

Audio Division

(202)-418-2700

Antenna Height Above Average Terrain (HAAT) / Contour Calculations[FCC](#) > [MB](#) > [Audio Division](#) > [HAAT/Contour Calculations](#)[FCC site map](#)**Antenna Height Above Average Terrain Calculations -- Input**

Latitude **28 49 53.0 North**
Longitude **97 0 14.0 West** (NAD 27)

Height of antenna radiation center above mean sea level [RCAMSL] = **120.0** meters

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

Results:**Calculated HAAT= 95. meters**

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

Antenna Radiation Center Heights Above Individual Radials:

0.0°	82.8 meters
1.0°	82.6 meters
2.0°	82.5 meters
3.0°	82.3 meters
4.0°	82.1 meters
5.0°	82.0 meters
6.0°	82.0 meters
7.0°	81.9 meters
8.0°	81.9 meters
9.0°	82.2 meters
10.0°	82.6 meters
11.0°	83.1 meters
12.0°	83.5 meters
13.0°	83.7 meters
14.0°	83.9 meters
15.0°	84.2 meters
16.0°	84.5 meters
17.0°	84.8 meters
18.0°	85.1 meters
19.0°	85.4 meters
20.0°	85.7 meters

21.0°	85.8 meters
22.0°	86.0 meters
23.0°	86.3 meters
24.0°	86.4 meters
25.0°	86.2 meters
26.0°	86.1 meters
27.0°	86.4 meters
28.0°	86.9 meters
29.0°	87.4 meters
30.0°	87.6 meters
31.0°	87.6 meters
32.0°	87.6 meters
33.0°	87.6 meters
34.0°	87.5 meters
35.0°	87.4 meters
36.0°	87.2 meters
37.0°	87.0 meters
38.0°	86.6 meters
39.0°	86.4 meters
40.0°	86.4 meters
41.0°	86.7 meters
42.0°	87.1 meters
43.0°	87.5 meters
44.0°	88.0 meters
45.0°	88.6 meters
46.0°	89.1 meters
47.0°	89.5 meters
48.0°	89.6 meters
49.0°	89.9 meters
50.0°	90.3 meters
51.0°	90.9 meters
52.0°	91.4 meters
53.0°	91.9 meters
54.0°	92.2 meters
55.0°	92.4 meters
56.0°	92.6 meters
57.0°	92.9 meters
58.0°	93.3 meters
59.0°	93.6 meters
60.0°	93.8 meters
61.0°	93.9 meters
62.0°	94.0 meters
63.0°	94.1 meters
64.0°	94.2 meters
65.0°	94.3 meters
66.0°	94.4 meters
67.0°	94.5 meters
68.0°	94.5 meters
69.0°	94.4 meters
70.0°	

	94.5 meters
71.0°	94.6 meters
72.0°	94.6 meters
73.0°	94.7 meters
74.0°	94.8 meters
75.0°	94.9 meters
76.0°	95.2 meters
77.0°	95.4 meters
78.0°	95.7 meters
79.0°	96.1 meters
80.0°	96.5 meters
81.0°	96.9 meters
82.0°	97.3 meters
83.0°	97.8 meters
84.0°	98.2 meters
85.0°	98.6 meters
86.0°	98.9 meters
87.0°	99.0 meters
88.0°	99.1 meters
89.0°	99.0 meters
90.0°	99.1 meters
91.0°	99.2 meters
92.0°	99.3 meters
93.0°	99.4 meters
94.0°	99.4 meters
95.0°	99.5 meters
96.0°	99.6 meters
97.0°	99.7 meters
98.0°	99.8 meters
99.0°	99.9 meters
100.0°	100.0 meters
101.0°	100.0 meters
102.0°	100.0 meters
103.0°	100.0 meters
104.0°	100.0 meters
105.0°	100.0 meters
106.0°	100.0 meters
107.0°	100.0 meters
108.0°	100.0 meters
109.0°	100.0 meters
110.0°	100.0 meters
111.0°	100.0 meters
112.0°	100.0 meters
113.0°	100.0 meters
114.0°	100.1 meters
115.0°	100.1 meters
116.0°	100.1 meters
117.0°	100.0 meters
118.0°	100.0 meters
119.0°	

	100.0 meters
120.0°	100.0 meters
121.0°	100.0 meters
122.0°	100.0 meters
123.0°	100.0 meters
124.0°	100.0 meters
125.0°	100.0 meters
126.0°	100.1 meters
127.0°	100.3 meters
128.0°	100.4 meters
129.0°	100.4 meters
130.0°	100.3 meters
131.0°	100.1 meters
132.0°	100.1 meters
133.0°	100.0 meters
134.0°	100.0 meters
135.0°	100.0 meters
136.0°	100.0 meters
137.0°	100.0 meters
138.0°	100.0 meters
139.0°	100.0 meters
140.0°	100.0 meters
141.0°	100.0 meters
142.0°	100.0 meters
143.0°	100.0 meters
144.0°	100.0 meters
145.0°	100.1 meters
146.0°	100.2 meters
147.0°	100.4 meters
148.0°	100.8 meters
149.0°	101.3 meters
150.0°	101.9 meters
151.0°	102.7 meters
152.0°	103.3 meters
153.0°	103.8 meters
154.0°	104.1 meters
155.0°	104.4 meters
156.0°	104.6 meters
157.0°	104.8 meters
158.0°	104.9 meters
159.0°	105.1 meters
160.0°	105.3 meters
161.0°	105.7 meters
162.0°	106.2 meters
163.0°	106.8 meters
164.0°	107.1 meters
165.0°	107.3 meters
166.0°	107.5 meters
167.0°	107.6 meters
168.0°	

	107.8 meters
169.0°	107.9 meters
170.0°	108.1 meters
171.0°	108.2 meters
172.0°	108.3 meters
173.0°	108.4 meters
174.0°	108.5 meters
175.0°	108.6 meters
176.0°	108.7 meters
177.0°	108.8 meters
178.0°	108.8 meters
179.0°	108.9 meters
180.0°	109.0 meters
181.0°	109.0 meters
182.0°	109.1 meters
183.0°	109.2 meters
184.0°	109.2 meters
185.0°	109.3 meters
186.0°	109.3 meters
187.0°	109.3 meters
188.0°	109.4 meters
189.0°	109.4 meters
190.0°	109.5 meters
191.0°	109.5 meters
192.0°	109.4 meters
193.0°	109.2 meters
194.0°	109.0 meters
195.0°	109.1 meters
196.0°	109.2 meters
197.0°	109.2 meters
198.0°	108.9 meters
199.0°	108.5 meters
200.0°	108.0 meters
201.0°	107.5 meters
202.0°	107.2 meters
203.0°	106.9 meters
204.0°	106.8 meters
205.0°	106.7 meters
206.0°	106.6 meters
207.0°	106.6 meters
208.0°	106.6 meters
209.0°	106.5 meters
210.0°	106.3 meters
211.0°	106.1 meters
212.0°	106.0 meters
213.0°	105.8 meters
214.0°	105.6 meters
215.0°	105.4 meters
216.0°	105.1 meters

217.0°

	104.6 meters
218.0°	104.0 meters
219.0°	103.3 meters
220.0°	102.4 meters
221.0°	101.8 meters
222.0°	101.5 meters
223.0°	101.3 meters
224.0°	101.3 meters
225.0°	101.1 meters
226.0°	100.7 meters
227.0°	100.0 meters
228.0°	99.5 meters
229.0°	99.1 meters
230.0°	98.7 meters
231.0°	98.2 meters
232.0°	97.8 meters
233.0°	97.6 meters
234.0°	97.4 meters
235.0°	97.1 meters
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237.0°	96.6 meters
238.0°	96.5 meters
239.0°	96.3 meters
240.0°	96.0 meters
241.0°	95.5 meters
242.0°	95.0 meters
243.0°	94.4 meters
244.0°	93.8 meters
245.0°	93.5 meters
246.0°	93.2 meters
247.0°	93.2 meters
248.0°	93.2 meters
249.0°	93.1 meters
250.0°	93.0 meters
251.0°	93.0 meters
252.0°	92.9 meters
253.0°	92.7 meters
254.0°	92.5 meters
255.0°	92.4 meters
256.0°	92.4 meters
257.0°	92.4 meters
258.0°	92.4 meters
259.0°	92.6 meters
260.0°	92.7 meters
261.0°	92.8 meters
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299.0°	97.8 meters
300.0°	96.8 meters
301.0°	95.4 meters
302.0°	93.7 meters
303.0°	91.8 meters
304.0°	89.8 meters
305.0°	88.1 meters
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New Antenna Height Above Average Terrain (HAAT) calculation?

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