

Channel-Six TV Protection Study

WSYX LI 06+ 1C Dom 100.000 kW 286 M HAAT VDCY
Columbus OH 523M COR AMSL
Lat= 39 56 16, Lng= 83 01 16
Wsyx Licensee, Inc. BLCT19931022KE
Fac ID# 56549, Cutoff Date= 4 056
Dist.=50.34135 km, Azi=89.0°, Rev Azi=269.4°

Direct line HAAT Grade B, 47 dBu= 97.07 km & Grade A= 49.21 km

Distance from reference to Grade B = -46.73 km

Cutoff Dist from Full Service= 257

Maximum Co-located power= 1.9 kW

WSYX Signal Contour at Reference location = 67.5 dBu

CH. 202, U/D ratio = -2.8 dB, Maximum FM signal = 64.7 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