





FMVMP Vertical plane pattern
 FM 0 degree electrical downtilt
 Maximum gain: 1 dBd
 Vertical polarization

Angle	Rel.Field	Rel.dB	dBd	PwrMult
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-90	0.025	-31.89	-30.89	0.00
-89	0.017	-35.56	-34.56	0.00
-88	0.010	-40.00	-39.00	0.00
-87	0.010	-40.00	-39.00	0.00
-86	0.010	-39.94	-38.94	0.00
-85	0.019	-34.30	-33.30	0.00
-84	0.028	-30.91	-29.91	0.00
-83	0.038	-28.42	-27.42	0.00
-82	0.047	-26.48	-25.48	0.00
-81	0.057	-24.86	-23.86	0.00
-80	0.067	-23.49	-22.49	0.01
-79	0.077	-22.27	-21.27	0.01
-78	0.087	-21.20	-20.20	0.01
-77	0.098	-20.21	-19.21	0.01
-76	0.108	-19.33	-18.33	0.01
-75	0.119	-18.49	-17.49	0.02
-74	0.130	-17.73	-16.73	0.02
-73	0.141	-17.01	-16.01	0.03
-72	0.152	-16.34	-15.34	0.03
-71	0.164	-15.69	-14.69	0.03
-70	0.176	-15.08	-14.08	0.04
-69	0.188	-14.50	-13.50	0.04
-68	0.201	-13.95	-12.95	0.05
-67	0.214	-13.41	-12.41	0.06
-66	0.226	-12.90	-11.90	0.06
-65	0.240	-12.40	-11.40	0.07
-64	0.254	-11.92	-10.92	0.08
-63	0.268	-11.45	-10.45	0.09
-62	0.282	-11.01	-10.01	0.10
-61	0.296	-10.57	-9.57	0.11
-60	0.310	-10.16	-9.16	0.12
-59	0.326	-9.75	-8.75	0.13
-58	0.341	-9.35	-8.35	0.15
-57	0.356	-8.96	-7.96	0.16
-56	0.372	-8.59	-7.59	0.17
-55	0.388	-8.22	-7.22	0.19
-54	0.404	-7.87	-6.87	0.21
-53	0.421	-7.52	-6.52	0.22
-52	0.438	-7.18	-6.18	0.24
-51	0.455	-6.85	-5.85	0.26
-50	0.472	-6.53	-5.53	0.28
-49	0.489	-6.22	-5.22	0.30
-48	0.506	-5.92	-4.92	0.32
-47	0.523	-5.63	-4.63	0.34

-46	0.541	-5.34	-4.34	0.37
-45	0.558	-5.07	-4.07	0.39
-44	0.575	-4.80	-3.80	0.42
-43	0.593	-4.54	-3.54	0.44
-42	0.610	-4.29	-3.29	0.47
-41	0.628	-4.05	-3.05	0.50
-40	0.645	-3.81	-2.81	0.52
-39	0.662	-3.59	-2.59	0.55
-38	0.678	-3.37	-2.37	0.58
-37	0.695	-3.16	-2.16	0.61
-36	0.711	-2.96	-1.96	0.64
-35	0.727	-2.77	-1.77	0.67
-34	0.743	-2.58	-1.58	0.70
-33	0.758	-2.40	-1.40	0.72
-32	0.774	-2.23	-1.23	0.75
-31	0.788	-2.07	-1.07	0.78
-30	0.803	-1.91	-0.91	0.81
-29	0.816	-1.76	-0.76	0.84
-28	0.830	-1.62	-0.62	0.87
-27	0.842	-1.49	-0.49	0.89
-26	0.855	-1.36	-0.36	0.92
-25	0.867	-1.24	-0.24	0.95
-24	0.878	-1.13	-0.13	0.97
-23	0.889	-1.02	-0.02	1.00
-22	0.899	-0.92	0.08	1.02
-21	0.909	-0.83	0.17	1.04
-20	0.918	-0.74	0.26	1.06
-19	0.927	-0.66	0.34	1.08
-18	0.935	-0.58	0.42	1.10
-17	0.942	-0.51	0.49	1.12
-16	0.950	-0.45	0.55	1.14
-15	0.956	-0.39	0.61	1.15
-14	0.962	-0.34	0.66	1.16
-13	0.967	-0.29	0.71	1.18
-12	0.973	-0.24	0.76	1.19
-11	0.977	-0.20	0.80	1.20
-10	0.982	-0.16	0.84	1.21
-9	0.985	-0.13	0.87	1.22
-8	0.989	-0.10	0.90	1.23
-7	0.991	-0.08	0.92	1.24
-6	0.993	-0.06	0.94	1.24
-5	0.995	-0.04	0.96	1.25
-4	0.997	-0.03	0.97	1.25
-3	0.998	-0.02	0.98	1.25
-2	0.999	-0.01	0.99	1.26
-1	0.999	-0.00	1.00	1.26
0	1.000	0.00	1.00	1.26
1	0.999	-0.00	1.00	1.26
2	0.999	-0.01	0.99	1.26
3	0.998	-0.02	0.98	1.25
4	0.997	-0.03	0.97	1.25
5	0.995	-0.04	0.96	1.25
6	0.993	-0.06	0.94	1.24
7	0.991	-0.08	0.92	1.24
8	0.989	-0.10	0.90	1.23
9	0.985	-0.13	0.87	1.22
10	0.982	-0.16	0.84	1.21
11	0.977	-0.20	0.80	1.20
12	0.973	-0.24	0.76	1.19

13	0.967	-0.29	0.71	1.18
14	0.962	-0.34	0.66	1.16
15	0.956	-0.39	0.61	1.15
16	0.950	-0.45	0.55	1.14
17	0.942	-0.51	0.49	1.12
18	0.935	-0.58	0.42	1.10
19	0.927	-0.66	0.34	1.08
20	0.918	-0.74	0.26	1.06
21	0.909	-0.83	0.17	1.04
22	0.899	-0.92	0.08	1.02
23	0.889	-1.02	-0.02	1.00
24	0.878	-1.13	-0.13	0.97
25	0.867	-1.24	-0.24	0.95
26	0.855	-1.36	-0.36	0.92
27	0.842	-1.49	-0.49	0.89
28	0.830	-1.62	-0.62	0.87
29	0.816	-1.76	-0.76	0.84
30	0.803	-1.91	-0.91	0.81
31	0.788	-2.07	-1.07	0.78
32	0.774	-2.23	-1.23	0.75
33	0.758	-2.40	-1.40	0.72
34	0.743	-2.58	-1.58	0.70
35	0.727	-2.77	-1.77	0.67
36	0.711	-2.96	-1.96	0.64
37	0.695	-3.16	-2.16	0.61
38	0.678	-3.37	-2.37	0.58
39	0.662	-3.59	-2.59	0.55
40	0.645	-3.81	-2.81	0.52
41	0.628	-4.05	-3.05	0.50
42	0.610	-4.29	-3.29	0.47
43	0.593	-4.54	-3.54	0.44
44	0.575	-4.80	-3.80	0.42
45	0.558	-5.07	-4.07	0.39
46	0.541	-5.34	-4.34	0.37
47	0.523	-5.63	-4.63	0.34
48	0.506	-5.92	-4.92	0.32
49	0.489	-6.22	-5.22	0.30
50	0.472	-6.53	-5.53	0.28
51	0.455	-6.85	-5.85	0.26
52	0.438	-7.18	-6.18	0.24
53	0.421	-7.52	-6.52	0.22
54	0.404	-7.87	-6.87	0.21
55	0.388	-8.22	-7.22	0.19
56	0.372	-8.59	-7.59	0.17
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70	0.176	-15.08	-14.08	0.04
71	0.164	-15.69	-14.69	0.03

72	0.152	-16.34	-15.34	0.03
73	0.141	-17.01	-16.01	0.03
74	0.130	-17.73	-16.73	0.02
75	0.119	-18.49	-17.49	0.02
76	0.108	-19.33	-18.33	0.01
77	0.098	-20.21	-19.21	0.01
78	0.087	-21.20	-20.20	0.01
79	0.077	-22.27	-21.27	0.01
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88	0.010	-40.00	-39.00	0.00
89	0.017	-35.56	-34.56	0.00
90	0.025	-31.89	-30.89	0.00