

# Channel-Six TV Protection Study

WRTV LI 06Z 1C Dom 100.000 kW 279 M HAAT V HY  
Indianapolis IN 534 M COR AMSL  
Lat= 39 53 57, Lng= 86 12 04  
Mcgraw-hill Broadcasting C BMLCT20050414ABE  
Fac ID# 40877, Cutoff Date=53897628  
Dist.=66.61407 km, Azi=248.6°, Rev Azi=68.2°

Direct line HAAT Grade B, 47 dBu= 103.17 km & Grade A= 54.03 km

Distance from reference to Grade B = -36.55 km

Cutoff Dist from Full Service or Class CA= 257

Maximum Co-located power= 1.9 kW

WRTV Signal Contour at Reference location = 62.3 dBu

CH. 202, U/D ratio = -1.5 dB, Maximum FM signal = 60.8 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