



SCALA FMV VERTICAL DIPOLE
GAIN: 1.0 dBd.
VERTICAL POLARIZATION
VERTICAL PLANE PATTERN

SCALA

ELECTRONIC CORPORATION

MEDFORD, OREGON (USA)

(503) 778-8500

FAX: (503) 778-3991

FORM: E-100-01 REV: 13/FEB/91

ONE SCALA FMV VERTICAL DIPOLE ANTENNA
VERTICAL POLARIZATION - VERTICAL PLANE PATTERN

AZIMUTH	RELATIVE VOLTAGE	RELATIVE dB	DBD	POWER GA
Horizon → 90	1.000	0.0		
91	0.999	-0.0	1.0	1.259
92	0.999	-0.0	1.0	1.259
93	0.998	-0.0	1.0	1.259
94	0.997	-0.0	1.0	1.259
95	0.995	-0.0	1.0	1.259
96	0.993	-0.1	1.0	1.259
97	0.991	-0.1	0.9	1.230
98	0.989	-0.1	0.9	1.230
99	0.985	-0.1	0.9	1.230
100	0.982	-0.2	0.9	1.230
101	0.977	-0.2	0.8	1.202
102	0.973	-0.2	0.8	1.202
103	0.967	-0.3	0.8	1.202
104	0.962	-0.3	0.7	1.175
105	0.956	-0.4	0.7	1.175
106	0.950	-0.5	0.6	1.148
107	0.942	-0.5	0.5	1.122
108	0.935	-0.6	0.5	1.122
109	0.927	-0.7	0.4	1.096
110	0.918	-0.7	0.3	1.072
111	0.909	-0.8	0.3	1.072
112	0.899	-0.9	0.2	1.047
113	0.889	-1.0	0.1	1.023
114	0.878	-1.1	-0.0	1.000
115	0.867	-1.2	-0.1	0.977
116	0.855	-1.4	-0.2	0.955
117	0.842	-1.5	-0.4	0.912
118	0.830	-1.6	-0.5	0.891
119	0.816	-1.8	-0.6	0.871
120	0.803	-1.9	-0.8	0.832
121	0.788	-2.1	-0.9	0.813
122	0.774	-2.2	-1.1	0.776
123	0.758	-2.4	-1.2	0.759
124	0.743	-2.6	-1.4	0.724
125	0.727	-2.8	-1.6	0.692
126	0.711	-3.0	-1.8	0.661
127	0.695	-3.2	-2.0	0.631
128	0.678	-3.4	-2.2	0.603
129	0.662	-3.6	-2.4	0.575
130	0.645	-3.8	-2.6	0.550
131	0.628	-4.0	-2.8	0.525
132	0.610	-4.3	-3.0	0.501
133	0.593	-4.5	-3.3	0.468
134	0.575	-4.8	-3.5	0.447
135	0.558	-5.1	-3.8	0.417
136	0.541	-5.3	-4.1	0.389
137	0.523	-5.6	-4.3	0.372
138	0.506	-5.9	-4.6	0.347
139	0.489	-6.2	-4.9	0.324
140	0.472	-6.5	-5.2	0.302
			-5.5	0.282

ONE SCALA FMV VERTICAL DIPOLE ANTENNA
VERTICAL POLARIZATION - VERTICAL PLANE PATTERN

AZIMUTH	RELATIVE VOLTAGE	RELATIVE dB	DBD	POWER GA
141	0.455	-6.8	-5.8	0.263
142	0.438	-7.2	-6.2	0.240
143	0.421	-7.5	-6.5	0.224
144	0.404	-7.9	-6.9	0.204
145	0.388	-8.2	-7.2	0.191
146	0.372	-8.6	-7.6	0.174
147	0.356	-9.0	-8.0	0.158
148	0.341	-9.4	-8.4	0.145
149	0.326	-9.7	-8.7	0.135
150	0.310	-10.2	-9.2	0.120
151	0.296	-10.6	-9.6	0.110
152	0.282	-11.0	-10.0	0.100
153	0.268	-11.5	-10.5	0.089
154	0.254	-11.9	-10.9	0.081
155	0.240	-12.4	-11.4	0.072
156	0.226	-12.9	-11.9	0.065
157	0.214	-13.4	-12.4	0.058
158	0.201	-13.9	-12.9	0.051
159	0.188	-14.5	-13.5	0.045
160	0.176	-15.1	-14.1	0.039
161	0.164	-15.7	-14.7	0.034
162	0.152	-16.3	-15.3	0.030
163	0.141	-17.0	-16.0	0.025
164	0.130	-17.7	-16.7	0.021
165	0.119	-18.5	-17.5	0.018
166	0.108	-19.3	-18.3	0.015
167	0.098	-20.2	-19.2	0.012
168	0.087	-21.2	-20.2	0.010
169	0.077	-22.3	-21.3	0.007
170	0.067	-23.5	-22.5	0.006
171	0.057	-24.9	-23.9	0.004
172	0.047	-26.5	-25.5	0.003
173	0.038	-28.4	-27.4	0.002
174	0.028	-30.9	-29.9	0.001
175	0.019	-34.3	-33.3	0.000
176	0.010	-39.9	-38.9	0.000
177	0.010	-40.0	-39.0	0.000
178	0.010	-40.0	-39.0	0.000
179	0.017	-35.6	-34.6	0.000
180	0.025	-31.9	-30.9	0.001