

Antenna Height Above Average Terrain Calculations -- Results

Input Data

Latitude **40° 47' 44" North**
 Longitude **73° 27' 42" West** (NAD 27)

These coordinates convert to NAD 83 coordinates of
 40° 47' 44.36", North, 73° 27' 40.44" West (NAD 83).

Height of antenna radiation center above mean sea level: **162 meters AMSL**

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

Results

Calculated HAAT = **126 meters**

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

Individual "Radial HAAT" Values, in meters

0°	130.4 m	120°	141.8 m	240°	129.6 m
1°	130.1 m	121°	142.3 m	241°	128.7 m
2°	130.4 m	122°	142.7 m	242°	127.8 m
3°	131.6 m	123°	143.0 m	243°	126.9 m
4°	131.8 m	124°	143.3 m	244°	126.0 m
5°	131.7 m	125°	143.5 m	245°	125.2 m
6°	131.5 m	126°	143.6 m	246°	124.6 m
7°	131.5 m	127°	143.7 m	247°	124.1 m
8°	131.3 m	128°	143.7 m	248°	123.9 m
9°	130.8 m	129°	143.8 m	249°	123.8 m
10°	130.3 m	130°	143.9 m	250°	123.6 m
11°	130.1 m	131°	144.1 m	251°	123.3 m
12°	130.4 m	132°	144.2 m	252°	122.8 m
13°	131.0 m	133°	144.1 m	253°	122.2 m
14°	131.9 m	134°	144.1 m	254°	121.3 m
15°	132.8 m	135°	144.1 m	255°	120.4 m
16°	133.5 m	136°	144.3 m	256°	119.6 m
17°	133.4 m	137°	144.5 m	257°	118.9 m
18°	132.7 m	138°	144.6 m	258°	118.2 m
19°	131.8 m	139°	144.6 m	259°	117.1 m
20°	130.8 m	140°	144.3 m	260°	116.0 m
21°	129.0 m	141°	144.1 m	261°	114.9 m
22°	127.1 m	142°	144.0 m	262°	114.1 m
23°	125.6 m	143°	144.0 m	263°	113.4 m
24°	124.7 m	144°	144.0 m	264°	112.7 m
25°	124.2 m	145°	144.1 m	265°	111.7 m
26°	123.8 m	146°	144.0 m	266°	110.2 m

27°	123.2 m	147°	143.9 m	267°	108.7 m
28°	122.1 m	148°	143.9 m	268°	106.8 m
29°	120.8 m	149°	144.0 m	269°	103.7 m
30°	119.9 m	150°	144.1 m	270°	100.5 m
31°	119.6 m	151°	144.1 m	271°	97.3 m
32°	119.7 m	152°	143.9 m	272°	94.2 m
33°	119.5 m	153°	143.5 m	273°	94.9 m
34°	118.8 m	154°	143.2 m	274°	96.8 m
35°	118.0 m	155°	143.0 m	275°	98.7 m
36°	117.1 m	156°	143.0 m	276°	100.1 m
37°	116.3 m	157°	143.1 m	277°	100.7 m
38°	115.4 m	158°	143.3 m	278°	101.6 m
39°	114.3 m	159°	143.5 m	279°	103.3 m
40°	112.8 m	160°	143.7 m	280°	104.9 m
41°	110.9 m	161°	143.8 m	281°	106.3 m
42°	108.6 m	162°	143.9 m	282°	107.5 m
43°	106.3 m	163°	144.0 m	283°	108.3 m
44°	104.4 m	164°	144.1 m	284°	108.7 m
45°	103.3 m	165°	144.4 m	285°	109.0 m
46°	102.5 m	166°	144.6 m	286°	109.2 m
47°	101.6 m	167°	144.9 m	287°	109.6 m
48°	100.5 m	168°	145.1 m	288°	110.0 m
49°	99.6 m	169°	145.3 m	289°	110.5 m
50°	99.1 m	170°	145.3 m	290°	111.0 m
51°	99.0 m	171°	145.0 m	291°	111.5 m
52°	99.1 m	172°	144.6 m	292°	111.8 m
53°	99.3 m	173°	144.1 m	293°	112.3 m
54°	99.5 m	174°	143.8 m	294°	112.7 m
55°	99.6 m	175°	143.7 m	295°	113.1 m
56°	99.8 m	176°	143.5 m	296°	113.3 m
57°	99.9 m	177°	143.4 m	297°	113.6 m
58°	99.9 m	178°	143.4 m	298°	113.3 m
59°	99.7 m	179°	143.5 m	299°	112.8 m
60°	99.4 m	180°	143.6 m	300°	112.2 m
61°	99.3 m	181°	143.7 m	301°	111.9 m
62°	99.5 m	182°	143.8 m	302°	111.7 m
63°	100.1 m	183°	144.1 m	303°	111.5 m
64°	100.8 m	184°	144.5 m	304°	111.3 m
65°	101.7 m	185°	144.8 m	305°	110.8 m
66°	102.5 m	186°	144.9 m	306°	110.4 m
67°	103.2 m	187°	144.9 m	307°	109.8 m
68°	103.9 m	188°	144.8 m	308°	109.2 m
69°	104.3 m	189°	144.6 m	309°	108.9 m
70°	104.5 m	190°	144.3 m	310°	109.2 m
71°	104.5 m	191°	144.2 m	311°	109.9 m
72°	104.1 m	192°	144.1 m	312°	111.3 m
73°	103.5 m	193°	144.1 m	313°	113.1 m
74°	103.0 m	194°	144.4 m	314°	115.0 m
75°	102.7 m	195°	144.8 m	315°	116.6 m
76°	102.6 m	196°	145.1 m	316°	117.6 m
77°	102.5 m	197°	145.1 m	317°	118.1 m
78°	102.4 m	198°	145.0 m	318°	118.8 m
79°	102.5 m	199°	145.0 m	319°	120.1 m
80°	103.0 m	200°	144.8 m	320°	121.6 m
81°	103.7 m	201°	144.7 m	321°	122.8 m
82°	104.6 m	202°	144.4 m	322°	123.3 m
83°	106.2 m	203°	144.1 m	323°	123.4 m
84°	108.0 m	204°	143.8 m	324°	123.5 m
85°	110.0 m	205°	143.5 m	325°	124.1 m
86°	111.7 m	206°	143.3 m	326°	125.6 m

87°	113.3 m	207°	143.0 m	327°	127.4 m
88°	114.6 m	208°	142.8 m	328°	128.8 m
89°	116.3 m	209°	142.5 m	329°	130.0 m
90°	117.9 m	210°	142.2 m	330°	131.1 m
91°	119.5 m	211°	141.8 m	331°	132.0 m
92°	121.0 m	212°	141.1 m	332°	132.8 m
93°	121.6 m	213°	140.3 m	333°	133.7 m
94°	121.8 m	214°	139.6 m	334°	134.7 m
95°	121.9 m	215°	139.3 m	335°	135.8 m
96°	122.1 m	216°	139.1 m	336°	136.7 m
97°	122.5 m	217°	138.8 m	337°	137.1 m
98°	122.9 m	218°	138.5 m	338°	137.0 m
99°	123.7 m	219°	138.1 m	339°	136.3 m
100°	124.6 m	220°	137.6 m	340°	135.1 m
101°	125.4 m	221°	137.1 m	341°	133.6 m
102°	126.3 m	222°	136.6 m	342°	132.4 m
103°	127.1 m	223°	136.2 m	343°	132.0 m
104°	128.1 m	224°	135.8 m	344°	132.8 m
105°	128.9 m	225°	135.5 m	345°	134.5 m
106°	129.8 m	226°	135.4 m	346°	136.3 m
107°	130.6 m	227°	135.3 m	347°	137.8 m
108°	131.3 m	228°	135.2 m	348°	138.5 m
109°	132.0 m	229°	135.0 m	349°	138.4 m
110°	132.6 m	230°	134.6 m	350°	137.5 m
111°	133.3 m	231°	134.1 m	351°	136.2 m
112°	134.2 m	232°	133.7 m	352°	135.0 m
113°	135.1 m	233°	133.2 m	353°	134.6 m
114°	136.1 m	234°	132.7 m	354°	134.8 m
115°	137.2 m	235°	132.2 m	355°	134.1 m
116°	138.3 m	236°	131.8 m	356°	133.6 m
117°	139.4 m	237°	131.5 m	357°	132.8 m
118°	140.3 m	238°	131.0 m	358°	131.0 m
119°	141.1 m	239°	130.4 m	359°	130.6 m