

Larry Waggoner

Project: AFRNORM Curves: VHF Low Band for 88 MHz to 108 MHz

Site Coordinates: 35-13-57 North 97-22-35 West

NGDC 30-Second Database for Continental US.

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

Site Elevation AMSL: (1135 feet), 346 meters

Antenna HAAT: 100 meters

Antenna Center Above Sea Level: 445 meters

TV/FM Channel: 207

----- DISTANCES TO CONTOURS IN KILOMETERS -----								
AZM	HAAT	ERP	70 dB	60 dB	100 dB	80 dB	54 dB	40 dB
(deg)	(m)	(kW)	(km)	(km)	(km)	(km)	(km)	(km)
			50,50	50,50	50,10	50,10	50,10	50,10
0	98	1.000	10.2	18.3	1.6	5.8	27.1	59.8
5	98	1.000	10.2	18.3	1.6	5.8	27.1	59.8
10	100	1.000	10.3	18.5	1.6	5.8	27.4	60.2
15	96	1.000	10.1	18.1	1.6	5.7	26.8	59.4
20	93	1.000	10.0	17.8	1.6	5.6	26.3	58.8
25	96	1.000	10.1	18.1	1.6	5.7	26.8	59.4
30	96	1.000	10.1	18.1	1.6	5.7	26.8	59.4
35	96	1.000	10.1	18.1	1.6	5.7	26.8	59.4
40	101	1.000	10.4	18.6	1.6	5.9	27.5	60.4
45	104	1.000	10.5	18.9	1.6	6.0	27.9	61.0
50	105	1.000	10.6	19.0	1.6	6.0	28.1	61.2
55	110	1.000	10.8	19.5	1.6	6.1	28.7	62.1
60	110	1.000	10.8	19.5	1.6	6.1	28.7	62.1
65	107	1.000	10.7	19.2	1.6	6.0	28.3	61.5
70	108	1.000	10.7	19.3	1.6	6.1	28.5	61.7
75	111	1.000	10.8	19.6	1.6	6.1	28.9	62.2
80	111	1.000	10.8	19.6	1.6	6.1	28.9	62.2
85	114	1.000	11.0	19.8	1.7	6.2	29.3	62.8
90	117	1.000	11.1	20.1	1.7	6.3	29.7	63.3
95	125	1.000	11.5	20.7	1.7	6.5	30.7	64.6
100	119	1.000	11.2	20.3	1.7	6.4	29.9	63.6
105	113	1.000	10.9	19.7	1.7	6.2	29.1	62.6
110	111	1.000	10.8	19.6	1.6	6.1	28.9	62.2
115	110	1.000	10.8	19.5	1.6	6.1	28.7	62.1
120	110	1.000	10.8	19.5	1.6	6.1	28.7	62.1
125	106	1.000	10.6	19.1	1.6	6.0	28.2	61.4
130	100	1.000	10.3	18.5	1.6	5.8	27.4	60.2
135	99	1.000	10.3	18.4	1.6	5.8	27.2	60.0
140	94	1.000	10.0	17.9	1.6	5.7	26.5	59.0
145	96	1.000	10.1	18.1	1.6	5.7	26.8	59.4
150	97	1.000	10.2	18.2	1.6	5.7	26.9	59.6
155	98	1.000	10.2	18.3	1.6	5.8	27.1	59.8
160	99	1.000	10.3	18.4	1.6	5.8	27.2	60.0
165	102	1.000	10.4	18.7	1.6	5.9	27.7	60.6
170	101	1.000	10.4	18.6	1.6	5.9	27.5	60.4
175	99	1.000	10.3	18.4	1.6	5.8	27.2	60.0