

Channel-Six TV Protection Study

KAAL LI 06- 2C Dom 100.000 kW 320 M HAAT V HN
Austin MN 696M COR AMSL
N. Lat= 43 37 42, W. Lng= 93 09 12
Kaal-tv, Llc BLCT2236
Fac ID# 18285
Dist.=125.3139 km, Azi=319.8°, Rev Azi=139.8°

Direct line HAAT Grade B, 47 dBu= 105.55 km & Grade A= 56.06 km

Distance from reference to Grade B = 19.76 km

Cutoff Dist from Full Service= 225

Maximum Co-located power= 8.3 kW

KAAL Signal Contour at Reference location = 40.4 dBu

CH. 205, U/D ratio = 12.0 dB, Maximum FM signal = 59.0 dBu , add 6 dB if within angle.

TV/FM D to U values

47.0	59.0		55.0	63.5		63.0	68.1		71.0	73.6		79.0	79.9		87.0	86.3
48.0	59.6		56.0	64.0		64.0	68.8		72.0	74.4		80.0	80.7		88.0	87.1
49.0	60.1		57.0	64.6		65.0	69.4		73.0	75.1		81.0	81.4		89.0	87.9
50.0	60.7		58.0	65.2		66.0	70.1		74.0	75.9		82.0	82.2		90.0	88.8
51.0	61.3		59.0	65.8		67.0	70.7		75.0	76.7		83.0	83.0		91.0	88.8
52.0	61.8		60.0	66.3		68.0	71.4		76.0	77.5		84.0	83.8		92.0	88.8
53.0	62.4		61.0	66.9		69.0	72.1		77.0	78.3		85.0	84.6		93.0	88.8
54.0	62.9		62.0	67.5		70.0	72.9		78.0	79.1		86.0	85.5		94.0	88.8