Channel-Six TV Protection Study

WBRC LI 06- 2C Dom 100.000 kW 420 M HAAT V CY
Birmingham AL 615M COR AMSL
Lat= 33 29 19, Lng= 86 47 58
Wbrc License, Inc. BLCT19880229KI
Fac ID# 71221, Cutoff Date= 880531
Dist.=134.4647 km, Azi=82.8°, Rev Azi=263.6°

Direct line HAAT Grade B, 47 dBu= 115.78 km & Grade A= 63.63 km

Distance from reference to Grade B = 18.68 km
Cutoff Dist from Full Service= 193
Maximum Co-located power= 38 kW
WBRC Signal Contour at Reference location = 41.3 dBu
CH. 213, U/D ratio = 22.5 dB, Maximum FM signal = 69.5 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