

ELECTRONICS RESEARCH, INC.
7777 GARDNER ROAD
CHANDLER, IN. 47610

FIGURE 2V

FEBRUARY 7, 2005

ERI MODEL COG-1083-10CP ANTENNA
92.9 MHz. 10 LEVELS SPACED 92 INCHES

THETA DEGREES	FIELD VALUE
90	.0226
89.5	.0234
89	.0242
88.5	.025
88	.0258
87.5	.0265
87	.0272
86.5	.0278
86	.0284
85.5	.029
85	.0295
84.5	.0299
84	.0303
83.5	.0306
83	.0309
82.5	.031
82	.0311
81.5	.0311
81	.0309
80.5	.0307
80	.0303
79.5	.0298
79	.0292
78.5	.0284
78	.0275
77.5	.0265
77	.0252
76.5	.0239
76	.0223
75.5	.0206
75	.0187
74.5	.0167
74	.0145
73.5	.0122
73	.00991
72.5	.00768
72	.00592
71.5	.00541
71	.00667
70.5	.00912
70	.0121
69.5	.0155
69	.0189
68.5	.0225
68	.0261
67.5	.0297
67	.0332
66.5	.0367

66	.04
65.5	.0431
65	.046
64.5	.0486
64	.0509
63.5	.0529
63	.0544
62.5	.0555
62	.0561
61.5	.0562
61	.0558
60.5	.0547
60	.0531
59.5	.0509
59	.048
58.5	.0445
58	.0405
57.5	.0358
57	.0306
56.5	.025
56	.0189
55.5	.0125
55	.00617
54.5	.00339
54	.00919
53.5	.0161
53	.0229
52.5	.0296
52	.0359
51.5	.0417
51	.0469
50.5	.0514
50	.055
49.5	.0576
49	.0591
48.5	.0595
48	.0586
47.5	.0564
47	.053
46.5	.0482
46	.0422
45.5	.035
45	.0267
44.5	.0173
44	.00715
43.5	.00372
43	.0151
42.5	.0267
42	.0383
41.5	.0496
41	.0605
40.5	.0705
40	.0795
39.5	.0871
39	.0932
38.5	.0975
38	.0999
37.5	.1
37	.0982
36.5	.0941
36	.0877

35.5	.0794
35	.0692
34.5	.0577
34	.0457
33.5	.0352
33	.0302
32.5	.0348
32	.0466
31.5	.0614
31	.0769
30.5	.0919
30	.106
29.5	.117
29	.127
28.5	.133
28	.137
27.5	.137
27	.134
26.5	.128
26	.118
25.5	.105
25	.0896
24.5	.0726
24	.0554
23.5	.0415
23	.0376
22.5	.0473
22	.0641
21.5	.0827
21	.101
20.5	.116
20	.129
19.5	.137
19	.141
18.5	.14
18	.135
17.5	.124
17	.108
16.5	.0875
16	.0634
15.5	.037
15	.0177
14.5	.0358
14	.0668
13.5	.0988
13	.129
12.5	.157
12	.18
11.5	.198
11	.209
10.5	.212
10	.207
9.5	.193
9	.169
8.5	.136
8	.093
7.5	.0423
7	.0266
6.5	.0916
6	.166
5.5	.246

5	.33
4.5	.416
4	.502
3.5	.587
3	.667
2.5	.743
2	.811
1.5	.871
1	.921
.5	.959
0	.985
-.5	.998
-1	.998
-1.5	.985
-2	.959
-2.5	.921
-3	.872
-3.5	.812
-4	.744
-4.5	.668
-5	.587
-5.5	.502
-6	.416
-6.5	.331
-7	.25
-7.5	.177
-8	.121
-8.5	.0994
-9	.12
-9.5	.158
-10	.196
-10.5	.229
-11	.253
-11.5	.269
-12	.276
-12.5	.274
-13	.265
-13.5	.248
-14	.226
-14.5	.199
-15	.169
-15.5	.137
-16	.105
-16.5	.0756
-17	.0536
-17.5	.0481
-18	.0598
-18.5	.0779
-19	.0956
-19.5	.11
-20	.121
-20.5	.127
-21	.129
-21.5	.127
-22	.12
-22.5	.11
-23	.0963
-23.5	.0805
-24	.0629
-24.5	.0443
-25	.0259

-25.5	.0118
-26	.0183
-26.5	.0337
-27	.0486
-27.5	.0617
-28	.0724
-28.5	.0804
-29	.0856
-29.5	.088
-30	.0875
-30.5	.0844
-31	.0789
-31.5	.0712
-32	.0616
-32.5	.0505
-33	.0383
-33.5	.0255
-34	.0125
-34.5	.00409
-35	.0145
-35.5	.0262
-36	.0369
-36.5	.0463
-37	.0541
-37.5	.0602
-38	.0645
-38.5	.0669
-39	.0673
-39.5	.0658
-40	.0626
-40.5	.0577
-41	.0512
-41.5	.0435
-42	.0346
-42.5	.0249
-43	.0145
-43.5	.00369
-44	.00728
-44.5	.0182
-45	.0288
-45.5	.039
-46	.0484
-46.5	.0571
-47	.0647
-47.5	.0713
-48	.0767
-48.5	.0809
-49	.0838
-49.5	.0854
-50	.0857
-50.5	.0849
-51	.0829
-51.5	.0798
-52	.0757
-52.5	.0707
-53	.065
-53.5	.0587
-54	.052
-54.5	.045
-55	.0381
-55.5	.0316

-56	.0261
-56.5	.0227
-57	.0222
-57.5	.0247
-58	.0292
-58.5	.0346
-59	.0405
-59.5	.0463
-60	.0518
-60.5	.057
-61	.0617
-61.5	.0659
-62	.0695
-62.5	.0726
-63	.0751
-63.5	.077
-64	.0784
-64.5	.0792
-65	.0795
-65.5	.0793
-66	.0787
-66.5	.0777
-67	.0763
-67.5	.0745
-68	.0725
-68.5	.0701
-69	.0676
-69.5	.0648
-70	.062
-70.5	.059
-71	.0559
-71.5	.0527
-72	.0496
-72.5	.0464
-73	.0433
-73.5	.0402
-74	.0372
-74.5	.0343
-75	.0316
-75.5	.0289
-76	.0265
-76.5	.0241
-77	.022
-77.5	.0201
-78	.0184
-78.5	.0169
-79	.0156
-79.5	.0145
-80	.0137
-80.5	.0131
-81	.0126
-81.5	.0123
-82	.0121
-82.5	.0121
-83	.0121
-83.5	.0121
-84	.0121
-84.5	.0121
-85	.0121
-85.5	.0121
-86	.012

-86.5	.012
-87	.0118
-87.5	.0116
-88	.0114
-88.5	.0112
-89	.0109
-89.5	.0105
-90	.0102