

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

WBLX-FM, Mobile, Alabama

Terrain and Contour Study

Reference Coordinates:

North Latitude: 30-36-45

West Longitude: 87-38-43

Azimuth °T.	ERP = 100.0 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	31.7	551.1	20.000	65.4	89.7
5	25.4	557.4	20.000	65.8	90.0
10	33.1	549.7	20.000	65.3	89.6
15	35.3	547.5	20.000	65.2	89.5
20	38.1	544.7	20.000	65.1	89.4
25	38.7	544.1	20.000	65.0	89.3
30	35.3	547.5	20.000	65.2	89.5
35	33.0	549.8	20.000	65.4	89.6
40	36.6	546.2	20.000	65.1	89.4
45	36.6	546.2	20.000	65.1	89.4
50	36.3	546.5	20.000	65.2	89.5
55	33.4	549.4	20.000	65.3	89.6
60	29.3	553.5	20.000	65.6	89.8
65	28.0	554.8	20.000	65.6	89.9
70	25.8	557.0	20.000	65.7	90.0
75	23.1	559.7	20.000	65.9	90.1
80	23.0	559.8	20.000	65.9	90.1
85	23.1	559.7	20.000	65.9	90.1
90	22.6	560.2	20.000	65.9	90.2
95	18.3	564.5	20.000	66.1	90.4
100	16.5	566.3	20.000	66.2	90.4
105	20.4	562.4	20.000	66.0	90.3
110	23.9	558.9	20.000	65.8	90.1
115	21.3	561.5	20.000	66.0	90.2
120	21.9	560.9	20.000	65.9	90.2
125	25.7	557.1	20.000	65.7	90.0
130	28.0	554.8	20.000	65.6	89.9
135	29.1	553.7	20.000	65.6	89.8
140	33.0	549.8	20.000	65.4	89.6
145	28.7	554.1	20.000	65.6	89.9
150	25.2	557.6	20.000	65.8	90.0
155	25.5	557.3	20.000	65.8	90.0

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Exhibit E, Figure 2

ERP = 100.0 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	25.6	557.2	20.000	65.7	90.0
165	26.7	556.1	20.000	65.7	90.0
170	27.3	555.5	20.000	65.7	89.9
175	28.5	554.3	20.000	65.6	89.9
180	29.4	553.4	20.000	65.5	89.8
185	30.8	552.0	20.000	65.5	89.7
190	30.3	552.5	20.000	65.5	89.8
195	30.4	552.4	20.000	65.5	89.8
200	30.3	552.5	20.000	65.5	89.8
205	31.1	551.7	20.000	65.5	89.7
210	30.8	552.0	20.000	65.5	89.7
215	30.9	551.9	20.000	65.5	89.7
220	29.3	553.5	20.000	65.6	89.8
225	33.4	549.4	20.000	65.3	89.6
230	34.8	548.0	20.000	65.2	89.5
235	36.8	546.0	20.000	65.1	89.4
240	36.9	545.9	20.000	65.1	89.4
245	36.8	546.0	20.000	65.1	89.4
250	36.9	545.9	20.000	65.1	89.4
255	38.2	544.6	20.000	65.1	89.4
260	39.1	543.7	20.000	65.0	89.3
265	40.8	542.0	20.000	64.9	89.2
270	42.7	540.1	20.000	64.8	89.1
275	43.8	539.0	20.000	64.7	89.0
280	43.9	538.9	20.000	64.7	89.0
285	44.4	538.4	20.000	64.7	89.0
290	45.5	537.3	20.000	64.6	88.9
295	45.3	537.5	20.000	64.6	89.0
300	46.6	536.2	20.000	64.6	88.9
305	47.3	535.5	20.000	64.5	88.8
310	42.4	540.4	20.000	64.8	89.1
315	37.8	545.0	20.000	65.1	89.4
320	34.3	548.5	20.000	65.3	89.6
325	30.9	551.9	20.000	65.5	89.7
330	30.1	552.7	20.000	65.5	89.8
335	34.9	547.9	20.000	65.2	89.5
340	36.1	546.7	20.000	65.2	89.5
345	38.0	544.8	20.000	65.1	89.4
350	35.9	546.9	20.000	65.2	89.5
355	34.6	548.2	20.000	65.3	89.5