

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

**WEAS-FM, Springfield, Georgia
Channel 226C1**

WEAS-FM Terrain-Contour Study

Reference Coordinates:

North Latitude: 32-02-45

West Longitude: 81-20-27

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 70 dBu Contour km	Distance to 60 dBu Contour km
	3 to 16 km Meters AMSL				
0	7.4	296.3	20.000	49.8	72.1
5	6.2	297.5	20.000	49.9	72.2
10	6.5	297.2	20.000	49.9	72.2
15	6.1	297.6	20.000	49.9	72.2
20	6.0	297.7	20.000	49.9	72.2
25	6.0	297.7	20.000	49.9	72.2
30	6.0	297.7	20.000	49.9	72.2
35	5.1	298.6	20.000	50.0	72.3
40	5.1	298.6	20.000	50.0	72.3
45	5.7	298.0	20.000	50.0	72.2
50	4.7	299.0	20.000	50.0	72.3
55	3.9	299.8	20.000	50.1	72.4
60	2.8	300.9	20.000	50.2	72.5
65	2.0	301.7	20.000	50.2	72.5
70	2.2	301.5	20.000	50.2	72.5
75	2.3	301.4	20.000	50.2	72.5
80	2.1	301.6	20.000	50.2	72.5
85	1.5	302.2	20.000	50.2	72.5
90	1.7	302.0	20.000	50.2	72.5
95	0.9	302.8	20.000	50.3	72.6
100	0.7	303.0	20.000	50.3	72.6
105	0.4	303.3	20.000	50.3	72.6
110	0.1	303.6	20.000	50.3	72.7
115	0.1	303.6	20.000	50.3	72.7
120	0.1	303.6	20.000	50.3	72.7
125	0.1	303.6	20.000	50.3	72.7
130	0.1	303.6	20.000	50.3	72.7
135	0.1	303.6	20.000	50.3	72.7
140	0.0	303.7	20.000	50.3	72.7
145	0.0	303.7	20.000	50.3	72.7
150	0.0	303.7	20.000	50.3	72.7
155	0.0	303.7	20.000	50.3	72.7

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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	0.0	303.7	20.000	50.3	72.7
165	0.0	303.7	20.000	50.3	72.7
170	0.0	303.7	20.000	50.3	72.7
175	0.0	303.7	20.000	50.3	72.7
180	0.0	303.7	20.000	50.3	72.7
185	0.1	303.6	20.000	50.3	72.7
190	0.3	303.4	20.000	50.3	72.6
195	0.4	303.3	20.000	50.3	72.6
200	0.3	303.4	20.000	50.3	72.6
205	1.7	302.0	20.000	50.2	72.5
210	2.9	300.8	20.000	50.1	72.4
215	3.9	299.8	20.000	50.1	72.4
220	4.2	299.5	20.000	50.1	72.3
225	5.0	298.7	20.000	50.0	72.3
230	5.4	298.3	20.000	50.0	72.2
235	5.8	297.9	20.000	50.0	72.2
240	6.0	297.7	20.000	49.9	72.2
245	6.0	297.7	20.000	49.9	72.2
250	6.0	297.7	20.000	49.9	72.2
255	6.2	297.5	20.000	49.9	72.2
260	8.2	295.5	20.000	49.8	72.0
265	9.6	294.1	20.000	49.7	71.9
270	9.7	294.0	20.000	49.7	71.9
275	10.3	293.4	20.000	49.6	71.9
280	11.2	292.5	20.000	49.6	71.8
285	11.8	291.9	20.000	49.5	71.7
290	11.8	291.9	20.000	49.5	71.7
295	11.7	292.0	20.000	49.6	71.8
300	11.2	292.5	20.000	49.6	71.8
305	10.7	293.0	20.000	49.6	71.8
310	8.9	294.8	20.000	49.7	72.0
315	8.0	295.7	20.000	49.8	72.0
320	7.3	296.4	20.000	49.9	72.1
325	7.3	296.4	20.000	49.9	72.1
330	6.5	297.2	20.000	49.9	72.2
335	6.1	297.6	20.000	49.9	72.2
340	6.3	297.4	20.000	49.9	72.2
345	6.0	297.7	20.000	49.9	72.2
350	6.1	297.6	20.000	49.9	72.2
355	7.7	296.0	20.000	49.8	72.1