

Two CA5-FM/CP/RM/50N Yagi Antennas

Oriented at 185 & 275 degrees

Frequency: 96.5 MHz (CH 243)

Gain: 3.7 dBd (x 2.3)

Circular Polarization

Vertical stacked 0.87 wavelength

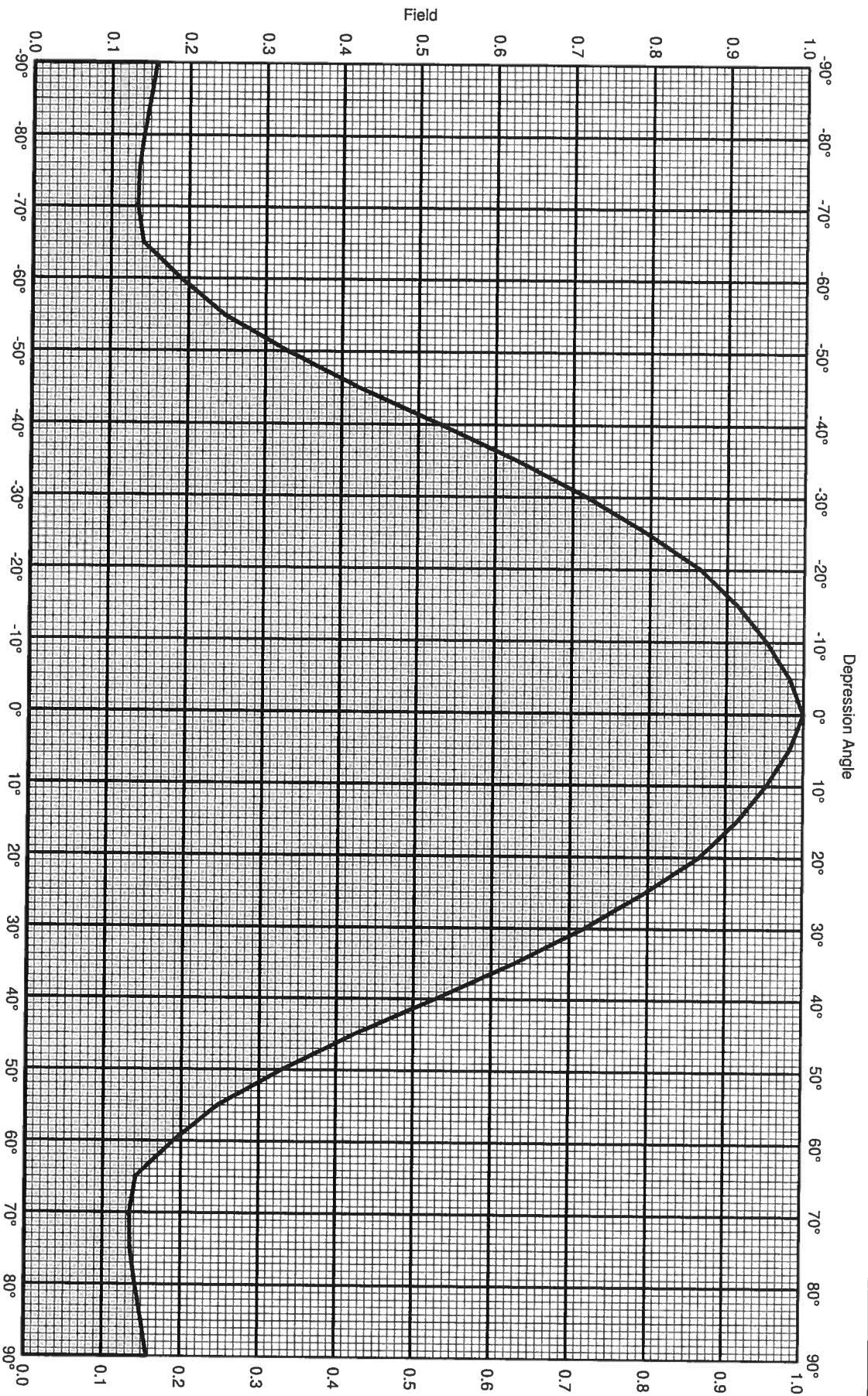
Horizontal plane Pattern



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Angle	Field	Rel.dB	dBd	PwrMult	Angle	Field	Rel.dB	dBd	PwrMult
0	0.292	-10.68	-6.98	0.20	180	0.996	-0.04	3.66	2.32
5	0.303	-10.37	-6.67	0.22	185	1.000	0.00	3.70	2.34
10	0.310	-10.18	-6.48	0.22	190	0.978	-0.19	3.51	2.24
15	0.313	-10.08	-6.38	0.23	195	0.945	-0.49	3.21	2.09
20	0.310	-10.18	-6.48	0.23	200	0.907	-0.85	2.85	1.93
25	0.300	-10.47	-6.77	0.21	205	0.864	-1.27	2.43	1.75
30	0.283	-10.96	-7.26	0.19	210	0.810	-1.83	1.87	1.54
35	0.264	-11.55	-7.85	0.16	215	0.785	-2.10	1.60	1.44
40	0.243	-12.27	-8.57	0.14	220	0.756	-2.43	1.27	1.34
45	0.228	-12.86	-9.16	0.12	225	0.741	-2.60	1.10	1.29
50	0.213	-13.43	-9.73	0.11	230	0.732	-2.71	0.99	1.25
55	0.228	-12.86	-9.16	0.12	235	0.741	-2.60	1.10	1.29
60	0.243	-12.27	-8.57	0.14	240	0.756	-2.43	1.27	1.34
65	0.264	-11.55	-7.85	0.16	245	0.785	-2.10	1.60	1.44
70	0.283	-10.96	-7.26	0.19	250	0.810	-1.83	1.87	1.54
75	0.300	-10.47	-6.77	0.21	255	0.864	-1.27	2.43	1.75
80	0.310	-10.18	-6.48	0.23	260	0.907	-0.85	2.85	1.93
85	0.313	-10.08	-6.38	0.23	265	0.945	-0.49	3.21	2.09
90	0.310	-10.18	-6.48	0.22	270	0.978	-0.19	3.51	2.24
95	0.303	-10.37	-6.67	0.22	275	1.000	0.00	3.70	2.34
100	0.292	-10.68	-6.98	0.20	280	0.996	-0.04	3.66	2.32
105	0.279	-11.08	-7.38	0.18	285	0.979	-0.18	3.52	2.25
110	0.264	-11.58	-7.88	0.16	290	0.953	-0.42	3.28	2.13
115	0.254	-11.90	-8.20	0.15	295	0.910	-0.82	2.88	1.94
120	0.248	-12.12	-8.42	0.14	300	0.846	-1.46	2.24	1.68
125	0.281	-11.03	-7.33	0.18	305	0.768	-2.29	1.41	1.38
130	0.323	-9.83	-6.13	0.24	310	0.677	-3.39	0.31	1.07
135	0.391	-8.15	-4.45	0.36	315	0.577	-4.77	-1.07	0.78
140	0.472	-6.51	-2.81	0.52	320	0.472	-6.51	-2.81	0.52
145	0.577	-4.77	-1.07	0.78	325	0.391	-8.15	-4.45	0.36
150	0.677	-3.39	0.31	1.07	330	0.323	-9.83	-6.13	0.24
155	0.768	-2.29	1.41	1.38	335	0.281	-11.03	-7.33	0.18
160	0.846	-1.46	2.24	1.68	340	0.248	-12.12	-8.42	0.14
165	0.910	-0.82	2.88	1.94	345	0.254	-11.90	-8.20	0.15
170	0.953	-0.42	3.28	2.13	350	0.264	-11.58	-7.88	0.16
175	0.979	-0.18	3.52	2.25	355	0.279	-11.08	-7.38	0.18



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Angle	Field	Rel.dB	dBd	PwrMult	Angle	Field	Rel.dB	dBd	PwrMult
-90	0.157	-16.06	-12.36	0.06	-45	0.423	-7.47	-3.77	0.42
-89	0.156	-16.14	-12.44	0.06	-44	0.444	-7.05	-3.35	0.46
-88	0.154	-16.23	-12.53	0.06	-43	0.465	-6.64	-2.94	0.51
-87	0.153	-16.31	-12.61	0.05	-42	0.486	-6.26	-2.56	0.55
-86	0.151	-16.39	-12.69	0.05	-41	0.507	-5.89	-2.19	0.60
-85	0.150	-16.48	-12.78	0.05	-40	0.528	-5.54	-1.84	0.65
-84	0.148	-16.58	-12.88	0.05	-39	0.548	-5.22	-1.52	0.70
-83	0.147	-16.67	-12.97	0.05	-38	0.568	-4.91	-1.21	0.76
-82	0.145	-16.77	-13.07	0.05	-37	0.588	-4.61	-0.91	0.81
-81	0.143	-16.87	-13.17	0.05	-36	0.608	-4.32	-0.62	0.87
-80	0.142	-16.97	-13.27	0.05	-35	0.628	-4.04	-0.34	0.93
-79	0.140	-17.06	-13.36	0.05	-34	0.646	-3.79	-0.09	0.98
-78	0.139	-17.14	-13.44	0.05	-33	0.664	-3.55	0.15	1.03
-77	0.138	-17.22	-13.52	0.04	-32	0.682	-3.32	0.38	1.09
-76	0.136	-17.31	-13.61	0.04	-31	0.700	-3.09	0.61	1.15
-75	0.135	-17.39	-13.69	0.04	-30	0.718	-2.87	0.83	1.21
-74	0.135	-17.41	-13.71	0.04	-29	0.734	-2.69	1.01	1.26
-73	0.135	-17.42	-13.72	0.04	-28	0.749	-2.51	1.19	1.32
-72	0.134	-17.43	-13.73	0.04	-27	0.765	-2.33	1.37	1.37
-71	0.134	-17.44	-13.74	0.04	-26	0.780	-2.15	1.55	1.43
-70	0.134	-17.46	-13.76	0.04	-25	0.796	-1.98	1.72	1.49
-69	0.136	-17.36	-13.66	0.04	-24	0.810	-1.83	1.87	1.54
-68	0.137	-17.26	-13.56	0.04	-23	0.824	-1.68	2.02	1.59
-67	0.139	-17.16	-13.46	0.05	-22	0.838	-1.54	2.16	1.65
-66	0.140	-17.07	-13.37	0.05	-21	0.852	-1.39	2.31	1.70
-65	0.142	-16.97	-13.27	0.05	-20	0.866	-1.25	2.45	1.76
-64	0.151	-16.40	-12.70	0.05	-19	0.876	-1.15	2.55	1.80
-63	0.161	-15.86	-12.16	0.06	-18	0.885	-1.06	2.64	1.84
-62	0.171	-15.36	-11.66	0.07	-17	0.895	-0.96	2.74	1.88
-61	0.180	-14.88	-11.18	0.08	-16	0.905	-0.87	2.83	1.92
-60	0.190	-14.42	-10.72	0.08	-15	0.915	-0.77	2.93	1.96
-59	0.201	-13.92	-10.22	0.10	-14	0.922	-0.70	3.00	1.99
-58	0.213	-13.45	-9.75	0.11	-13	0.930	-0.63	3.07	2.03
-57	0.224	-13.00	-9.30	0.12	-12	0.937	-0.56	3.14	2.06
-56	0.235	-12.57	-8.87	0.13	-11	0.945	-0.49	3.21	2.09
-55	0.247	-12.16	-8.46	0.14	-10	0.952	-0.42	3.28	2.13
-54	0.263	-11.59	-7.89	0.16	-9	0.958	-0.37	3.33	2.15
-53	0.280	-11.07	-7.37	0.18	-8	0.964	-0.32	3.38	2.18
-52	0.296	-10.57	-6.87	0.21	-7	0.970	-0.26	3.44	2.21
-51	0.313	-10.09	-6.39	0.23	-6	0.976	-0.21	3.49	2.23
-50	0.329	-9.65	-5.95	0.25	-5	0.982	-0.15	3.55	2.26
-49	0.348	-9.17	-5.47	0.28	-4	0.986	-0.12	3.58	2.28
-48	0.367	-8.71	-5.01	0.32	-3	0.989	-0.09	3.61	2.29
-47	0.386	-8.27	-4.57	0.35	-2	0.993	-0.06	3.64	2.31
-46	0.405	-7.86	-4.16	0.38	-1	0.996	-0.03	3.67	2.33
					0	1.000	0.00	3.70	2.34



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Angle	Field	Rel.dB	dBd	PwrMult	Angle	Field	Rel.dB	dBd	PwrMult
0	1.000	0.00	3.70	2.34	45	0.423	-7.47	-3.77	0.42
1	0.996	-0.03	3.67	2.33	46	0.405	-7.86	-4.16	0.38
2	0.993	-0.06	3.64	2.31	47	0.386	-8.27	-4.57	0.35
3	0.989	-0.09	3.61	2.29	48	0.367	-8.71	-5.01	0.32
4	0.986	-0.12	3.58	2.28	49	0.348	-9.17	-5.47	0.28
5	0.982	-0.15	3.55	2.26	50	0.329	-9.65	-5.95	0.25
6	0.976	-0.21	3.49	2.23	51	0.313	-10.09	-6.39	0.23
7	0.970	-0.26	3.44	2.21	52	0.296	-10.57	-6.87	0.21
8	0.964	-0.32	3.38	2.18	53	0.280	-11.07	-7.37	0.18
9	0.958	-0.37	3.33	2.15	54	0.263	-11.59	-7.89	0.16
10	0.952	-0.42	3.28	2.13	55	0.247	-12.16	-8.46	0.14
11	0.945	-0.49	3.21	2.09	56	0.235	-12.57	-8.87	0.13
12	0.937	-0.56	3.14	2.06	57	0.224	-13.00	-9.30	0.12
13	0.930	-0.63	3.07	2.03	58	0.213	-13.45	-9.75	0.11
14	0.922	-0.70	3.00	1.99	59	0.201	-13.92	-10.22	0.10
15	0.915	-0.77	2.93	1.96	60	0.190	-14.42	-10.72	0.08
16	0.905	-0.87	2.83	1.92	61	0.180	-14.88	-11.18	0.08
17	0.895	-0.96	2.74	1.88	62	0.171	-15.36	-11.66	0.07
18	0.885	-1.06	2.64	1.84	63	0.161	-15.86	-12.16	0.06
19	0.876	-1.15	2.55	1.80	64	0.151	-16.40	-12.70	0.05
20	0.866	-1.25	2.45	1.76	65	0.142	-16.97	-13.27	0.05
21	0.852	-1.39	2.31	1.70	66	0.140	-17.07	-13.37	0.05
22	0.838	-1.54	2.16	1.65	67	0.139	-17.16	-13.46	0.05
23	0.824	-1.68	2.02	1.59	68	0.137	-17.26	-13.56	0.04
24	0.810	-1.83	1.87	1.54	69	0.136	-17.36	-13.66	0.04
25	0.796	-1.98	1.72	1.49	70	0.134	-17.46	-13.76	0.04
26	0.780	-2.15	1.55	1.43	71	0.134	-17.44	-13.74	0.04
27	0.765	-2.33	1.37	1.37	72	0.134	-17.43	-13.73	0.04
28	0.749	-2.51	1.19	1.32	73	0.135	-17.42	-13.72	0.04
29	0.734	-2.69	1.01	1.26	74	0.135	-17.41	-13.71	0.04
30	0.718	-2.87	0.83	1.21	75	0.135	-17.39	-13.69	0.04
31	0.700	-3.09	0.61	1.15	76	0.136	-17.31	-13.61	0.04
32	0.682	-3.32	0.38	1.09	77	0.138	-17.22	-13.52	0.04
33	0.664	-3.55	0.15	1.03	78	0.139	-17.14	-13.44	0.05
34	0.646	-3.79	-0.09	0.98	79	0.140	-17.06	-13.36	0.05
35	0.628	-4.04	-0.34	0.93	80	0.142	-16.97	-13.27	0.05
36	0.608	-4.32	-0.62	0.87	81	0.143	-16.87	-13.17	0.05
37	0.588	-4.61	-0.91	0.81	82	0.145	-16.77	-13.07	0.05
38	0.568	-4.91	-1.21	0.76	83	0.147	-16.67	-12.97	0.05
39	0.548	-5.22	-1.52	0.70	84	0.148	-16.58	-12.88	0.05
40	0.528	-5.54	-1.84	0.65	85	0.150	-16.48	-12.78	0.05
41	0.507	-5.89	-2.19	0.60	86	0.151	-16.39	-12.69	0.05
42	0.486	-6.26	-2.56	0.55	87	0.153	-16.31	-12.61	0.05
43	0.465	-6.64	-2.94	0.51	88	0.154	-16.23	-12.53	0.06
44	0.444	-7.05	-3.35	0.46	89	0.156	-16.14	-12.44	0.06
					90	0.157	-16.06	-12.36	0.06