

Antenna Height Above Average Terrain Calculations -- Results

Input Data

Latitude **46° 51' 32" North**
Longitude **96° 44' 44" West** (NAD 27)

These coordinates convert to NAD 83 coordinates of
46° 51' 31.87", North, 96° 44' 45.29" West (NAD 83).

Height of antenna radiation center above mean sea level: **313 meters AMSL**

Number of Evenly Spaced Radials = **8** 0° is referenced to True North

Results

Calculated HAAT = **30 meters**

Antenna Height Above Average Terrain calculated
using 1 km [GLOBE terrain data](#)

Individual "Radial HAAT" Values, in meters

0°	32.9 m
45°	28.1 m
90°	25.9 m
135°	25.4 m
180°	27.1 m
225°	30.0 m
270°	34.0 m
315°	36.3 m

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[New Calculation?](#)