

Engineering Statement

In Support of an Application for a Construction Permit

WACR-FM, Okolona, Mississippi Channel 280C2

WACR-FM Terrain-Contour Study

Reference Coordinates:

North Latitude: 33-52-30

West Longitude: 88-31-26

Azimuth °T.	ERP = 50.0 kW Ave. Elev. 3 to 16 km	FM - 2-6 Tables Effective Antenna Height		F(50-50) Distance to 70 dBu Contour	F(50-50) Distance to 60 dBu Contour
	Meters AMSL	Meters AAT	ERP (dBk)	km	km
0	59.9	145.8	16.990	32.1	51.6
5	61.1	144.6	16.990	32.0	51.5
10	63.1	142.6	16.990	31.8	51.2
15	65.0	140.7	16.990	31.6	50.9
20	66.9	138.8	16.990	31.4	50.7
25	68.9	136.8	16.990	31.2	50.4
30	72.6	133.1	16.990	30.8	49.9
35	77.8	127.9	16.990	30.2	49.1
40	78.7	127.0	16.990	30.2	49.0
45	77.1	128.6	16.990	30.3	49.2
50	75.9	129.8	16.990	30.4	49.4
55	87.5	118.2	16.990	29.3	47.7
60	85.9	119.8	16.990	29.4	48.0
65	83.1	122.6	16.990	29.7	48.3
70	90.8	114.9	16.990	28.9	47.2
75	93.9	111.8	16.990	28.6	46.7
80	92.9	112.8	16.990	28.7	46.9
85	94.4	111.3	16.990	28.5	46.7
90	91.6	114.1	16.990	28.8	47.1
95	93.8	111.9	16.990	28.6	46.7
100	95.1	110.6	16.990	28.5	46.5
105	91.9	113.8	16.990	28.8	47.0
110	89.6	116.1	16.990	29.1	47.4
115	88.5	117.2	16.990	29.2	47.6
120	87.6	118.1	16.990	29.3	47.7
125	83.4	122.3	16.990	29.7	48.3
130	86.0	119.7	16.990	29.4	47.9
135	80.7	125.0	16.990	30.0	48.7
140	75.8	129.9	16.990	30.4	49.4
145	69.0	136.7	16.990	31.1	50.4
150	63.5	142.2	16.990	31.7	51.1
155	60.5	145.2	16.990	32.1	51.6

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Exhibit E, Figure 2

ERP = 50.0 kW		FM - 2-6 Tables		F(50-50)	F(50-50)
Azimuth °T.	Ave. Elev.	Effective Antenna Height	ERP (dBk)	Distance to	Distance to
	3 to 16 km Meters AMSL			70 dBu Contour km	60 dBu Contour km
160	57.3	148.4	16.990	32.4	52.0
165	54.9	150.8	16.990	32.7	52.3
170	53.3	152.4	16.990	32.9	52.5
175	60.5	145.2	16.990	32.1	51.6
180	66.6	139.1	16.990	31.4	50.7
185	71.0	134.7	16.990	30.9	50.1
190	72.4	133.3	16.990	30.8	49.9
195	71.4	134.3	16.990	30.9	50.0
200	74.0	131.7	16.990	30.6	49.7
205	76.9	128.8	16.990	30.3	49.2
210	77.6	128.1	16.990	30.3	49.1
215	77.7	128.0	16.990	30.3	49.1
220	78.2	127.5	16.990	30.2	49.1
225	81.1	124.6	16.990	29.9	48.6
230	81.3	124.4	16.990	29.9	48.6
235	78.3	127.4	16.990	30.2	49.0
240	77.3	128.4	16.990	30.3	49.2
245	76.4	129.3	16.990	30.4	49.3
250	75.6	130.1	16.990	30.5	49.4
255	75.1	130.6	16.990	30.5	49.5
260	75.7	130.0	16.990	30.5	49.4
265	75.5	130.2	16.990	30.5	49.4
270	76.0	129.7	16.990	30.4	49.4
275	74.7	131.0	16.990	30.6	49.6
280	77.8	127.9	16.990	30.2	49.1
285	76.5	129.2	16.990	30.4	49.3
290	75.2	130.5	16.990	30.5	49.5
295	76.3	129.4	16.990	30.4	49.3
300	76.1	129.6	16.990	30.4	49.4
305	77.9	127.8	16.990	30.2	49.1
310	79.2	126.5	16.990	30.1	48.9
315	77.8	127.9	16.990	30.2	49.1
320	81.7	124.0	16.990	29.9	48.6
325	81.2	124.5	16.990	29.9	48.6
330	84.9	120.8	16.990	29.5	48.1
335	85.1	120.6	16.990	29.5	48.1
340	78.6	127.1	16.990	30.2	49.0
345	63.5	142.2	16.990	31.7	51.1
350	58.9	146.8	16.990	32.3	51.8
355	59.1	146.6	16.990	32.2	51.7