

Channel-Six TV Protection Study

KEMV LI 06- 2E Dom Int 100.000 kW 424 M HAAT VHN
Mountain View AR 753.0 M COR AMSL
Lat= 35 48 47.0, Lng= 92 17 24.0
Arkansas Educational Televis BLET19800903KE
Fac ID# 2777, Cutoff Date=53897628
Dist.=133.54 km, Azi=270.6°, Rev Azi=89.7°

Direct line HAAT Grade B, 47 dBu= 110.1 km & Grade A= 59.85 km

Distance from reference to Grade B = 23.44 km

Cutoff Dist from Full Service or Class CA= 257

Maximum Co-located power= 1.9 kW

KEMV Signal Contour at Reference location = 39.8 dBu

CH. 202, U/D ratio = 3.8 dB, Maximum FM signal = 50.8 dBu , add 6 dB if within angle.

TV/FM D to U values

47.0	50.8	55.0	55.8	63.0	61.3	71.0	67.7	79.0	74.8	87.0	82.2
48.0	51.4	56.0	56.4	64.0	62.0	72.0	68.5	80.0	75.8	88.0	83.1
49.0	52.0	57.0	57.1	65.0	62.7	73.0	69.4	81.0	76.7	89.0	84.0
50.0	52.6	58.0	57.8	66.0	63.5	74.0	70.3	82.0	77.6	90.0	84.9
51.0	53.2	59.0	58.5	67.0	64.3	75.0	71.2	83.0	78.5	91.0	84.9
52.0	53.8	60.0	59.2	68.0	65.1	76.0	72.1	84.0	79.4	92.0	84.9
53.0	54.5	61.0	59.9	69.0	66.0	77.0	73.0	85.0	80.4	93.0	84.9
54.0	55.1	62.0	60.6	70.0	66.8	78.0	73.9	86.0	81.3	94.0	84.9