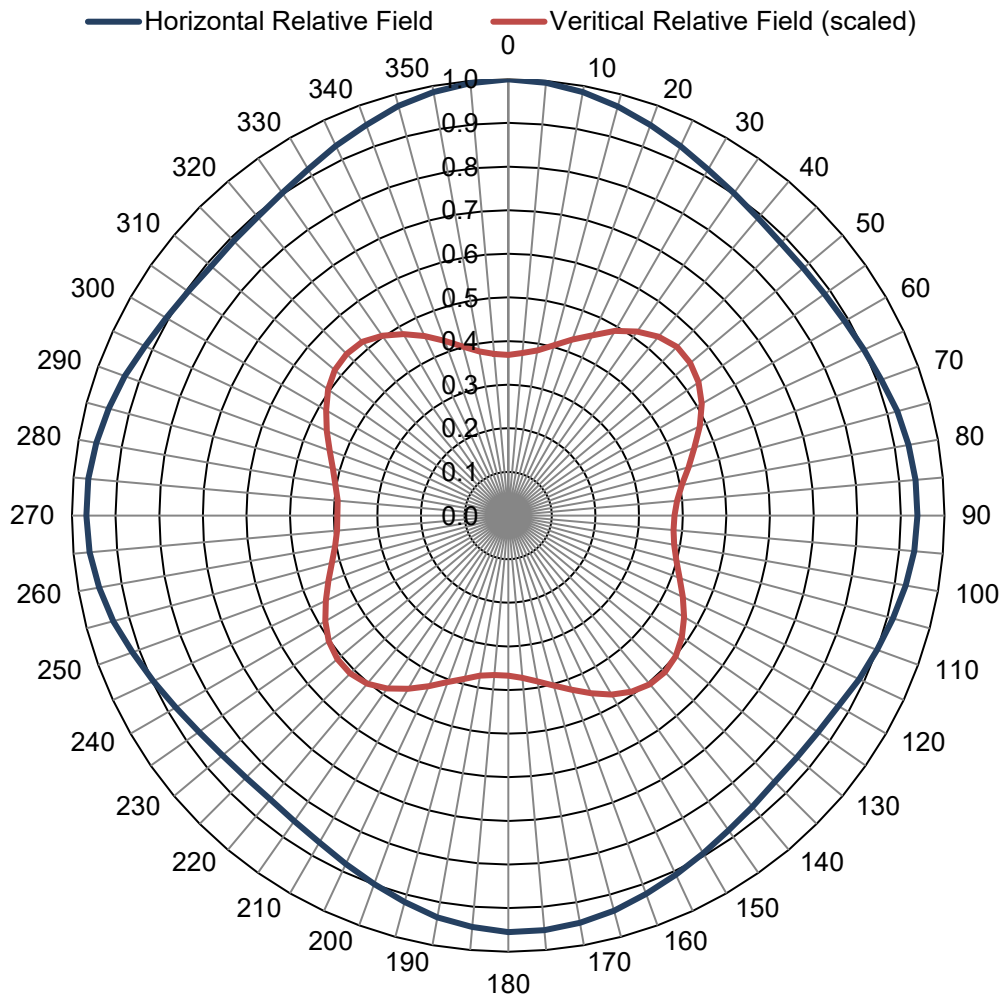
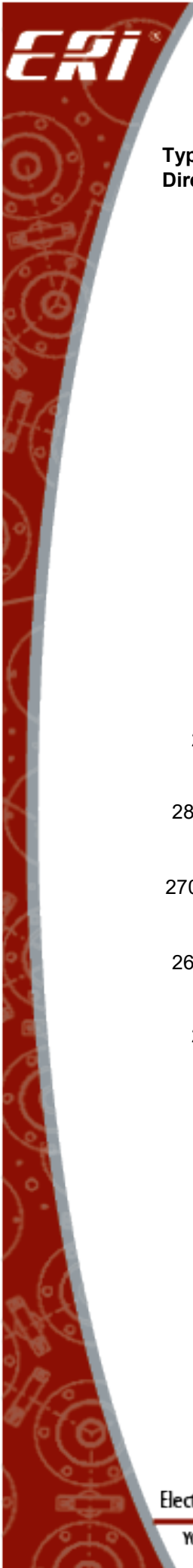


Composite Azimuth Patterns

Type:	CASCADE OMNIDIRECTIONAL	Polarization:	Elliptical
Directivity (H-Pol):	1.19 numeric (0.76 dB)	NOTE: Pattern shape and directivity may vary with channel and mounting	
Directivity (V-Pol):	1.49 numeric (1.73 dB)		
ERP V/H Ratio::	30.00%		

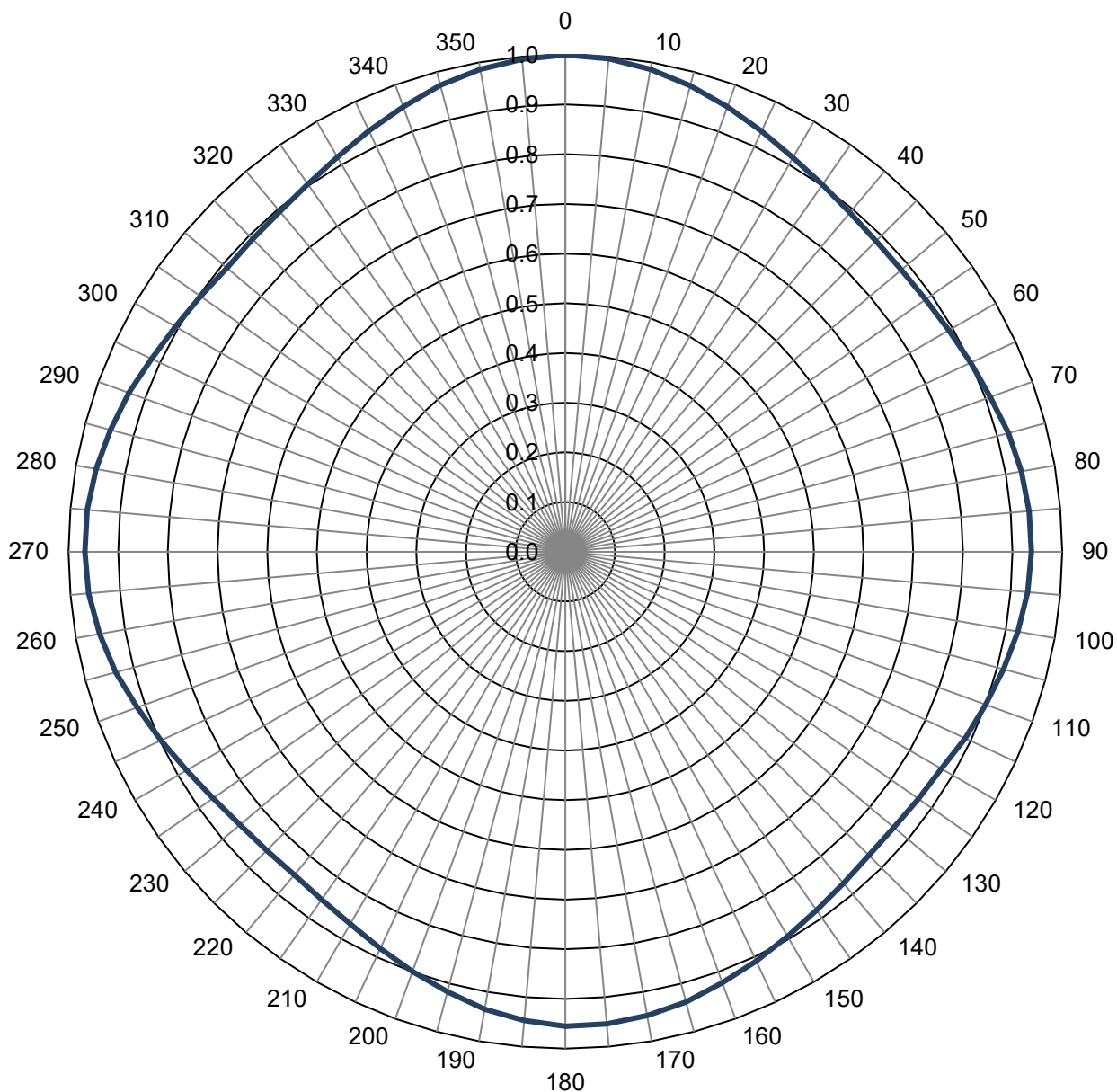




Azimuth Pattern

Type: CASCADE OMNIDIRECTIONAL Polarization: Horizontal
Directivity: 1.19 numeric (0.76 dB) NOTE: Pattern shape and directivity may vary with channel and mounting configuration.

Relative Field



Tabulated Data for Azimuth Pattern

Type:

CASCADE OMNIDIRECTIONAL

Polarization:

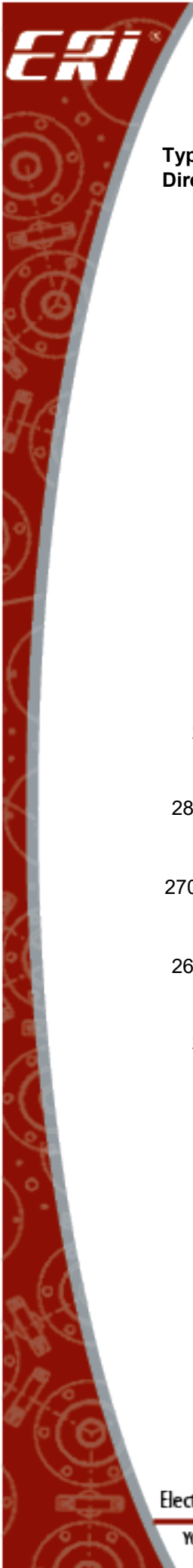
Horizontal

Angle	Field	dB
0	1.000	0.00
2	0.999	-0.01
4	0.997	-0.03
6	0.994	-0.05
8	0.990	-0.09
10	0.986	-0.12
12	0.980	-0.18
14	0.974	-0.23
16	0.968	-0.28
18	0.960	-0.35
20	0.953	-0.42
22	0.945	-0.49
24	0.937	-0.57
26	0.931	-0.62
28	0.923	-0.70
30	0.916	-0.76
32	0.910	-0.82
34	0.905	-0.87
36	0.899	-0.92
38	0.895	-0.96
40	0.891	-1.00
42	0.888	-1.03
44	0.886	-1.05
46	0.884	-1.07
48	0.883	-1.08
50	0.883	-1.08
52	0.883	-1.08
54	0.885	-1.06
56	0.886	-1.05
58	0.888	-1.03
60	0.891	-1.00
62	0.894	-0.97
64	0.899	-0.92
66	0.902	-0.90
68	0.907	-0.85
70	0.910	-0.82
72	0.916	-0.76
74	0.921	-0.71
76	0.925	-0.68
78	0.928	-0.65
80	0.932	-0.61
82	0.935	-0.58
84	0.936	-0.57
86	0.938	-0.56
88	0.939	-0.55
90	0.938	-0.56
92	0.937	-0.57
94	0.935	-0.58
96	0.933	-0.60
98	0.929	-0.64

Angle	Field	dB
100	0.925	-0.68
102	0.921	-0.71
104	0.916	-0.76
106	0.910	-0.82
108	0.906	-0.86
110	0.900	-0.92
112	0.894	-0.97
114	0.889	-1.02
116	0.884	-1.07
118	0.880	-1.11
120	0.874	-1.17
122	0.871	-1.20
124	0.868	-1.23
126	0.866	-1.25
128	0.864	-1.27
130	0.863	-1.28
132	0.862	-1.29
134	0.864	-1.27
136	0.866	-1.25
138	0.868	-1.23
140	0.871	-1.20
142	0.874	-1.17
144	0.878	-1.13
146	0.883	-1.08
148	0.888	-1.03
150	0.894	-0.97
152	0.900	-0.92
154	0.905	-0.87
156	0.912	-0.80
158	0.917	-0.75
160	0.923	-0.70
162	0.931	-0.62
164	0.935	-0.58
166	0.941	-0.53
168	0.945	-0.49
170	0.948	-0.46
172	0.952	-0.43
174	0.953	-0.42
176	0.955	-0.40
178	0.954	-0.41
180	0.955	-0.40
182	0.951	-0.44
184	0.949	-0.45
186	0.945	-0.49
188	0.940	-0.54
190	0.935	-0.58
192	0.928	-0.65
194	0.921	-0.71
196	0.914	-0.78
198	0.906	-0.86

Angle	Field	dB
200	0.899	-0.92
202	0.892	-0.99
204	0.883	-1.08
206	0.878	-1.13
208	0.871	-1.20
210	0.865	-1.26
212	0.860	-1.31
214	0.857	-1.34
216	0.853	-1.38
218	0.850	-1.41
220	0.849	-1.42
222	0.849	-1.42
224	0.848	-1.43
226	0.850	-1.41
228	0.852	-1.39
230	0.855	-1.36
232	0.859	-1.32
234	0.863	-1.28
236	0.869	-1.22
238	0.874	-1.17
240	0.880	-1.11
242	0.887	-1.04
244	0.894	-0.97
246	0.901	-0.91
248	0.910	-0.82
250	0.917	-0.75
252	0.925	-0.68
254	0.932	-0.61
256	0.939	-0.55
258	0.946	-0.48
260	0.952	-0.43
262	0.957	-0.38
264	0.960	-0.35
266	0.963	-0.33
268	0.966	-0.30
270	0.967	-0.29
272	0.967	-0.29
274	0.967	-0.29
276	0.965	-0.31
278	0.963	-0.33
280	0.959	-0.36
282	0.955	-0.40
284	0.951	-0.44
286	0.945	-0.49
288	0.940	-0.54
290	0.935	-0.58
292	0.929	-0.64
294	0.922	-0.71
296	0.916	-0.76
298	0.911	-0.81

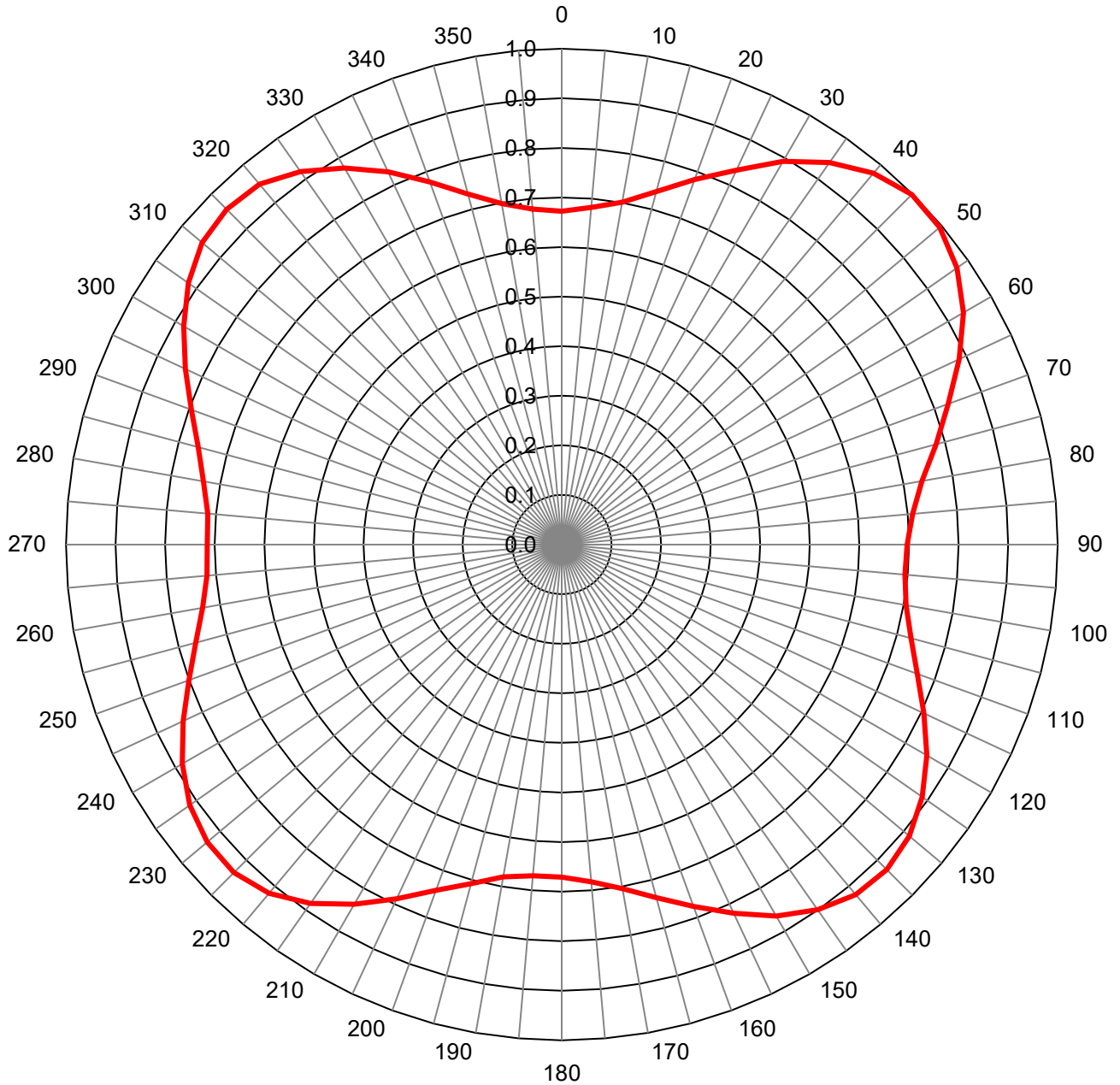
Angle	Field	dB
300	0.906	-0.86
302	0.902	-0.90
304	0.898	-0.93
306	0.895	-0.96
308	0.892	-0.99
310	0.889	-1.02
312	0.888	-1.03
314	0.889	-1.02
316	0.889	-1.02
318	0.891	-1.00
320	0.894	-0.97
322	0.897	-0.94
324	0.901	-0.91
326	0.906	-0.86
328	0.911	-0.81
330	0.917	-0.75
332	0.924	-0.69
334	0.931	-0.62
336	0.938	-0.56
338	0.946	-0.48
340	0.953	-0.42
342	0.961	-0.35
344	0.968	-0.28
346	0.975	-0.22
348	0.981	-0.17
350	0.986	-0.12
352	0.990	-0.09
354	0.994	-0.05
356	0.998	-0.02
358	0.999	-0.01
360	1.000	0.00



Azimuth Pattern

Type: CASCADE OMNIDIRECTIONAL Polarization: Vertical
Directivity: 1.49 numeric (1.73 dB) NOTE: Pattern shape and directivity may vary with channel and mounting configuration.

Relative Field



Tabulated Data for Azimuth Pattern

Type:

CASCADE OMNIDIRECTIONAL

Polarization:

Vertical

Angle	Field	dB
0	0.672	-3.45
2	0.678	-3.38
4	0.678	-3.38
6	0.684	-3.30
8	0.693	-3.19
10	0.701	-3.08
12	0.715	-2.91
14	0.729	-2.75
16	0.744	-2.57
18	0.764	-2.33
20	0.783	-2.12
22	0.804	-1.90
24	0.826	-1.66
26	0.846	-1.45
28	0.870	-1.21
30	0.892	-0.99
32	0.913	-0.79
34	0.932	-0.62
36	0.949	-0.46
38	0.964	-0.32
40	0.978	-0.19
42	0.988	-0.10
44	0.995	-0.05
46	1.000	0.00
48	0.997	-0.03
50	0.995	-0.05
52	0.988	-0.10
54	0.976	-0.21
56	0.966	-0.30
58	0.950	-0.44
60	0.935	-0.58
62	0.915	-0.78
64	0.894	-0.97
66	0.872	-1.19
68	0.851	-1.40
70	0.829	-1.63
72	0.810	-1.83
74	0.788	-2.07
76	0.771	-2.26
78	0.756	-2.43
80	0.737	-2.65
82	0.723	-2.81
84	0.713	-2.93
86	0.705	-3.04
88	0.698	-3.12
90	0.696	-3.14
92	0.691	-3.21
94	0.694	-3.17
96	0.694	-3.17
98	0.698	-3.12

Angle	Field	dB
100	0.705	-3.04
102	0.715	-2.91
104	0.723	-2.81
106	0.736	-2.67
108	0.749	-2.51
110	0.763	-2.35
112	0.778	-2.18
114	0.797	-1.97
116	0.812	-1.81
118	0.829	-1.63
120	0.850	-1.41
122	0.865	-1.26
124	0.880	-1.11
126	0.894	-0.97
128	0.908	-0.84
130	0.915	-0.78
132	0.923	-0.69
134	0.925	-0.68
136	0.927	-0.66
138	0.927	-0.66
140	0.921	-0.71
142	0.915	-0.78
144	0.906	-0.86
146	0.894	-0.97
148	0.879	-1.12
150	0.865	-1.26
152	0.848	-1.43
154	0.831	-1.61
156	0.812	-1.81
158	0.795	-1.99
160	0.777	-2.20
162	0.759	-2.39
164	0.744	-2.57
166	0.727	-2.77
168	0.715	-2.91
170	0.705	-3.04
172	0.693	-3.19
174	0.686	-3.27
176	0.679	-3.36
178	0.674	-3.43
180	0.671	-3.47
182	0.671	-3.47
184	0.671	-3.47
186	0.672	-3.45
188	0.676	-3.40
190	0.681	-3.34
192	0.691	-3.21
194	0.700	-3.10
196	0.712	-2.95
198	0.727	-2.77

Angle	Field	dB
200	0.742	-2.59
202	0.759	-2.39
204	0.780	-2.16
206	0.799	-1.95
208	0.817	-1.75
210	0.838	-1.54
212	0.855	-1.36
214	0.876	-1.15
216	0.892	-0.99
218	0.904	-0.87
220	0.918	-0.74
222	0.928	-0.65
224	0.933	-0.60
226	0.937	-0.57
228	0.935	-0.58
230	0.933	-0.60
232	0.928	-0.65
234	0.920	-0.73
236	0.910	-0.82
238	0.898	-0.94
240	0.884	-1.07
242	0.869	-1.22
244	0.851	-1.40
246	0.834	-1.57
248	0.817	-1.75
250	0.800	-1.93
252	0.787	-2.08
254	0.771	-2.26
256	0.758	-2.41
258	0.748	-2.53
260	0.736	-2.67
262	0.729	-2.75
264	0.722	-2.83
266	0.717	-2.89
268	0.715	-2.91
270	0.715	-2.91
272	0.715	-2.91
274	0.717	-2.89
276	0.722	-2.83
278	0.727	-2.77
280	0.734	-2.69
282	0.744	-2.57
284	0.754	-2.45
286	0.764	-2.33
288	0.780	-2.16
290	0.795	-1.99
292	0.810	-1.83
294	0.829	-1.63
296	0.848	-1.43
298	0.865	-1.26

Angle	Field	dB
300	0.880	-1.11
302	0.898	-0.94
304	0.915	-0.78
306	0.927	-0.66
308	0.937	-0.57
310	0.947	-0.47
312	0.952	-0.43
314	0.957	-0.38
316	0.959	-0.36
318	0.954	-0.41
320	0.949	-0.46
322	0.940	-0.53
324	0.927	-0.66
326	0.911	-0.81
328	0.894	-0.97
330	0.877	-1.14
332	0.860	-1.31
334	0.836	-1.55
336	0.816	-1.77
338	0.797	-1.97
340	0.778	-2.18
342	0.759	-2.39
344	0.741	-2.61
346	0.723	-2.81
348	0.710	-2.98
350	0.698	-3.12
352	0.690	-3.23
354	0.684	-3.30
356	0.676	-3.40
358	0.674	-3.43
360	0.672	-3.45