

Larry Waggoner

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

Site Coordinates: 41-32-28 North 97-40-45 West

NGDC 30-Second Database for Continental US.

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

Site Elevation AMSL: (1755 feet), 535 meters

Antenna HAAT: 170 meters

Antenna Center Above Sea Level: 672 meters

TV/FM Channel: 213

----- 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	157	10.00	23.0	38.9	3.9	58.0	103.8
5	161	10.00	23.2	39.3	3.9	58.6	104.4
10	162	10.00	23.3	39.4	3.9	58.7	104.6
15	162	10.00	23.3	39.4	3.9	58.7	104.6
20	163	10.00	23.4	39.6	3.9	58.8	104.7
25	164	10.00	23.4	39.7	3.9	59.0	104.8
30	163	10.00	23.4	39.6	3.9	58.8	104.7
35	164	10.00	23.4	39.7	3.9	59.0	104.8
40	166	10.00	23.6	39.9	4.0	59.3	105.1
45	166	10.00	23.6	39.9	4.0	59.3	105.1
50	169	10.00	23.8	40.2	4.0	59.7	105.5
55	170	10.00	23.8	40.3	4.0	59.8	105.7
60	172	10.00	24.0	40.5	4.0	60.1	105.9
65	173	10.00	24.0	40.6	4.0	60.2	106.1
70	176	10.00	24.2	40.9	4.1	60.6	106.5
75	177	10.00	24.3	41.1	4.1	60.7	106.6
80	178	10.00	24.3	41.2	4.1	60.9	106.7
85	185	10.00	24.8	41.8	4.2	61.7	107.6
90	185	10.00	24.8	41.8	4.2	61.7	107.6
95	181	10.00	24.5	41.4	4.1	61.2	107.1
100	176	10.00	24.2	40.9	4.1	60.6	106.5
105	183	10.00	24.6	41.6	4.1	61.5	107.4
110	185	10.00	24.8	41.8	4.2	61.7	107.6
115	190	10.00	25.1	42.2	4.2	62.3	108.2
120	195	10.00	25.4	42.5	4.2	62.9	108.8
125	197	10.00	25.5	42.7	4.3	63.2	109.0
130	199	10.00	25.6	42.9	4.3	63.4	109.2
135	200	10.00	25.6	42.9	4.3	63.5	109.3
140	200	10.00	25.6	42.9	4.3	63.5	109.3
145	198	10.00	25.5	42.8	4.3	63.3	109.1
150	197	10.00	25.5	42.7	4.3	63.2	109.0
155	196	10.00	25.4	42.6	4.2	63.0	108.9
160	196	10.00	25.4	42.6	4.2	63.0	108.9
165	197	10.00	25.5	42.7	4.3	63.2	109.0
170	197	10.00	25.5	42.7	4.3	63.2	109.0
175	196	10.00	25.4	42.6	4.2	63.0	108.9

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

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Site Elevation AMSL: (1755 feet), 535 meters

Antenna HAAT: 170 meters

Antenna Center Above Sea Level: 672 meters

TV/FM Channel: 213

----- 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

180	195	10.00	25.4	42.5	4.2	62.9	108.8
185	194	10.00	25.3	42.5	4.2	62.8	108.7
190	193	10.00	25.2	42.4	4.2	62.7	108.5
195	189	10.00	25.0	42.1	4.2	62.2	108.1
200	183	10.00	24.6	41.6	4.1	61.5	107.4
205	177	10.00	24.3	41.1	4.1	60.7	106.6
210	170	10.00	23.8	40.3	4.0	59.8	105.7
215	167	10.00	23.6	40.0	4.0	59.4	105.3
220	165	10.00	23.5	39.8	3.9	59.1	105.0
225	165	10.00	23.5	39.8	3.9	59.1	105.0
230	163	10.00	23.4	39.6	3.9	58.8	104.7
235	161	10.00	23.2	39.3	3.9	58.6	104.4
240	159	10.00	23.1	39.1	3.9	58.3	104.1
245	154	10.00	22.8	38.6	3.8	57.6	103.4
250	153	10.00	22.7	38.4	3.8	57.4	103.3
255	155	10.00	22.8	38.7	3.8	57.7	103.6
260	157	10.00	23.0	38.9	3.9	58.0	103.8
265	155	10.00	22.8	38.7	3.8	57.7	103.6
270	155	10.00	22.8	38.7	3.8	57.7	103.6
275	155	10.00	22.8	38.7	3.8	57.7	103.6
280	152	10.00	22.6	38.3	3.8	57.3	103.1
285	146	10.00	22.2	37.6	3.7	56.5	102.3
290	142	10.00	22.0	37.2	3.7	55.9	101.7
295	143	10.00	22.0	37.3	3.7	56.1	101.8
300	141	10.00	21.9	37.0	3.7	55.8	101.5
305	140	10.00	21.8	36.9	3.7	55.6	101.4
310	138	10.00	21.7	36.7	3.6	55.4	101.1
315	137	10.00	21.6	36.6	3.6	55.2	100.9
320	143	10.00	22.0	37.3	3.7	56.1	101.8
325	145	10.00	22.2	37.5	3.7	56.3	102.1
330	151	10.00	22.6	38.2	3.8	57.1	103.0
335	152	10.00	22.6	38.3	3.8	57.3	103.1
340	142	10.00	22.0	37.2	3.7	55.9	101.7
345	141	10.00	21.9	37.0	3.7	55.8	101.5
350	145	10.00	22.2	37.5	3.7	56.3	102.1
355	151	10.00	22.6	38.2	3.8	57.1	103.0