

# Channel-Six TV Protection Study

WLNSTV LI 06- 2C Dom 100.000 kW 305 M HAAT V HN  
Lansing MI 577M COR AMSL  
N. Lat= 42 41 19, W. Lng= 84 22 35  
Young Broadcasting Of Lans BLCT20020103AAA  
Fac ID# 74420, Cutoff Date= 020429  
Dist.=143.0179 km, Azi=118.4°, Rev Azi=298.4°

Direct line HAAT Grade B, 47 dBu= 104.84 km & Grade A= 55.42 km

Distance from reference to Grade B = 38.18 km

Cutoff Dist from Full Service= 159

Maximum Co-located power= 100 kW

WLNSTV Signal Contour at Reference location = 35.4 dBu

CH. 219, U/D ratio = 36.0 dB, Maximum FM signal = 83.0 dBu , add 6 dB if within angle.

## TV/FM D to U values

47.0	83.0		55.0	81.6		63.0	82.0		71.0	85.6		79.0	92.3		87.0	99.2
48.0	82.9		56.0	81.5		64.0	82.2		72.0	86.4		80.0	93.2		88.0	100.1
49.0	82.8		57.0	81.5		65.0	82.4		73.0	87.2		81.0	94.0		89.0	101.0
50.0	82.8		58.0	81.5		66.0	82.8		74.0	88.0		82.0	94.9		90.0	101.8
51.0	82.4		59.0	81.5		67.0	83.3		75.0	88.8		83.0	95.7		91.0	101.8
52.0	82.1		60.0	81.6		68.0	83.7		76.0	89.7		84.0	96.6		92.0	101.8
53.0	81.8		61.0	81.7		69.0	84.3		77.0	90.5		85.0	97.4		93.0	101.8
54.0	81.7		62.0	81.8		70.0	85.0		78.0	91.4		86.0	98.3		94.0	101.8