

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

**KJKB, Jacksboro, Texas
Channel 238A**

Terrain-Contour Study

Reference Coordinates:

North Latitude: 33-19-43

West Longitude: 98-16-46

Azimuth °T.	ERP = 6.0 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	310.4	113.7	7.782	17.4	30.0
5	310.9	113.2	7.782	17.4	30.0
10	310.1	114.0	7.782	17.4	30.1
15	314.9	109.2	7.782	17.0	29.5
20	307.5	116.6	7.782	17.6	30.3
25	305.8	118.3	7.782	17.8	30.5
30	310.0	114.1	7.782	17.4	30.1
35	307.6	116.5	7.782	17.6	30.3
40	305.6	118.5	7.782	17.8	30.6
45	313.5	110.6	7.782	17.1	29.6
50	311.9	112.2	7.782	17.3	29.8
55	306.6	117.5	7.782	17.7	30.5
60	304.5	119.6	7.782	17.9	30.7
65	303.3	120.8	7.782	18.0	30.8
70	301.2	122.9	7.782	18.1	31.0
75	302.2	121.9	7.782	18.0	30.9
80	303.2	120.9	7.782	18.0	30.8
85	302.0	122.1	7.782	18.1	31.0
90	301.6	122.5	7.782	18.1	31.0
95	303.4	120.7	7.782	18.0	30.8
100	305.7	118.4	7.782	17.8	30.6
105	308.0	116.1	7.782	17.6	30.3
110	303.9	120.2	7.782	17.9	30.7
115	300.7	123.4	7.782	18.2	31.1
120	301.5	122.6	7.782	18.1	31.0
125	303.8	120.3	7.782	17.9	30.8
130	305.4	118.7	7.782	17.8	30.6
135	307.2	116.9	7.782	17.7	30.4
140	309.8	114.3	7.782	17.5	30.1
145	312.7	111.4	7.782	17.2	29.7
150	317.0	107.1	7.782	16.8	29.2
155	322.1	102.0	7.782	16.4	28.6

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Exhibit E, Figure 2

ERP = 6.0 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	331.4	92.7	7.782	15.5	27.3
165	337.3	86.8	7.782	14.9	26.5
170	344.3	79.8	7.782	14.3	25.4
175	342.5	81.6	7.782	14.4	25.7
180	347.6	76.5	7.782	14.0	25.0
185	353.9	70.2	7.782	13.4	24.0
190	364.1	60.0	7.782	12.5	22.4
195	367.4	56.7	7.782	12.2	21.9
200	358.2	65.9	7.782	13.1	23.4
205	359.2	64.9	7.782	13.0	23.2
210	363.1	61.0	7.782	12.6	22.6
215	365.8	58.3	7.782	12.4	22.2
220	369.8	54.3	7.782	12.0	21.4
225	372.8	51.3	7.782	11.6	20.9
230	371.9	52.2	7.782	11.8	21.0
235	357.2	66.9	7.782	13.1	23.5
240	348.5	75.6	7.782	13.9	24.8
245	344.7	79.4	7.782	14.2	25.4
250	340.2	83.9	7.782	14.6	26.0
255	338.4	85.7	7.782	14.8	26.3
260	335.7	88.4	7.782	15.0	26.7
265	331.0	93.1	7.782	15.5	27.4
270	327.8	96.3	7.782	15.8	27.8
275	326.0	98.1	7.782	16.0	28.0
280	325.6	98.5	7.782	16.0	28.1
285	323.2	100.9	7.782	16.3	28.4
290	324.1	100.0	7.782	16.2	28.3
295	324.2	99.9	7.782	16.1	28.3
300	322.3	101.8	7.782	16.3	28.5
305	315.9	108.2	7.782	16.9	29.3
310	309.8	114.3	7.782	17.5	30.1
315	311.9	112.2	7.782	17.3	29.8
320	313.4	110.7	7.782	17.2	29.7
325	311.2	112.9	7.782	17.3	29.9
330	306.5	117.6	7.782	17.7	30.5
335	304.7	119.4	7.782	17.9	30.7
340	309.0	115.1	7.782	17.5	30.2
345	312.2	111.9	7.782	17.3	29.8
350	311.6	112.5	7.782	17.3	29.9
355	308.8	115.3	7.782	17.5	30.2