



AVERAGE MILEAGE TO 60DBU CONTOUR USING FCC 50/50 CURVES

Antenna H.A.A.T (in feet)	0.01kW -20dBk	0.1kW -10dBk	0.5kW -3dbk	1 kW 0dBk	1.5kW 1.8dBk	3kW 4.8dBk	6kW 7.8dBk	10kW 10dBk	25kW 14dBk	50kW 17dBk	100kW 20dBk
100	2.1	3.6	5.4	6.4	7.1	8.4	9.9	11.2	14	16.5	19.3
150	2.5	4.4	6.7	7.9	8.8	10.4	12.3	13.9	17.2	20	23.2
200	2.9	5.1	7.7	9.2	10.1	12	14.2	15.9	19.5	22.6	26
250	3.2	5.7	8.6	10.2	11.3	13.4	15.7	17.6	21.4	24.7	28.3
300	3.5	6.3	9.4	11.2	12.3	14.5	17	19	23.1	26.5	30.2
350	3.8	6.8	10.2	12	13.3	15.6	18.2	20.3	24.5	28.1	31.9
400	4	7.2	10.9	12.8	14.1	16.6	19.3	21.5	25.9	29.5	33.4
450	4.2	7.7	11.5	13.6	14.9	17.5	20.3	22.6	27.1	30.8	34.8
500	4.4	8.1	12.1	14.3	15.7	18.3	21.3	23.6	28.2	32	36
550	4.7	8.5	12.7	15	16.4	19.1	22.2	24.6	29.3	33.1	37.2
600	4.9	8.9	13.3	15.6	17.1	19.9	23	25.5	30.2	34.2	38.3
650	5	9.3	13.8	16.2	17.8	20.6	23.8	26.3	31.2	35.2	39.4
700	5.2	9.6	14.3	16.8	18.4	21.3	24.6	27.1	32.1	36.1	40.4
750	5.4	10	14.8	17.4	19	22	25.3	27.9	32.9	37	41.3
800	5.6	10.3	15.3	17.9	19.6	22.6	26	28.7	33.8	37.9	42.3
850	5.7	10.6	15.7	18.4	20.1	23.3	26.7	29.4	34.6	38.7	43.1
900	5.9	10.9	16.2	18.9	20.7	23.9	27.3	30.1	35.3	39.5	44
950	6	11.2	16.6	19.4	21.2	24.4	28	30.8	36.1	40.3	44.8
1000	6.2	11.5	17	19.9	21.7	25	28.6	31.4	36.8	41.1	45.6
1050	6.3	11.8	17.4	20.4	22.2	25.6	29.2	32	37.4	41.8	46.3
1100	6.4	12.1	17.8	20.8	22.7	26.1	29.8	32.6	38.1	42.5	47
1150	6.6	12.4	18.2	21.2	23.1	26.6	30.3	33.2	38.8	43.2	47.7
1200	6.7	12.6	18.6	21.7	23.6	27.1	30.9	33.8	39.4	43.8	48.4
1250	6.8	12.9	19	22.1	24	27.6	31.4	34.4	40	44.4	49.1
1300	6.9	13.2	19.3	22.5	24.5	28.1	31.9	34.9	40.6	45.1	49.7
1350	7.1	13.4	19.7	22.9	24.9	28.5	32.4	35.4	41.1	45.6	50.3
1400	7.2	13.6	20	23.3	25.3	29	32.9	36	41.7	46.2	50.9
1450	7.3	13.9	20.4	23.7	25.7	29.4	33.4	36.5	42.2	46.8	51.5
1500	7.4	14.1	20.7	24	26.1	29.9	33.9	37	42.8	47.3	52.1
1550	7.5	14.3	21	24.4	26.5	30.3	34.3	37.4	43.3	47.9	52.6
1600	7.6	14.6	21.4	24.8	26.9	30.7	34.8	37.9	43.8	48.4	53.2
1650	7.7	14.8	21.7	25.1	27.3	31.1	35.2	38.4	44.3	48.9	53.7
1700	7.8	15	22	25.5	27.6	31.5	35.6	38.8	44.7	49.4	54.2
1750	7.9	15.2	22.3	25.8	28	31.9	36.1	39.2	45.2	49.9	54.7



1800	8	15.4	22.6	26.1	28.3	32.3	36.5	39.7	45.6	50.3	55.2
1850	8.1	15.6	22.9	26.5	28.7	32.7	36.9	40.1	46.1	50.8	55.6
1900	8.1	15.8	23.2	26.8	29	33	37.3	40.5	46.5	51.2	56.1
1950	8.2	16	23.4	27.1	29.3	33.4	37.6	40.9	46.9	51.7	56.5
2000	8.3	16.2	23.7	27.4	29.7	33.7	38	41.3	47.3	52.1	57
2050	8.4	16.4	24	27.7	30	34.1	38.4	41.7	47.7	52.5	57.4
2100	8.5	16.6	24.2	28	30.3	34.4	38.7	42	48.1	52.9	57.8
2150	8.5	16.8	24.5	28.3	30.6	34.8	39.1	42.4	48.5	53.3	58.2
2200	8.6	16.9	24.8	28.6	30.9	35.1	39.4	42.7	48.9	53.7	58.6
2250	8.7	17.1	25	28.9	31.2	35.4	39.8	43.1	49.3	54.1	59
2300	8.8	17.3	25.3	29.1	31.5	35.7	40.1	43.4	49.6	54.4	59.4
2350	8.8	17.5	25.5	29.4	31.8	36	40.4	43.8	50	54.8	59.7
2400	8.9	17.6	25.7	29.7	32.1	36.3	40.8	44.1	50.3	55.1	60.1
2450	9	17.8	26	29.9	32.3	36.6	41.1	44.4	50.6	55.5	60.4
2500	9	18	26.2	30.2	32.6	36.9	41.4	44.7	51	55.8	60.8
2550	9.1	18.1	26.5	30.5	32.9	37.2	41.7	45.1	51.3	56.1	61.1
2600	9.1	18.3	26.7	30.7	33.2	37.5	42	45.4	51.6	56.5	61.4
2650	9.2	18.4	26.9	30.9	33.4	37.8	42.3	45.7	51.9	56.8	61.8
2700	9.3	18.6	27.1	31.2	33.7	38	42.5	45.9	52.2	57.1	62.1
2750	9.3	18.7	27.3	31.4	33.9	38.3	42.8	46.2	52.5	57.4	62.4
2800	9.4	18.9	27.6	31.7	34.2	38.6	43.1	46.5	52.8	57.7	62.7
2850	9.4	19	27.8	31.9	34.4	38.8	43.4	46.8	53.1	58	63
2900	9.5	19.2	28	32.1	34.6	39.1	43.6	47.1	53.4	58.2	63.2
2950	9.5	19.3	28.2	32.4	34.9	39.3	43.9	47.3	53.6	58.5	63.5
3000	9.6	19.5	28.4	32.6	35.1	39.6	44.1	47.6	53.9	58.8	63.8

For more specific information concerning signal strength, contact ERI or a consulting broadcast engineer.

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