

Larry Waggoner

Project: KPNO Curves: VHF Low Band for 88 mHz to 108 mHz

Site Coordinates: 42-06-16 North 97-20-11 West

NGDC 30-Second Database for Continental US.

DEM-30 Database for AK, HI, and PR.

Site Elevation AMSL: (1699 feet), 518 meters

Antenna HAAT: 103 meters

Antenna Center Above Sea Level: 611 meters

TV/FM Channel: 215

----- DISTANCES TO CONTOURS IN KILOMETERS -----  
AZM HAAT ERP 70 dB 60 dB 100 dB 54 dB 40 dB  
(deg) (m) (kW) (km) (km) (km) (km) (km)  
50,50 50,50 50,10 50,10 50,10

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140 88 100.00 29.9 48.4 5.5 78.0 144.5  
145 94 100.00 30.8 49.6 5.7 79.1 145.5  
150 96 100.00 31.1 50.0 5.7 79.5 145.8  
155 103 100.00 32.2 51.3 5.9 80.8 147.0  
160 99 100.00 31.6 50.6 5.8 80.1 146.3  
165 97 100.00 31.3 50.2 5.7 79.7 146.0  
170 96 100.00 31.1 50.0 5.7 79.5 145.8  
175 106 100.00 32.6 51.8 6.0 81.3 147.5  
180 116 100.00 33.9 53.5 6.3 82.9 149.2  
185 122 100.00 34.7 54.4 6.4 83.8 150.2  
190 127 100.00 35.3 55.1 6.6 84.6 151.0  
195 130 100.00 35.7 55.6 6.6 85.1 151.5  
200 134 100.00 36.2 56.2 6.7 85.7 152.2  
205 135 100.00 36.3 56.3 6.8 85.9 152.4  
210 138 100.00 36.7 56.7 6.8 86.3 152.9  
215 139 100.00 36.8 56.9 6.8 86.5 153.0  
220 139 100.00 36.8 56.9 6.8 86.5 153.0  
225 139 100.00 36.8 56.9 6.8 86.5 153.0  
230 137 100.00 36.6 56.6 6.8 86.2 152.7  
235 130 100.00 35.7 55.6 6.6 85.1 151.5  
240 126 100.00 35.2 55.0 6.5 84.5 150.9  
245 120 100.00 34.4 54.1 6.4 83.5 149.8  
250 118 100.00 34.2 53.8 6.3 83.2 149.5  
255 118 100.00 34.2 53.8 6.3 83.2 149.5  
260 117 100.00 34.0 53.6 6.3 83.1 149.3  
265 118 100.00 34.2 53.8 6.3 83.2 149.5  
270 119 100.00 34.3 53.9 6.4 83.4 149.6  
275 121 100.00 34.6 54.2 6.4 83.7 150.0  
280 124 100.00 35.0 54.7 6.5 84.2 150.5  
285 123 100.00 34.8 54.5 6.5 84.0 150.3  
290 123 100.00 34.8 54.5 6.5 84.0 150.3  
295 124 100.00 35.0 54.7 6.5 84.2 150.5  
300 123 100.00 34.8 54.5 6.5 84.0 150.3