

# Channel-Six TV Protection Study

KWQCTV LI 06+ 2C Dom 100.000 kW 408 M HAAT V HY  
Davenport IA 611M COR AMSL  
Lat= 41 32 49, Lng= 90 28 35  
Young Broadcasting Of Dave BLCT19821108KN  
Fac ID# 6885, Cutoff Date= 831129  
Dist.=171.5379 km, Azi=67.0°, Rev Azi=248.3°

Direct line HAAT Grade B, 47 dBu= 114.48 km & Grade A= 62.75 km

Distance from reference to Grade B = 57.06 km

Cutoff Dist from Full Service= 257

Maximum Co-located power= 1.9 kW

KWQCTV Signal Contour at Reference location = 32.0 dBu

CH. 202, U/D ratio = 3.8 dB, Maximum FM signal = 50.8 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