

**Engineering Statement  
In Support of an  
Application for a Construction Permit  
KQXY, Channel 231C1, Beaumont, Texas**

**KQXY Terrain-Contour Study**

**Reference Coordinates:**

**North Latitude: 30-20-15**

**West Longitude: 94-08-49**

ERP = 100.0 kW		FM - 2-6 Tables		F(50-50)	F(50-50)
Ave. Elev.		Effective		Distance to	Distance to
3 to 16 km		Antenna Height		70 dBu Contour	60 dBu Contour
Azimuth	Meters AMSL	Meters AAT	ERP	km	km
°T.			(dBk)		
0.0	14.1	105.9	20.000	32.8	51.9
5.0	11.8	108.2	20.000	33.1	52.4
10.0	10.6	109.4	20.000	33.3	52.6
15.0	6.7	113.3	20.000	33.8	53.2
20.0	5.9	114.1	20.000	33.9	53.3
25.0	6.7	113.3	20.000	33.8	53.2
30.0	7.3	112.7	20.000	33.8	53.1
35.0	8.1	111.9	20.000	33.7	53.0
40.0	8.6	111.4	20.000	33.6	52.9
45.0	8.8	111.2	20.000	33.6	52.9
50.0	9.0	111.0	20.000	33.5	52.8
55.0	8.7	111.3	20.000	33.6	52.9
60.0	8.7	111.3	20.000	33.6	52.9
65.0	8.3	111.7	20.000	33.6	52.9
70.0	8.1	111.9	20.000	33.6	53.0
75.0	8.3	111.7	20.000	33.6	52.9
80.0	8.4	111.6	20.000	33.6	52.9
85.0	8.4	111.6	20.000	33.6	52.9
90.0	8.1	111.9	20.000	33.7	53.0
95.0	7.8	112.2	20.000	33.7	53.0
100.0	7.7	112.3	20.000	33.7	53.0
105.0	7.9	112.1	20.000	33.7	53.0
110.0	7.4	112.6	20.000	33.8	53.1
115.0	6.4	113.6	20.000	33.9	53.2
120.0	5.9	114.1	20.000	33.9	53.3
125.0	5.9	114.1	20.000	33.9	53.3
130.0	5.9	114.1	20.000	33.9	53.3
135.0	5.9	114.1	20.000	33.9	53.3
140.0	5.9	114.1	20.000	33.9	53.3
145.0	5.9	114.1	20.000	33.9	53.3
150.0	5.9	114.1	20.000	33.9	53.3
155.0	5.2	114.8	20.000	34.0	53.4

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**Exhibit E, Figure 2**

ERP = 100.0 kW		FM - 2-6 Tables		F(50-50)	F(50-50)
Ave. Elev.		Effective		Distance to	Distance to
Azimuth	3 to 16 km	Antenna Height	ERP	70 dBu Contour	60 dBu Contour
°T.	Meters AMSL	Meters AAT	(dBk)	km	km
160.0	2.6	117.4	20.000	34.4	53.8
165.0	2.5	117.5	20.000	34.4	53.9
170.0	2.7	117.3	20.000	34.4	53.8
175.0	3.3	116.7	20.000	34.3	53.8
180.0	3.9	116.1	20.000	34.2	53.7
185.0	5.7	114.3	20.000	34.0	53.4
190.0	6.6	113.4	20.000	33.8	53.2
195.0	6.4	113.6	20.000	33.9	53.3
200.0	6.4	113.6	20.000	33.9	53.3
205.0	6.4	113.6	20.000	33.9	53.2
210.0	7.3	112.7	20.000	33.8	53.1
215.0	8.6	111.4	20.000	33.6	52.9
220.0	9.8	110.2	20.000	33.4	52.7
225.0	10.5	109.5	20.000	33.3	52.6
230.0	11.4	108.6	20.000	33.2	52.4
235.0	11.0	109.0	20.000	33.2	52.5
240.0	10.9	109.1	20.000	33.3	52.5
245.0	11.3	108.7	20.000	33.2	52.4
250.0	11.7	108.3	20.000	33.1	52.4
255.0	12.7	107.3	20.000	33.0	52.2
260.0	13.4	106.6	20.000	32.9	52.1
265.0	13.7	106.3	20.000	32.8	52.0
270.0	12.9	107.1	20.000	33.0	52.2
275.0	12.1	107.9	20.000	33.1	52.3
280.0	11.9	108.1	20.000	33.1	52.3
285.0	12.1	107.9	20.000	33.1	52.3
290.0	12.8	107.2	20.000	33.0	52.2
295.0	14.3	105.7	20.000	32.8	51.9
300.0	14.5	105.5	20.000	32.7	51.9
305.0	14.5	105.5	20.000	32.7	51.9
310.0	15.7	104.3	20.000	32.5	51.7
315.0	15.7	104.3	20.000	32.5	51.7
320.0	17.6	102.4	20.000	32.2	51.3
325.0	18.3	101.7	20.000	32.1	51.2
330.0	18.7	101.3	20.000	32.1	51.1
335.0	19.4	100.6	20.000	32.0	51.0
340.0	20.8	99.2	20.000	31.7	50.7
345.0	23.4	96.6	20.000	31.3	50.2
350.0	23.0	97.0	20.000	31.4	50.3
355.0	17.6	102.4	20.000	32.2	51.3