

The Refuge

Positive Hit Music

Exhibit 12-2 ERP Determination

4/7/2004

The maximum HAAT is the 12 evenly spaced radials is 78.2 meters in the 30° radial. The specified ERP in this instant application is 0.038 kW (in all directions.) Therefore it complies with the power limitations set forth in § 74.1235(b). This proposal *is not* within the Canadian or Mexican Border zones.

Predicted distances to the 60-dBu contour are illustrated in the chart below:

Channel 220 (91.9 MHz)
RCAMSL: 334.0 m
HAAT: 63.6 m (avg. of 12 evenly spaced radials)
Terrain data source: FCC 30-Sec DEM (NGDC)

North Lat: 45° 29' 10"
West Long: 92° 55' 56"
Antenna: Non-DA
ERP (in all directions:) 0.038 kW

Az	Avg. Elev. (m)	HAAT (m)	Dist to 60 dBu F(50,50)(km)
0°	258.7	75.3	6.7
30°	255.8	78.2	7.1
60°	263.3	70.7	6.8
90°	285.0	49.0	5.7
120°	279.0	55.0	6.0
150°	269.0	65.0	6.5
180°	265.5	68.5	6.7
210°	269.9	64.1	6.4
240°	270.0	64.0	6.4
270°	274.8	59.2	6.2
300°	280.4	53.6	5.9
330°	273.5	60.5	6.3

