

AVERAGE MILEAGE TO 54DBU 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	2.9	5.1	7.6	9	9.9	11.7	13.8	15.6	19.3	22.6	26.3
150	3.5	6.3	9.4	11.2	12.3	14.5	17	19	23.2	26.8	30.7
200	4	7.3	10.9	12.9	14.2	16.6	19.3	21.6	26	29.8	33.9
250	4.5	8.1	12.1	14.3	15.7	18.3	21.2	23.6	28.3	32.2	36.3
300	4.9	8.9	13.2	15.5	17	19.8	22.9	25.3	30.2	34.2	38.4
350	5.3	9.6	14.2	16.6	18.2	21.1	24.3	26.9	31.9	35.9	40.3
400	5.7	10.3	15.1	17.7	19.3	22.3	25.6	28.3	33.4	37.5	41.9
450	6.1	10.9	15.9	18.6	20.3	23.4	26.8	29.5	34.7	39	43.4
500	6.4	11.5	16.7	19.5	21.3	24.5	28	30.7	36	40.3	44.8
550	6.7	12	17.5	20.3	22.2	25.4	29	31.8	37.2	41.5	46.1
600	7	12.6	18.2	21.1	23	26.3	30	32.9	38.3	42.7	47.3
650	7.3	13.1	18.9	21.9	23.8	27.2	30.9	33.8	39.4	43.8	48.4
700	7.6	13.6	19.5	22.6	24.6	28.1	31.8	34.8	40.4	44.8	49.5
750	7.8	14	20.2	23.3	25.3	28.9	32.7	35.7	41.3	45.8	50.5
800	8.1	14.5	20.8	24	26	29.6	33.5	36.5	42.2	46.8	51.5
850	8.4	14.9	21.4	24.6	26.7	30.4	34.3	37.3	43.1	47.7	52.4
900	8.6	15.3	21.9	25.3	27.3	31.1	35.1	38.1	43.9	48.6	53.3
950	8.8	15.8	22.5	25.9	28	31.7	35.8	38.9	44.8	49.4	54.2
1000	9.1	16.2	23	26.4	28.6	32.4	36.5	39.6	45.5	50.2	55
1050	9.3	16.6	23.5	27	29.2	33.1	37.2	40.3	46.3	51	55.8
1100	9.5	16.9	24	27.6	29.8	33.7	37.8	41	47	51.7	56.6
1150	9.7	17.3	24.5	28.1	30.3	34.3	38.5	41.7	47.7	52.4	57.3
1200	9.9	17.7	25	28.6	30.9	34.9	39.1	42.3	48.4	53.1	58.1
1250	10.1	18	25.5	29.1	31.4	35.4	39.7	43	49	53.8	58.7
1300	10.3	18.4	25.9	29.6	31.9	36	40.3	43.6	49.7	54.5	59.4
1350	10.5	18.7	26.4	30.1	32.4	36.5	40.8	44.1	50.3	55.1	60.1
1400	10.7	19	26.8	30.6	32.9	37	41.4	44.7	50.9	55.7	60.7
1450	10.9	19.4	27.2	31	33.4	37.6	41.9	45.3	51.5	56.3	61.3

1500	11	19.7	27.6	31.5	33.9	38.1	42.5	45.8	52	56.9	61.9
1550	11.2	20	28	31.9	34.3	38.5	43	46.3	52.6	57.5	62.5
1600	11.4	20.3	28.4	32.3	34.8	39	43.5	46.9	53.1	58	63.1
1650	11.6	20.6	28.8	32.8	35.2	39.5	44	47.4	53.6	58.6	63.6
1700	11.7	20.9	29.2	33.2	35.6	39.9	44.4	47.8	54.2	59.1	64.2
1750	11.9	21.2	29.6	33.6	36.1	40.4	44.9	48.3	54.7	59.6	64.7
1800	12	21.5	29.9	34	36.5	40.8	45.3	48.8	55.1	60.1	65.2
1850	12.2	21.7	30.3	34.4	36.9	41.2	45.8	49.2	55.6	60.6	65.7
1900	12.3	22	30.6	34.7	37.3	41.6	46.2	49.7	56.1	61	66.2
1950	12.5	22.3	31	35.1	37.6	42	46.6	50.1	56.5	61.5	66.6
2000	12.6	22.6	31.3	35.5	38	42.4	47	50.5	56.9	61.9	67.1
2050	12.8	22.8	31.6	35.8	38.4	42.8	47.4	50.9	57.4	62.4	67.5
2100	12.9	23.1	32	36.2	38.7	43.2	47.8	51.3	57.8	62.8	68
2150	13.1	23.3	32.3	36.5	39.1	43.6	48.2	51.7	58.2	63.2	68.4
2200	13.2	23.6	32.6	36.8	39.4	43.9	48.6	52.1	58.6	63.6	68.8
2250	13.3	23.8	32.9	37.2	39.8	44.3	48.9	52.5	59	64	69.2
2300	13.5	24	33.2	37.5	40.1	44.6	49.3	52.8	59.3	64.4	69.6
2350	13.6	24.3	33.5	37.8	40.4	45	49.7	53.2	59.7	64.8	70
2400	13.7	24.5	33.8	38.1	40.8	45.3	50	53.5	60.1	65.1	70.4
2450	13.8	24.7	34.1	38.4	41.1	45.6	50.3	53.9	60.4	65.5	70.7
2500	14	25	34.4	38.7	41.4	45.9	50.7	54.2	60.7	65.8	71.1
2550	14.1	25.2	34.6	39	41.7	46.2	51	54.5	61.1	66.2	71.4
2600	14.2	25.4	34.9	39.3	42	46.6	51.3	54.9	61.4	66.5	71.8
2650	14.3	25.6	35.2	39.6	42.3	46.9	51.6	55.2	61.7	66.8	72.1
2700	14.4	25.8	35.4	39.9	42.5	47.1	51.9	55.5	62	67.2	72.4
2750	14.5	26	35.7	40.1	42.8	47.4	52.2	55.8	62.3	67.5	72.8
2800	14.6	26.2	35.9	40.4	43.1	47.7	52.5	56.1	62.6	67.8	73.1
2850	14.8	26.4	36.2	40.7	43.4	48	52.8	56.3	62.9	68.1	73.4
2900	14.9	26.6	36.4	40.9	43.6	48.3	53	56.6	63.2	68.4	73.7
2950	15	26.8	36.7	41.2	43.9	48.5	53.3	56.9	63.5	68.6	74
3000	15.1	27	36.9	41.4	44.1	48.8	53.6	57.2	63.8	68.9	74.3

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

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