

SCALA
Model CA2-CP RM Circularly Polarized FM Antenna



Frequency = 97.5 Mhz
Interfering Contour 114.4 dBu (50,10)

ERP= 250 watts
Height = 111 m AGL

Depression Angle	Relative Field (o)	Effective Power (w)	Distance to Contour (m)	Distance from Antenna to Ground (m)	Clearance (m)
1	0.996	248.0	210.49	6,360.15	6150
2	0.993	246.5	209.85	3,180.56	2971
3	0.989	244.5	209.01	2,120.91	1912
4	0.986	243.0	208.38	1,591.25	1383
5	0.982	241.1	207.53	1,273.58	1066
6	0.976	238.1	206.26	1,061.91	856
7	0.970	235.2	204.99	910.81	706
8	0.964	232.3	203.73	797.57	594
9	0.958	229.4	202.46	709.56	507
10	0.952	226.6	201.19	639.22	438
11	0.945	223.3	199.71	581.73	382
12	0.937	219.5	198.02	533.88	336
13	0.930	216.2	196.54	493.44	297
14	0.922	212.5	194.85	458.83	264
15	0.915	209.3	193.37	428.87	236
16	0.905	204.8	191.26	402.70	211
17	0.895	200.3	189.14	379.65	191
18	0.885	195.8	187.03	359.20	172
19	0.876	191.8	185.13	340.94	156
20	0.866	187.5	183.02	324.54	142
21	0.852	181.5	180.06	309.74	130
22	0.838	175.6	177.10	296.31	119
23	0.824	169.7	174.14	284.08	110
24	0.810	164.0	171.18	272.90	102
25	0.796	158.4	168.22	262.65	94
26	0.780	152.1	164.84	253.21	88
27	0.765	146.3	161.67	244.50	83
28	0.749	140.3	158.29	236.44	78
29	0.734	134.7	155.12	228.96	74
30	0.718	128.9	151.74	222.00	70
31	0.700	122.5	147.93	215.52	68
32	0.682	116.3	144.13	209.47	65
33	0.664	110.2	140.33	203.80	63
34	0.646	104.3	136.52	198.50	62
35	0.628	98.6	132.72	193.52	61
36	0.608	92.4	128.49	188.84	60
37	0.588	86.4	124.26	184.44	60
38	0.568	80.7	120.04	180.29	60
39	0.548	75.1	115.81	176.38	61
40	0.528	69.7	111.58	172.69	61
41	0.507	64.3	107.15	169.19	62
42	0.486	59.0	102.71	165.89	63
43	0.465	54.1	98.27	162.76	64
44	0.444	49.3	93.83	159.79	66
45	0.423	44.7	89.39	156.98	68

Depression Angle	Relative Field	Effective Power (w)	Distance to Contour (m)	Distance from Antenna to Ground (m)	Clearance (m)
46	0.405	41.0	85.59	154.31	69
47	0.386	37.2	81.58	151.77	70
48	0.367	33.7	77.56	149.37	72
49	0.348	30.3	73.54	147.08	74
50	0.329	27.1	69.53	144.90	75
51	0.313	24.5	66.15	142.83	77
52	0.296	21.9	62.55	140.86	78
53	0.280	19.6	59.17	138.99	80
54	0.263	17.3	55.58	137.20	82
55	0.247	15.3	52.20	135.51	83
56	0.235	13.8	49.66	133.89	84
57	0.224	12.5	47.34	132.35	85
58	0.213	11.3	45.01	130.89	86
59	0.201	10.1	42.48	129.50	87
60	0.190	9.0	40.15	128.17	88
61	0.180	8.1	38.04	126.91	89
62	0.171	7.3	36.18	125.72	90
63	0.161	6.5	34.02	124.58	91
64	0.151	5.7	31.91	123.50	92
65	0.142	5.0	30.01	122.47	92
66	0.140	4.9	29.59	121.50	92
67	0.139	4.8	29.38	120.59	91
68	0.137	4.7	28.95	119.72	91
69	0.136	4.6	28.74	118.90	90
70	0.134	4.5	28.32	118.12	90
71	0.134	4.5	28.32	117.40	89
72	0.134	4.5	28.32	116.71	88
73	0.135	4.6	28.53	116.07	88
74	0.135	4.6	28.53	115.47	87
75	0.135	4.6	28.53	114.92	86
76	0.136	4.6	28.74	114.40	86
77	0.138	4.8	29.16	113.92	85
78	0.139	4.8	29.38	113.48	84
79	0.140	4.9	29.59	113.08	83
80	0.142	5.0	30.01	112.71	83
81	0.143	5.1	30.22	112.38	82
82	0.145	5.3	30.64	112.09	81
83	0.147	5.4	31.07	111.83	81
84	0.148	5.5	31.28	111.61	80
85	0.150	5.6	31.70	111.42	80
86	0.151	5.7	31.91	111.27	79
87	0.153	5.9	32.33	111.15	79
88	0.154	5.9	32.55	111.07	79
89	0.156	6.1	32.97	111.02	78
90	0.157	6.2	0.00	111.00	111

NOTES:

- HEIGHT HAS BEEN REDUCED BY 2 METERS TO ALLOW FOR HUMAN EXPOSURE

- DISTANCE FROM ANTENNA TO GROUND IS ACTUALLY TO A POINT 2 METERS ABOVE GROUND