

Larry Waggoner

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

Site Coordinates: 35-37-16 North 99-22-32 West

NGDC 30-Second Database for Continental US.

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

Site Elevation AMSL: (1801 feet), 549 meters

Antenna HAAT: 90 meters

Antenna Center Above Sea Level: 647 meters

TV/FM Channel: 210

----- 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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125	117	26.50	25.2	42.0	4.5	64.0	118.1
126	117	26.50	25.2	42.0	4.5	64.0	118.1
127	115	26.50	25.0	41.7	4.4	63.6	117.8
128	113	26.50	24.8	41.4	4.4	63.3	117.4
129	112	26.50	24.7	41.3	4.4	63.1	117.2
130	110	26.50	24.5	41.0	4.3	62.8	116.9
131	109	26.50	24.4	40.9	4.3	62.6	116.7
132	108	26.50	24.3	40.7	4.3	62.4	116.5
133	107	26.50	24.2	40.6	4.3	62.2	116.4
134	106	26.50	24.1	40.4	4.2	62.0	116.2
135	105	26.50	24.0	40.3	4.2	61.9	116.0
136	104	26.50	23.9	40.1	4.2	61.7	115.8
137	104	26.50	23.9	40.1	4.2	61.7	115.8
138	103	26.50	23.8	40.0	4.2	61.5	115.6
139	102	26.50	23.6	39.8	4.2	61.3	115.5
140	102	26.50	23.6	39.8	4.2	61.3	115.5
141	101	26.50	23.5	39.7	4.1	61.1	115.3
142	99	26.50	23.3	39.3	4.1	60.7	114.9
143	98	26.50	23.2	39.1	4.1	60.5	114.7
144	97	26.50	23.1	38.9	4.1	60.3	114.6
145	95	26.50	22.9	38.6	4.0	59.9	114.2
146	94	26.50	22.7	38.4	4.0	59.7	114.1
147	93	26.50	22.6	38.2	4.0	59.5	113.9
148	92	26.50	22.5	38.0	4.0	59.3	113.7
149	91	26.50	22.4	37.8	3.9	59.1	113.5
150	91	26.50	22.4	37.8	3.9	59.1	113.5
151	90	26.50	22.3	37.6	3.9	58.9	113.3
152	90	26.50	22.3	37.6	3.9	58.9	113.3
153	89	26.50	22.1	37.4	3.9	58.7	113.2
154	89	26.50	22.1	37.4	3.9	58.7	113.2
155	88	26.50	22.0	37.2	3.9	58.5	113.0
156	87	26.50	21.9	37.0	3.8	58.3	112.8
157	86	26.50	21.8	36.8	3.8	58.0	112.6
158	85	26.50	21.7	36.6	3.8	57.8	112.4
159	83	26.50	21.4	36.2	3.7	57.4	112.0
160	82	26.50	21.3	36.0	3.7	57.2	111.8