

Larry Waggoner

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

Site Coordinates: 38-07-03 North 95-33-07 West

NGDC 30-Second Database for Continental US.

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

Site Elevation AMSL: (1102 feet), 336 meters

Antenna HAAT: 161 meters

Antenna Center Above Sea Level: 479 meters

TV/FM Channel: 249

----- 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	135	27.50	27.0	44.8	4.8	15.6	67.5	121.9
5	132	27.50	26.8	44.4	4.8	15.4	67.0	121.5
10	133	27.50	26.9	44.5	4.8	15.5	67.2	121.6
15	136	27.50	27.1	44.9	4.8	15.7	67.7	122.1
20	139	27.50	27.4	45.3	4.9	15.9	68.2	122.6
25	145	27.50	27.9	46.1	5.0	16.3	69.1	123.5
30	146	27.50	28.0	46.2	5.0	16.4	69.3	123.6
35	145	27.50	27.9	46.1	5.0	16.3	69.1	123.5
40	149	27.50	28.2	46.6	5.1	16.6	69.7	124.0
45	152	27.50	28.5	46.9	5.1	16.8	70.2	124.5
50	152	27.50	28.5	46.9	5.1	16.8	70.2	124.5
55	149	27.50	28.2	46.6	5.1	16.6	69.7	124.0
60	152	27.50	28.5	46.9	5.1	16.8	70.2	124.5
65	155	27.50	28.8	47.3	5.2	17.0	70.6	124.9
70	157	27.50	28.9	47.6	5.2	17.1	70.9	125.2
75	156	27.50	28.8	47.4	5.2	17.1	70.8	125.1
80	156	27.50	28.8	47.4	5.2	17.1	70.8	125.1
85	154	27.50	28.7	47.2	5.1	16.9	70.5	124.8
90	153	27.50	28.6	47.1	5.1	16.8	70.3	124.6
95	152	27.50	28.5	46.9	5.1	16.8	70.2	124.5
100	152	27.50	28.5	46.9	5.1	16.8	70.2	124.5
105	154	27.50	28.7	47.2	5.1	16.9	70.5	124.8
110	156	27.50	28.8	47.4	5.2	17.1	70.8	125.1
115	159	27.50	29.1	47.8	5.2	17.3	71.2	125.5
120	160	27.50	29.2	47.9	5.2	17.3	71.3	125.6
125	162	27.50	29.4	48.2	5.3	17.5	71.6	125.9
130	163	27.50	29.4	48.3	5.3	17.6	71.8	126.1
135	165	27.50	29.6	48.5	5.3	17.7	72.0	126.3
140	167	27.50	29.8	48.8	5.3	17.8	72.3	126.6
145	170	27.50	30.0	49.1	5.4	18.0	72.7	127.0
150	170	27.50	30.0	49.1	5.4	18.0	72.7	127.0
155	173	27.50	30.3	49.5	5.4	18.3	73.1	127.4
160	176	27.50	30.5	49.8	5.5	18.5	73.5	127.8
165	178	27.50	30.7	50.0	5.5	18.6	73.8	128.1
170	180	27.50	30.8	50.3	5.5	18.7	74.1	128.3
175	182	27.50	31.0	50.4	5.6	18.9	74.3	128.6

Larry Waggoner

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

Site Coordinates: 38-07-03 North 95-33-07 West

NGDC 30-Second Database for Continental US.

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

Site Elevation AMSL: (1102 feet), 336 meters

Antenna HAAT: 161 meters

Antenna Center Above Sea Level: 479 meters

TV/FM Channel: 249

----- 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
180	182	27.50	31.0	50.4	5.6	18.9	74.3	128.6
185	181	27.50	30.9	50.3	5.5	18.8	74.2	128.4
190	181	27.50	30.9	50.3	5.5	18.8	74.2	128.4
195	180	27.50	30.8	50.3	5.5	18.7	74.1	128.3
200	178	27.50	30.7	50.0	5.5	18.6	73.8	128.1
205	178	27.50	30.7	50.0	5.5	18.6	73.8	128.1
210	176	27.50	30.5	49.8	5.5	18.5	73.5	127.8
215	174	27.50	30.4	49.6	5.4	18.3	73.3	127.5
220	173	27.50	30.3	49.5	5.4	18.3	73.1	127.4
225	173	27.50	30.3	49.5	5.4	18.3	73.1	127.4
230	174	27.50	30.4	49.6	5.4	18.3	73.3	127.5
235	171	27.50	30.1	49.2	5.4	18.1	72.9	127.1
240	172	27.50	30.2	49.3	5.4	18.2	73.0	127.3
245	175	27.50	30.4	49.7	5.5	18.4	73.4	127.7
250	175	27.50	30.4	49.7	5.5	18.4	73.4	127.7
255	174	27.50	30.4	49.6	5.4	18.3	73.3	127.5
260	176	27.50	30.5	49.8	5.5	18.5	73.5	127.8
265	174	27.50	30.4	49.6	5.4	18.3	73.3	127.5
270	173	27.50	30.3	49.5	5.4	18.3	73.1	127.4
275	168	27.50	29.9	48.9	5.4	17.9	72.5	126.7
280	169	27.50	29.9	49.0	5.4	18.0	72.6	126.9
285	171	27.50	30.1	49.2	5.4	18.1	72.9	127.1
290	168	27.50	29.9	48.9	5.4	17.9	72.5	126.7
295	165	27.50	29.6	48.5	5.3	17.7	72.0	126.3
300	161	27.50	29.3	48.0	5.3	17.4	71.5	125.8
305	157	27.50	28.9	47.6	5.2	17.1	70.9	125.2
310	157	27.50	28.9	47.6	5.2	17.1	70.9	125.2
315	154	27.50	28.7	47.2	5.1	16.9	70.5	124.8
320	153	27.50	28.6	47.1	5.1	16.8	70.3	124.6
325	154	27.50	28.7	47.2	5.1	16.9	70.5	124.8
330	152	27.50	28.5	46.9	5.1	16.8	70.2	124.5
335	150	27.50	28.3	46.7	5.1	16.6	69.9	124.2
340	147	27.50	28.1	46.3	5.0	16.4	69.4	123.7
345	147	27.50	28.1	46.3	5.0	16.4	69.4	123.7
350	143	27.50	27.7	45.8	5.0	16.2	68.8	123.2
355	139	27.50	27.4	45.3	4.9	15.9	68.2	122.6