

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

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

KTND Protected to KXTN-FM Interfering Contours Study (1 Degree Intervals)

03 Sec. Terrain Data

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

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

Protected
60 dBu

Interfering
54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
181.0	010.5000	0156.7	039.4	028.1	100.0000	0435.2	125.0	53.3
182.0	010.5000	0156.8	039.5	027.8	100.0000	0435.1	124.7	53.4
183.0	010.5000	0156.7	039.4	027.6	100.0000	0435.0	124.4	53.5
184.0	010.5000	0156.1	039.4	027.3	100.0000	0435.0	124.2	53.5
185.0	010.5000	0155.7	039.3	027.0	100.0000	0435.0	124.0	53.6
186.0	010.5000	0155.4	039.3	026.7	100.0000	0435.0	123.8	53.6
187.0	010.5000	0154.8	039.2	026.4	100.0000	0435.1	123.6	53.7
188.0	010.5000	0154.0	039.1	026.0	100.0000	0435.2	123.5	53.7
189.0	010.5000	0153.9	039.1	025.7	100.0000	0435.3	123.3	53.8
190.0	010.5000	0153.2	039.0	025.4	100.0000	0435.4	123.1	53.8
191.0	010.5000	0152.5	039.0	025.1	100.0000	0435.6	123.1	53.8
192.0	010.5000	0151.8	038.9	024.8	100.0000	0435.7	123.0	53.8
193.0	010.5000	0151.5	038.8	024.5	100.0000	0435.8	122.9	53.9
194.0	010.5000	0151.0	038.8	024.2	100.0000	0435.9	122.8	53.9
195.0	010.5000	0150.4	038.7	023.9	100.0000	0436.0	122.7	53.9
196.0	010.5000	0149.6	038.6	023.5	100.0000	0436.1	122.7	53.9
197.0	010.5000	0149.1	038.5	023.2	100.0000	0436.1	122.7	53.9
198.0	010.5000	0147.8	038.4	022.9	100.0000	0436.2	122.8	53.9
199.0	010.5000	0146.7	038.3	022.6	100.0000	0436.2	122.9	53.9
200.0	010.5000	0145.9	038.2	022.3	100.0000	0436.2	122.9	53.9
201.0	010.5000	0145.1	038.1	022.0	100.0000	0436.2	123.0	53.8
202.0	010.5000	0144.8	038.0	021.7	100.0000	0436.2	123.0	53.8
203.0	010.5000	0144.6	038.0	021.4	100.0000	0436.2	123.1	53.8
204.0	010.5000	0144.2	038.0	021.1	100.0000	0436.2	123.1	53.8
205.0	010.5000	0143.4	037.9	020.8	100.0000	0436.2	123.3	53.8
206.0	010.5000	0142.5	037.8	020.5	100.0000	0436.1	123.4	53.7
207.0	010.5000	0141.5	037.6	020.2	100.0000	0436.1	123.6	53.7
208.0	010.5000	0140.7	037.5	019.9	100.0000	0436.1	123.8	53.6
209.0	010.5000	0140.3	037.5	019.6	100.0000	0436.2	124.0	53.6
210.0	010.5000	0140.1	037.5	019.3	100.0000	0436.2	124.1	53.6
211.0	010.5000	0139.5	037.4	019.0	100.0000	0436.2	124.3	53.5
212.0	010.5000	0138.6	037.3	018.7	100.0000	0436.3	124.5	53.5
213.0	010.5000	0137.8	037.2	018.4	100.0000	0436.4	124.8	53.4
214.0	010.5000	0137.2	037.1	018.2	100.0000	0436.5	125.0	53.3
215.0	010.5000	0136.6	037.0	017.9	100.0000	0436.6	125.3	53.3
216.0	010.5000	0136.5	037.0	017.6	100.0000	0436.7	125.5	53.2
217.0	010.5000	0136.6	037.0	017.3	100.0000	0436.9	125.7	53.2
218.0	010.5000	0136.7	037.1	017.1	100.0000	0437.1	125.9	53.1
219.0	010.5000	0136.2	037.0	016.8	100.0000	0437.4	126.2	53.1
220.0	010.5000	0135.3	036.9	016.6	100.0000	0437.6	126.5	53.0