

Larry Waggoner

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

Site Coordinates: 39-00-53 North 96-52-15 West

NGDC 30-Second Database for Continental US.

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

Site Elevation AMSL: (1234 feet), 376 meters

Antenna HAAT: 299 meters

Antenna Center Above Sea Level: 661 meters

TV/FM Channel: 248

----- 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

45	315	100.00	51.0	73.4	10.3	34.5	107.1	173.8
50	326	100.00	51.7	74.2	10.5	35.2	108.6	175.1
55	338	100.00	52.5	75.1	10.7	35.9	110.1	176.6
60	335	100.00	52.3	74.9	10.6	35.7	109.7	176.2
65	326	100.00	51.7	74.2	10.5	35.2	108.6	175.1
70	318	100.00	51.2	73.6	10.4	34.7	107.5	174.2
75	311	100.00	50.8	73.1	10.3	34.3	106.6	173.3
80	308	100.00	50.6	72.9	10.2	34.1	106.2	172.9
85	303	100.00	50.3	72.5	10.2	33.8	105.5	172.3
90	298	100.00	49.9	72.1	10.1	33.5	104.9	171.7
95	292	100.00	49.5	71.7	10.0	33.2	104.4	171.2
100	289	100.00	49.3	71.4	9.9	33.0	104.1	170.9
105	293	100.00	49.6	71.7	10.0	33.2	104.4	171.2
110	291	100.00	49.5	71.6	10.0	33.1	104.3	171.1
115	284	100.00	49.0	71.0	9.9	32.7	103.6	170.4
120	289	100.00	49.3	71.4	9.9	33.0	104.1	170.9
125	290	100.00	49.4	71.5	10.0	33.0	104.2	171.0
130	292	100.00	49.5	71.7	10.0	33.2	104.4	171.2
135	289	100.00	49.3	71.4	9.9	33.0	104.1	170.9
140	287	100.00	49.2	71.3	9.9	32.9	103.9	170.7
145	287	100.00	49.2	71.3	9.9	32.9	103.9	170.7
150	291	100.00	49.5	71.6	10.0	33.1	104.3	171.1
155	289	100.00	49.3	71.4	9.9	33.0	104.1	170.9
160	290	100.00	49.4	71.5	10.0	33.0	104.2	171.0
165	294	100.00	49.7	71.8	10.0	33.3	104.5	171.3
170	293	100.00	49.6	71.7	10.0	33.2	104.4	171.2
175	295	100.00	49.7	71.9	10.0	33.3	104.6	171.4
180	299	100.00	50.0	72.2	10.1	33.6	105.0	171.8
185	301	100.00	50.2	72.3	10.1	33.7	105.3	172.0
190	306	100.00	50.5	72.7	10.2	34.0	105.9	172.6
195	313	100.00	50.9	73.3	10.3	34.4	106.9	173.5
200	304	100.00	50.3	72.6	10.2	33.9	105.7	172.4
205	300	100.00	50.1	72.3	10.1	33.6	105.1	171.9
210	298	100.00	49.9	72.1	10.1	33.5	104.9	171.7
215	294	100.00	49.7	71.8	10.0	33.3	104.5	171.3
220	296	100.00	49.8	72.0	10.1	33.4	104.7	171.5

The above KJCK-FM contour data was calculated for a maximum Class C1.