



## Audio Division

(202)-418-2700

### Antenna Height Above Average Terrain (HAAT) / Contour Calculations

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## Antenna Height Above Average Terrain Calculations -- Input

Latitude **40 46 32.0 North**  
Longitude **73 26 32.0 West** (NAD 27)

Corresponding NAD 83 coordinates --- Latitude: 40° 46' 32.4° Longitude: 73° 26' 30.4°

Height of antenna radiation center above mean sea level [RCAMSL] = **166.0** meters

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

## Results:

**Calculated HAAT= 132. meters**

(Antenna Height Above Average Terrain)  
using the 30 second FCC/NGDC terrain data)

## Antenna Radiation Center Heights Above Individual Radials:

0.0°	122.2 meters
45.0°	105.3 meters
90.0°	134.8 meters
135.0°	156.3 meters
180.0°	155.4 meters
225.0°	148.2 meters
270.0°	124.5 meters
315.0°	109.0 meters

## [New Antenna Height Above Average Terrain \(HAAT\) calculation?](#)

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