

Engineering Statement

In Support of an

Application for a Construction Permit

KKDA, Dallas, Texas

KKDA Service Contour/Terrain Study

Reference Coordinates:
North Latitude: 32-35-19
West Longitude: 96-58-05

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 60 dBu Contour	F(50-50) Distance to 70 dBu Contour
	Meters AMSL	Meters AAT		km	km
*0.0	159.5	538.6	20.000	89.0	64.7
5.0	169.0	529.1	20.000	88.5	64.1
10.0	183.6	514.5	20.000	87.6	63.1
15.0	199.0	499.1	20.000	86.7	62.1
20.0	215.7	482.4	20.000	85.6	61.0
25.0	215.3	482.8	20.000	85.7	61.1
30.0	212.5	485.6	20.000	85.8	61.3
35.0	209.9	488.2	20.000	86.0	61.4
40.0	204.6	493.5	20.000	86.3	61.8
*45.0	203.2	494.9	20.000	86.4	61.9
50.0	197.5	500.6	20.000	86.8	62.2
55.0	196.5	501.6	20.000	86.8	62.3
60.0	197.5	500.6	20.000	86.8	62.2
65.0	198.7	499.4	20.000	86.7	62.2
70.0	196.9	501.2	20.000	86.8	62.3
75.0	194.1	504.0	20.000	87.0	62.5
80.0	191.1	507.0	20.000	87.1	62.6
85.0	196.0	502.1	20.000	86.8	62.3
*90.0	202.0	496.1	20.000	86.5	61.9
95.0	208.7	489.4	20.000	86.1	61.5
100.0	213.9	484.2	20.000	85.8	61.2
105.0	212.8	485.3	20.000	85.8	61.2
110.0	211.6	486.5	20.000	85.9	61.3
115.0	206.3	491.8	20.000	86.2	61.7
120.0	203.8	494.3	20.000	86.4	61.8
125.0	202.3	495.8	20.000	86.5	61.9
130.0	202.1	496.0	20.000	86.5	61.9
*135.0	200.9	497.2	20.000	86.6	62.0
140.0	209.1	489.0	20.000	86.1	61.5
145.0	217.1	481.0	20.000	85.6	61.0
150.0	222.5	475.6	20.000	85.2	60.6
155.0	222.7	475.4	20.000	85.2	60.6

Continued on the next page

ERP = 100.0 kW		FM - 2-6 Tables		F(50-50)	F(50-50)
Ave. Elev.		Effective		Distance to	Distance to
Azimuth	3 to 16 km	Antenna Height	ERP	60 dBu Contour	70 dBu Contour
°T.	Meters AMSL	Meters AAT	(dBk)	km	km
<hr/>					
160.0	222.5	475.6	20.000	85.2	60.6
165.0	218.7	479.4	20.000	85.4	60.9
170.0	223.4	474.7	20.000	85.1	60.6
175.0	226.5	471.6	20.000	84.9	60.4
*180.0	229.7	468.4	20.000	84.7	60.2
185.0	234.2	463.9	20.000	84.4	59.9
190.0	235.7	462.4	20.000	84.3	59.8
195.0	230.7	467.4	20.000	84.7	60.1
200.0	215.2	482.9	20.000	85.7	61.1
205.0	205.0	493.1	20.000	86.3	61.7
210.0	198.0	500.1	20.000	86.7	62.2
215.0	193.4	504.7	20.000	87.0	62.5
220.0	189.2	508.9	20.000	87.3	62.8
*225.0	184.6	513.5	20.000	87.5	63.1
230.0	177.8	520.3	20.000	87.9	63.5
235.0	177.7	520.4	20.000	87.9	63.5
240.0	178.4	519.7	20.000	87.9	63.5
245.0	178.9	519.2	20.000	87.9	63.5
250.0	176.0	522.1	20.000	88.0	63.6
255.0	174.8	523.3	20.000	88.1	63.7
260.0	177.8	520.3	20.000	87.9	63.5
265.0	172.7	525.4	20.000	88.2	63.9
*270.0	171.7	526.4	20.000	88.3	63.9
275.0	175.3	522.8	20.000	88.1	63.7
280.0	176.4	521.7	20.000	88.0	63.6
285.0	172.5	525.6	20.000	88.2	63.9
290.0	170.8	527.3	20.000	88.4	64.0
295.0	169.2	528.9	20.000	88.4	64.1
300.0	167.7	530.4	20.000	88.5	64.2
305.0	167.3	530.8	20.000	88.6	64.2
310.0	165.9	532.2	20.000	88.6	64.3
*315.0	166.4	531.7	20.000	88.6	64.3
320.0	165.4	532.7	20.000	88.7	64.3
325.0	164.7	533.4	20.000	88.7	64.4
330.0	162.5	535.6	20.000	88.8	64.5
335.0	160.4	537.7	20.000	89.0	64.6
340.0	156.5	541.6	20.000	89.2	64.9
345.0	154.3	543.8	20.000	89.3	65.0
350.0	154.3	543.8	20.000	89.3	65.0
355.0	156.1	542.0	20.000	89.2	64.9

Avg. of 8 = 189.7 M 508.4 M
 Antenna Radiation Center AMSL = 698.1 M

*** Only eight cardinal radials used in terrain averaging**