

Engineering Statement
In Support of an
Application for a Construction Permit
KKDA, Dallas, Texas

KWOW Protected/KKDA Interfering FM Overlap Study

KWOW
Channel = 281C2
Max ERP = 16 kW
RCAMSL = 311 M
N. Lat = 314405
W. Lng = 971917

KKDA
Channel = 283C
Max ERP = 100 kW
RCAMSL = 698.1 M
N. Lat = 323519
W. Lng = 965805

Protected
60 dBu

Interfering
100 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
000.0	016.0000	0162.3	043.7	213.1	100.0000	0503.8	060.9	74.4
010.0	016.0000	0166.4	044.1	206.5	100.0000	0495.5	057.3	75.5
020.0	016.0000	0164.9	043.9	198.8	100.0000	0479.0	056.4	75.4
030.0	016.0000	0152.9	042.5	191.7	100.0000	0462.8	059.1	74.0
040.0	016.0000	0154.5	042.7	185.3	100.0000	0463.7	062.2	72.9
050.0	016.0000	0157.2	043.0	180.3	100.0000	0468.2	067.0	71.4
060.0	016.0000	0159.6	043.3	176.7	100.0000	0470.8	073.1	69.4
070.0	016.0000	0164.7	043.9	174.3	100.0000	0472.1	080.1	67.2
080.0	016.0000	0161.8	043.6	173.7	100.0000	0472.7	087.6	64.8
090.0	016.0000	0167.0	044.2	173.5	100.0000	0472.9	095.3	62.4
100.0	016.0000	0172.7	044.8	174.0	100.0000	0472.4	103.0	60.2
110.0	016.0000	0177.6	045.3	175.2	100.0000	0471.5	110.5	58.1
120.0	016.0000	0182.5	045.7	177.0	100.0000	0470.6	117.7	56.2
130.0	016.0000	0178.5	045.3	179.4	100.0000	0469.0	123.8	54.6
140.0	016.0000	0161.8	043.6	182.4	100.0000	0466.6	128.2	53.4
150.0	016.0000	0151.6	042.4	185.3	100.0000	0463.7	131.9	52.4
160.0	016.0000	0148.0	041.9	188.1	100.0000	0462.8	135.4	51.4
170.0	016.0000	0143.6	041.4	191.0	100.0000	0462.5	137.9	50.8
180.0	016.0000	0137.0	040.5	193.9	100.0000	0465.4	139.3	50.5
190.0	016.0000	0136.2	040.4	196.8	100.0000	0471.8	140.4	50.4
200.0	016.0000	0133.3	040.1	199.6	100.0000	0481.8	140.4	50.7
210.0	016.0000	0124.2	038.9	202.4	100.0000	0489.2	138.8	51.3
220.0	016.0000	0115.1	037.8	205.1	100.0000	0493.3	136.4	52.0
230.0	016.0000	0114.7	037.7	207.7	100.0000	0497.3	134.3	52.7
240.0	016.0000	0115.9	037.9	210.3	100.0000	0500.5	131.5	53.5
250.0	016.0000	0106.6	036.6	212.3	100.0000	0503.1	126.8	54.8
260.0	016.0000	0107.4	036.7	214.6	100.0000	0504.6	122.6	55.9
270.0	016.0000	0103.7	036.1	216.3	100.0000	0505.5	117.4	57.2
280.0	016.0000	0100.1	035.6	217.7	100.0000	0507.1	111.8	58.7
290.0	016.0000	0097.5	035.1	218.8	100.0000	0508.1	106.0	60.3
300.0	016.0000	0095.5	034.8	219.4	100.0000	0508.5	100.0	62.0
310.0	016.0000	0102.2	035.9	220.4	100.0000	0509.2	093.9	63.7
320.0	016.0000	0116.1	037.9	221.3	100.0000	0510.2	087.4	65.7
330.0	016.0000	0128.0	039.4	221.2	100.0000	0510.0	080.5	68.0
340.0	016.0000	0141.4	041.1	220.1	100.0000	0509.0	073.4	70.3
350.0	016.0000	0154.3	042.7	217.7	100.0000	0507.0	066.5	72.6