

# Channel-Six TV Protection Study

WSYX            LI   06+ 1C Dom   Int 100.000 kW   286 M HAAT VDCY  
Columbus            OH                    523.0 M COR AMSL  
Lat= 39 56 16.0,        Lng= 83 01 16.0  
Wsyx Licensee, Inc.   BLCT19931022KE  
Fac ID# 56549, Cutoff Date=53897628  
Dist.=26.2334 km,   Azi=23.4°,   Rev Azi=203.5°

Direct line HAAT Grade B, 47 dBu= 101.82 km & Grade A= 52.97 km

Distance from reference to Grade B = -75.59 km

Cutoff Dist from Full Service or Class CA= 265

Maximum Co-located power= 1.1 kW

WSYX            Signal Contour at Reference location = 82.6 dBu

CH. 201, U/D ratio = -6.0 dB, Maximum FM signal = 76.6 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