



2xCA2-FM/CP/CV Circular Polarized Array

Two antennas skewed 0 degrees

Vertically stacked @ .5 WL

Max Gain: 3.5 dBd / Power-x: 2.23

Circular Polarization

Vertical Plane Pattern



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Angle	Field	Rel dB	PWR mult	dBd	Angle	Field	Rel dB	PWR mult	dBd
90	.000	-116.68	.00	-113.18	45	.287	-10.84	.18	-7.34
89	.000	-101.17	.00	-97.67	44	.305	-10.32	.21	-6.82
88	.000	-90.22	.00	-86.72	43	.323	-9.82	.23	-6.32
87	.000	-83.32	.00	-79.82	42	.342	-9.33	.26	-5.83
86	.000	-78.32	.00	-74.82	41	.361	-8.86	.29	-5.36
85	.000	-74.39	.00	-70.89	40	.380	-8.39	.32	-4.89
84	.000	-70.54	.00	-67.04	39	.399	-7.97	.36	-4.47
83	.000	-67.23	.00	-63.73	38	.419	-7.56	.39	-4.06
82	.001	-64.32	.00	-60.82	37	.439	-7.16	.43	-3.66
81	.001	-61.72	.00	-58.22	36	.459	-6.77	.47	-3.27
80	.001	-59.36	.00	-55.86	35	.479	-6.39	.51	-2.89
79	.002	-55.97	.00	-52.47	34	.500	-6.02	.56	-2.52
78	.002	-53.02	.00	-49.52	33	.521	-5.66	.61	-2.16
77	.003	-50.39	.00	-46.89	32	.543	-5.31	.66	-1.81
76	.004	-48.03	.00	-44.53	31	.564	-4.97	.71	-1.47
75	.005	-45.87	.00	-42.37	30	.586	-4.64	.77	-1.14
74	.007	-43.23	.00	-39.73	29	.607	-4.34	.82	-.84
73	.009	-40.88	.00	-37.38	28	.628	-4.04	.88	-.54
72	.012	-38.77	.00	-35.27	27	.649	-3.76	.94	-.26
71	.014	-36.84	.00	-33.34	26	.670	-3.48	1.00	.02
70	.018	-35.06	.00	-31.56	25	.690	-3.22	1.07	.28
69	.022	-33.30	.00	-29.80	24	.711	-2.97	1.13	.53
68	.026	-31.66	.00	-28.16	23	.731	-2.72	1.20	.78
67	.031	-30.14	.00	-26.64	22	.751	-2.49	1.26	1.01
66	.037	-28.72	.00	-25.22	21	.771	-2.26	1.33	1.24
65	.043	-27.37	.00	-23.87	20	.790	-2.04	1.40	1.46
64	.049	-26.15	.01	-22.65	19	.808	-1.85	1.46	1.65
63	.056	-24.99	.01	-21.49	18	.825	-1.67	1.52	1.83
62	.064	-23.88	.01	-20.38	17	.842	-1.49	1.59	2.01
61	.072	-22.83	.01	-19.33	16	.859	-1.32	1.65	2.18
60	.081	-21.82	.01	-18.32	15	.875	-1.16	1.71	2.34
59	.091	-20.84	.02	-17.34	14	.890	-1.02	1.77	2.48
58	.101	-19.90	.02	-16.40	13	.904	-.88	1.83	2.62
57	.112	-19.00	.03	-15.50	12	.917	-.75	1.88	2.75
56	.124	-18.14	.03	-14.64	11	.930	-.63	1.94	2.87
55	.136	-17.30	.04	-13.80	10	.943	-.51	1.99	2.99
54	.149	-16.55	.05	-13.05	9	.952	-.43	2.03	3.07
53	.162	-15.82	.06	-12.32	8	.960	-.35	2.06	3.15
52	.175	-15.12	.07	-11.62	7	.968	-.29	2.10	3.21
51	.190	-14.43	.08	-10.93	6	.975	-.22	2.13	3.28
50	.205	-13.77	.09	-10.27	5	.981	-.17	2.15	3.33
49	.220	-13.15	.11	-9.65	4	.986	-.12	2.18	3.38
48	.236	-12.55	.12	-9.05	3	.991	-.08	2.20	3.42
47	.252	-11.96	.14	-8.46	2	.995	-.05	2.21	3.45
46	.269	-11.39	.16	-7.89	1	.998	-.02	2.23	3.48

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0	1.000	.00	2.24	3.50	-45	.287	-10.84	.18	-7.34
-1	.998	-.02	2.23	3.48	-46	.269	-11.39	.16	-7.89
-2	.995	-.05	2.21	3.45	-47	.252	-11.96	.14	-8.46
-3	.991	-.08	2.20	3.42	-48	.236	-12.55	.12	-9.05
-4	.986	-.12	2.18	3.38	-49	.220	-13.15	.11	-9.65
-5	.981	-.17	2.15	3.33	-50	.205	-13.77	.09	-10.27
-6	.975	-.22	2.13	3.28	-51	.190	-14.43	.08	-10.93
-7	.968	-.29	2.10	3.21	-52	.175	-15.12	.07	-11.62
-8	.960	-.35	2.06	3.15	-53	.162	-15.82	.06	-12.32
-9	.952	-.43	2.03	3.07	-54	.149	-16.55	.05	-13.05
-10	.943	-.51	1.99	2.99	-55	.136	-17.30	.04	-13.80
-11	.930	-.63	1.94	2.87	-56	.124	-18.14	.03	-14.64
-12	.917	-.75	1.88	2.75	-57	.112	-19.00	.03	-15.50
-13	.904	-.88	1.83	2.62	-58	.101	-19.90	.02	-16.40
-14	.890	-1.02	1.77	2.48	-59	.091	-20.84	.02	-17.34
-15	.875	-1.16	1.71	2.34	-60	.081	-21.82	.01	-18.32
-16	.859	-1.32	1.65	2.18	-61	.072	-22.83	.01	-19.33
-17	.842	-1.49	1.59	2.01	-62	.064	-23.88	.01	-20.38
-18	.825	-1.67	1.52	1.83	-63	.056	-24.99	.01	-21.49
-19	.808	-1.85	1.46	1.65	-64	.049	-26.15	.01	-22.65
-20	.790	-2.04	1.40	1.46	-65	.043	-27.37	.00	-23.87
-21	.771	-2.26	1.33	1.24	-66	.037	-28.72	.00	-25.22
-22	.751	-2.49	1.26	1.01	-67	.031	-30.14	.00	-26.64
-23	.731	-2.72	1.20	.78	-68	.026	-31.66	.00	-28.16
-24	.711	-2.97	1.13	.53	-69	.022	-33.30	.00	-29.80
-25	.690	-3.22	1.07	.28	-70	.018	-35.06	.00	-31.56
-26	.670	-3.48	1.00	.02	-71	.014	-36.84	.00	-33.34
-27	.649	-3.76	.94	-.26	-72	.012	-38.77	.00	-35.27
-28	.628	-4.04	.88	-.54	-73	.009	-40.88	.00	-37.38
-29	.607	-4.34	.82	-.84	-74	.007	-43.23	.00	-39.73
-30	.586	-4.64	.77	-1.14	-75	.005	-45.87	.00	-42.37
-31	.564	-4.97	.71	-1.47	-76	.004	-48.03	.00	-44.53
-32	.543	-5.31	.66	-1.81	-77	.003	-50.39	.00	-46.89
-33	.521	-5.66	.61	-2.16	-78	.002	-53.02	.00	-49.52
-34	.500	-6.02	.56	-2.52	-79	.002	-55.97	.00	-52.47
-35	.479	-6.39	.51	-2.89	-80	.001	-59.36	.00	-55.86
-36	.459	-6.77	.47	-3.27	-81	.001	-61.72	.00	-58.22
-37	.439	-7.16	.43	-3.66	-82	.001	-64.32	.00	-60.82
-38	.419	-7.56	.39	-4.06	-83	.000	-67.23	.00	-63.73
-39	.399	-7.97	.36	-4.47	-84	.000	-70.54	.00	-67.04
-40	.380	-8.39	.32	-4.89	-85	.000	-74.39	.00	-70.89
-41	.361	-8.86	.29	-5.36	-86	.000	-78.31	.00	-74.81
-42	.342	-9.33	.26	-5.83	-87	.000	-83.32	.00	-79.82
-43	.323	-9.82	.23	-6.32	-88	.000	-90.22	.00	-86.72
-44	.305	-10.32	.21	-6.82	-89	.000	-101.17	.00	-97.67