

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

KCDD, Hamlin, Texas

Terrain-Contour Study

Reference Coordinates:

North Latitude: 32-43-31

West Longitude: 100-05-19

Azimuth °T.	ERP = 100.0 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	540.7	463.4	20.000	59.9	59.9
5	542.4	461.7	20.000	59.8	59.8
10	543.5	460.6	20.000	59.7	59.7
15	543.3	460.8	20.000	59.7	59.7
20	542.3	461.8	20.000	59.8	59.8
25	543.2	460.9	20.000	59.7	59.7
30	541.5	462.6	20.000	59.8	59.8
35	540.9	463.2	20.000	59.9	59.9
40	540.3	463.8	20.000	59.9	59.9
45	539.2	464.9	20.000	60.0	60.0
50	538.0	466.1	20.000	60.0	60.0
55	538.1	466.0	20.000	60.0	60.0
60	537.7	466.4	20.000	60.1	60.1
65	538.5	465.6	20.000	60.0	60.0
70	540.6	463.5	20.000	59.9	59.9
75	544.5	459.6	20.000	59.6	59.6
80	550.9	453.2	20.000	59.3	59.3
85	555.9	448.2	20.000	59.0	59.0
90	557.8	446.3	20.000	58.9	58.9
95	553.6	450.5	20.000	59.1	59.1
100	547.2	456.9	20.000	59.5	59.5
105	542.7	461.4	20.000	59.8	59.8
110	538.0	466.1	20.000	60.0	60.0
115	534.6	469.5	20.000	60.2	60.2
120	530.7	473.4	20.000	60.5	60.5
125	530.8	473.3	20.000	60.5	60.5
130	532.8	471.3	20.000	60.4	60.4
135	537.8	466.3	20.000	60.0	60.0
140	540.3	463.8	20.000	59.9	59.9
145	540.8	463.3	20.000	59.9	59.9
150	541.1	463.0	20.000	59.8	59.8
155	539.6	464.5	20.000	59.9	59.9

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Exhibit E, Figure 2

ERP = 100.0 kW		FM - 2-6 Tables		F(50-50)	F(50-50)
Azimuth °T.	Ave. Elev. 3 to 16 km	Effective Antenna Height Meters AAT	ERP (dBk)	Distance to 70 dBu Contour	Distance to 60 dBu Contour
	Meters AMSL			km	km
160	539.1	465.0	20.000	60.0	60.0
165	540.5	463.6	20.000	59.9	59.9
170	541.1	463.0	20.000	59.8	59.8
175	541.9	462.2	20.000	59.8	59.8
180	544.3	459.8	20.000	59.7	59.7
185	548.1	456.0	20.000	59.4	59.4
190	552.7	451.4	20.000	59.2	59.2
195	553.0	451.1	20.000	59.1	59.1
200	546.0	458.1	20.000	59.6	59.6
205	545.9	458.2	20.000	59.6	59.6
210	552.2	451.9	20.000	59.2	59.2
215	556.2	447.9	20.000	59.0	59.0
220	553.4	450.7	20.000	59.1	59.1
225	555.9	448.2	20.000	59.0	59.0
230	557.8	446.3	20.000	58.9	58.9
235	561.2	442.9	20.000	58.7	58.7
240	562.7	441.4	20.000	58.6	58.6
245	564.2	439.9	20.000	58.5	58.5
250	565.1	439.0	20.000	58.4	58.4
255	567.5	436.6	20.000	58.3	58.3
260	570.1	434.0	20.000	58.2	58.2
265	572.3	431.8	20.000	58.0	58.0
270	576.2	427.9	20.000	57.8	57.8
275	580.7	423.4	20.000	57.6	57.6
280	585.4	418.7	20.000	57.3	57.3
285	587.2	416.9	20.000	57.2	57.2
290	581.2	422.9	20.000	57.5	57.5
295	574.6	429.5	20.000	57.9	57.9
300	568.7	435.4	20.000	58.2	58.2
305	564.9	439.2	20.000	58.5	58.5
310	560.6	443.5	20.000	58.7	58.7
315	556.9	447.2	20.000	58.9	58.9
320	552.2	451.9	20.000	59.2	59.2
325	548.6	455.5	20.000	59.4	59.4
330	545.4	458.7	20.000	59.6	59.6
335	542.8	461.3	20.000	59.7	59.7
340	540.5	463.6	20.000	59.9	59.9
345	538.7	465.4	20.000	60.0	60.0
350	538.1	466.0	20.000	60.0	60.0
355	538.0	466.1	20.000	60.0	60.0