

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

Channel 231A at Mt. Enterprise, TX Protected/KQXY Interfering FM Overlap Study

30 Sec. Terrain Data

RADD
Channel = 231A
Max ERP = 6 kW
RCAMSL = 131.5 M
N. Lat = 315940
W. Lng = 944029

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

Protected
60 dBu

Interfering
40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
000.0	006.0000	-0008.2	015.8	346.1	100.0000	0095.8	205.7	29.6
010.0	006.0000	-0002.9	015.8	346.8	100.0000	0095.6	204.8	29.8
020.0	006.0000	0009.3	015.8	347.4	100.0000	0095.5	203.5	29.9
030.0	006.0000	0020.1	015.8	348.0	100.0000	0095.6	201.9	30.2
040.0	006.0000	0027.0	015.8	348.6	100.0000	0095.7	199.8	30.5
050.0	006.0000	0030.4	015.9	349.0	100.0000	0096.0	197.6	30.8
060.0	006.0000	0031.2	016.1	349.4	100.0000	0096.2	195.2	31.2
070.0	006.0000	0029.7	015.8	349.5	100.0000	0096.3	192.4	31.7
080.0	006.0000	0017.4	015.8	349.6	100.0000	0096.3	189.7	32.2
090.0	006.0000	0013.7	015.8	349.5	100.0000	0096.2	186.9	32.7
100.0	006.0000	0000.8	015.8	349.3	100.0000	0096.1	184.3	33.2
110.0	006.0000	-0008.4	015.8	348.9	100.0000	0095.9	181.8	33.6
120.0	006.0000	-0000.1	015.8	348.4	100.0000	0095.7	179.6	34.0
130.0	006.0000	-0011.6	015.8	347.7	100.0000	0095.5	177.7	34.3
140.0	006.0000	-0014.5	015.8	347.0	100.0000	0095.5	176.3	34.6
150.0	006.0000	-0025.7	015.8	346.2	100.0000	0095.7	175.3	34.8
160.0	006.0000	-0024.4	015.8	345.3	100.0000	0096.0	174.8	34.9
170.0	006.0000	-0017.9	015.8	344.4	100.0000	0096.4	174.8	34.9
180.0	006.0000	-0010.0	015.8	343.5	100.0000	0096.8	175.3	34.8
190.0	006.0000	-0011.3	015.8	342.7	100.0000	0097.3	176.4	34.6
200.0	006.0000	0003.8	015.8	342.0	100.0000	0097.6	177.9	34.4
210.0	006.0000	0015.6	015.8	341.3	100.0000	0098.0	179.8	34.0
220.0	006.0000	0003.7	015.8	340.8	100.0000	0098.2	182.0	33.6
230.0	006.0000	-0004.5	015.8	340.5	100.0000	0098.5	184.5	33.2
240.0	006.0000	-0001.2	015.8	340.3	100.0000	0098.6	187.1	32.7
250.0	006.0000	0002.3	015.8	340.2	100.0000	0098.6	189.8	32.2
260.0	006.0000	0002.7	015.8	340.3	100.0000	0098.6	192.6	31.7
270.0	006.0000	0003.2	015.8	340.5	100.0000	0098.5	195.2	31.3
280.0	006.0000	0003.3	015.8	340.8	100.0000	0098.3	197.7	30.9
290.0	006.0000	0010.6	015.8	341.3	100.0000	0098.0	200.0	30.5
300.0	006.0000	0012.8	015.8	341.8	100.0000	0097.7	202.0	30.2
310.0	006.0000	0004.6	015.8	342.4	100.0000	0097.4	203.6	30.0
320.0	006.0000	0001.1	015.8	343.1	100.0000	0097.1	204.9	29.8
330.0	006.0000	-0004.7	015.8	343.8	100.0000	0096.7	205.7	29.7
340.0	006.0000	-0014.9	015.8	344.6	100.0000	0096.3	206.2	29.6
350.0	006.0000	-0018.5	015.8	345.3	100.0000	0096.0	206.2	29.6