

**PROPOSED LP100 FACILITY HAAT DETERMINATION (73.813)**

**Applicant proposes to mount its antenna with center of radiation 56 meters AGL.**

**GL (Site Elevation) is 217.3 meters AMSL per ASR 1238658.**

**Antenna center of radiation is thus 273.3 meters AMSL.**

**Antenna center of radiation HAAT is determined to be 30 meters, as shown below.**

**The applicant therefore requests the full 100 Watts ERP.**

**Antenna Height Above Average Terrain Calculations -- Results**

**Input Data**

Latitude 40° 36' 38.1" North

Longitude 76° 3' 18" West (NAD 83)

Height of antenna radiation center above mean sea level: 273.3 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