

Channel-Six TV Protection Study

WECT LI 06Z 2C Dom 100.000 kW 588 M HAAT V HY
Wilmington NC 612M COR AMSL
Lat= 34 34 43, Lng= 78 26 13
Wect License Subsidiary, L BLCT19810729KF
Fac ID# 48666, Cutoff Date= 1 113
Dist.=107.9784 km, Azi=78.5°, Rev Azi=259.1°

Direct line HAAT Grade B, 47 dBu= 127.56 km & Grade A= 72.3 km

Distance from reference to Grade B = -19.58 km

Cutoff Dist from Full Service= 193

Maximum Co-located power= 38 kW

WECT Signal Contour at Reference location = 53.7 dBu

CH. 213, U/D ratio = 15.0 dB, Maximum FM signal = 68.7 dBu , add 6 dB if within angle.

TV/FM D to U values

47.0	69.5	55.0	68.7	63.0	70.2	71.0	74.9	79.0	81.2	87.0	87.9
48.0	69.3	56.0	68.8	64.0	70.7	72.0	75.6	80.0	82.0	88.0	88.7
49.0	69.0	57.0	68.8	65.0	71.1	73.0	76.4	81.0	82.8	89.0	89.6
50.0	68.8	58.0	68.9	66.0	71.7	74.0	77.2	82.0	83.7	90.0	90.5
51.0	68.8	59.0	69.0	67.0	72.2	75.0	78.0	83.0	84.5	91.0	90.5
52.0	68.7	60.0	69.3	68.0	72.8	76.0	78.8	84.0	85.3	92.0	90.5
53.0	68.7	61.0	69.5	69.0	73.5	77.0	79.6	85.0	86.2	93.0	90.5
54.0	68.7	62.0	69.8	70.0	74.2	78.0	80.4	86.0	87.0	94.0	90.5