

# Channel-Six TV Protection Study

KOTV LI 06+ 2C Dom 100.000 kW 573 M HAAT V CN  
 Tulsa OK 769 M COR AMSL  
 Lat= 36 01 15, Lng= 95 40 32  
 Griffin Licensing, L.l.c. BLCT19841031KI  
 Fac ID# 35434, Cutoff Date=53897628  
 Dist.=140.5917 km, Azi=253.3°, Rev Azi=72.4°

Direct line HAAT Grade B, 47 dBu= 127.98 km & Grade A= 72.56 km

Distance from reference to Grade B = 12.61 km

Cutoff Dist from Full Service or Class CA= 265

Maximum Co-located power= 1.1 kW

KOTV Signal Contour at Reference location = 43.0 dBu

CH. 201, U/D ratio = 1.0 dB, Maximum FM signal = 48.0 dBu , add 6 dB if within angle.

## TV/FM D to U values

47.0	48.0	55.0	53.7	63.0	59.4	71.0	66.1	79.0	73.4	87.0	80.7
48.0	48.7	56.0	54.4	64.0	60.1	72.0	67.0	80.0	74.3	88.0	81.7
49.0	49.3	57.0	55.1	65.0	60.9	73.0	67.9	81.0	75.2	89.0	82.6
50.0	50.0	58.0	55.7	66.0	61.7	74.0	68.7	82.0	76.1	90.0	83.5
51.0	50.7	59.0	56.4	67.0	62.6	75.0	69.7	83.0	77.0	91.0	83.5
52.0	51.5	60.0	57.1	68.0	63.4	76.0	70.6	84.0	77.9	92.0	83.5
53.0	52.2	61.0	57.9	69.0	64.3	77.0	71.5	85.0	78.9	93.0	83.5
54.0	52.9	62.0	58.6	70.0	65.2	78.0	72.4	86.0	79.8	94.0	83.5