



CA2-FM Dipole/Reflector

Vertical radiation pattern

FM

4.0 dBd (6.15 dBi)

Vertical polarization



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Angle	Field	Rel.dB	dBd	PwrMult	Angle	Field	Rel.dB	dBd	PwrMult
-90	0.050	-26.02	-22.02	0.01	-45	0.595	-4.51	-0.51	0.89
-89	0.051	-25.85	-21.85	0.01	-44	0.611	-4.28	-0.28	0.94
-88	0.052	-25.68	-21.68	0.01	-43	0.627	-4.05	-0.05	0.99
-87	0.053	-25.51	-21.51	0.01	-42	0.643	-3.84	0.16	1.04
-86	0.054	-25.35	-21.35	0.01	-41	0.659	-3.62	0.38	1.09
-85	0.055	-25.19	-21.19	0.01	-40	0.675	-3.41	0.59	1.14
-84	0.059	-24.58	-20.58	0.01	-39	0.689	-3.24	0.76	1.19
-83	0.063	-24.01	-20.01	0.01	-38	0.703	-3.06	0.94	1.24
-82	0.067	-23.48	-19.48	0.01	-37	0.717	-2.89	1.11	1.29
-81	0.071	-22.97	-18.97	0.01	-36	0.731	-2.72	1.28	1.34
-80	0.075	-22.50	-18.50	0.01	-35	0.745	-2.56	1.44	1.39
-79	0.085	-21.41	-17.41	0.02	-34	0.757	-2.41	1.59	1.44
-78	0.095	-20.45	-16.45	0.02	-33	0.770	-2.27	1.73	1.49
-77	0.105	-19.58	-15.58	0.03	-32	0.783	-2.13	1.87	1.54
-76	0.115	-18.79	-14.79	0.03	-31	0.795	-1.99	2.01	1.59
-75	0.125	-18.06	-14.06	0.04	-30	0.808	-1.86	2.14	1.64
-74	0.138	-17.20	-13.20	0.05	-29	0.819	-1.73	2.27	1.68
-73	0.151	-16.42	-12.42	0.06	-28	0.831	-1.61	2.39	1.73
-72	0.164	-15.70	-11.70	0.07	-27	0.842	-1.49	2.51	1.78
-71	0.177	-15.04	-11.04	0.08	-26	0.854	-1.38	2.62	1.83
-70	0.190	-14.42	-10.42	0.09	-25	0.865	-1.26	2.74	1.88
-69	0.205	-13.76	-9.76	0.11	-24	0.875	-1.16	2.84	1.92
-68	0.220	-13.15	-9.15	0.12	-23	0.885	-1.06	2.94	1.97
-67	0.235	-12.58	-8.58	0.14	-22	0.895	-0.96	3.04	2.01
-66	0.250	-12.04	-8.04	0.16	-21	0.905	-0.87	3.13	2.06
-65	0.265	-11.54	-7.54	0.18	-20	0.915	-0.77	3.23	2.10
-64	0.281	-11.03	-7.03	0.20	-19	0.924	-0.69	3.31	2.14
-63	0.297	-10.54	-6.54	0.22	-18	0.932	-0.61	3.39	2.18
-62	0.313	-10.09	-6.09	0.25	-17	0.940	-0.53	3.47	2.22
-61	0.329	-9.66	-5.66	0.27	-16	0.949	-0.45	3.55	2.26
-60	0.345	-9.24	-5.24	0.30	-15	0.957	-0.38	3.62	2.30
-59	0.362	-8.83	-4.83	0.33	-14	0.961	-0.34	3.66	2.32
-58	0.379	-8.43	-4.43	0.36	-13	0.965	-0.30	3.70	2.34
-57	0.396	-8.05	-4.05	0.39	-12	0.970	-0.27	3.73	2.36
-56	0.413	-7.68	-3.68	0.43	-11	0.974	-0.23	3.77	2.38
-55	0.430	-7.33	-3.33	0.46	-10	0.978	-0.20	3.80	2.40
-54	0.446	-7.01	-3.01	0.50	-9	0.980	-0.18	3.82	2.41
-53	0.462	-6.71	-2.71	0.54	-8	0.982	-0.15	3.85	2.42
-52	0.478	-6.41	-2.41	0.57	-7	0.985	-0.13	3.87	2.44
-51	0.494	-6.13	-2.13	0.61	-6	0.988	-0.11	3.89	2.45
-50	0.510	-5.85	-1.85	0.65	-5	0.990	-0.09	3.91	2.46
-49	0.527	-5.56	-1.56	0.70	-4	0.992	-0.07	3.93	2.47
-48	0.544	-5.29	-1.29	0.74	-3	0.994	-0.05	3.95	2.48
-47	0.561	-5.02	-1.02	0.79	-2	0.996	-0.03	3.97	2.49
-46	0.578	-4.76	-0.76	0.84	-1	0.998	-0.02	3.98	2.50
					0	1.000	0.00	4.00	2.51



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0	1.000	0.00	4.00	2.51	45	0.595	-4.51	-0.51	0.89
1	0.998	-0.02	3.98	2.50	46	0.578	-4.76	-0.76	0.84
2	0.996	-0.03	3.97	2.49	47	0.561	-5.02	-1.02	0.79
3	0.994	-0.05	3.95	2.48	48	0.544	-5.29	-1.29	0.74
4	0.992	-0.07	3.93	2.47	49	0.527	-5.56	-1.56	0.70
5	0.990	-0.09	3.91	2.46	50	0.510	-5.85	-1.85	0.65
6	0.988	-0.11	3.89	2.45	51	0.494	-6.13	-2.13	0.61
7	0.985	-0.13	3.87	2.44	52	0.478	-6.41	-2.41	0.57
8	0.982	-0.15	3.85	2.42	53	0.462	-6.71	-2.71	0.54
9	0.980	-0.18	3.82	2.41	54	0.446	-7.01	-3.01	0.50
10	0.978	-0.20	3.80	2.40	55	0.430	-7.33	-3.33	0.46
11	0.974	-0.23	3.77	2.38	56	0.413	-7.68	-3.68	0.43
12	0.970	-0.27	3.73	2.36	57	0.396	-8.05	-4.05	0.39
13	0.965	-0.30	3.70	2.34	58	0.379	-8.43	-4.43	0.36
14	0.961	-0.34	3.66	2.32	59	0.362	-8.83	-4.83	0.33
15	0.957	-0.38	3.62	2.30	60	0.345	-9.24	-5.24	0.30
16	0.949	-0.45	3.55	2.26	61	0.329	-9.66	-5.66	0.27
17	0.940	-0.53	3.47	2.22	62	0.313	-10.09	-6.09	0.25
18	0.932	-0.61	3.39	2.18	63	0.297	-10.54	-6.54	0.22
19	0.924	-0.69	3.31	2.14	64	0.281	-11.03	-7.03	0.20
20	0.915	-0.77	3.23	2.10	65	0.265	-11.54	-7.54	0.18
21	0.905	-0.87	3.13	2.06	66	0.250	-12.04	-8.04	0.16
22	0.895	-0.96	3.04	2.01	67	0.235	-12.58	-8.58	0.14
23	0.885	-1.06	2.94	1.97	68	0.220	-13.15	-9.15	0.12
24	0.875	-1.16	2.84	1.92	69	0.205	-13.76	-9.76	0.11
25	0.865	-1.26	2.74	1.88	70	0.190	-14.42	-10.42	0.09
26	0.854	-1.38	2.62	1.83	71	0.177	-15.04	-11.04	0.08
27	0.842	-1.49	2.51	1.78	72	0.164	-15.70	-11.70	0.07
28	0.831	-1.61	2.39	1.73	73	0.151	-16.42	-12.42	0.06
29	0.819	-1.73	2.27	1.68	74	0.138	-17.20	-13.20	0.05
30	0.808	-1.86	2.14	1.64	75	0.125	-18.06	-14.06	0.04
31	0.795	-1.99	2.01	1.59	76	0.115	-18.79	-14.79	0.03
32	0.783	-2.13	1.87	1.54	77	0.105	-19.58	-15.58	0.03
33	0.770	-2.27	1.73	1.49	78	0.095	-20.45	-16.45	0.02
34	0.757	-2.41	1.59	1.44	79	0.085	-21.41	-17.41	0.02
35	0.745	-2.56	1.44	1.39	80	0.075	-22.50	-18.50	0.01
36	0.731	-2.72	1.28	1.34	81	0.071	-22.97	-18.97	0.01
37	0.717	-2.89	1.11	1.29	82	0.067	-23.48	-19.48	0.01
38	0.703	-3.06	0.94	1.24	83	0.063	-24.01	-20.01	0.01
39	0.689	-3.24	0.76	1.19	84	0.059	-24.58	-20.58	0.01
40	0.675	-3.41	0.59	1.14	85	0.055	-25.19	-21.19	0.01
41	0.659	-3.62	0.38	1.09	86	0.054	-25.35	-21.35	0.01
42	0.643	-3.84	0.16	1.04	87	0.053	-25.51	-21.51	0.01
43	0.627	-4.05	-0.05	0.99	88	0.052	-25.68	-21.68	0.01
44	0.611	-4.28	-0.28	0.94	89	0.051	-25.85	-21.85	0.01
					90	0.050	-26.02	-22.02	0.01