

Larry Waggoner

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

Site Coordinates: 39-03-10 North 93-16-01 West

NGDC 30-Second Database for Continental US.

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

Site Elevation AMSL: (692 feet), 211 meters

Antenna HAAT: 299 meters

Antenna Center Above Sea Level: 520 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	303	100.00	50.3	72.5	10.2	33.8	105.5	172.3
185	305	100.00	50.4	72.7	10.2	33.9	105.8	172.5
190	308	100.00	50.6	72.9	10.2	34.1	106.2	172.9
195	309	100.00	50.7	73.0	10.3	34.2	106.3	173.0
200	310	100.00	50.7	73.0	10.3	34.2	106.5	173.2
205	308	100.00	50.6	72.9	10.2	34.1	106.2	172.9
210	308	100.00	50.6	72.9	10.2	34.1	106.2	172.9
215	309	100.00	50.7	73.0	10.3	34.2	106.3	173.0
220	309	100.00	50.7	73.0	10.3	34.2	106.3	173.0
225	304	100.00	50.3	72.6	10.2	33.9	105.7	172.4
230	301	100.00	50.2	72.3	10.1	33.7	105.3	172.0
235	299	100.00	50.0	72.2	10.1	33.6	105.0	171.8
240	299	100.00	50.0	72.2	10.1	33.6	105.0	171.8
245	301	100.00	50.2	72.3	10.1	33.7	105.3	172.0
250	300	100.00	50.1	72.3	10.1	33.6	105.1	171.9
255	298	100.00	49.9	72.1	10.1	33.5	104.9	171.7
260	296	100.00	49.8	72.0	10.1	33.4	104.7	171.5
265	293	100.00	49.6	71.7	10.0	33.2	104.4	171.2
270	291	100.00	49.5	71.6	10.0	33.1	104.3	171.1
275	287	100.00	49.2	71.3	9.9	32.9	103.9	170.7
280	282	100.00	48.8	70.9	9.8	32.6	103.4	170.2
285	279	100.00	48.6	70.6	9.8	32.4	103.1	170.0
290	278	100.00	48.6	70.6	9.7	32.3	103.0	169.9
295	279	100.00	48.6	70.6	9.8	32.4	103.1	170.0
300	280	100.00	48.7	70.7	9.8	32.5	103.2	170.0
305	283	100.00	48.9	71.0	9.8	32.6	103.5	170.3
310	287	100.00	49.2	71.3	9.9	32.9	103.9	170.7
315	288	100.00	49.3	71.3	9.9	32.9	104.0	170.8
320	293	100.00	49.6	71.7	10.0	33.2	104.4	171.2
325	296	100.00	49.8	72.0	10.1	33.4	104.7	171.5
330	295	100.00	49.7	71.9	10.0	33.3	104.6	171.4
335	296	100.00	49.8	72.0	10.1	33.4	104.7	171.5
340	298	100.00	49.9	72.1	10.1	33.5	104.9	171.7
345	294	100.00	49.7	71.8	10.0	33.3	104.5	171.3
350	296	100.00	49.8	72.0	10.1	33.4	104.7	171.5
355	300	100.00	50.1	72.3	10.1	33.6	105.1	171.9