

Larry Waggoner

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

Site Coordinates: 35-24-48 North 95-21-55 West

NGDC 30-Second Database for Continental US.

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

Site Elevation AMSL: (740 feet), 226 meters

Antenna HAAT: 600 meters

Antenna Center Above Sea Level: 794 meters

TV/FM Channel: 246

----- 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
260	594	100.00	67.3	91.5	13.7	50.1	136.1	197.3
265	590	100.00	67.1	91.3	13.7	49.9	135.9	197.1
270	588	100.00	67.0	91.2	13.7	49.8	135.7	196.9
275	588	100.00	67.0	91.2	13.7	49.8	135.7	196.9
280	590	100.00	67.1	91.3	13.7	49.9	135.9	197.1
285	592	100.00	67.2	91.4	13.7	50.0	136.0	197.2
290	592	100.00	67.2	91.4	13.7	50.0	136.0	197.2
295	594	100.00	67.3	91.5	13.7	50.1	136.1	197.3
300	595	100.00	67.3	91.6	13.7	50.1	136.2	197.4
305	596	100.00	67.4	91.6	13.7	50.2	136.3	197.4
310	595	100.00	67.3	91.6	13.7	50.1	136.2	197.4
315	593	100.00	67.2	91.5	13.7	50.0	136.1	197.3
320	588	100.00	67.0	91.2	13.7	49.8	135.7	196.9

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

Site Coordinates: 35-58-50 North 97-41-42 West

NGDC 30-Second Database for Continental US.

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

Site Elevation AMSL: (1152 feet), 351 meters

Antenna HAAT: 451 meters

Antenna Center Above Sea Level: 774 meters

TV/FM Channel: 245

----- 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
80	452	97.50	58.9	83.1	12.0	42.3	123.7	186.5
85	451	97.50	58.8	83.0	12.0	42.3	123.6	186.5
90	446	97.50	58.5	82.7	12.0	42.0	123.0	186.1
95	437	97.50	58.0	82.1	11.9	41.5	122.0	185.3
100	432	97.50	57.7	81.7	11.8	41.3	121.5	184.9
105	428	97.50	57.5	81.4	11.8	41.0	121.0	184.6
110	430	97.50	57.6	81.6	11.8	41.1	121.3	184.8
115	429	97.50	57.6	81.5	11.8	41.1	121.2	184.7
120	434	97.50	57.9	81.9	11.8	41.4	121.7	185.1
125	442	97.50	58.3	82.4	11.9	41.8	122.6	185.8
130	447	97.50	58.6	82.7	12.0	42.1	123.1	186.2
135	450	97.50	58.8	82.9	12.0	42.2	123.5	186.4
140	455	97.50	59.1	83.3	12.1	42.5	124.0	186.8