

**SCALA**  
Model CA2-CP RM Circularly Polarized FM Antenna



Frequency = 92.1 Mhz  
Interfering Contour 117.9 dBu (50,10)

ERP= 250 watts  
Height = 114 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	140.68	6,532.05	6391
2	0.993	246.5	140.26	3,266.52	3126
3	0.989	244.5	139.69	2,178.23	2039
4	0.986	243.0	139.27	1,634.26	1495
5	0.982	241.1	138.70	1,308.00	1169
6	0.976	238.1	137.85	1,090.61	953
7	0.970	235.2	137.01	935.43	798
8	0.964	232.3	136.16	819.12	683
9	0.958	229.4	135.31	728.74	593
10	0.952	226.6	134.46	656.50	522
11	0.945	223.3	133.48	597.46	464
12	0.937	219.5	132.35	548.31	416
13	0.930	216.2	131.36	506.78	375
14	0.922	212.5	130.23	471.23	341
15	0.915	209.3	129.24	440.46	311
16	0.905	204.8	127.83	413.59	286
17	0.895	200.3	126.41	389.91	264
18	0.885	195.8	125.00	368.91	244
19	0.876	191.8	123.73	350.16	226
20	0.866	187.5	122.32	333.31	211
21	0.852	181.5	120.34	318.11	198
22	0.838	175.6	118.36	304.32	186
23	0.824	169.7	116.39	291.76	175
24	0.810	164.0	114.41	280.28	166
25	0.796	158.4	112.43	269.75	157
26	0.780	152.1	110.17	260.05	150
27	0.765	146.3	108.05	251.11	143
28	0.749	140.3	105.79	242.83	137
29	0.734	134.7	103.67	235.14	131
30	0.718	128.9	101.41	228.00	127
31	0.700	122.5	98.87	221.34	122
32	0.682	116.3	96.33	215.13	119
33	0.664	110.2	93.79	209.31	116
34	0.646	104.3	91.24	203.87	113
35	0.628	98.6	88.70	198.75	110
36	0.608	92.4	85.88	193.95	108
37	0.588	86.4	83.05	189.43	106
38	0.568	80.7	80.23	185.17	105
39	0.548	75.1	77.40	181.15	104
40	0.528	69.7	74.58	177.35	103
41	0.507	64.3	71.61	173.76	102
42	0.486	59.0	68.64	170.37	102
43	0.465	54.1	65.68	167.16	101
44	0.444	49.3	62.71	164.11	101
45	0.423	44.7	59.75	161.22	101

Depression Angle	Relative Field	Effective Power (w)	Distance to Contour (m)	Distance from Antenna to Ground (m)	Clearance (m)
46	0.405	41.0	57.20	158.48	101
47	0.386	37.2	54.52	155.88	101
48	0.367	33.7	51.84	153.40	102
49	0.348	30.3	49.15	151.05	102
50	0.329	27.1	46.47	148.82	102
51	0.313	24.5	44.21	146.69	102
52	0.296	21.9	41.81	144.67	103
53	0.280	19.6	39.55	142.74	103
54	0.263	17.3	37.15	140.91	104
55	0.247	15.3	34.89	139.17	104
56	0.235	13.8	33.19	137.51	104
57	0.224	12.5	31.64	135.93	104
58	0.213	11.3	30.08	134.43	104
59	0.201	10.1	28.39	133.00	105
60	0.190	9.0	26.84	131.64	105
61	0.180	8.1	25.42	130.34	105
62	0.171	7.3	24.18	129.11	105
63	0.161	6.5	22.74	127.95	105
64	0.151	5.7	21.33	126.84	106
65	0.142	5.0	20.06	125.79	106
66	0.140	4.9	19.77	124.79	105
67	0.139	4.8	19.63	123.85	104
68	0.137	4.7	19.35	122.95	104
69	0.136	4.6	19.21	122.11	103
70	0.134	4.5	18.93	121.32	102
71	0.134	4.5	18.93	120.57	102
72	0.134	4.5	18.93	119.87	101
73	0.135	4.6	19.07	119.21	100
74	0.135	4.6	19.07	118.59	100
75	0.135	4.6	19.07	118.02	99
76	0.136	4.6	19.21	117.49	98
77	0.138	4.8	19.49	117.00	98
78	0.139	4.8	19.63	116.55	97
79	0.140	4.9	19.77	116.13	96
80	0.142	5.0	20.06	115.76	96
81	0.143	5.1	20.20	115.42	95
82	0.145	5.3	20.48	115.12	95
83	0.147	5.4	20.76	114.86	94
84	0.148	5.5	20.90	114.63	94
85	0.150	5.6	21.19	114.44	93
86	0.151	5.7	21.33	114.28	93
87	0.153	5.9	21.61	114.16	93
88	0.154	5.9	21.75	114.07	92
89	0.156	6.1	22.03	114.02	92
90	0.157	6.2	0.00	114.00	114

**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