

KJIH SITE CHANGE CONTOUR DATA

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

Site Coordinates: 39-20-27 North 96-31-06 West

NGDC 30-Second Database for Continental US.

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

Site Elevation AMSL: (1381 feet), 421 meters

Antenna HAAT: 92 meters

Antenna Center Above Sea Level: 474 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
0	54	3.500	10.5	18.6	1.9	27.5	67.8
5	53	3.500	10.4	18.4	1.9	27.2	67.4
10	51	3.500	10.2	18.1	1.8	26.7	66.8
15	50	3.500	10.1	17.9	1.8	26.4	66.5
20	54	3.500	10.5	18.6	1.9	27.5	67.8
25	62	3.500	11.2	20.0	2.0	29.4	70.2
30	65	3.500	11.4	20.4	2.0	30.1	70.9
35	69	3.500	11.7	21.0	2.1	31.1	71.9
40	74	3.500	12.1	21.7	2.1	32.3	73.0
45	85	3.500	12.9	23.1	2.2	34.8	75.3
50	91	3.500	13.4	23.9	2.3	36.2	76.5
55	97	3.500	13.8	24.6	2.3	37.4	77.7
60	94	3.500	13.6	24.2	2.3	36.8	77.1
65	98	3.500	13.9	24.7	2.3	37.7	77.8
70	91	3.500	13.4	23.9	2.3	36.2	76.5
75	92	3.500	13.5	24.0	2.3	36.4	76.7
80	96	3.500	13.7	24.5	2.3	37.2	77.5
85	105	3.500	14.4	25.5	2.4	39.0	79.1
90	110	3.500	14.7	26.1	2.4	39.8	80.0
95	117	3.500	15.2	26.8	2.5	41.0	81.1
100	119	3.500	15.3	27.0	2.5	41.3	81.5
105	121	3.500	15.4	27.2	2.5	41.6	81.8
110	129	3.500	16.0	28.0	2.6	42.7	83.1
115	132	3.500	16.2	28.3	2.6	43.1	83.5
120	139	3.500	16.7	28.9	2.6	44.0	84.6
125	140	3.500	16.7	29.0	2.6	44.1	84.7
130	136	3.500	16.5	28.7	2.6	43.6	84.1
135	129	3.500	16.0	28.0	2.6	42.7	83.1
140	119	3.500	15.3	27.0	2.5	41.3	81.5
145	114	3.500	15.0	26.5	2.5	40.5	80.6
150	109	3.500	14.7	26.0	2.4	39.6	79.8
155	102	3.500	14.2	25.2	2.4	38.4	78.6
160	103	3.500	14.2	25.3	2.4	38.6	78.8
165	103	3.500	14.2	25.3	2.4	38.6	78.8
170	100	3.500	14.0	25.0	2.4	38.1	78.2
175	103	3.500	14.2	25.3	2.4	38.6	78.8

KJIH SITE CHANGE CONTOUR DATA

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

Site Coordinates: 39-20-27 North 96-31-07 West

NGDC 30-Second Database for Continental US.

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

Site Elevation AMSL: (1381 feet), 421 meters

Antenna HAAT: 92 meters

Antenna Center Above Sea Level: 474 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
180	102	3.500	14.2	25.2	2.4	38.4	78.6
185	105	3.500	14.4	25.5	2.4	39.0	79.1
190	113	3.500	14.9	26.4	2.5	40.3	80.5
195	121	3.500	15.4	27.2	2.5	41.6	81.8
200	130	3.500	16.1	28.1	2.6	42.8	83.2
205	129	3.500	16.0	28.0	2.6	42.7	83.1
210	121	3.500	15.4	27.2	2.5	41.6	81.8
215	111	3.500	14.8	26.2	2.4	40.0	80.1
220	106	3.500	14.4	25.7	2.4	39.1	79.3
225	102	3.500	14.2	25.2	2.4	38.4	78.6
230	99	3.500	14.0	24.9	2.3	37.9	78.0
235	104	3.500	14.3	25.4	2.4	38.8	78.9
240	105	3.500	14.4	25.5	2.4	39.0	79.1
245	99	3.500	14.0	24.9	2.3	37.9	78.0
250	108	3.500	14.6	25.9	2.4	39.5	79.6
255	110	3.500	14.7	26.1	2.4	39.8	80.0
260	102	3.500	14.2	25.2	2.4	38.4	78.6
265	101	3.500	14.1	25.1	2.4	38.3	78.4
270	96	3.500	13.7	24.5	2.3	37.2	77.5
275	98	3.500	13.9	24.7	2.3	37.7	77.8
280	98	3.500	13.9	24.7	2.3	37.7	77.8
285	91	3.500	13.4	23.9	2.3	36.2	76.5
290	82	3.500	12.7	22.7	2.2	34.1	74.7
295	78	3.500	12.4	22.2	2.2	33.2	73.8
300	72	3.500	12.0	21.4	2.1	31.8	72.5
305	66	3.500	11.5	20.6	2.0	30.4	71.2
310	61	3.500	11.1	19.8	2.0	29.1	69.9
315	55	3.500	10.6	18.8	1.9	27.7	68.1
320	50	3.500	10.1	17.9	1.8	26.4	66.5
325	51	3.500	10.2	18.1	1.8	26.7	66.8
330	52	3.500	10.3	18.2	1.9	27.0	67.1
335	48	3.500	9.9	17.5	1.8	25.9	65.7
340	42	3.500	9.2	16.2	1.6	24.1	63.1
345	38	3.500	8.7	15.4	1.6	22.9	61.1
350	42	3.500	9.2	16.2	1.6	24.1	63.1
355	48	3.500	9.9	17.5	1.8	25.9	65.7