



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 40 8.6 North**
Longitude **73 22 51.8 West** (NAD 27)

Height of antenna radiation center above mean sea level [RCAMSL] = **58.0** meters

Number of Evenly Spaced Radials = 360 0° is referenced to True North

Results:

Calculated HAAT= 50. meters

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

Antenna Radiation Center Heights Above Individual Radials:

0.0°	26.4 meters
1.0°	25.4 meters
2.0°	24.4 meters
3.0°	24.1 meters
4.0°	24.5 meters
5.0°	24.8 meters
6.0°	25.1 meters
7.0°	25.4 meters
8.0°	25.6 meters
9.0°	26.6 meters
10.0°	27.9 meters
11.0°	29.7 meters
12.0°	31.3 meters
13.0°	32.8 meters
14.0°	34.1 meters
15.0°	35.2 meters
16.0°	36.2 meters
17.0°	37.1 meters
18.0°	38.0 meters
19.0°	38.6 meters
20.0°	39.3 meters

21.0°	39.6 meters
22.0°	39.8 meters
23.0°	40.0 meters
24.0°	40.4 meters
25.0°	40.8 meters
26.0°	40.9 meters
27.0°	41.0 meters
28.0°	41.2 meters
29.0°	41.7 meters
30.0°	42.2 meters
31.0°	42.8 meters
32.0°	43.4 meters
33.0°	44.0 meters
34.0°	44.3 meters
35.0°	44.4 meters
36.0°	44.6 meters
37.0°	44.8 meters
38.0°	44.8 meters
39.0°	44.9 meters
40.0°	45.0 meters
41.0°	45.2 meters
42.0°	45.4 meters
43.0°	45.7 meters
44.0°	46.3 meters
45.0°	47.1 meters
46.0°	47.9 meters
47.0°	48.4 meters
48.0°	48.6 meters
49.0°	48.8 meters
50.0°	49.1 meters
51.0°	49.4 meters
52.0°	49.6 meters
53.0°	49.9 meters
54.0°	50.1 meters
55.0°	50.3 meters
56.0°	50.5 meters
57.0°	50.7 meters
58.0°	51.0 meters
59.0°	51.5 meters
60.0°	52.4 meters
61.0°	53.4 meters
62.0°	54.4 meters
63.0°	55.2 meters
64.0°	55.7 meters
65.0°	56.2 meters
66.0°	56.7 meters
67.0°	57.2 meters
68.0°	57.5 meters
69.0°	57.7 meters
70.0°	

	57.9 meters
71.0°	57.9 meters
72.0°	58.0 meters
73.0°	58.0 meters
74.0°	58.0 meters
75.0°	58.0 meters
76.0°	58.0 meters
77.0°	58.0 meters
78.0°	58.0 meters
79.0°	58.0 meters
80.0°	58.0 meters
81.0°	58.0 meters
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221.0°	58.0 meters
222.0°	58.0 meters
223.0°	58.0 meters
224.0°	58.0 meters
225.0°	58.0 meters
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255.0°	58.0 meters
256.0°	58.0 meters
257.0°	58.0 meters
258.0°	57.9 meters
259.0°	57.8 meters
260.0°	57.7 meters
261.0°	57.5 meters
262.0°	57.2 meters
263.0°	57.0 meters
264.0°	56.5 meters
265.0°	56.1 meters
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267.0°	55.1 meters
268.0°	54.7 meters
269.0°	54.4 meters
270.0°	54.0 meters
271.0°	53.6 meters
272.0°	53.2 meters
273.0°	52.7 meters
274.0°	51.6 meters
275.0°	50.4 meters
276.0°	49.4 meters
277.0°	48.6 meters
278.0°	48.2 meters
279.0°	48.1 meters
280.0°	48.0 meters
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283.0°	48.0 meters
284.0°	48.0 meters
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352.0°	32.7 meters
353.0°	32.3 meters
354.0°	31.9 meters
355.0°	31.7 meters
356.0°	31.2 meters
357.0°	30.0 meters
358.0°	28.7 meters
359.0°	27.4 meters

New Antenna Height Above Average Terrain (HAAT) calculation?

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