

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**