2 KMFA	LI	CN 68.0	85.5	255.7	142.93 km	30 19 33	6.60	65.58	44.14
Austin	TX	Capitol Broadcasting Assoc		75.7	88.81 Mi	97 47 58	268.0	491	BLED800714AF
FCC Comment >									
209A KACC.C	CP	CN 82.2	118.2	141.1	177.29 km	29 24 1	5.60	85.83	27.97
Alvin	TX	Alvin Community College		321.1	110.16 Mi	95 12 13	101.0	109	BPED900314MC
210A AP210	AP	VN -18.0	-17.7	286.2	5.96 km	30 39 37	0.10	14.71	10.40
Bryan	TX	Educational Media Foundati		106.2	3.70 Mi	96 25 1	101.0	187	910924MC
211C1 KPFT	LI	CY 80.4	53.3	135.4	112.28 km	29 55 26	100.00	22.56	56.04
Houston	TX	Pacifica Foundation		315.4	69.77 Mi	95 32 17	132.0	166	BLED860428KA
FCC Comment >									

i.f. RELATIONSHIPS:

NONE FOUND

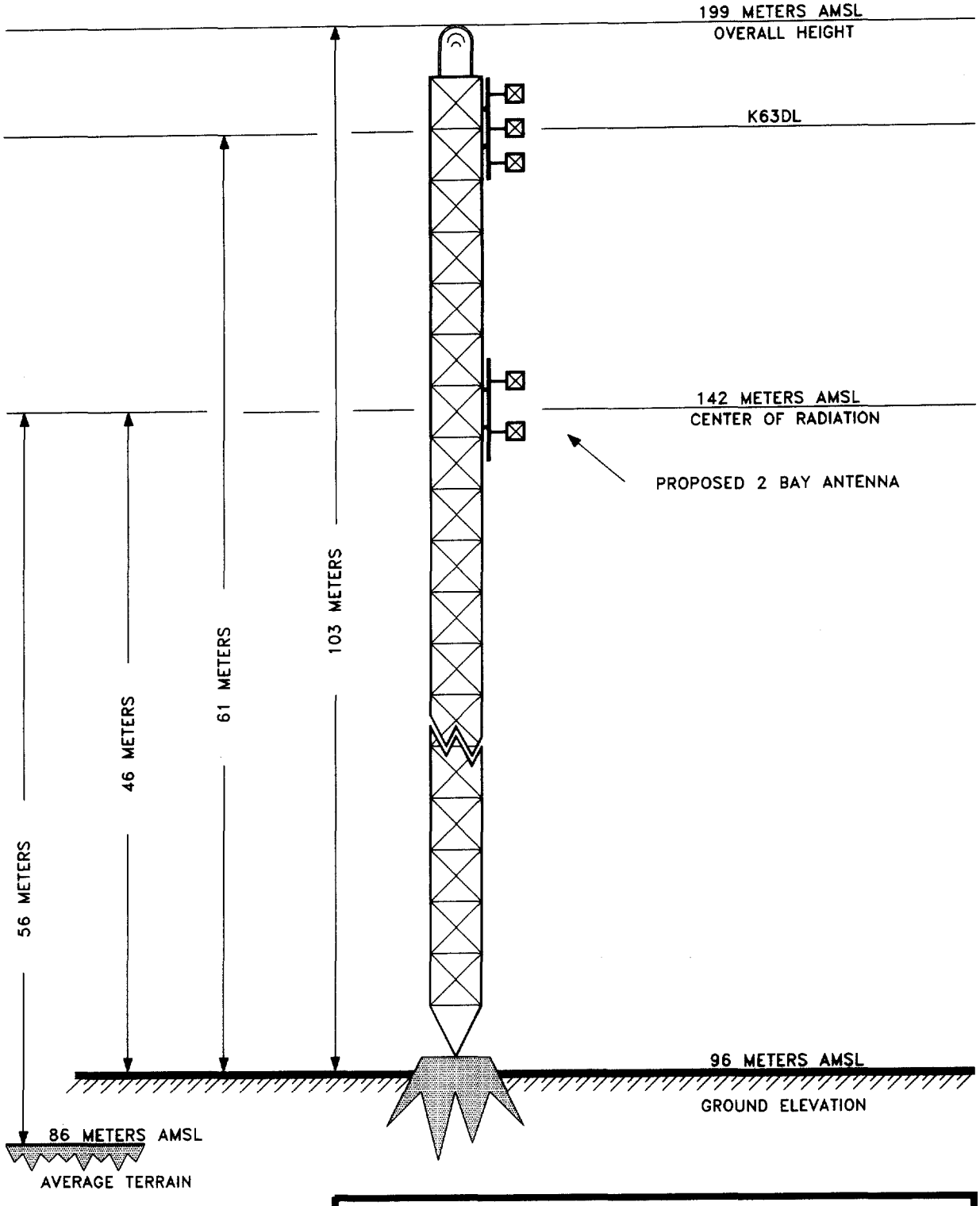
FIGURE 2A, Page 2
KMFA CONTOUR DATA
NEW EDUCATIONAL FM STATION
CH. 209-A 0.200 kW 56 METERS
BRAZOS EDUCATIONAL RADIO
COLLEGE STATION, TEXAS

SOURCE COORDINATES: 30-19-23 North 97-47-58 West
This program uses the NGDC 30-Second Database.
Site Elevation: 769 feet AMSL Data Base is in feet
ANTENNA HAAT: 279.0 METERS
ANTENNA CENTER ABOVE SEA LEVEL: 497.0 METERS

AZM DEG	HAAT MTRS	ERP (KW)	70 DB (KM) 50,50	60 DB (KM) 50,50	100 DB (KM) 50,10	80 DB (KM) 50,10	54 DB (KM) 50,10	40 DB (KM) 50,10
			--- DISTANCES TO CONTOURS IN KILOMETERS ---					
0	249	65.00	42.9	64.1	8.2	27.5	94.0	156.3
5	260	65.00	43.6	64.9	8.4	28.1	95.2	157.5
10	261	65.00	43.7	65.0	8.4	28.1	95.3	157.6
15	267	65.00	44.1	65.5	8.5	28.4	95.9	158.1
20	268	65.00	44.1	65.6	8.5	28.5	96.0	158.2
25	268	65.00	44.1	65.6	8.5	28.5	96.0	158.2
30	259	65.00	43.5	64.9	8.4	28.0	95.1	157.4
35	254	65.00	43.2	64.5	8.3	27.7	94.6	156.8
40	258	65.00	43.5	64.8	8.3	28.0	95.0	157.3
45	268	65.00	44.1	65.6	8.5	28.5	96.0	158.2
50	275	65.00	44.6	66.1	8.6	28.8	96.7	158.9
55	279	65.00	44.8	66.4	8.7	29.0	97.1	159.3
60	283	65.00	45.0	66.7	8.7	29.2	97.5	159.7
65	286	65.00	45.2	66.9	8.8	29.4	97.8	160.0
70	289	65.00	45.4	67.1	8.8	29.5	98.0	160.2
75	291	65.00	45.5	67.3	8.9	29.6	98.2	160.4
80	297	65.00	45.9	67.7	9.0	29.9	98.8	161.0
85	302	65.00	46.2	68.1	9.0	30.2	99.3	161.5
90	306	65.00	46.5	68.4	9.1	30.4	99.9	162.0

FIGURE 2A, Page 3

N. 30° 38' 43"
W. 96° 21' 26"



Not to Scale:

FIGURE 3
ANTENNA SKETCH
NEW EDUCATIONAL FM STATION
CH. 209-A 0.200 kW 56 METERS
BRAZOS EDUCATIONAL RADIO
COLLEGE STATION, TEXAS

FIGURE 5
TV-6 INTERFERENCE STUDY MAP

FIGURE 5A
CHANNEL 6 INTERFERENCE DATA
BRAZOS EDUCATIONAL RADIO

Educational FM/TV Channel 6 Interference area

Interference
--- Site ----
Lat 30-38-43
Lon 96-21-26

----- KCEN Channel 6 -----
C/R 570 m AAT
Latitude: 31-16-24
Longitude: 97-13-14

---- Proposed Ch. 209 ----
C/R 56 m AAT
Latitude: 30-38-43
Longitude: 96-21-26

Bear. (deg)	Dist (km)	Bear. (deg)	Dist (km)	Haat (m)	ERP (kW)	F.S. (dBu)	U/D (dB)	Bear. (deg)	Dist (km)	Haat (m)	ERP (kW)	F.S. (dBu)
0.0	3.9	128.5	105	601	100	54.7	17.2*	.0	3.93	41.3	.20	71.9
1.0	3.9	128.4	105	601	100	54.7	17.2*	1.0	3.94	41.5	.20	72.0
2.0	4.0	128.4	106	601	100	54.7	17.2*	2.0	3.96	41.8	.20	71.9
3.0	4.0	128.4	106	601	100	54.7	17.3*	3.0	3.96	42.0	.20	71.9
4.0	4.0	128.3	106	601	100	54.7	17.3*	4.0	3.97	42.2	.20	71.9
5.0	4.0	128.3	106	601	100	54.7	17.3*	5.0	3.98	42.4	.20	71.9
6.0	4.0	128.3	106	601	100	54.6	17.3*	6.0	4	42.7	.20	71.9
7.0	4.0	128.3	106	601	100	54.6	17.3*	7.0	4.01	42.9	.20	71.9
8.0	4.0	128.2	106	601	100	54.6	17.3*	8.0	4.02	43.1	.20	71.9
9.0	4.0	128.2	106	601	100	54.6	17.4*	9.0	4.04	43.4	.20	71.9
10.0	4.1	128.2	106	601	100	54.6	17.4*	10.0	4.05	43.6	.20	71.9
11.0	4.1	128.2	106	601	100	54.5	17.4*	11.0	4.06	43.8	.20	71.9
12.0	4.1	128.1	106	601	100	54.5	17.4*	12.0	4.08	44.0	.20	71.9
13.0	4.1	128.1	106	601	100	54.5	17.4*	13.0	4.09	44.3	.20	71.9
14.0	4.1	128.1	106	601	100	54.5	17.4*	14.0	4.10	44.5	.20	71.9
15.0	4.1	128.1	106	601	100	54.5	17.5*	15.0	4.11	44.7	.20	71.9
16.0	4.1	128.1	106	601	100	54.4	17.5*	16.0	4.13	45.0	.20	71.9
17.0	4.1	128.0	106	601	100	54.4	17.5*	17.0	4.14	45.2	.20	71.9
18.0	4.2	128.0	106	601	100	54.4	17.5*	18.0	4.15	45.4	.20	71.9
19.0	4.2	128.0	106	601	100	54.4	17.5*	19.0	4.17	45.6	.20	71.9
20.0	4.2	128.0	107	601	100	54.4	17.5*	20.0	4.18	45.9	.20	71.9
21.0	4.2	128.0	107	601	100	54.3	17.6*	21.0	4.19	46.1	.20	71.9
22.0	4.2	127.9	107	601	100	54.3	17.6*	22.0	4.20	46.3	.20	71.9
23.0	4.2	127.9	107	601	100	54.3	17.6*	23.0	4.22	46.6	.20	71.9
24.0	4.2	127.9	107	601	100	54.3	17.6*	24.0	4.23	46.8	.20	71.9
25.0	4.2	127.9	107	601	100	54.2	17.6*	25.0	4.24	47.0	.20	71.9
26.0	4.3	127.9	107	601	100	54.2	17.7*	26.0	4.26	47.2	.20	71.8
27.0	4.3	127.9	107	601	100	54.2	17.7*	27.0	4.27	47.5	.20	71.8
28.0	4.3	127.8	107	601	100	54.2	17.7*	28.0	4.28	47.7	.20	71.8
29.0	4.3	127.8	107	601	100	54.1	17.7*	29.0	4.30	47.9	.20	71.8
30.0	4.3	127.8	107	601	100	54.1	17.7*	30.0	4.31	48.2	.20	71.8
31.0	4.3	127.8	107	601	100	54.1	17.8*	31.0	4.32	48.4	.20	71.8
32.0	4.3	127.8	107	601	100	54.1	17.8*	32.0	4.33	48.6	.20	71.8
33.0	4.3	127.8	107	601	100	54.0	17.8*	33.0	4.35	48.8	.20	71.8
34.0	4.4	127.8	108	601	100	54.0	17.8*	34.0	4.36	49.1	.20	71.8
35.0	4.4	127.8	108	601	100	54.0	17.8*	35.0	4.37	49.3	.20	71.8
36.0	4.4	127.8	108	601	100	54.0	17.9*	36.0	4.38	49.5	.20	71.8
37.0	4.4	127.7	108	601	100	53.9	17.9*	37.0	4.39	49.8	.20	71.8
38.0	4.4	127.7	108	601	100	53.9	17.9*	38.0	4.40	50.0	.20	71.8
39.0	4.4	127.7	108	601	100	53.9	17.9*	39.0	4.42	50.2	.20	71.8
40.0	4.4	127.7	108	601	100	53.8	18.0*	40.0	4.43	50.4	.20	71.8
41.0	4.4	127.7	108	601	100	53.8	18.0*	41.0	4.44	50.7	.20	71.8
42.0	4.5	127.7	108	601	100	53.8	18.0*	42.0	4.45	50.9	.20	71.8
43.0	4.5	127.7	108	601	100	53.8	18.0*	43.0	4.47	51.1	.20	71.7

Title: Brazos Radio, College Station

Educational FM/TV Channel 6 Interference area

Interference
--- Site ----
Lat 30-38-43
Lon 96-21-26

----- KCEN Channel 6 -----
C/R 570 m AAT
Latitude: 31-16-24
Longitude: 97-13-14

---- Proposed Ch. 209 ----
C/R 56 m AAT
Latitude: 30-38-43
Longitude: 96-21-26

Bear. (deg)	Dist (km)	Bear. (deg)	Dist (km)	Haat (m)	ERP (kW)	F.S. (dBu)	U/D (dB)	Bear. (deg)	Dist (km)	Haat (m)	ERP (kW)	F.S. (dBu)
44.0	4.5	127.7	108	601	100	53.7	18.0*	44.0	4.48	51.4	.20	71.8
45.0	4.5	127.7	108	601	100	53.7	18.1*	45.0	4.49	51.6	.20	71.8
46.0	4.5	127.7	108	601	100	53.7	18.1*	46.0	4.50	51.8	.20	71.8
47.0	4.5	127.7	109	601	100	53.7	18.1*	47.0	4.51	52.0	.20	71.8
48.0	4.5	127.7	109	601	100	53.6	18.1*	48.0	4.52	52.1	.20	71.8
49.0	4.5	127.7	109	601	100	53.6	18.2*	49.0	4.53	52.3	.20	71.7
50.0	4.5	127.7	109	601	100	53.6	18.2*	50.0	4.54	52.5	.20	71.7
51.0	4.6	127.7	109	601	100	53.5	18.2*	51.0	4.55	52.7	.20	71.7
52.0	4.6	127.7	109	601	100	53.5	18.2*	52.0	4.56	52.9	.20	71.7
53.0	4.6	127.7	109	601	100	53.5	18.3*	53.0	4.57	53.1	.20	71.7
54.0	4.6	127.7	109	601	100	53.5	18.3*	54.0	4.58	53.3	.20	71.7
55.0	4.6	127.7	109	601	100	53.4	18.3*	55.0	4.59	53.5	.20	71.7
56.0	4.6	127.8	109	601	100	53.4	18.3*	56.0	4.60	53.6	.20	71.7
57.0	4.6	127.8	109	601	100	53.4	18.3*	57.0	4.61	53.8	.20	71.7
58.0	4.6	127.8	109	601	100	53.4	18.4*	58.0	4.62	54.0	.20	71.7
59.0	4.6	127.8	110	601	100	53.3	18.4*	59.0	4.63	54.2	.20	71.7
60.0	4.6	127.8	110	601	100	53.3	18.4*	60.0	4.64	54.4	.20	71.7
61.0	6.5	126.9	110	601	100	53.0	12.7	61.0	6.50	54.6	.20	65.7
62.0	6.5	126.9	111	601	100	53.0	12.7	62.0	6.51	54.8	.20	65.7
63.0	6.5	127.0	111	601	100	52.9	12.8	63.0	6.52	55.0	.20	65.7
64.0	6.5	127.0	111	601	100	52.9	12.8	64.0	6.53	55.2	.20	65.7
65.0	6.5	127.0	111	601	100	52.9	12.8	65.0	6.54	55.3	.20	65.7
66.0	6.6	127.0	111	601	100	52.8	12.9	66.0	6.55	55.5	.20	65.7
67.0	6.6	127.0	111	601	100	52.8	12.9	67.0	6.57	55.7	.20	65.7
68.0	6.6	127.1	111	601	100	52.8	12.9	68.0	6.58	55.9	.20	65.7
69.0	6.6	127.1	111	601	100	52.7	13.0	69.0	6.59	56.1	.20	65.7
70.0	6.6	127.1	111	601	100	52.7	13.0	70.0	6.60	56.3	.20	65.7
71.0	6.6	127.1	111	601	100	52.7	13.1	71.0	6.61	56.5	.20	65.7
72.0	6.6	127.2	112	601	100	52.6	13.1	72.0	6.62	56.7	.20	65.7
73.0	6.6	127.2	112	601	100	52.6	13.1	73.0	6.63	56.8	.20	65.7
74.0	6.6	127.2	112	601	100	52.5	13.2	74.0	6.64	57.0	.20	65.7
75.0	6.7	127.3	112	601	100	52.5	13.2	75.0	6.65	57.2	.20	65.7
76.0	6.7	127.3	112	601	100	52.5	13.2	76.0	6.66	57.4	.20	65.7
77.0	6.7	127.3	112	601	100	52.4	13.3	77.0	6.67	57.6	.20	65.7
78.0	6.7	127.4	112	601	100	52.4	13.3	78.0	6.68	57.8	.20	65.7
79.0	6.7	127.4	112	601	100	52.4	13.3	79.0	6.69	58.0	.20	65.7
80.0	6.7	127.4	112	601	100	52.4	13.4	80.0	6.70	58.2	.20	65.7
81.0	6.7	127.5	112	601	100	52.3	13.4	81.0	6.71	58.3	.20	65.7
82.0	6.7	127.5	113	601	100	52.3	13.4	82.0	6.72	58.5	.20	65.7
83.0	6.7	127.6	113	601	100	52.3	13.5	83.0	6.73	58.7	.20	65.7
84.0	6.7	127.6	113	601	100	52.2	13.5	84.0	6.74	58.9	.20	65.7
85.0	6.7	127.6	113	601	100	52.2	13.5	85.0	6.75	59.1	.20	65.7
86.0	6.8	127.7	113	601	100	52.2	13.6	86.0	6.76	59.3	.20	65.7
87.0	6.8	127.7	113	601	100	52.1	13.6	87.0	6.76	59.5	.20	65.7

Title: Brazos Radio, College Station

Interference
--- Site ----
Lat 30-38-43
Lon 96-21-26

----- KCEN Channel 6 -----
C/R 570 m AAT
Latitude: 31-16-24
Longitude: 97-13-14

---- Proposed Ch. 209 ----
C/R 56 m AAT
Latitude: 30-38-43
Longitude: 96-21-26

Bear. (deg)	Dist (km)	Bear. (deg)	Dist (km)	Haat (m)	ERP (kW)	F.S. (dBu)	U/D (dB)	Bear. (deg)	Dist (km)	Haat (m)	ERP (kW)	F.S. (dBu)
88.0	6.8	127.8	113	601	100	52.1	13.6	88.0	6.77	59.7	.20	65.7
89.0	6.8	127.8	113	601	100	52.1	13.7	89.0	6.78	59.9	.20	65.7
90.0	6.8	127.8	113	601	100	52.1	13.7	90.0	6.79	60.0	.20	65.7
91.0	6.8	127.9	113	601	100	52.0	13.7	91.0	6.78	59.9	.20	65.8
92.0	6.8	128.0	113	601	100	52.0	13.8	92.0	6.77	59.8	.20	65.8

Title: Brazos Radio, College Station

Interference
--- Site ----
Lat 30-38-43
Lon 96-21-26

----- KCEN Channel 6 -----
C/R 570 m AAT
Latitude: 31-16-24
Longitude: 97-13-14

---- Proposed Ch. 209 ----
C/R 56 m AAT
Latitude: 30-38-43
Longitude: 96-21-26

Bear. (deg)	Dist (km)	Bear. (deg)	Dist (km)	Haat (m)	ERP (kW)	F.S. (dBu)	U/D (dB)	Bear. (deg)	Dist (km)	Haat (m)	ERP (kW)	F.S. (dBu)
132.0	6.4	130.2	114	600	100	51.6	14.2	132.0	6.45	54.4	.20	65.8
133.0	6.4	130.2	114	600	100	51.6	14.2	133.0	6.45	54.3	.20	65.8
134.0	6.4	130.3	114	600	100	51.6	14.2	134.0	6.44	54.2	.20	65.8
135.0	6.4	130.3	114	600	100	51.6	14.2	135.0	6.43	54.0	.20	65.8
136.0	6.4	130.4	114	600	100	51.6	14.2	136.0	6.44	54.2	.20	65.8
137.0	6.4	130.4	114	600	100	51.6	14.2	137.0	6.45	54.4	.20	65.8
138.0	6.5	130.5	114	600	100	51.7	14.2	138.0	6.46	54.5	.20	65.8
139.0	6.5	130.6	114	600	100	51.7	14.2	139.0	6.46	54.7	.20	65.8
140.0	6.5	130.6	114	600	100	51.7	14.2	140.0	6.47	54.8	.20	65.8
141.0	6.5	130.7	114	600	100	51.7	14.2	141.0	6.48	55	.20	65.8
142.0	6.5	130.7	114	600	100	51.7	14.1	142.0	6.49	55.2	.20	65.8
143.0	6.5	130.8	114	600	100	51.7	14.1	143.0	6.50	55.3	.20	65.8
144.0	6.5	130.8	114	600	100	51.7	14.1	144.0	6.51	55.5	.20	65.8
145.0	6.5	130.9	114	600	100	51.7	14.1	145.0	6.52	55.7	.20	65.8
146.0	6.5	131.0	114	600	100	51.7	14.1	146.0	6.53	55.8	.20	65.8
147.0	6.5	131.0	114	600	100	51.7	14.1	147.0	6.54	56.0	.20	65.8
148.0	6.6	131.1	114	600	100	51.7	14.1	148.0	6.55	56.2	.20	65.8
149.0	6.6	131.1	114	600	100	51.7	14.1	149.0	6.56	56.3	.20	65.8
150.0	6.6	131.2	114	600	100	51.7	14.1	150.0	6.57	56.5	.20	65.8
151.0	6.6	131.2	114	600	100	51.7	14.1	151.0	6.58	56.7	.20	65.8
152.0	6.6	131.3	114	600	100	51.7	14.1	152.0	6.59	56.8	.20	65.8
153.0	6.6	131.4	114	600	100	51.7	14.1	153.0	6.60	57.0	.20	65.8
154.0	6.6	131.4	114	600	100	51.8	14.0	154.0	6.61	57.1	.20	65.8
155.0	6.6	131.5	114	600	100	51.8	14.0	155.0	6.62	57.3	.20	65.8
156.0	6.6	131.5	114	600	100	51.8	14.0	156.0	6.63	57.5	.20	65.8
157.0	6.6	131.6	114	600	100	51.8	14.0	157.0	6.64	57.6	.20	65.8
158.0	6.7	131.6	114	600	100	51.8	14.0	158.0	6.65	57.8	.20	65.8
159.0	6.7	131.7	114	600	100	51.8	14.0	159.0	6.66	58.0	.20	65.8
160.0	6.7	131.7	114	600	100	51.8	13.9	160.0	6.67	58.1	.20	65.8
161.0	6.7	131.8	114	600	100	51.9	13.9	161.0	6.68	58.3	.20	65.8
162.0	6.7	131.8	114	600	100	51.9	13.9	162.0	6.69	58.5	.20	65.8
163.0	6.7	131.9	114	600	100	51.9	13.9	163.0	6.70	58.6	.20	65.8
164.0	6.7	131.9	114	600	100	51.9	13.9	164.0	6.71	58.8	.20	65.8
165.0	6.7	132.0	114	600	100	51.9	13.9	165.0	6.72	58.9	.20	65.8
166.0	6.7	132.1	113	600	100	51.9	13.8	166.0	6.73	59.1	.20	65.8
167.0	6.7	132.1	113	600	100	52.0	13.8	167.0	6.74	59.3	.20	65.8
168.0	6.8	132.2	113	600	100	52.0	13.8	168.0	6.76	59.4	.20	65.7
169.0	6.8	132.2	113	600	100	52.0	13.8	169.0	6.77	59.6	.20	65.7
170.0	6.8	132.3	113	600	100	52.0	13.7	170.0	6.78	59.8	.20	65.7
171.0	6.8	132.3	113	600	100	52.0	13.7	171.0	6.79	59.9	.20	65.7
172.0	6.8	132.4	113	600	100	52.1	13.7	172.0	6.80	60.1	.20	65.7
173.0	6.8	132.4	113	600	100	52.1	13.7	173.0	6.80	60.3	.20	65.8
174.0	6.8	132.5	113	600	100	52.1	13.6	174.0	6.81	60.4	.20	65.7
175.0	6.8	132.5	113	600	100	52.1	13.6	175.0	6.82	60.6	.20	65.7

Title: Brazos Radio, College Station

Interference
--- Site ----
Lat 30-38-43
Lon 96-21-26

----- KCEN Channel 6 -----
C/R 570 m AAT
Latitude: 31-16-24
Longitude: 97-13-14

---- Proposed Ch. 209 ----
C/R 56 m AAT
Latitude: 30-38-43
Longitude: 96-21-26

Bear. (deg)	Dist (km)	Bear. (deg)	Dist (km)	Haat (m)	ERP (kW)	F.S. (dBu)	U/D (dB)	Bear. (deg)	Dist (km)	Haat (m)	ERP (kW)	F.S. (dBu)
176.0	6.8	132.6	113	600	100	52.2	13.6	176.0	6.83	60.8	.20	65.7
177.0	6.8	132.6	113	600	100	52.2	13.6	177.0	6.84	60.9	.20	65.7
178.0	6.8	132.6	113	600	100	52.2	13.5	178.0	6.85	61.1	.20	65.7
179.0	6.9	132.7	113	600	100	52.2	13.5	179.0	6.86	61.2	.20	65.7
180.0	6.9	132.7	112	600	100	52.3	13.5	180.0	6.87	61.4	.20	65.7
181.0	6.9	132.8	112	600	100	52.3	13.4	181.0	6.88	61.6	.20	65.7
182.0	6.9	132.8	112	600	100	52.3	13.4	182.0	6.89	61.9	.20	65.7
183.0	6.9	132.9	112	600	100	52.4	13.4	183.0	6.90	62.1	.20	65.7
184.0	6.9	132.9	112	600	100	52.4	13.3	184.0	6.92	62.3	.20	65.7
185.0	6.9	133.0	112	600	100	52.4	13.3	185.0	6.93	62.6	.20	65.7
186.0	6.9	133.0	112	599	100	52.4	13.3	186.0	6.94	62.8	.20	65.7
187.0	7.0	133.1	112	599	100	52.5	13.2	187.0	6.96	63.0	.20	65.7
188.0	7.0	133.1	112	599	100	52.5	13.2	188.0	6.97	63.3	.20	65.7
189.0	7.0	133.1	112	599	100	52.5	13.2	189.0	6.98	63.5	.20	65.7
190.0	7.0	133.2	112	599	100	52.6	13.1	190.0	7	63.7	.20	65.7
191.0	7.0	133.2	112	599	100	52.6	13.1	191.0	7.01	64.0	.20	65.7
192.0	7.0	133.3	111	599	100	52.6	13.1	192.0	7.02	64.2	.20	65.7
193.0	7.0	133.3	111	599	100	52.7	13.0	193.0	7.03	64.4	.20	65.7
194.0	7.1	133.3	111	599	100	52.7	13.0	194.0	7.05	64.7	.20	65.7
195.0	7.1	133.4	111	599	100	52.7	13.0	195.0	7.06	64.9	.20	65.7
196.0	7.1	133.4	111	599	100	52.8	12.9	196.0	7.07	65.1	.20	65.7
197.0	7.1	133.4	111	599	100	52.8	12.9	197.0	7.09	65.4	.20	65.7
198.0	7.1	133.5	111	599	100	52.8	12.9	198.0	7.10	65.6	.20	65.7
199.0	7.1	133.5	111	599	100	52.9	12.8	199.0	7.11	65.8	.20	65.7
200.0	7.1	133.5	111	599	100	52.9	12.8	200.0	7.12	66.1	.20	65.7
201.0	5.1	132.6	110	600	100	53.2	18.5*	201.0	5.12	66.3	.20	71.7
202.0	5.1	132.6	110	600	100	53.3	18.5*	202.0	5.13	66.5	.20	71.7
203.0	5.1	132.6	110	600	100	53.3	18.4*	203.0	5.13	66.8	.20	71.7
204.0	5.1	132.7	109	600	100	53.3	18.4*	204.0	5.14	67.0	.20	71.7
205.0	5.1	132.7	109	600	100	53.3	18.4*	205.0	5.15	67.2	.20	71.7
206.0	5.2	132.7	109	600	100	53.4	18.4*	206.0	5.16	67.5	.20	71.7
207.0	5.2	132.7	109	600	100	53.4	18.3*	207.0	5.16	67.7	.20	71.7
208.0	5.2	132.7	109	600	100	53.4	18.3*	208.0	5.17	67.9	.20	71.7
209.0	5.2	132.7	109	600	100	53.5	18.3*	209.0	5.18	68.2	.20	71.7
210.0	5.2	132.8	109	600	100	53.5	18.3*	210.0	5.19	68.4	.20	71.7
211.0	5.2	132.8	109	600	100	53.5	18.2*	211.0	5.19	68.6	.20	71.7

Title: Brazos Radio, College Station

Interference
--- Site ----
Lat 30-38-43
Lon 96-21-26

----- KCEN Channel 6 -----
C/R 570 m AAT
Latitude: 31-16-24
Longitude: 97-13-14

---- Proposed Ch. 209 ----
C/R 56 m AAT
Latitude: 30-38-43
Longitude: 96-21-26

Bear. (deg)	Dist (km)	Bear. (deg)	Dist (km)	Haat (m)	ERP (kW)	F.S. (dBu)	U/D (dB)	Bear. (deg)	Dist (km)	Haat (m)	ERP (kW)	F.S. (dBu)
220.0	5.3	132.9	108	600	100	53.8	18.0*	220.0	5.25	70.7	.20	71.8
221.0	5.3	132.9	108	600	100	53.8	18.0*	221.0	5.26	71.0	.20	71.8
222.0	5.3	132.9	108	600	100	53.9	17.9*	222.0	5.26	71.2	.20	71.8
223.0	5.3	132.9	108	600	100	53.9	17.9*	223.0	5.27	71.4	.20	71.8
224.0	5.3	132.9	108	600	100	53.9	17.9*	224.0	5.28	71.7	.20	71.8
225.0	5.3	132.9	108	600	100	54.0	17.9*	225.0	5.28	71.9	.20	71.8
226.0	5.3	132.9	108	600	100	54.0	17.8*	226.0	5.27	71.7	.20	71.8
227.0	5.3	132.9	107	600	100	54.0	17.8*	227.0	5.26	71.5	.20	71.8
228.0	5.3	132.9	107	600	100	54.0	17.8*	228.0	5.26	71.3	.20	71.8

Title: Brazos Radio, College Station

Interference	----- KCEN Channel 6 -----	---- Proposed Ch. 209 ----
--- Site ----	C/R 570 m AAT	C/R 56 m AAT
Lat 30-38-43	Latitude: 31-16-24	Latitude: 30-38-43
Lon 96-21-26	Longitude: 97-13-14	Longitude: 96-21-26

Bear	Dist	Bear.	Dist	Haat	ERP	F.S.	U/D	Bear.	Dist	Haat	ERP	F.S.

Title: Brazos Radio, College Station

Interference
--- Site ----
Lat 30-38-43
Lon 96-21-26

----- KCEN Channel 6 -----
C/R 570 m AAT
Latitude: 31-16-24
Longitude: 97-13-14

---- Proposed Ch. 209 ----
C/R 56 m AAT
Latitude: 30-38-43
Longitude: 96-21-26

Bear. (deg)	Dist (km)	Bear. (deg)	Dist (km)	Haat (m)	ERP (kW)	F.S. (dBu)	U/D (dB)	Bear. (deg)	Dist (km)	Haat (m)	ERP (kW)	F.S. (dBu)
308.0	4.3	130.2	104	600	100	55.4	16.6*	308.0	4.33	49.6	.20	72.0
309.0	4.3	130.1	104	600	100	55.4	16.6*	309.0	4.32	49.2	.20	72.0
310.0	4.3	130.1	104	600	100	55.4	16.7*	310.0	4.30	48.9	.20	72.0
311.0	4.3	130.1	104	600	100	55.4	16.7*	311.0	4.28	48.5	.20	72.0
312.0	4.3	130.0	104	600	100	55.4	16.7*	312.0	4.26	48.1	.20	72.0
313.0	4.2	130.0	104	601	100	55.4	16.7*	313.0	4.24	47.8	.20	72.0
314.0	4.2	129.9	104	601	100	55.4	16.7*	314.0	4.22	47.4	.20	72.0
315.0	4.2	129.9	104	601	100	55.3	16.7*	315.0	4.21	47.1	.20	72.0
316.0	4.2	129.9	104	601	100	55.3	16.7*	316.0	4.20	46.9	.20	72.0
317.0	4.2	129.8	104	601	100	55.3	16.7*	317.0	4.19	46.8	.20	72.0
318.0	4.2	129.8	104	601	100	55.3	16.7*	318.0	4.19	46.7	.20	72.0
319.0	4.2	129.7	104	601	100	55.3	16.7*	319.0	4.18	46.5	.20	72.0
320.0	4.2	129.7	104	601	100	55.3	16.7*	320.0	4.17	46.4	.20	72.0
321.0	4.2	129.7	104	601	100	55.3	16.7*	321.0	4.17	46.3	.20	72.0
322.0	4.2	129.6	104	601	100	55.3	16.7*	322.0	4.16	46.2	.20	72.0
323.0	4.2	129.6	104	601	100	55.3	16.7*	323.0	4.15	46.0	.20	72.0
324.0	4.2	129.5	104	601	100	55.3	16.7*	324.0	4.15	45.9	.20	72.0
325.0	4.1	129.5	104	601	100	55.3	16.7*	325.0	4.14	45.8	.20	72.0
326.0	4.1	129.5	104	601	100	55.3	16.8*	326.0	4.14	45.6	.20	72.0
327.0	4.1	129.4	104	601	100	55.3	16.8*	327.0	4.13	45.5	.20	72.0
328.0	4.1	129.4	104	601	100	55.2	16.8*	328.0	4.12	45.4	.20	72.0
329.0	4.1	129.4	104	601	100	55.2	16.8*	329.0	4.12	45.3	.20	72.0
330.0	4.1	129.3	104	601	100	55.2	16.8*	330.0	4.11	45.1	.20	72.0
331.0	4.1	129.3	104	601	100	55.2	16.8*	331.0	4.10	45	.20	72.0
332.0	4.1	129.3	104	601	100	55.2	16.8*	332.0	4.10	44.9	.20	72.0
333.0	4.1	129.2	104	601	100	55.2	16.8*	333.0	4.09	44.7	.20	72.0
334.0	4.1	129.2	104	601	100	55.2	16.8*	334.0	4.08	44.6	.20	72.0
335.0	4.1	129.2	104	601	100	55.2	16.9*	335.0	4.08	44.5	.20	72.0

Title: Brazos Radio, College Station

Interference	----- KCEN Channel 6 -----	---- Proposed Ch. 209 ----
--- Site ----	C/R 570 m AAT	C/R 56 m AAT
Lat 30-38-43	Latitude: 31-16-24	Latitude: 30-38-43
Lon 96-21-26	Longitude: 97-13-14	Longitude: 96-21-26

Bear. (deg)	Dist (km)	Bear. (deg)	Dist (km)	Haat (m)	ERP (kW)	F.S. (dBu)	U/D (dB)	Bear. (deg)	Dist (km)	Haat (m)	ERP (kW)	F.S. (dBu)
352.0	4.0	128.6	105	601	100	54.9	17.1*	352.0	3.97	42.3	.20	72.0
153.0	4.0	128.6	105	601	100	54.9	17.1*	352.0	3.96	42.3	.20	72.0

FIGURE 6
CONTOUR DATA
NEW EDUCATIONAL FM STATION
CH. 209-A 0.200 kW 56 METERS
BRAZOS EDUCATIONAL RADIO
COLLEGE STATION, TEXAS

SOURCE COORDINATES: 30-38-43 North 96-21-26 West
This program uses the NGDC 30-Second Database.
Site Elevation: feet AMSL Data Base is in feet
ANTENNA HAAT: METERS
ANTENNA CENTER ABOVE SEA LEVEL: 142.0 METERS

--------- DISTANCES TO CONTOURS IN KILOMETERS ----------

AZM DEG	HAAT MTRS	ERP (KW)	70 DB (KM) 50,50	60 DB (KM) 50,50	100 DB (KM) 50,10	80 DB (KM) 50,10	54 DB (KM) 50,10	40 DB (KM) 50,10
0	41	0.2000	4.4	7.9	0.7	2.5	11.2	26.6
5	43	0.2000	4.5	8.1	0.7	2.6	11.5	27.2
10	43	0.2000	4.5	8.1	0.7	2.6	11.5	27.2
15	44	0.2000	4.6	8.2	0.7	2.6	11.6	27.4
20	44	0.2000	4.6	8.2	0.7	2.6	11.6	27.4
25	45	0.2000	4.6	8.3	0.7	2.6	11.7	27.7
30	47	0.2000	4.7	8.5	0.7	2.7	12.0	28.2
35	48	0.2000	4.8	8.5	0.7	2.7	12.1	28.5
40	51	0.2000	4.9	8.8	0.7	2.8	12.5	29.3
45	51	0.2000	4.9	8.8	0.7	2.8	12.5	29.3
50	53	0.2000	5.0	9.0	0.8	2.8	12.7	29.9
55	56	0.2000	5.2	9.2	0.8	2.9	13.0	30.8
60	56	0.2000	5.2	9.2	0.8	2.9	13.0	30.8
65	56	0.2000	5.2	9.2	0.8	2.9	13.0	30.8
70	57	0.2000	5.2	9.3	0.8	2.9	13.2	31.1
75	56	0.2000	5.2	9.2	0.8	2.9	13.0	30.8
80	57	0.2000	5.2	9.3	0.8	2.9	13.2	31.1
85	58	0.2000	5.2	9.4	0.9	2.9	13.3	31.4
90	60	0.2000	5.3	9.5	0.9	3.0	13.5	31.9
95	61	0.2000	5.4	9.6	0.9	3.0	13.6	32.2
100	61	0.2000	5.4	9.6	0.9	3.0	13.6	32.2
105	63	0.2000	5.5	9.8	0.9	3.1	13.8	32.8
110	63	0.2000	5.5	9.8	0.9	3.1	13.8	32.8
115	65	0.2000	5.5	9.9	1.0	3.1	14.0	33.3
120	62	0.2000	5.4	9.7	0.9	3.0	13.7	32.5
125	58	0.2000	5.2	9.4	0.9	2.9	13.3	31.4
130	57	0.2000	5.2	9.3	0.8	2.9	13.2	31.1
135	54	0.2000	5.1	9.1	0.8	2.9	12.8	30.2
140	52	0.2000	5.0	8.9	0.8	2.8	12.6	29.6
145	49	0.2000	4.8	8.6	0.7	2.7	12.2	28.7
150	47	0.2000	4.7	8.5	0.7	2.7	12.0	28.2
155	47	0.2000	4.7	8.5	0.7	2.7	12.0	28.2
160	47	0.2000	4.7	8.5	0.7	2.7	12.0	28.2
165	49	0.2000	4.8	8.6	0.7	2.7	12.2	28.7
170	51	0.2000	4.9	8.8	0.7	2.8	12.5	29.3
175	56	0.2000	5.2	9.2	0.8	2.9	13.0	30.8

FIGURE 6, Page 2
CONTOUR DATA
NEW EDUCATIONAL FM STATION
CH. 209-A 0.200 kW 56 METERS
BRAZOS EDUCATIONAL RADIO
COLLEGE STATION, TEXAS

SOURCE COORDINATES: 30-38-43 North 96-21-26 West
This program uses the NGDC 30-Second Database.
Site Elevation: . feet AMSL Data Base is in feet
ANTENNA HAAT: METERS
ANTENNA CENTER ABOVE SEA LEVEL: 142.0 METERS

AZM DEG	HAAT MTRS	ERP (KW)	70 DB (KM) 50,50	60 DB (KM) 50,50	100 DB (KM) 50,10	80 DB (KM) 50,10	54 DB (KM) 50,10	40 DB (KM) 50,10
			--- DISTANCES TO CONTOURS IN KILOMETERS ---					
180	61	0.2000	5.4	9.6	0.9	3.0	13.6	32.2
185	62	0.2000	5.4	9.7	0.9	3.0	13.7	32.5
190	63	0.2000	5.5	9.8	0.9	3.1	13.8	32.8
195	60	0.2000	5.3	9.5	0.9	3.0	13.5	31.9
200	60	0.2000	5.3	9.5	0.9	3.0	13.5	31.9
205	61	0.2000	5.4	9.6	0.9	3.0	13.6	32.2
210	62	0.2000	5.4	9.7	0.9	3.0	13.7	32.5
215	65	0.2000	5.5	9.9	1.0	3.1	14.0	33.3
220	71	0.2000	5.8	10.4	1.1	3.2	14.6	34.9
225	72	0.2000	5.8	10.4	1.1	3.3	14.7	35.2
230	71	0.2000	5.8	10.4	1.1	3.2	14.6	34.9
235	68	0.2000	5.7	10.1	1.0	3.2	14.3	34.1
240	68	0.2000	5.7	10.1	1.0	3.2	14.3	34.1
245	68	0.2000	5.7	10.1	1.0	3.2	14.3	34.1
250	66	0.2000	5.6	10.0	1.0	3.1	14.1	33.6
255	64	0.2000	5.5	9.8	1.0	3.1	13.9	33.0
260	63	0.2000	5.5	9.8	0.9	3.1	13.8	32.8
265	63	0.2000	5.5	9.8	0.9	3.1	13.8	32.8
270	63	0.2000	5.5	9.8	0.9	3.1	13.8	32.8
275	62	0.2000	5.4	9.7	0.9	3.0	13.7	32.5
280	61	0.2000	5.4	9.6	0.9	3.0	13.6	32.2
285	60	0.2000	5.3	9.5	0.9	3.0	13.5	31.9
290	58	0.2000	5.2	9.4	0.9	2.9	13.3	31.4
295	54	0.2000	5.1	9.1	0.8	2.9	12.8	30.2
300	51	0.2000	4.9	8.8	0.7	2.8	12.5	29.3
305	49	0.2000	4.8	8.6	0.7	2.7	12.2	28.7
310	48	0.2000	4.8	8.5	0.7	2.7	12.1	28.5
315	47	0.2000	4.7	8.5	0.7	2.7	12.0	28.2
320	44	0.2000	4.6	8.2	0.7	2.6	11.6	27.4
325	42	0.2000	4.5	8.0	0.7	2.5	11.3	26.9
330	40	0.2000	4.3	7.8	0.7	2.5	11.1	26.4
335	37	0.2000	4.2	7.5	0.7	2.4	10.7	25.5
340	37	0.2000	4.2	7.5	0.7	2.4	10.7	25.5
345	38	0.2000	4.2	7.6	0.7	2.4	10.8	25.8
350	39	0.2000	4.3	7.7	0.7	2.4	10.9	26.1
355	40	0.2000	4.3	7.8	0.7	2.5	11.1	26.4