



## Audio Division

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

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## Antenna Height Above Average Terrain Calculations -- Input

Latitude **40 42 2.0 North**  
Longitude **73 24 22.0 West** (NAD 27)

Height of antenna radiation center above mean sea level [RCAMSL] = **70.0** meters

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

## Results:

**Calculated HAAT= 56. meters**

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

## Antenna Radiation Center Heights Above Individual Radials:

0.0°	32.9 meters
45.0°	49.7 meters
90.0°	66.2 meters
135.0°	69.7 meters
180.0°	69.8 meters
225.0°	67.8 meters
270.0°	60.0 meters
315.0°	32.1 meters

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

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