

Engineering Statement

In Support of an Application for a Construction Permit

WZLM, Dadeville, AL
Channel 262

WZLM Terrain-Contour Study

Reference Coordinates:

North Latitude: 32-52-58

West Longitude: 85-49-16

Azimuth °T.	ERP = 2.20 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	km	km
0.0	201.2	147.3	3.424	15.2		26.7	
5.0	196.2	152.3	3.424	15.5		27.1	
10.0	197.4	151.1	3.424	15.4		27.0	
15.0	201.7	146.8	3.424	15.2		26.7	
20.0	196.8	151.7	3.424	15.4		27.1	
25.0	190.1	158.4	3.424	15.9		27.6	
30.0	190.9	157.6	3.424	15.8		27.6	
35.0	198.5	150.0	3.424	15.3		26.9	
40.0	196.8	151.7	3.424	15.5		27.1	
45.0	209.5	139.0	3.424	14.7		26.1	
50.0	201.0	147.5	3.424	15.2		26.7	
55.0	200.0	148.5	3.424	15.3		26.8	
60.0	201.2	147.3	3.424	15.2		26.7	
65.0	205.1	143.4	3.424	14.9		26.4	
70.0	214.0	134.5	3.424	14.4		25.7	
75.0	220.6	127.9	3.424	14.1		25.2	
80.0	218.0	130.5	3.424	14.2		25.4	
85.0	211.7	136.8	3.424	14.6		25.9	
90.0	205.7	142.8	3.424	14.9		26.4	
95.0	202.3	146.2	3.424	15.1		26.6	
100.0	200.6	147.9	3.424	15.2		26.8	
105.0	193.8	154.7	3.424	15.6		27.3	
110.0	189.1	159.4	3.424	15.9		27.7	
115.0	187.7	160.8	3.424	16.0		27.8	
120.0	187.9	160.6	3.424	16.0		27.8	
125.0	191.3	157.2	3.424	15.8		27.5	
130.0	187.5	161.0	3.424	16.0		27.8	
135.0	188.6	159.9	3.424	15.9		27.7	
140.0	184.7	163.8	3.424	16.2		28.0	
145.0	189.1	159.4	3.424	15.9		27.7	
150.0	194.8	153.7	3.424	15.6		27.2	
155.0	191.3	157.2	3.424	15.8		27.5	

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Exhibit E, Figure 2

ERP = 2.20 kW		FM - 2-6 Tables		F(50-50)	F(50-50)
Azimuth °T.	Ave. Elev. 3 to 16 km	Effective Antenna Height Meters AAT	ERP (dBk)	Distance to 70 dBu Contour	Distance to 60 dBu Contour
	Meters AMSL			km	km
160.0	181.6	166.9	3.424	16.4	28.3
165.0	173.8	174.7	3.424	16.8	28.9
170.0	168.6	179.9	3.424	17.0	29.3
175.0	161.4	187.1	3.424	17.4	29.8
180.0	150.9	197.6	3.424	17.8	30.6
185.0	150.5	198.0	3.424	17.8	30.6
190.0	151.8	196.7	3.424	17.8	30.5
195.0	156.2	192.3	3.424	17.6	30.2
200.0	165.0	183.5	3.424	17.2	29.5
205.0	154.7	193.8	3.424	17.7	30.3
210.0	149.4	199.1	3.424	17.9	30.7
215.0	151.0	197.5	3.424	17.8	30.6
220.0	152.3	196.2	3.424	17.8	30.5
225.0	153.8	194.7	3.424	17.7	30.4
230.0	154.8	193.7	3.424	17.7	30.3
235.0	166.8	181.7	3.424	17.1	29.4
240.0	161.8	186.7	3.424	17.3	29.8
245.0	166.1	182.4	3.424	17.1	29.4
250.0	171.7	176.8	3.424	16.9	29.0
255.0	166.6	181.9	3.424	17.1	29.4
260.0	167.6	180.9	3.424	17.1	29.3
265.0	161.5	187.0	3.424	17.4	29.8
270.0	163.0	185.5	3.424	17.3	29.7
275.0	169.8	178.7	3.424	17.0	29.2
280.0	177.1	171.4	3.424	16.6	28.6
285.0	183.0	165.5	3.424	16.3	28.2
290.0	185.9	162.6	3.424	16.1	27.9
295.0	185.3	163.2	3.424	16.1	28.0
300.0	184.1	164.4	3.424	16.2	28.1
305.0	179.8	168.7	3.424	16.5	28.4
310.0	180.0	168.5	3.424	16.4	28.4
315.0	183.6	164.9	3.424	16.2	28.1
320.0	186.5	162.0	3.424	16.1	27.9
325.0	181.8	166.7	3.424	16.3	28.3
330.0	181.9	166.6	3.424	16.3	28.3
335.0	182.0	166.5	3.424	16.3	28.3
340.0	188.6	159.9	3.424	15.9	27.7
345.0	191.3	157.2	3.424	15.8	27.5
350.0	197.9	150.6	3.424	15.4	27.0
355.0	201.8	146.7	3.424	15.1	26.7