

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

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

KTND Protected to VAC299 (Hamilton, TX) Interfering Contours Study

03 Sec. Terrain Data

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

ALLO RM10004
Channel = 299A
Max ERP = 6 kW
RCAMSL = 459.35 M
N. Lat = 31 46 54
W. Lng = 98 12 08

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	010.5000	0159.8	039.8	149.0	006.0000	0090.3	103.4	35.5
010.0	010.5000	0153.6	039.1	146.3	006.0000	0093.3	108.2	34.6
020.0	010.5000	0155.5	039.3	143.9	006.0000	0096.1	113.3	33.7
030.0	010.5000	0163.1	040.2	141.9	006.0000	0098.3	119.0	32.8
040.0	010.5000	0166.6	040.6	140.8	006.0000	0099.1	125.6	31.7
050.0	010.5000	0172.4	041.2	140.2	006.0000	0099.3	132.7	30.4
060.0	010.5000	0180.6	041.9	140.1	006.0000	0099.3	140.0	28.9
070.0	010.5000	0191.3	042.8	140.5	006.0000	0099.1	147.3	27.6
080.0	010.5000	0196.9	043.2	141.5	006.0000	0098.6	154.4	26.4
090.0	010.5000	0188.1	042.5	143.1	006.0000	0097.0	160.3	25.3
100.0	010.5000	0176.9	041.6	145.1	006.0000	0094.6	165.3	24.3
110.0	010.5000	0175.3	041.4	147.0	006.0000	0092.5	169.9	23.4
120.0	010.5000	0166.4	040.5	149.1	006.0000	0090.1	173.1	22.8
130.0	010.5000	0162.5	040.1	151.3	006.0000	0089.5	175.7	22.3
140.0	010.5000	0164.4	040.3	153.4	006.0000	0090.6	178.0	21.9
150.0	010.5000	0168.4	040.7	155.6	006.0000	0090.1	179.6	21.6
160.0	010.5000	0167.0	040.6	157.9	006.0000	0091.8	179.7	21.6
170.0	010.5000	0160.0	039.8	160.1	006.0000	0091.3	178.2	21.9
180.0	010.5000	0156.9	039.5	162.3	006.0000	0088.6	176.2	22.1
190.0	010.5000	0153.2	039.0	164.3	006.0000	0087.6	173.3	22.6
200.0	010.5000	0145.9	038.2	166.2	006.0000	0086.3	169.2	23.3
210.0	010.5000	0140.1	037.5	167.8	006.0000	0084.0	164.6	24.1
220.0	010.5000	0135.3	036.9	169.2	006.0000	0082.6	159.5	25.0
230.0	010.5000	0130.0	036.3	170.4	006.0000	0082.6	153.9	25.9
240.0	010.5000	0123.8	035.5	171.2	006.0000	0082.5	148.0	26.9
250.0	010.5000	0119.9	035.1	171.7	006.0000	0082.3	142.0	28.0
260.0	010.5000	0118.5	034.9	171.9	006.0000	0082.1	135.9	29.2
270.0	010.5000	0141.3	037.6	173.0	006.0000	0081.1	129.4	30.4
280.0	010.5000	0126.3	035.8	171.6	006.0000	0082.4	123.6	31.5
290.0	010.5000	0125.2	035.7	170.3	006.0000	0082.6	118.0	32.5
300.0	010.5000	0140.1	037.5	169.2	006.0000	0082.6	111.7	33.6
310.0	010.5000	0130.0	036.3	166.4	006.0000	0086.0	108.2	34.3
320.0	010.5000	0142.2	037.7	163.7	006.0000	0087.6	103.7	35.3
330.0	010.5000	0144.7	038.0	160.3	006.0000	0091.1	101.5	35.9
340.0	010.5000	0148.7	038.5	156.5	006.0000	0090.6	100.6	36.1
350.0	010.5000	0160.6	039.9	152.5	006.0000	0090.1	100.5	36.1