

## Antenna Height Above Average Terrain Calculations -- Results

### Input Data

Latitude **43° 54' 12" North**

Longitude **70° 2' 13" West (NAD 27)**

These coordinates convert to NAD 83 coordinates of  
43° 54' 12.29", North, 70° 02' 11.18" West (NAD 83).

Height of antenna radiation center above mean sea level: **152 meters AMSL**

Number of Evenly Spaced Radials = **12**     0° is referenced to True North

### Results

Calculated HAAT = **116 meters**

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

### Individual "Radial HAAT" Values, in meters

0°	101.7 m	In this region (East of the Mississippi), 74.1235(b)(1) sets the maximum ERP for a HAAT of 140 meters at 13 Watts.
30°	111.4 m	
60°	124.5 m	
90°	127.5 m	
120°	136.1 m	
150°	140.4 m	
180°	139.4 m	
210°	130.4 m	
240°	92.4 m	
270°	91.3 m	
300°	94.6 m	
330°	97.1 m	

Print Results?

New Calculation?