

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

**Channel 232A at Hemphill, TX Protected/KQXY Interfering FM Overlap Study**

30 Sec. Terrain Data

RADD  
Channel = 232A  
Max ERP = 6 kW  
RCAMSL = 176.3 M  
N. Lat = 311818  
W. Lng = 935139

KQXY  
Channel = 231C1  
Max ERP = 100 kW  
RCAMSL = 120 M  
N. Lat = 302015  
W. Lng = 940849

Protected  
60 dBu

Interfering  
54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
000.0	006.0000	0099.8	028.3	011.3	100.0000	0110.1	138.3	41.8
010.0	006.0000	0101.0	028.4	013.3	100.0000	0111.9	139.1	41.7
020.0	006.0000	0100.6	028.4	015.3	100.0000	0113.2	139.0	41.8
030.0	006.0000	0111.1	029.7	017.4	100.0000	0113.7	139.5	41.7
040.0	006.0000	0106.0	029.1	019.4	100.0000	0113.9	137.5	42.1
050.0	006.0000	0094.2	027.5	021.0	100.0000	0113.8	134.0	42.8
060.0	006.0000	0097.2	027.9	022.8	100.0000	0113.3	131.7	43.2
070.0	006.0000	0097.2	027.9	024.4	100.0000	0113.1	128.5	43.8
080.0	006.0000	0104.7	028.9	026.2	100.0000	0113.1	125.4	44.4
090.0	006.0000	0113.3	030.0	027.9	100.0000	0112.9	121.6	45.0
100.0	006.0000	0122.7	031.0	029.3	100.0000	0112.6	117.2	45.8
110.0	006.0000	0104.0	028.8	029.0	100.0000	0112.7	111.6	46.8
120.0	006.0000	0107.1	029.2	029.4	100.0000	0112.6	106.6	47.8
130.0	006.0000	0102.9	028.7	028.8	100.0000	0112.7	101.6	48.9
140.0	006.0000	0101.6	028.5	027.9	100.0000	0112.9	096.9	50.1
150.0	006.0000	0100.0	028.3	026.4	100.0000	0113.1	092.6	51.2
160.0	006.0000	0104.4	028.9	024.7	100.0000	0113.1	088.4	52.3
170.0	006.0000	0102.6	028.6	022.1	100.0000	0113.5	085.4	53.2
180.0	006.0000	0099.9	028.3	019.0	100.0000	0113.8	083.6	53.7
190.0	006.0000	0097.9	028.0	015.7	100.0000	0113.3	082.8	53.9
200.0	006.0000	0099.8	028.3	012.3	100.0000	0111.1	082.6	53.9
210.0	006.0000	0100.9	028.4	009.0	100.0000	0108.7	083.7	53.5
220.0	006.0000	0100.3	028.3	006.1	100.0000	0108.1	086.0	52.8
230.0	006.0000	0097.8	028.0	003.8	100.0000	0107.5	089.5	51.8
240.0	006.0000	0094.4	027.5	002.2	100.0000	0106.8	093.6	50.7
250.0	006.0000	0090.6	027.0	001.2	100.0000	0106.2	098.0	49.5
260.0	006.0000	0089.3	026.8	000.5	100.0000	0105.9	102.6	48.4
270.0	006.0000	0088.9	026.8	000.3	100.0000	0105.7	107.3	47.4
280.0	006.0000	0090.5	027.0	000.4	100.0000	0105.8	111.9	46.5
290.0	006.0000	0088.6	026.7	001.1	100.0000	0106.2	116.4	45.7
300.0	006.0000	0086.4	026.4	002.1	100.0000	0106.8	120.5	45.0
310.0	006.0000	0090.0	026.9	003.1	100.0000	0107.3	124.7	44.3
320.0	006.0000	0098.3	028.1	004.1	100.0000	0107.6	129.1	43.5
330.0	006.0000	0101.3	028.5	005.6	100.0000	0108.0	132.6	42.9
340.0	006.0000	0096.2	027.8	007.5	100.0000	0108.3	134.6	42.5
350.0	006.0000	0101.8	028.5	009.3	100.0000	0108.8	137.2	42.0