

# Channel-Six TV Protection Study

KTALTV LI 06Z 2C Dom 100.000 kW 482 M HAAT V HN  
Texarkana TX 552M COR AMSL  
N. Lat= 32 54 12, W. Lng= 94 00 23  
Nexstar Broadcasting, Inc. BLCT1135  
Fac ID# 35648  
Dist.=121.2845 km, Azi=145.1°, Rev Azi=325.1°

Direct line HAAT Grade B, 47 dBu= 118.25 km & Grade A= 65.39 km

Distance from reference to Grade B = 3.03 km

Cutoff Dist from Full Service= 180

Maximum Co-located power= 56.2 kW

KTALTV Signal Contour at Reference location = 46.0 dBu

CH. 215, U/D ratio = 27.0 dB, Maximum FM signal = 74.0 dBu , add 6 dB if within angle.

## TV/FM D to U values

47.0	74.0		55.0	70.3		63.0	71.2		71.0	76.0		79.0	82.7		87.0	89.5
48.0	73.3		56.0	70.3		64.0	71.6		72.0	76.8		80.0	83.5		88.0	90.3
49.0	72.6		57.0	70.2		65.0	72.0		73.0	77.6		81.0	84.4		89.0	91.2
50.0	71.9		58.0	70.2		66.0	72.6		74.0	78.5		82.0	85.2		90.0	92.0
51.0	71.4		59.0	70.2		67.0	73.2		75.0	79.3		83.0	86.1		91.0	92.0
52.0	71.0		60.0	70.4		68.0	73.8		76.0	80.2		84.0	86.9		92.0	92.0
53.0	70.5		61.0	70.6		69.0	74.5		77.0	81.0		85.0	87.8		93.0	92.0
54.0	70.4		62.0	70.8		70.0	75.3		78.0	81.8		86.0	88.6		94.0	92.0