

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

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

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

03 Sec. Terrain Data

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

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

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	0093.3	027.4	341.4	010.5000	0150.0	164.7	28.5
010.0	006.0000	0086.1	026.4	342.7	010.5000	0151.6	161.9	29.1
020.0	006.0000	0083.6	026.0	344.0	010.5000	0152.2	159.2	29.6
030.0	006.0000	0089.6	026.9	345.5	010.5000	0153.3	156.9	30.0
040.0	006.0000	0101.0	028.4	347.0	010.5000	0154.9	154.3	30.4
050.0	006.0000	0108.0	029.3	348.3	010.5000	0156.9	150.5	31.1
060.0	006.0000	0120.7	030.8	349.6	010.5000	0159.8	146.3	31.9
070.0	006.0000	0129.5	031.7	350.5	010.5000	0161.8	141.3	32.8
080.0	006.0000	0143.0	033.3	351.4	010.5000	0163.4	135.8	33.9
090.0	006.0000	0152.7	034.4	351.7	010.5000	0163.9	129.9	35.1
100.0	006.0000	0147.5	033.8	350.8	010.5000	0162.4	124.2	36.2
110.0	006.0000	0128.8	031.7	348.8	010.5000	0158.0	120.0	36.9
120.0	006.0000	0122.7	031.0	346.9	010.5000	0154.7	116.1	37.5
130.0	006.0000	0106.8	029.2	344.4	010.5000	0152.4	114.0	37.8
140.0	006.0000	0099.4	028.2	341.9	010.5000	0150.8	112.5	38.1
150.0	006.0000	0089.8	026.9	339.4	010.5000	0148.4	112.5	38.0
160.0	006.0000	0091.4	027.1	337.0	010.5000	0147.8	112.1	38.1
170.0	006.0000	0082.6	025.9	334.8	010.5000	0147.0	114.0	37.7
180.0	006.0000	0071.3	024.2	333.1	010.5000	0145.5	117.2	37.0
190.0	006.0000	0065.9	023.4	331.7	010.5000	0144.5	120.1	36.4
200.0	006.0000	0062.1	022.8	330.5	010.5000	0144.5	123.3	35.8
210.0	006.0000	0060.1	022.5	329.6	010.5000	0144.8	126.7	35.2
220.0	006.0000	0065.5	023.3	328.6	010.5000	0145.0	130.1	34.6
230.0	006.0000	0063.6	023.0	328.3	010.5000	0145.0	134.0	33.8
240.0	006.0000	0068.1	023.7	328.0	010.5000	0145.1	138.1	33.0
250.0	006.0000	0070.9	024.1	328.0	010.5000	0145.1	142.3	32.2
260.0	006.0000	0077.8	025.1	328.2	010.5000	0145.0	146.7	31.4
270.0	006.0000	0084.0	026.1	328.6	010.5000	0145.0	151.0	30.7
280.0	006.0000	0078.1	025.2	329.9	010.5000	0144.8	154.1	30.2
290.0	006.0000	0098.3	028.1	330.4	010.5000	0144.5	159.4	29.3
300.0	006.0000	0122.5	031.0	331.2	010.5000	0144.4	164.8	28.4
310.0	006.0000	0137.3	032.6	332.7	010.5000	0145.0	168.7	27.7
320.0	006.0000	0122.8	031.0	334.6	010.5000	0146.8	168.9	27.7
330.0	006.0000	0103.9	028.8	336.5	010.5000	0148.0	167.7	27.9
340.0	006.0000	0118.3	030.5	338.2	010.5000	0148.0	169.6	27.6
350.0	006.0000	0109.3	029.5	339.9	010.5000	0148.6	168.0	27.9