

WMEX-LP PROPOSED MINOR CHANGE – JULY 12, 2018

Determination of HAAT:

Antenna Height Above Average Terrain Calculations -- Results

Input Data

Latitude **43° 17' 7" North**
Longitude **70° 56' 29" West (NAD 27)**

These coordinates convert to NAD 83 coordinates of
43° 17' 07.30", North, 70° 56' 27.22" West (NAD 83).

Height of antenna radiation center above mean sea level: **141 meters AMSL**

Number of Evenly Spaced Radials = **360** 0° is referenced to True North

Results

Calculated HAAT = **47 meters**

Antenna Height Above Average Terrain calculated
using 1 km **GLOBE** terrain data

Determination of ERP:

Select Contour Type:

Select Channel Range:

Find This:

ERP (kW) Distance (km)

HAAT (meters) Field (dBu)

Results:

Calculated Distance = **5.649 km**