

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

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

KTND Terrain-Contour Study

Reference Coordinates:

North Latitude: 30-37-22

West Longitude: 97-38-33

Azimuth °T.	ERP = 10.5 kW Ave. Elev. 3 to 16 km	FM - 2-6 Tables Effective Antenna Height	ERP (dBk)	F(50-50) Distance to 70 dBu Contour	F(50-50) Distance to 60 dBu Contour
	Meters AMSL	Meters AAT		km	km
0	224.8	158.9	10.212	23.5	39.7
5	228.3	155.4	10.212	23.2	39.3
10	230.9	152.8	10.212	23.0	39.0
15	230.0	153.7	10.212	23.1	39.1
20	228.8	154.9	10.212	23.2	39.2
25	224.2	159.5	10.212	23.5	39.8
30	222.0	161.7	10.212	23.6	40.0
35	218.3	165.4	10.212	23.9	40.4
40	217.5	166.2	10.212	23.9	40.5
45	213.9	169.8	10.212	24.2	40.9
50	211.5	172.2	10.212	24.3	41.1
55	207.9	175.8	10.212	24.5	41.5
60	203.6	180.1	10.212	24.8	41.9
65	198.9	184.8	10.212	25.1	42.3
70	193.5	190.2	10.212	25.4	42.7
75	190.0	193.7	10.212	25.6	43.0
80	187.4	196.3	10.212	25.7	43.2
85	185.9	197.8	10.212	25.8	43.3
90	192.8	190.9	10.212	25.4	42.8
95	202.6	181.1	10.212	24.9	42.0
100	205.9	177.8	10.212	24.7	41.7
105	209.4	174.3	10.212	24.5	41.3
110	208.5	175.2	10.212	24.5	41.4
115	214.3	169.4	10.212	24.1	40.9
120	217.0	166.7	10.212	24.0	40.6
125	219.5	164.2	10.212	23.8	40.3
130	221.3	162.4	10.212	23.7	40.1
135	221.2	162.5	10.212	23.7	40.1
140	219.8	163.9	10.212	23.8	40.3
145	215.7	168.0	10.212	24.1	40.7
150	215.9	167.8	10.212	24.0	40.7
155	216.3	167.4	10.212	24.0	40.6

Continued on the next page

Exhibit E, Figure 2

ERP = 10.5 kW		FM - 2-6 Tables		F(50-50)	F(50-50)
Azimuth °T.	Ave. Elev.	Effective Antenna Height	ERP (dBk)	Distance to	Distance to
	3 to 16 km Meters AMSL			70 dBu Contour km	60 dBu Contour km
160	217.0	166.7	10.212	24.0	40.6
165	223.0	160.7	10.212	23.6	39.9
170	223.8	159.9	10.212	23.5	39.8
175	224.9	158.8	10.212	23.5	39.7
180	227.1	156.6	10.212	23.3	39.4
185	228.1	155.6	10.212	23.2	39.3
190	230.8	152.9	10.212	23.0	39.0
195	233.9	149.8	10.212	22.8	38.6
200	238.4	145.3	10.212	22.5	38.1
205	241.1	142.6	10.212	22.3	37.8
210	243.6	140.1	10.212	22.1	37.5
215	247.3	136.4	10.212	21.9	37.0
220	248.7	135.0	10.212	21.8	36.9
225	253.3	130.4	10.212	21.4	36.3
230	252.8	130.9	10.212	21.5	36.4
235	255.3	128.4	10.212	21.3	36.1
240	259.7	124.0	10.212	21.0	35.5
245	261.2	122.5	10.212	20.8	35.4
250	264.6	119.1	10.212	20.6	35.0
255	268.9	114.8	10.212	20.2	34.4
260	263.5	120.2	10.212	20.7	35.1
265	246.5	137.2	10.212	21.9	37.1
270	244.9	138.8	10.212	22.0	37.3
275	261.2	122.5	10.212	20.8	35.4
280	256.8	126.9	10.212	21.2	35.9
285	259.3	124.4	10.212	21.0	35.6
290	255.9	127.8	10.212	21.2	36.0
295	240.2	143.5	10.212	22.4	37.9
300	241.7	142.0	10.212	22.3	37.7
305	244.5	139.2	10.212	22.1	37.4
310	255.4	128.3	10.212	21.3	36.0
315	252.8	130.9	10.212	21.5	36.4
320	240.6	143.1	10.212	22.4	37.8
325	238.7	145.0	10.212	22.5	38.1
330	239.9	143.8	10.212	22.4	37.9
335	236.9	146.8	10.212	22.6	38.3
340	235.7	148.0	10.212	22.7	38.4
345	231.6	152.1	10.212	23.0	38.9
350	223.8	159.9	10.212	23.5	39.8
355	220.2	163.5	10.212	23.8	40.2