

Engineering Statement

In Support of an Application for a Construction Permit KVST, Channel 279C, La Porte, Texas

KVST Terrain-Contour Study

Reference Coordinates:

North Latitude: 29-56-09

West Longitude: 94-30-38

Azimuth °T.	ERP = 100 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	18.0	589.3	20.000	66.9	91.1
5	17.5	589.8	20.000	66.9	91.1
10	17.1	590.2	20.000	67.0	91.1
15	16.7	590.6	20.000	67.0	91.1
20	16.7	590.6	20.000	67.0	91.1
25	16.4	590.9	20.000	67.0	91.2
30	16.3	591.0	20.000	67.0	91.2
35	16.4	590.9	20.000	67.0	91.2
40	16.0	591.3	20.000	67.0	91.2
45	15.6	591.7	20.000	67.0	91.2
50	14.9	592.4	20.000	67.0	91.2
55	13.5	593.8	20.000	67.1	91.3
60	13.3	594.0	20.000	67.1	91.3
65	13.1	594.2	20.000	67.1	91.3
70	12.9	594.4	20.000	67.1	91.3
75	12.7	594.6	20.000	67.1	91.3
80	12.6	594.7	20.000	67.1	91.3
85	12.4	594.9	20.000	67.1	91.3
90	11.7	595.6	20.000	67.2	91.3
95	11.4	595.9	20.000	67.2	91.4
100	11.2	596.1	20.000	67.2	91.4
105	11.2	596.1	20.000	67.2	91.4
110	11.3	596.0	20.000	67.2	91.4
115	10.9	596.4	20.000	67.2	91.4
120	10.7	596.6	20.000	67.2	91.4
125	10.7	596.6	20.000	67.2	91.4
130	10.7	596.6	20.000	67.2	91.4
135	10.7	596.6	20.000	67.2	91.4
140	10.7	596.6	20.000	67.2	91.4
145	10.7	596.6	20.000	67.2	91.4
150	10.7	596.6	20.000	67.2	91.4
155	10.7	596.6	20.000	67.2	91.4

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ERP = 100 kW		FM - 2-6 Tables		F(50-50)	F(50-50)
Azimuth °T.	Ave. Elev.	Effective Antenna Height	ERP (dBk)	Distance to 70 dBu Contour km	Distance to 60 dBu Contour km
	3 to 16 km Meters AMSL				
160	10.7	596.6	20.000	67.2	91.4
165	10.7	596.6	20.000	67.2	91.4
170	10.7	596.6	20.000	67.2	91.4
175	10.7	596.6	20.000	67.2	91.4
180	10.7	596.6	20.000	67.2	91.4
185	10.7	596.6	20.000	67.2	91.4
190	10.7	596.6	20.000	67.2	91.4
195	10.7	596.6	20.000	67.2	91.4
200	10.7	596.6	20.000	67.2	91.4
205	10.7	596.6	20.000	67.2	91.4
210	10.8	596.5	20.000	67.2	91.4
215	11.1	596.2	20.000	67.2	91.4
220	11.3	596.0	20.000	67.2	91.4
225	11.2	596.1	20.000	67.2	91.4
230	11.2	596.1	20.000	67.2	91.4
235	11.2	596.1	20.000	67.2	91.4
240	11.1	596.2	20.000	67.2	91.4
245	11.2	596.1	20.000	67.2	91.4
250	11.6	595.7	20.000	67.2	91.3
255	12.2	595.1	20.000	67.2	91.3
260	12.4	594.9	20.000	67.1	91.3
265	12.6	594.7	20.000	67.1	91.3
270	13.0	594.3	20.000	67.1	91.3
275	14.2	593.1	20.000	67.1	91.2
280	15.3	592.0	20.000	67.0	91.2
285	16.4	590.9	20.000	67.0	91.2
290	16.7	590.6	20.000	67.0	91.1
295	16.7	590.6	20.000	67.0	91.1
300	16.7	590.6	20.000	67.0	91.1
305	17.2	590.1	20.000	66.9	91.1
310	17.2	590.1	20.000	66.9	91.1
315	17.6	589.7	20.000	66.9	91.1
320	17.6	589.7	20.000	66.9	91.1
325	17.2	590.1	20.000	66.9	91.1
330	17.1	590.2	20.000	66.9	91.1
335	17.1	590.2	20.000	67.0	91.1
340	18.5	588.8	20.000	66.9	91.1
345	19.1	588.2	20.000	66.9	91.1
350	19.3	588.0	20.000	66.9	91.0
355	19.3	588.0	20.000	66.9	91.0