



## 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 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 |

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Federal Communications Commission  
445 12th Street SW  
Washington, DC 20554  
[More FCC Contact Information...](#)

Phone: 1-888-CALL-FCC (1-888-225-5322)  
TTY: 1-888-TELL-FCC (1-888-835-5322)  
Fax: 1-866-418-0232

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