

KCXU-LP FM – Minor Modification
August 2023

NAD 83 Coordinates: **37 19 45.9 N, 121 43 3.1 W**

- No second adjacent exhibit required at this location.
- 60 dBu contour at new location overlaps with current licensed location.
(see exhibit)

Power : **65 watts ERP**

HAAT Calculations: **38 Meters HAAT**

Antenna Height Above Average Terrain Calculations -- Results

Input Data

Latitude **37° 19' 45.96" North**
Longitude **121° 43' 3.31" West (NAD 83)**

These coordinates convert to NAD 27 coordinates of
37° 19' 46.17", North, 121° 42' 59.49" West (NAD 27).

Height of antenna radiation center above mean sea level: **513.7 meters AMSL**

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

Results

Calculated HAAT = 38 meters

Antenna Height Above Average Terrain calculated
using FCC 30 second terrain database (continental USA only)

Individual "Radial HAAT" Values, in meters

0°	-173.7 m
45°	-272.4 m
90°	-343.6 m
135°	-66.7 m
180°	195.1 m
225°	406.7 m
270°	440.4 m
315°	116.5 m

[Print Results?](#)

[New Calculation?](#)

- At 38m HAAT & 65 w ERP, 60 dBu contour at new location will overlap with current licensed location:

