

LAKES AREA CHRISTIAN RADIO (LACR)

Exhibit 12-3 ERP Determination

7/28/2005

The maximum HAAT in the 12 evenly spaced radials is 74.3 meters in the 60° radial. The specified ERP in this instant application is 0.250 kW (in all directions.) Therefore it complies with the power limitations set forth in § 74.1235. 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 201 (88.1 MHz)
HAAT: 59.6 m (avg. of 12 evenly spaced radials)
RCAMSL: 491.0m
Terrain Data Source: USGS 3-Sec DEM(DMA)

Coordinates: 43° 37' 40" NL 94°58' 52" WL
Antenna: Non-DA V-Pol
ERP (in all directions:) 0.250 kW

Az	Avg. Elev. (m)	HAAT (m)	Dist to 60 dBu F(50,50) (km)
0°	431.9	59.1	10.1
30°	419.8	71.2	11.0
60°	416.7	74.3	11.2
90°	418.6	72.4	11.1
120°	423.8	67.2	10.7
150°	423.1	67.9	10.7
180°	427.7	63.3	10.4
210°	435.0	56.0	9.8
240°	446.8	44.2	8.6
270°	452.4	38.6	8.0
300°	457.2	33.8	7.5
330°	423.4	67.6	10.7

Predicted 60 dBu F(50,50) contour

