

The Refuge

Positive Hit Music

Exhibit 12-2 ERP Determination-Canadian Border Considerations

3/10/2006

The maximum HAAT in the 12 evenly spaced radials is **58.2 m (150°)**. The specified ERP is 0.23 kW (in all directions.) Therefore it complies with the power limitations set forth in § 74.1235(b).

Predicted Distances to the 60-dBu

Channel 215 (90.9 MHz)

RCAMSL: 381 m

HAAT: 50.4 m (avg. of 12 evenly spaced radials)

Terrain data source: FCC 30-Sec DEM(NGDC)

North Lat: 44° 53' 9"

West Long: 94° 20' 54"

Antenna: Non-DA H & V Pol

ERP (in all directions:) 0.230 kW

Az	Avg. Elev. (m)	HAAT	Dist to 60 dBu (m) F(50,50)(km)
0°	337.3	43.7	8.4
30°	332.2	48.8	8.9
60°	330.3	50.7	9.1
90°	327.2	53.8	9.4
120°	324.2	56.8	9.7
150°	322.8	58.2	9.8
180°	328.3	52.7	9.3
210°	326.1	54.9	9.5
240°	328.9	52.1	9.3
270°	329.3	51.7	9.2
300°	338.1	42.9	8.3
330°	343.0	38.0	7.8

Map Showing 60 dBu F(50,50) Contour

