



KATHREIN SCALA DIVISION

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Four CA2-50N Yagi Antennas

Oriented at 0 degrees

Frequency: MHz

Gain: 9.0 dBd (x 7.9)

Horizontal Polarization

Vertical Stacked 0.7 wavelength

Vertical plane Pattern



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Angle	Field	Rel.dB	dBd	PwrMult	Angle	Field	Rel.dB	dBd	PwrMult
-90	0.010	-40.00	-31.00	0.00	-45	0.011	-39.46	-30.46	0.00
-89	0.010	-40.00	-31.00	0.00	-44	0.029	-30.61	-21.61	0.01
-88	0.010	-40.00	-31.00	0.00	-43	0.049	-26.19	-17.19	0.02
-87	0.010	-40.00	-31.00	0.00	-42	0.069	-23.22	-14.22	0.04
-86	0.010	-40.00	-31.00	0.00	-41	0.089	-20.99	-11.99	0.06
-85	0.010	-40.00	-31.00	0.00	-40	0.109	-19.21	-10.21	0.10
-84	0.010	-40.00	-31.00	0.00	-39	0.129	-17.80	-8.80	0.13
-83	0.010	-40.00	-31.00	0.00	-38	0.147	-16.63	-7.63	0.17
-82	0.010	-40.00	-31.00	0.00	-37	0.165	-15.66	-6.66	0.22
-81	0.010	-40.00	-31.00	0.00	-36	0.181	-14.86	-5.86	0.26
-80	0.010	-40.00	-31.00	0.00	-35	0.195	-14.21	-5.21	0.30
-79	0.010	-40.00	-31.00	0.00	-34	0.207	-13.69	-4.69	0.34
-78	0.011	-39.22	-30.22	0.00	-33	0.216	-13.31	-4.31	0.37
-77	0.013	-37.43	-28.43	0.00	-32	0.222	-13.06	-4.06	0.39
-76	0.016	-35.88	-26.88	0.00	-31	0.225	-12.95	-3.95	0.40
-75	0.019	-34.51	-25.51	0.00	-30	0.224	-12.99	-3.99	0.40
-74	0.024	-32.28	-23.28	0.00	-29	0.218	-13.21	-4.21	0.38
-73	0.030	-30.45	-21.45	0.01	-28	0.208	-13.62	-4.62	0.34
-72	0.036	-28.89	-19.89	0.01	-27	0.194	-14.26	-5.26	0.30
-71	0.042	-27.54	-18.54	0.01	-26	0.174	-15.18	-6.18	0.24
-70	0.048	-26.34	-17.34	0.02	-25	0.150	-16.48	-7.48	0.18
-69	0.055	-25.16	-16.16	0.02	-24	0.121	-18.37	-9.37	0.12
-68	0.062	-24.11	-15.11	0.03	-23	0.086	-21.28	-12.28	0.06
-67	0.069	-23.18	-14.18	0.04	-22	0.047	-26.51	-17.51	0.02
-66	0.076	-22.35	-13.35	0.05	-21	0.010	-40.00	-31.00	0.00
-65	0.083	-21.62	-12.62	0.05	-20	0.045	-26.98	-17.98	0.02
-64	0.089	-21.05	-12.05	0.06	-19	0.097	-20.27	-11.27	0.07
-63	0.094	-20.56	-11.56	0.07	-18	0.153	-16.33	-7.33	0.18
-62	0.098	-20.15	-11.15	0.08	-17	0.211	-13.51	-4.51	0.35
-61	0.102	-19.80	-10.80	0.08	-16	0.272	-11.30	-2.30	0.59
-60	0.105	-19.54	-10.54	0.09	-15	0.335	-9.49	-0.49	0.89
-59	0.108	-19.35	-10.35	0.09	-14	0.400	-7.96	1.04	1.27
-58	0.109	-19.25	-10.25	0.09	-13	0.465	-6.65	2.35	1.72
-57	0.109	-19.24	-10.24	0.09	-12	0.530	-5.51	3.49	2.23
-56	0.108	-19.34	-10.34	0.09	-11	0.594	-4.52	4.48	2.80
-55	0.105	-19.54	-10.54	0.09	-10	0.657	-3.65	5.35	3.43
-54	0.101	-19.95	-10.95	0.08	-9	0.714	-2.92	6.08	4.05
-53	0.094	-20.51	-11.51	0.07	-8	0.768	-2.29	6.71	4.68
-52	0.087	-21.25	-12.25	0.06	-7	0.817	-1.75	7.25	5.31
-51	0.077	-22.24	-13.24	0.05	-6	0.862	-1.29	7.71	5.90
-50	0.066	-23.56	-14.56	0.03	-5	0.901	-0.90	8.10	6.45
-49	0.054	-25.41	-16.41	0.02	-4	0.935	-0.59	8.41	6.94
-48	0.040	-28.06	-19.06	0.01	-3	0.961	-0.34	8.66	7.34
-47	0.024	-32.38	-23.38	0.00	-2	0.981	-0.16	8.84	7.65
-46	0.010	-40.00	-31.00	0.00	-1	0.994	-0.05	8.95	7.85
					0	1.000	0.00	9.00	7.94



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Angle	Field	Rel.dB	dBd	PwrMult	Angle	Field	Rel.dB	dBd	PwrMult
0	1.000	0.00	9.00	7.94	45	0.011	-39.46	-30.46	0.00
1	0.994	-0.05	8.95	7.85	46	0.010	-40.00	-31.00	0.00
2	0.981	-0.16	8.84	7.65	47	0.024	-32.38	-23.38	0.00
3	0.961	-0.34	8.66	7.34	48	0.040	-28.06	-19.06	0.01
4	0.935	-0.59	8.41	6.94	49	0.054	-25.41	-16.41	0.02
5	0.901	-0.90	8.10	6.45	50	0.066	-23.56	-14.56	0.03
6	0.862	-1.29	7.71	5.90	51	0.077	-22.24	-13.24	0.05
7	0.817	-1.75	7.25	5.31	52	0.087	-21.25	-12.25	0.06
8	0.768	-2.29	6.71	4.68	53	0.094	-20.51	-11.51	0.07
9	0.714	-2.92	6.08	4.05	54	0.101	-19.95	-10.95	0.08
10	0.657	-3.65	5.35	3.43	55	0.105	-19.54	-10.54	0.09
11	0.594	-4.52	4.48	2.81	56	0.108	-19.34	-10.34	0.09
12	0.530	-5.51	3.49	2.23	57	0.109	-19.24	-10.24	0.09
13	0.465	-6.65	2.35	1.72	58	0.109	-19.25	-10.25	0.09
14	0.400	-7.96	1.04	1.27	59	0.108	-19.35	-10.35	0.09
15	0.335	-9.49	-0.49	0.89	60	0.105	-19.54	-10.54	0.09
16	0.272	-11.30	-2.30	0.59	61	0.102	-19.80	-10.80	0.08
17	0.211	-13.50	-4.50	0.35	62	0.098	-20.15	-11.15	0.08
18	0.153	-16.33	-7.33	0.18	63	0.094	-20.56	-11.56	0.07
19	0.097	-20.27	-11.27	0.07	64	0.089	-21.05	-12.05	0.06
20	0.045	-26.97	-17.97	0.02	65	0.083	-21.62	-12.62	0.05
21	0.010	-40.00	-31.00	0.00	66	0.076	-22.35	-13.35	0.05
22	0.047	-26.52	-17.52	0.02	67	0.069	-23.18	-14.18	0.04
23	0.086	-21.28	-12.28	0.06	68	0.062	-24.11	-15.11	0.03
24	0.121	-18.37	-9.37	0.12	69	0.055	-25.16	-16.16	0.02
25	0.150	-16.48	-7.48	0.18	70	0.048	-26.34	-17.34	0.02
26	0.174	-15.18	-6.18	0.24	71	0.042	-27.54	-18.54	0.01
27	0.194	-14.26	-5.26	0.30	72	0.036	-28.89	-19.89	0.01
28	0.208	-13.62	-4.62	0.34	73	0.030	-30.45	-21.45	0.01
29	0.218	-13.21	-4.21	0.38	74	0.024	-32.28	-23.28	0.00
30	0.224	-12.99	-3.99	0.40	75	0.019	-34.51	-25.51	0.00
31	0.225	-12.95	-3.95	0.40	76	0.016	-35.88	-26.88	0.00
32	0.222	-13.06	-4.06	0.39	77	0.013	-37.43	-28.43	0.00
33	0.216	-13.31	-4.31	0.37	78	0.011	-39.22	-30.22	0.00
34	0.207	-13.69	-4.69	0.34	79	0.010	-40.00	-31.00	0.00
35	0.195	-14.21	-5.21	0.30	80	0.010	-40.00	-31.00	0.00
36	0.181	-14.86	-5.86	0.26	81	0.010	-40.00	-31.00	0.00
37	0.165	-15.66	-6.66	0.22	82	0.010	-40.00	-31.00	0.00
38	0.147	-16.63	-7.63	0.17	83	0.010	-40.00	-31.00	0.00
39	0.129	-17.80	-8.80	0.13	84	0.010	-40.00	-31.00	0.00
40	0.109	-19.21	-10.21	0.10	85	0.010	-40.00	-31.00	0.00
41	0.089	-20.98	-11.98	0.06	86	0.010	-40.00	-31.00	0.00
42	0.069	-23.22	-14.22	0.04	87	0.010	-40.00	-31.00	0.00
43	0.049	-26.19	-17.19	0.02	88	0.010	-40.00	-31.00	0.00
44	0.029	-30.61	-21.61	0.01	89	0.010	-40.00	-31.00	0.00
					90	0.010	-40.00	-31.00	0.00