

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

**KTND, Georgetown, Texas
Channel 299C3**

KXTN-FM Protected to KTND Interfering Contours Study

03 Sec. Terrain Data

KXTNFM BLH19840705CB
Channel = 298C0
Max ERP = 100 kW
RCAMSL = 609.75 M
N. Lat = 29 16 29
W. Lng = 98 15 52

KTND.P
Channel = 299C3
Max ERP = 10.5 kW
RCAMSL = 383.7 M
N. Lat = 303722
W. Lng = 973833

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	100.0000	0438.2	082.6	221.8	010.5000	0134.5	089.7	43.1
010.0	100.0000	0440.3	082.7	213.8	010.5000	0137.3	081.8	45.5
020.0	100.0000	0436.1	082.4	203.7	010.5000	0144.3	078.6	46.8
030.0	100.0000	0435.8	082.4	193.4	010.5000	0151.2	080.3	46.6
040.0	100.0000	0439.3	082.6	184.5	010.5000	0155.8	086.4	45.0
050.0	100.0000	0435.9	082.4	178.1	010.5000	0157.5	096.5	42.1
060.0	100.0000	0419.6	081.2	174.5	010.5000	0159.4	109.3	39.0
070.0	100.0000	0408.8	080.4	172.7	010.5000	0160.4	122.9	36.4
080.0	100.0000	0419.4	081.2	171.6	010.5000	0160.6	136.8	33.7
090.0	100.0000	0428.6	081.9	171.7	010.5000	0160.6	151.0	31.1
100.0	100.0000	0433.5	082.2	172.7	010.5000	0160.4	165.0	28.7
110.0	100.0000	0442.3	082.9	174.3	010.5000	0159.5	178.7	26.2
120.0	100.0000	0446.3	083.2	176.4	010.5000	0158.6	191.4	23.9
130.0	100.0000	0454.4	083.7	178.9	010.5000	0157.3	203.3	21.7
140.0	100.0000	0462.5	084.3	181.6	010.5000	0156.8	214.1	19.8
150.0	100.0000	0473.1	085.0	184.6	010.5000	0155.8	223.8	18.1
160.0	100.0000	0473.7	085.1	187.8	010.5000	0154.2	231.5	16.8
170.0	100.0000	0472.9	085.0	191.1	010.5000	0152.4	237.6	15.8
180.0	100.0000	0473.9	085.1	194.5	010.5000	0150.8	242.1	15.0
190.0	100.0000	0470.3	084.9	198.0	010.5000	0147.9	244.8	14.5
200.0	100.0000	0470.0	084.8	201.4	010.5000	0145.0	245.9	14.2
210.0	100.0000	0464.1	084.4	204.9	010.5000	0143.5	245.0	14.3
220.0	100.0000	0467.9	084.7	208.3	010.5000	0140.5	243.0	14.6
230.0	100.0000	0463.1	084.4	211.7	010.5000	0138.8	238.8	15.2
240.0	100.0000	0462.3	084.3	215.0	010.5000	0136.6	233.3	16.1
250.0	100.0000	0463.1	084.4	218.2	010.5000	0136.7	226.3	17.3
260.0	100.0000	0458.6	084.0	221.3	010.5000	0135.1	217.5	18.8
270.0	100.0000	0452.8	083.6	224.1	010.5000	0130.8	207.3	20.5
280.0	100.0000	0451.3	083.5	226.7	010.5000	0129.7	196.0	22.3
290.0	100.0000	0453.1	083.7	229.1	010.5000	0129.6	183.8	24.5
300.0	100.0000	0453.0	083.6	231.1	010.5000	0130.3	170.6	26.9
310.0	100.0000	0450.6	083.5	232.5	010.5000	0130.4	156.5	29.4
320.0	100.0000	0446.8	083.2	233.1	010.5000	0130.3	142.1	31.8
330.0	100.0000	0443.9	083.0	232.7	010.5000	0130.4	127.6	34.7
340.0	100.0000	0445.5	083.1	231.1	010.5000	0130.3	113.5	37.2
350.0	100.0000	0445.7	083.1	227.7	010.5000	0129.4	100.4	40.0