

Larry Waggoner

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

Site Coordinates: 38-03-15 North 97-55-50 West

NGDC 30-Second Database for Continental US.

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

Site Elevation AMSL: (1534 feet), 468 meters

Antenna HAAT: 57 meters

Antenna Center Above Sea Level: 527 meters

TV/FM Channel: 201

----- 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

0	40	0.5700	5.6	10.1	1.1	14.2	34.8
5	45	0.5700	6.0	10.7	1.1	15.3	37.2
10	49	0.5700	6.2	11.2	1.1	16.0	39.1
15	53	0.5700	6.5	11.7	1.2	16.8	40.7
20	56	0.5700	6.7	12.0	1.2	17.3	41.8
25	58	0.5700	6.8	12.2	1.2	17.7	42.5
30	58	0.5700	6.8	12.2	1.2	17.7	42.5
35	58	0.5700	6.8	12.2	1.2	17.7	42.5
40	60	0.5700	6.9	12.4	1.2	18.0	43.2
45	60	0.5700	6.9	12.4	1.2	18.0	43.2
50	60	0.5700	6.9	12.4	1.2	18.0	43.2
55	62	0.5700	7.0	12.6	1.2	18.4	43.9
60	61	0.5700	6.9	12.5	1.2	18.2	43.6
65	62	0.5700	7.0	12.6	1.2	18.4	43.9
70	62	0.5700	7.0	12.6	1.2	18.4	43.9
75	62	0.5700	7.0	12.6	1.2	18.4	43.9
80	63	0.5700	7.1	12.7	1.2	18.6	44.3
85	64	0.5700	7.1	12.8	1.3	18.7	44.6
90	66	0.5700	7.2	12.9	1.3	19.0	45.2
95	69	0.5700	7.4	13.2	1.3	19.5	46.1
100	71	0.5700	7.5	13.4	1.3	19.8	46.7
105	71	0.5700	7.5	13.4	1.3	19.8	46.7
110	71	0.5700	7.5	13.4	1.3	19.8	46.7
115	72	0.5700	7.5	13.5	1.3	19.9	47.0
120	72	0.5700	7.5	13.5	1.3	19.9	47.0
125	72	0.5700	7.5	13.5	1.3	19.9	47.0
130	72	0.5700	7.5	13.5	1.3	19.9	47.0
135	72	0.5700	7.5	13.5	1.3	19.9	47.0
140	71	0.5700	7.5	13.4	1.3	19.8	46.7
145	69	0.5700	7.4	13.2	1.3	19.5	46.1
150	66	0.5700	7.2	12.9	1.3	19.0	45.2
155	64	0.5700	7.1	12.8	1.3	18.7	44.6
160	63	0.5700	7.1	12.7	1.2	18.6	44.3
165	62	0.5700	7.0	12.6	1.2	18.4	43.9
170	62	0.5700	7.0	12.6	1.2	18.4	43.9
175	61	0.5700	6.9	12.5	1.2	18.2	43.6

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180 60 0.5700 6.9 12.4 1.2 18.0 43.2  
185 59 0.5700 6.8 12.3 1.2 17.9 42.9  
190 58 0.5700 6.8 12.2 1.2 17.7 42.5  
195 58 0.5700 6.8 12.2 1.2 17.7 42.5  
200 59 0.5700 6.8 12.3 1.2 17.9 42.9  
205 59 0.5700 6.8 12.3 1.2 17.9 42.9  
210 59 0.5700 6.8 12.3 1.2 17.9 42.9  
215 59 0.5700 6.8 12.3 1.2 17.9 42.9  
220 58 0.5700 6.8 12.2 1.2 17.7 42.5  
225 57 0.5700 6.7 12.1 1.2 17.5 42.2  
230 55 0.5700 6.6 11.9 1.2 17.2 41.4  
235 54 0.5700 6.5 11.8 1.2 17.0 41.0  
240 51 0.5700 6.4 11.5 1.2 16.4 39.9  
245 49 0.5700 6.2 11.2 1.1 16.0 39.1  
250 48 0.5700 6.2 11.1 1.1 15.9 38.6  
255 49 0.5700 6.2 11.2 1.1 16.0 39.1  
260 50 0.5700 6.3 11.3 1.2 16.2 39.5  
265 50 0.5700 6.3 11.3 1.2 16.2 39.5  
270 50 0.5700 6.3 11.3 1.2 16.2 39.5  
275 50 0.5700 6.3 11.3 1.2 16.2 39.5  
280 49 0.5700 6.2 11.2 1.1 16.0 39.1  
285 49 0.5700 6.2 11.2 1.1 16.0 39.1  
290 49 0.5700 6.2 11.2 1.1 16.0 39.1  
295 49 0.5700 6.2 11.2 1.1 16.0 39.1  
300 50 0.5700 6.3 11.3 1.2 16.2 39.5  
305 51 0.5700 6.4 11.5 1.2 16.4 39.9  
310 50 0.5700 6.3 11.3 1.2 16.2 39.5  
315 51 0.5700 6.4 11.5 1.2 16.4 39.9  
320 51 0.5700 6.4 11.5 1.2 16.4 39.9  
325 51 0.5700 6.4 11.5 1.2 16.4 39.9  
330 50 0.5700 6.3 11.3 1.2 16.2 39.5  
335 46 0.5700 6.0 10.9 1.1 15.5 37.7  
340 37 0.5700 5.4 9.7 1.0 13.7 33.3  
345 31 0.5700 5.0 8.9 0.9 12.6 30.2  
350 30 0.5700 4.9 8.8 0.9 12.4 29.6  
355 34 0.5700 5.2 9.4 1.0 13.2 31.8