

**Engineering Statement
In Support of an Application
for a Construction Permit**

WMXX, Jackson, Tennessee, Channel 276C2

WMXX Terrain Contour Study

Reference Coordinates:

North Latitude: 35-32-39

West Longitude: 88-47-18

Azimuth °T.	ERP = 42 kW Ave. Elev.	FM - 2-6 Tables		F(50-50) Distance to	F(50-50) Distance to
	3 to 16 km Meters AMSL	Effective Antenna Height Meters AAT	ERP (dBk)	70 dBu Contour km	60 dBu Contour km
0.0	132.1	163.9	16.232	32.7	52.4
5.0	133.8	162.2	16.232	32.5	52.2
10.0	136.4	159.6	16.232	32.2	51.9
15.0	134.5	161.5	16.232	32.4	52.1
20.0	138.4	157.6	16.232	32.0	51.6
25.0	131.9	164.1	16.232	32.7	52.4
30.0	126.8	169.2	16.232	33.2	53.0
35.0	129.7	166.3	16.232	32.9	52.7
40.0	124.4	171.6	16.232	33.5	53.2
45.0	123.1	172.9	16.232	33.6	53.4
50.0	128	168.0	16.232	33.1	52.8
55.0	122.4	173.6	16.232	33.7	53.4
60.0	124.9	171.1	16.232	33.4	53.2
65.0	127.3	168.7	16.232	33.2	52.9
70.0	128.1	167.9	16.232	33.1	52.8
75.0	131	165.0	16.232	32.8	52.5
80.0	130.9	165.1	16.232	32.8	52.5
85.0	139	157.0	16.232	32.0	51.5
90.0	139.6	156.4	16.232	31.9	51.5
95.0	137.2	158.8	16.232	32.2	51.8
100.0	135.2	160.8	16.232	32.4	52.0
105.0	128.8	167.2	16.232	33.0	52.7
110.0	124.8	171.2	16.232	33.4	53.2
115.0	122.2	173.8	16.232	33.7	53.4
120.0	121.9	174.1	16.232	33.7	53.5
125.0	119.8	176.2	16.232	33.9	53.7
130.0	119.6	176.4	16.232	33.9	53.7
135.0	120.7	175.3	16.232	33.8	53.6
140.0	121.8	174.2	16.232	33.7	53.5
145.0	124.1	171.9	16.232	33.5	53.3
150.0	125.5	170.5	16.232	33.4	53.1
155.0	134.1	161.9	16.232	32.5	52.1

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ERP = 42 kW		FM - 2-6 Tables		F(50-50)	F(50-50)
Azimuth	Ave. Elev.	Effective	ERP	Distance to	Distance to
°T.	3 to 16 km	Antenna Height	(dBk)	70 dBu Contour	60 dBu Contour
	Meters AMSL	Meters AAT		km	km
160.0	136.9	159.1	16.232	32.2	51.8
165.0	140.3	155.7	16.232	31.8	51.4
170.0	146.7	149.3	16.232	31.2	50.5
175.0	146.6	149.4	16.232	31.2	50.5
180.0	156.7	139.3	16.232	30.2	49.2
185.0	151.8	144.2	16.232	30.6	49.8
190.0	151.4	144.6	16.232	30.7	49.9
195.0	149.2	146.8	16.232	30.9	50.2
200.0	146.3	149.7	16.232	31.2	50.6
205.0	144.5	151.5	16.232	31.4	50.8
210.0	135.5	160.5	16.232	32.3	52.0
215.0	134.7	161.3	16.232	32.4	52.1
220.0	134.5	161.5	16.232	32.4	52.1
225.0	142.8	153.2	16.232	31.6	51.1
230.0	152.1	143.9	16.232	30.6	49.8
235.0	167.1	128.9	16.232	29.2	47.7
240.0	160.1	135.9	16.232	29.8	48.7
245.0	154.5	141.5	16.232	30.4	49.5
250.0	153.8	142.2	16.232	30.4	49.6
255.0	151.7	144.3	16.232	30.7	49.9
260.0	148.6	147.4	16.232	31.0	50.3
265.0	147.9	148.1	16.232	31.0	50.4
270.0	146.5	149.5	16.232	31.2	50.6
275.0	144.5	151.5	16.232	31.4	50.8
280.0	142.4	153.6	16.232	31.6	51.1
285.0	135.3	160.7	16.232	32.4	52.0
290.0	132.7	163.3	16.232	32.6	52.3
295.0	128.9	167.1	16.232	33.0	52.7
300.0	125.2	170.8	16.232	33.4	53.1
305.0	121.5	174.5	16.232	33.8	53.5
310.0	120.1	175.9	16.232	33.9	53.7
315.0	116.6	179.4	16.232	34.2	54.0
320.0	113	183.0	16.232	34.5	54.3
325.0	111.8	184.2	16.232	34.6	54.4
330.0	116.1	179.9	16.232	34.3	54.0
335.0	121.1	174.9	16.232	33.8	53.6
340.0	127.9	168.1	16.232	33.1	52.8
345.0	129.5	166.5	16.232	33.0	52.7
350.0	135.3	160.7	16.232	32.4	52.0
355.0	133.2	162.8	16.232	32.6	52.2