

**Engineering Exhibit  
In Support of an  
Application for a Construction Permit  
KLSZ-FM, Van Buren, Arkansas**

**KLSZ Protected/KHOZ Interfering FM Overlap Study**

KLSZ BLH19911223KI  
Channel = 274C2  
Max ERP = 17 kW  
RCAMSL = 335.3 M  
N. Lat = 352651  
W. Lng = 942154

KHOZFM BLH19911223KI  
Channel = 275C1  
Max ERP = 100 kW  
RCAMSL = 650 M  
N. Lat = 36 26 11  
W. Lng = 93 14 43

Protected  
60 dBu

Interfering  
54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
000.0	017.0000	0099.7	036.0	234.0	100.0000	0314.4	124.9	49.5
010.0	017.0000	0105.2	036.9	232.3	100.0000	0315.4	119.6	50.7
020.0	017.0000	0104.5	036.7	229.7	100.0000	0309.2	116.0	51.3
030.0	017.0000	0113.4	038.0	227.0	100.0000	0306.1	112.2	52.1
040.0	017.0000	0144.6	042.0	223.7	100.0000	0313.9	107.1	53.8
050.0	017.0000	0146.2	042.2	219.8	100.0000	0303.1	107.3	53.4
060.0	017.0000	0159.4	043.8	215.7	100.0000	0291.5	108.0	52.9
070.0	017.0000	0175.4	045.6	211.8	100.0000	0284.4	110.6	52.0
080.0	017.0000	0194.2	047.2	208.3	100.0000	0277.2	115.2	50.7
090.0	017.0000	0195.4	047.3	206.2	100.0000	0276.7	122.2	49.1
100.0	017.0000	0198.1	047.5	204.8	100.0000	0280.1	129.9	47.6
110.0	017.0000	0202.7	047.9	204.1	100.0000	0282.2	138.0	45.9
120.0	017.0000	0206.0	048.1	204.1	100.0000	0282.3	146.4	44.2
130.0	017.0000	0211.8	048.6	204.5	100.0000	0281.0	154.8	42.7
140.0	017.0000	0213.4	048.7	205.6	100.0000	0278.0	162.8	41.2
150.0	017.0000	0213.4	048.7	207.0	100.0000	0276.0	170.3	39.9
160.0	017.0000	0205.5	048.1	208.9	100.0000	0278.3	176.6	38.8
170.0	017.0000	0197.8	047.5	210.9	100.0000	0282.9	182.0	37.9
180.0	017.0000	0193.6	047.1	213.1	100.0000	0286.7	186.7	37.1
190.0	017.0000	0183.8	046.3	215.4	100.0000	0291.0	190.0	36.5
200.0	017.0000	0183.3	046.3	217.7	100.0000	0295.1	192.8	36.1
210.0	017.0000	0195.1	047.2	219.9	100.0000	0303.8	195.7	35.7
220.0	017.0000	0209.7	048.4	222.3	100.0000	0312.8	197.7	35.5
230.0	017.0000	0212.1	048.6	224.8	100.0000	0312.0	197.6	35.5
240.0	017.0000	0208.0	048.3	227.2	100.0000	0305.7	195.9	35.7
250.0	017.0000	0202.6	047.8	229.5	100.0000	0308.6	193.0	36.3
260.0	017.0000	0192.9	047.1	231.7	100.0000	0314.8	188.8	37.2
270.0	017.0000	0161.5	044.1	233.3	100.0000	0315.2	181.9	38.5
280.0	017.0000	0135.4	040.8	234.3	100.0000	0314.0	174.5	39.8
290.0	017.0000	0128.1	039.9	235.6	100.0000	0312.5	168.5	40.8
300.0	017.0000	0139.0	041.3	237.2	100.0000	0311.6	163.1	41.8
310.0	017.0000	0181.7	046.2	239.9	100.0000	0308.4	158.0	42.6
320.0	017.0000	0160.2	043.9	239.8	100.0000	0308.6	149.8	44.1
330.0	017.0000	0138.3	041.2	238.9	100.0000	0310.1	142.2	45.7
340.0	017.0000	0113.3	038.0	237.2	100.0000	0311.6	135.8	47.1
350.0	017.0000	0109.9	037.5	236.1	100.0000	0312.1	129.7	48.4