

Antenna Height Above Average Terrain Calculations -- Results

Input Data

Latitude **41° 21' 43" North**

Longitude **73° 6' 48" West (NAD 27)**

These coordinates convert to NAD 83 coordinates of
41° 21' 43.35", North, 73° 06' 46.39" West (NAD 83).

Height of antenna radiation center above mean sea level: **262 meters AMSL**

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

Results

Calculated HAAT = **137 meters**

Antenna Height Above Average Terrain calculated
using 1 km **GLOBE terrain data**

Individual "Radial HAAT" Values, in meters

0°	62.3 m	120°	188.6 m	240°	107.8 m
1°	66.5 m	121°	188.4 m	241°	107.9 m
2°	71.0 m	122°	188.4 m	242°	106.8 m
3°	75.4 m	123°	188.4 m	243°	104.2 m
4°	77.9 m	124°	188.4 m	244°	101.6 m
5°	83.2 m	125°	188.4 m	245°	101.0 m
6°	89.5 m	126°	188.8 m	246°	102.0 m
7°	91.5 m	127°	189.5 m	247°	103.7 m
8°	89.2 m	128°	190.0 m	248°	105.2 m
9°	85.5 m	129°	190.6 m	249°	106.2 m
10°	85.0 m	130°	191.5 m	250°	106.9 m
11°	86.4 m	131°	192.9 m	251°	107.2 m
12°	88.5 m	132°	194.3 m	252°	107.2 m
13°	90.8 m	133°	195.0 m	253°	107.3 m
14°	93.0 m	134°	195.4 m	254°	108.1 m
15°	95.4 m	135°	195.6 m	255°	109.0 m
16°	100.5 m	136°	196.4 m	256°	109.7 m
17°	107.8 m	137°	197.9 m	257°	109.2 m
18°	114.5 m	138°	199.5 m	258°	108.1 m
19°	119.0 m	139°	200.3 m	259°	106.7 m
20°	124.7 m	140°	200.2 m	260°	106.2 m
21°	132.6 m	141°	200.1 m	261°	105.7 m
22°	141.3 m	142°	200.6 m	262°	104.5 m
23°	148.7 m	143°	201.9 m	263°	103.7 m
24°	153.2 m	144°	203.8 m	264°	102.7 m
25°	154.3 m	145°	206.1 m	265°	102.7 m
26°	152.2 m	146°	208.5 m	266°	103.5 m
27°	149.1 m	147°	211.1 m	267°	105.0 m
28°	146.0 m	148°	213.8 m	268°	106.7 m
29°	142.8 m	149°	216.1 m	269°	108.4 m

30°	138.4 m	150°	217.5 m	270°	110.2 m
31°	133.9 m	151°	218.0 m	271°	110.2 m
32°	129.8 m	152°	217.8 m	272°	110.1 m
33°	126.1 m	153°	216.7 m	273°	110.0 m
34°	122.8 m	154°	214.5 m	274°	109.7 m
35°	121.3 m	155°	212.1 m	275°	108.7 m
36°	122.5 m	156°	210.4 m	276°	107.6 m
37°	124.3 m	157°	209.9 m	277°	106.1 m
38°	124.9 m	158°	210.3 m	278°	106.2 m
39°	123.9 m	159°	211.1 m	279°	106.7 m
40°	121.1 m	160°	211.8 m	280°	108.2 m
41°	117.5 m	161°	212.3 m	281°	110.3 m
42°	115.0 m	162°	213.0 m	282°	112.3 m
43°	113.1 m	163°	213.2 m	283°	115.0 m
44°	111.3 m	164°	211.5 m	284°	118.4 m
45°	108.7 m	165°	208.5 m	285°	121.9 m
46°	105.8 m	166°	204.8 m	286°	126.2 m
47°	104.1 m	167°	201.0 m	287°	131.1 m
48°	104.3 m	168°	197.6 m	288°	135.8 m
49°	105.3 m	169°	195.6 m	289°	140.0 m
50°	106.2 m	170°	194.6 m	290°	143.0 m
51°	106.6 m	171°	193.0 m	291°	144.8 m
52°	107.0 m	172°	190.7 m	292°	145.4 m
53°	107.9 m	173°	190.6 m	293°	145.4 m
54°	109.2 m	174°	191.4 m	294°	145.8 m
55°	111.3 m	175°	189.6 m	295°	147.6 m
56°	113.5 m	176°	186.9 m	296°	149.7 m
57°	114.9 m	177°	185.4 m	297°	151.2 m
58°	115.4 m	178°	183.4 m	298°	152.2 m
59°	115.4 m	179°	180.9 m	299°	153.1 m
60°	115.7 m	180°	178.2 m	300°	154.5 m
61°	116.3 m	181°	177.3 m	301°	155.5 m
62°	117.5 m	182°	176.4 m	302°	156.6 m
63°	119.3 m	183°	174.9 m	303°	158.2 m
64°	121.2 m	184°	170.9 m	304°	159.7 m
65°	123.4 m	185°	167.1 m	305°	159.2 m
66°	126.1 m	186°	164.8 m	306°	158.6 m
67°	128.2 m	187°	163.2 m	307°	158.6 m
68°	130.4 m	188°	162.0 m	308°	159.0 m
69°	131.7 m	189°	160.7 m	309°	156.9 m
70°	132.5 m	190°	158.7 m	310°	152.1 m
71°	133.0 m	191°	157.0 m	311°	145.0 m
72°	132.4 m	192°	155.0 m	312°	137.7 m
73°	132.5 m	193°	152.6 m	313°	132.1 m
74°	133.8 m	194°	150.1 m	314°	128.4 m
75°	135.5 m	195°	148.5 m	315°	126.6 m
76°	139.2 m	196°	147.5 m	316°	125.3 m
77°	142.8 m	197°	146.6 m	317°	123.6 m
78°	145.4 m	198°	146.7 m	318°	121.2 m
79°	148.0 m	199°	148.8 m	319°	118.8 m
80°	149.4 m	200°	152.4 m	320°	116.6 m
81°	150.4 m	201°	155.0 m	321°	115.0 m
82°	151.2 m	202°	154.9 m	322°	114.3 m
83°	152.0 m	203°	151.9 m	323°	113.5 m
84°	152.6 m	204°	147.4 m	324°	111.6 m
85°	153.4 m	205°	142.8 m	325°	108.9 m
86°	155.0 m	206°	139.2 m	326°	106.2 m
87°	156.9 m	207°	136.3 m	327°	103.9 m
88°	158.9 m	208°	133.5 m	328°	101.8 m
89°	160.8 m	209°	130.1 m	329°	100.5 m
90°	162.7 m	210°	126.9 m	330°	100.9 m
91°	164.2 m	211°	123.9 m	331°	102.4 m
92°	165.8 m	212°	121.3 m	332°	103.4 m
93°	167.4 m	213°	119.2 m	333°	102.8 m
94°	168.4 m	214°	118.0 m	334°	100.1 m

95°	169.9 m	215°	117.6 m	335°	95.7 m
96°	171.4 m	216°	117.5 m	336°	90.0 m
97°	172.6 m	217°	117.3 m	337°	83.4 m
98°	173.9 m	218°	117.0 m	338°	75.9 m
99°	174.5 m	219°	117.2 m	339°	67.9 m
100°	175.1 m	220°	118.4 m	340°	61.0 m
101°	175.9 m	221°	120.3 m	341°	56.6 m
102°	177.1 m	222°	121.5 m	342°	55.6 m
103°	179.0 m	223°	121.8 m	343°	57.6 m
104°	180.7 m	224°	121.2 m	344°	61.0 m
105°	181.8 m	225°	120.0 m	345°	64.0 m
106°	183.0 m	226°	118.4 m	346°	66.1 m
107°	183.9 m	227°	116.9 m	347°	67.2 m
108°	184.7 m	228°	115.8 m	348°	66.8 m
109°	185.8 m	229°	115.2 m	349°	65.3 m
110°	186.8 m	230°	114.7 m	350°	64.0 m
111°	187.6 m	231°	114.1 m	351°	62.6 m
112°	188.3 m	232°	113.4 m	352°	60.0 m
113°	188.3 m	233°	112.7 m	353°	57.7 m
114°	188.0 m	234°	112.2 m	354°	56.1 m
115°	187.8 m	235°	111.7 m	355°	54.5 m
116°	188.3 m	236°	111.0 m	356°	53.8 m
117°	188.9 m	237°	110.0 m	357°	54.7 m
118°	189.3 m	238°	108.5 m	358°	56.9 m
119°	189.0 m	239°	107.7 m	359°	59.6 m

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