

**Engineering Statement
In Support of an
Application for a Construction Permit
KFLI, Des Arc, Arkansa
Terrain & Contour Study**

Reference Coordinates:

North Latitude: 35 00 23

West Longitude: 91 40 20

ERP = 25.0 kW

FM - 2-6 Tables

Azimuth °T.	Ave. Elev. 3 to 16 km Meters AMSL	Effective Antenna Height Meters AAT	ERP (dBk)	F(50-50) Distance to 60 dBu Contour km	F(50-50) Distance to 60 dBu Contour km
0	59.0	102.3	13.979	23.5	39.5
5	58.7	102.6	13.979	23.5	39.5
10	59.0	102.3	13.979	23.5	39.5
15	59.2	102.1	13.979	23.5	39.4
20	59.3	102.0	13.979	23.5	39.4
25	59.2	102.1	13.979	23.5	39.4
30	59.3	102.0	13.979	23.5	39.4
35	59.4	101.9	13.979	23.5	39.4
40	59.5	101.8	13.979	23.4	39.4
45	59.3	102.0	13.979	23.5	39.4
50	58.7	102.6	13.979	23.5	39.5
55	57.8	103.5	13.979	23.6	39.6
60	56.2	105.1	13.979	23.8	39.9
65	55.8	105.5	13.979	23.8	40.0
70	55.1	106.2	13.979	23.9	40.1
75	54.9	106.4	13.979	23.9	40.1
80	54.7	106.6	13.979	24.0	40.1
85	53.3	108.0	13.979	24.1	40.3
90	54.0	107.3	13.979	24.0	40.2
95	57.6	103.7	13.979	23.6	39.7
100	60.0	101.3	13.979	23.4	39.3
105	60.7	100.6	13.979	23.3	39.2
110	61.0	100.3	13.979	23.3	39.1
115	60.6	100.7	13.979	23.3	39.2
120	60.5	100.8	13.979	23.3	39.2
125	60.0	101.3	13.979	23.4	39.3
130	60.6	100.7	13.979	23.3	39.2
135	61.0	100.3	13.979	23.3	39.1
140	60.9	100.4	13.979	23.3	39.1
145	60.3	101.0	13.979	23.3	39.2
150	58.3	103.0	13.979	23.6	39.6
155	57.9	103.4	13.979	23.6	39.6

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ERP = 25.0 kW

FM - 2-6 Tables

Azimuth °T.	Ave. Elev. 3 to 16 km Meters AMSL	Effective Antenna Height Meters AAT	ERP (dBk)	F(50-50) Distance to 60 dBu Contour km	F(50-50) Distance to 60 dBu Contour km
160	59.8	101.5	13.979	23.4	39.3
165	60.0	101.3	13.979	23.4	39.3
170	60.8	100.5	13.979	23.3	39.2
175	61.6	99.7	13.979	23.2	39.0
180	61.2	100.1	13.979	23.2	39.1
185	61.4	99.9	13.979	23.2	39.1
190	61.2	100.1	13.979	23.2	39.1
195	61.9	99.4	13.979	23.2	39.0
200	62.3	99.0	13.979	23.1	38.9
205	62.4	98.9	13.979	23.1	38.9
210	64.4	96.9	13.979	22.9	38.6
215	66.4	94.9	13.979	22.7	38.2
220	68.5	92.8	13.979	22.4	37.8
225	69.6	91.7	13.979	22.3	37.6
230	70.9	90.4	13.979	22.1	37.4
235	71.5	89.8	13.979	22.0	37.3
240	71.8	89.5	13.979	22.0	37.2
245	71.8	89.5	13.979	22.0	37.2
250	71.7	89.6	13.979	22.0	37.3
255	71.6	89.7	13.979	22.0	37.3
260	70.5	90.8	13.979	22.2	37.5
265	68.4	92.9	13.979	22.4	37.9
270	66.6	94.7	13.979	22.6	38.2
275	64.3	97.0	13.979	22.9	38.6
280	63.2	98.1	13.979	23.0	38.8
285	61.4	99.9	13.979	23.2	39.1
290	60.4	100.9	13.979	23.3	39.2
295	61.3	100.0	13.979	23.2	39.1
300	59.4	101.9	13.979	23.4	39.4
305	59.2	102.1	13.979	23.5	39.4
310	58.8	102.5	13.979	23.5	39.5
315	59.3	102.0	13.979	23.5	39.4
320	59.8	101.5	13.979	23.4	39.3
325	60.0	101.3	13.979	23.4	39.3
330	60.0	101.3	13.979	23.4	39.3
335	58.5	102.8	13.979	23.5	39.5
340	57.3	104.0	13.979	23.7	39.7
345	57.0	104.3	13.979	23.7	39.8
350	58.4	102.9	13.979	23.6	39.6
355	59.1	102.2	13.979	23.5	39.4