

Engineering Statement

In Support of an Application for a Construction Permit

WQXB, Grenada, Mississippi Channel 261C2

WQXB Terrain-Contour Study

Reference Coordinates:

North Latitude: 33-51-24

West Longitude: 89-55-15

Azimuth °T.	ERP = 48.0 kW Ave. Elev. 3 to 16 km	FM - 2-6 Tables Effective Antenna Height	ERP (dBk)	F(50-50) Distance to 70 dBu Contour	F(50-50) Distance to 60 dBu Contour
	Meters AMSL	Meters AAT		km	km
0	96.9	140.4	16.812	31.5	50.9
5	98.8	138.5	16.812	31.3	50.6
10	100.2	137.1	16.812	31.2	50.4
15	101.5	135.8	16.812	31.1	50.2
20	105.8	131.5	16.812	30.6	49.6
25	107.8	129.5	16.812	30.4	49.3
30	113.7	123.6	16.812	29.8	48.5
35	117.9	119.4	16.812	29.4	47.9
40	121.6	115.7	16.812	29.0	47.3
45	111.8	125.5	16.812	30.0	48.8
50	108.6	128.7	16.812	30.3	49.2
55	104.2	133.1	16.812	30.8	49.9
60	97.4	139.9	16.812	31.5	50.8
65	91.3	146.0	16.769	32.1	51.6
70	88.6	148.7	16.725	32.3	51.8
75	86.5	150.8	15.800	30.9	50.2
80	81.3	156.0	14.765	29.7	48.8
85	78.7	158.6	13.935	28.6	47.4
90	79.4	157.9	13.017	27.2	45.4
95	75.7	161.6	12.540	26.9	44.9
100	72.4	164.9	12.036	26.4	44.3
105	71.0	166.3	12.036	26.5	44.5
110	68.4	168.9	12.036	26.7	44.7
115	67.0	170.3	12.540	27.5	45.9
120	64.2	173.1	13.017	28.4	47.2
125	61.2	176.1	13.935	30.1	49.3
130	64.2	173.1	14.765	31.2	50.7
135	66.8	170.5	15.800	32.9	52.6
140	72.0	165.3	16.725	34.1	53.9
145	71.5	165.8	16.769	34.2	54.1
150	74.4	162.9	16.812	34.0	53.8
155	73.7	163.6	16.812	34.1	53.9

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ERP = 48.0 kW		FM - 2-6 Tables		F(50-50)	F(50-50)
Ave. Elev.		Effective		Distance to	Distance to
Azimuth	3 to 16 km	Antenna Height	ERP	70 dBu Contour	60 dBu Contour
°T.	Meters AMSL	Meters AAT	(dBk)	km	km
160	73.2	164.1	16.812	34.1	53.9
165	66.3	171.0	16.812	34.8	54.7
170	66.4	170.9	16.812	34.8	54.7
175	68.1	169.2	16.812	34.7	54.5
180	69.4	167.9	16.812	34.5	54.4
185	68.2	169.1	16.812	34.7	54.5
190	68.4	168.9	16.812	34.6	54.5
195	68.0	169.3	16.812	34.7	54.5
200	70.3	167.0	16.812	34.4	54.3
205	69.3	168.0	16.812	34.6	54.4
210	72.7	164.6	16.812	34.2	54.0
215	67.9	169.4	16.812	34.7	54.5
220	67.3	170.0	16.812	34.8	54.6
225	70.4	166.9	16.812	34.4	54.3
230	72.7	164.6	16.812	34.2	54.0
235	79.4	157.9	16.812	33.5	53.2
240	79.2	158.1	16.812	33.5	53.2
245	79.9	157.4	16.812	33.4	53.1
250	79.6	157.7	16.812	33.5	53.2
255	79.5	157.8	16.812	33.5	53.2
260	82.3	155.0	16.812	33.2	52.8
265	83.3	154.0	16.812	33.1	52.7
270	87.1	150.2	16.812	32.6	52.2
275	87.9	149.4	16.812	32.5	52.1
280	87.1	150.2	16.812	32.6	52.2
285	88.7	148.6	16.812	32.5	52.0
290	96.8	140.5	16.812	31.6	50.9
295	93.4	143.9	16.812	31.9	51.4
300	92.4	144.9	16.812	32.0	51.5
305	92.8	144.5	16.812	32.0	51.5
310	95.6	141.7	16.812	31.7	51.1
315	92.5	144.8	16.812	32.0	51.5
320	97.9	139.4	16.812	31.4	50.7
325	100.4	136.9	16.812	31.2	50.4
330	99.7	137.6	16.812	31.3	50.5
335	96.0	141.3	16.812	31.7	51.0
340	88.9	148.4	16.812	32.4	52.0
345	88.3	149.0	16.812	32.5	52.1
350	91.4	145.9	16.812	32.2	51.7
355	95.6	141.7	16.812	31.7	51.1