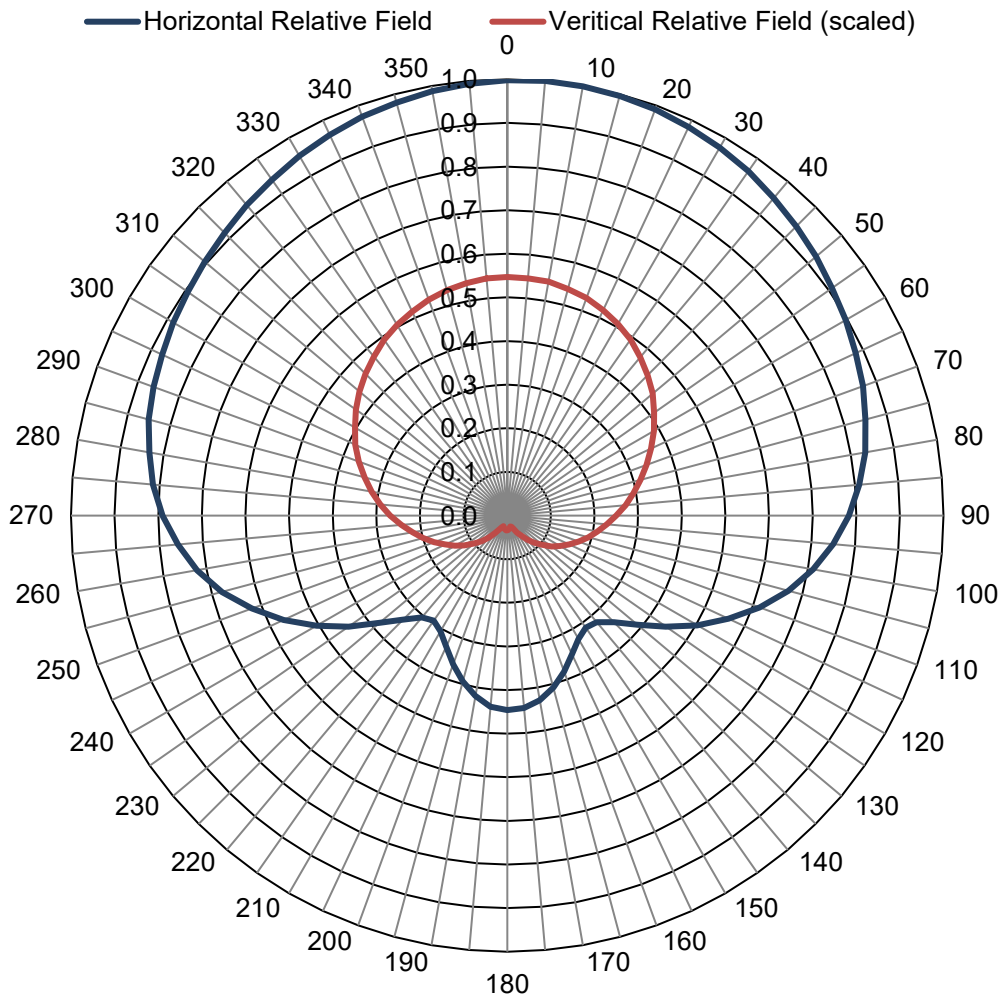
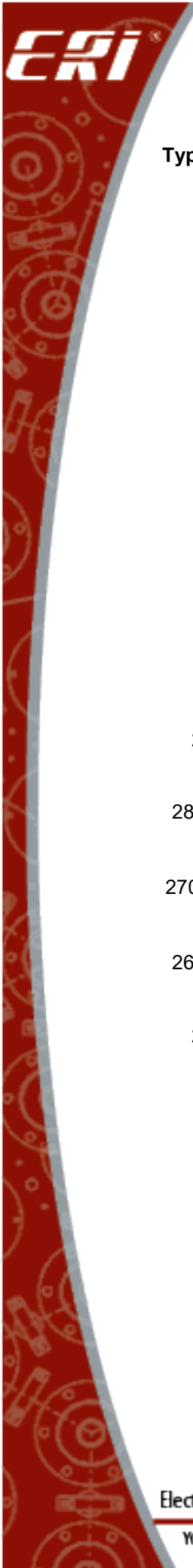


Composite Azimuth Patterns

Type:	CASCADE SKULL	Polarization:	Elliptical
Directivity (H-Pol):	1.83 numeric (2.62 dB)	NOTE: Pattern shape and directivity may vary with channel and mounting	
Directivity (V-Pol):	2.76 numeric (4.41 dB)		
ERP V/H Ratio:	30.00%		





Azimuth Pattern

Type:

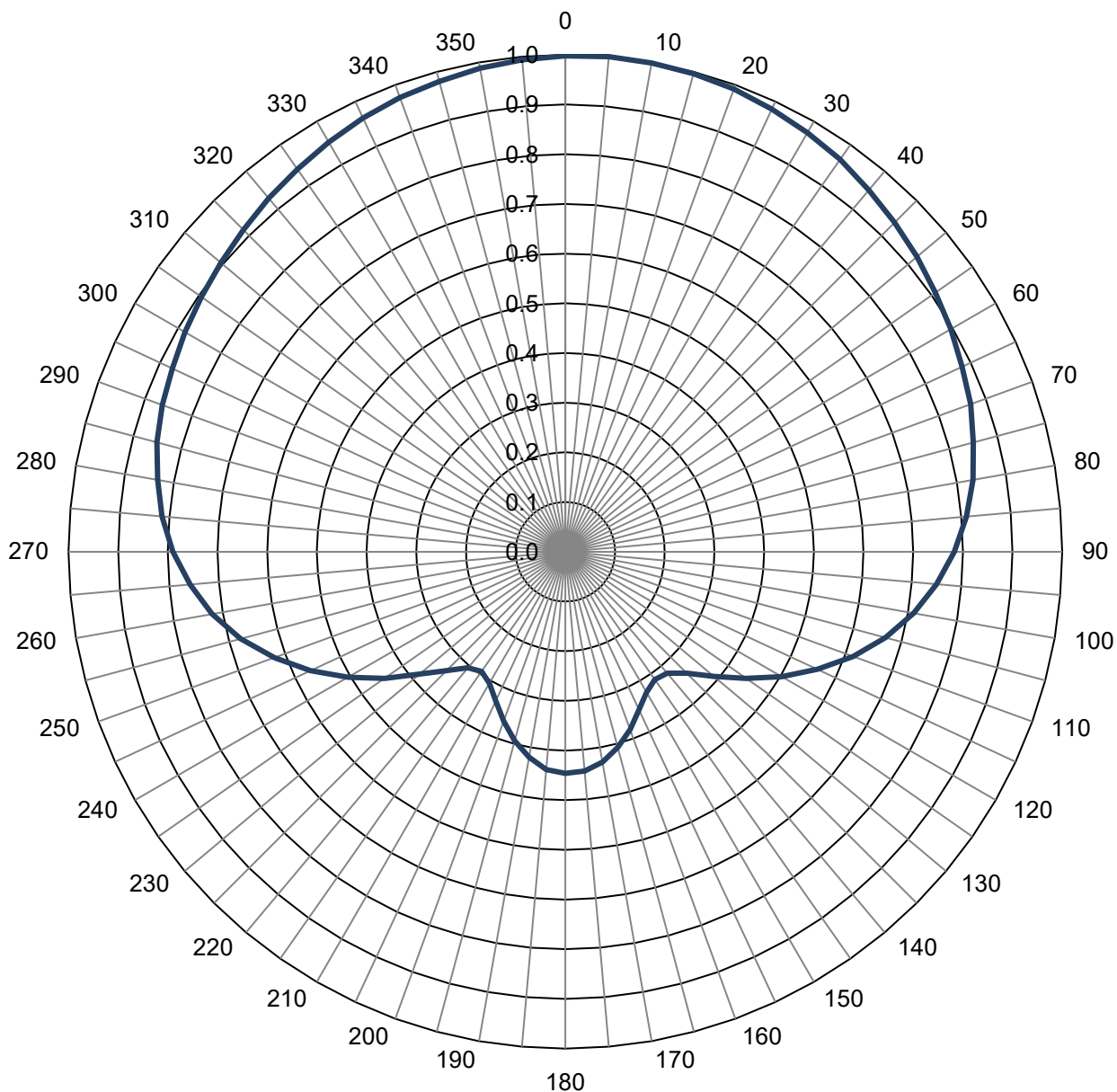
CASCADE SKULL

Polarization:

Horizontal

NOTE: Pattern shape and directivity may vary with channel and mounting configuration.

Relative Field



Tabulated Data for Azimuth Pattern

Type:

CASCADE SKULL

Polarization:

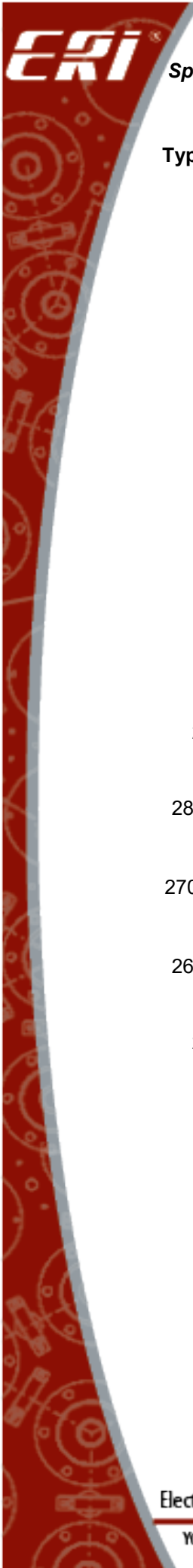
Horizontal

Angle	Field	dB
0	0.998	-0.02
2	0.999	-0.01
4	0.999	-0.01
6	0.999	-0.01
8	0.999	-0.01
10	0.999	-0.01
12	0.997	-0.03
14	0.997	-0.03
16	0.995	-0.04
18	0.993	-0.06
20	0.991	-0.08
22	0.988	-0.10
24	0.985	-0.13
26	0.982	-0.16
28	0.978	-0.19
30	0.974	-0.23
32	0.970	-0.26
34	0.965	-0.31
36	0.961	-0.35
38	0.955	-0.40
40	0.950	-0.45
42	0.945	-0.49
44	0.940	-0.54
46	0.934	-0.59
48	0.931	-0.62
50	0.924	-0.69
52	0.918	-0.74
54	0.912	-0.80
56	0.906	-0.86
58	0.902	-0.90
60	0.896	-0.95
62	0.890	-1.01
64	0.885	-1.06
66	0.879	-1.12
68	0.873	-1.18
70	0.868	-1.23
72	0.860	-1.31
74	0.854	-1.37
76	0.847	-1.44
78	0.840	-1.51
80	0.833	-1.59
82	0.824	-1.68
84	0.815	-1.78
86	0.805	-1.88
88	0.794	-2.00
90	0.783	-2.12
92	0.771	-2.26
94	0.758	-2.41
96	0.743	-2.58
98	0.728	-2.76

Angle	Field	dB
100	0.712	-2.95
102	0.693	-3.19
104	0.676	-3.40
106	0.657	-3.65
108	0.637	-3.92
110	0.616	-4.21
112	0.593	-4.54
114	0.571	-4.87
116	0.548	-5.22
118	0.525	-5.60
120	0.503	-5.97
122	0.478	-6.41
124	0.454	-6.86
126	0.432	-7.29
128	0.411	-7.72
130	0.390	-8.18
132	0.370	-8.64
134	0.352	-9.07
136	0.339	-9.40
138	0.328	-9.68
140	0.319	-9.92
142	0.315	-10.03
144	0.313	-10.09
146	0.315	-10.03
148	0.320	-9.90
150	0.327	-9.71
152	0.335	-9.50
154	0.346	-9.22
156	0.358	-8.92
158	0.368	-8.68
160	0.381	-8.38
162	0.392	-8.13
164	0.403	-7.89
166	0.413	-7.68
168	0.422	-7.49
170	0.430	-7.33
172	0.436	-7.21
174	0.442	-7.09
176	0.444	-7.05
178	0.446	-7.01
180	0.446	-7.01
182	0.445	-7.03
184	0.441	-7.11
186	0.437	-7.19
188	0.429	-7.35
190	0.420	-7.54
192	0.411	-7.72
194	0.401	-7.94
196	0.389	-8.20
198	0.376	-8.50

Angle	Field	dB
200	0.363	-8.80
202	0.350	-9.12
204	0.338	-9.42
206	0.325	-9.76
208	0.315	-10.03
210	0.306	-10.29
212	0.301	-10.43
214	0.296	-10.57
216	0.295	-10.60
218	0.297	-10.54
220	0.305	-10.31
222	0.315	-10.03
224	0.328	-9.68
226	0.345	-9.24
228	0.364	-8.78
230	0.383	-8.34
232	0.408	-7.79
234	0.429	-7.35
236	0.456	-6.82
238	0.480	-6.38
240	0.505	-5.93
242	0.530	-5.51
244	0.555	-5.11
246	0.579	-4.75
248	0.602	-4.41
250	0.623	-4.11
252	0.647	-3.78
254	0.666	-3.53
256	0.686	-3.27
258	0.704	-3.05
260	0.722	-2.83
262	0.736	-2.66
264	0.752	-2.48
266	0.766	-2.32
268	0.777	-2.19
270	0.790	-2.05
272	0.799	-1.95
274	0.811	-1.82
276	0.819	-1.73
278	0.827	-1.65
280	0.833	-1.59
282	0.841	-1.50
284	0.847	-1.44
286	0.852	-1.39
288	0.858	-1.33
290	0.863	-1.28
292	0.868	-1.23
294	0.871	-1.20
296	0.876	-1.15
298	0.879	-1.12

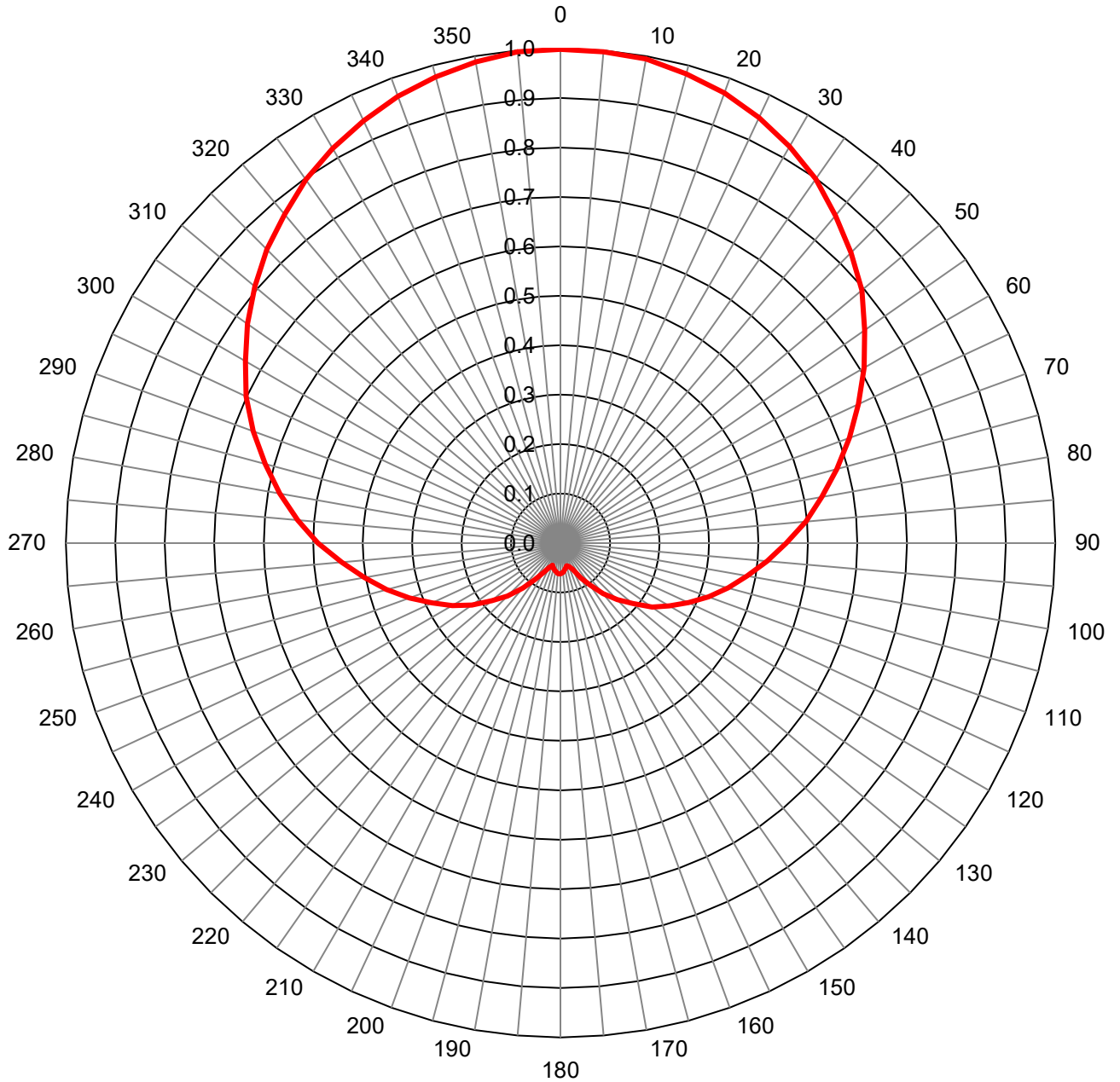
Angle	Field	dB
300	0.884	-1.07
302	0.888	-1.03
304	0.893	-0.98
306	0.897	-0.94
308	0.900	-0.92
310	0.905	-0.87
312	0.910	-0.82
314	0.915	-0.77
316	0.919	-0.73
318	0.924	-0.69
320	0.929	-0.64
322	0.933	-0.60
324	0.938	-0.56
326	0.943	-0.51
328	0.947	-0.47
330	0.952	-0.43
332	0.956	-0.39
334	0.960	-0.35
336	0.964	-0.32
338	0.969	-0.27
340	0.973	-0.24
342	0.976	-0.21
344	0.980	-0.18
346	0.983	-0.15
348	0.985	-0.13
350	0.988	-0.10
352	0.991	-0.08
354	0.993	-0.06
356	0.995	-0.04
358	0.997	-0.03
360	0.998	-0.02



Azimuth Pattern

Type: CASCADE SKULL Polarization: Vertical
NOTE: Pattern shape and directivity may vary with channel and mounting configuration.

Relative Field



Tabulated Data for Azimuth Pattern

Type:

CASCADE SKULL

Polarization:

Vertical

Angle	Field	dB
0	0.999	-0.01
2	0.997	-0.03
4	0.999	-0.01
6	0.999	-0.01
8	0.996	-0.04
10	0.994	-0.05
12	0.990	-0.09
14	0.985	-0.13
16	0.981	-0.17
18	0.976	-0.21
20	0.969	-0.28
22	0.963	-0.33
24	0.954	-0.41
26	0.947	-0.48
28	0.936	-0.57
30	0.926	-0.67
32	0.915	-0.77
34	0.903	-0.88
36	0.892	-1.00
38	0.878	-1.13
40	0.865	-1.26
42	0.853	-1.38
44	0.840	-1.52
46	0.823	-1.69
48	0.808	-1.85
50	0.795	-1.99
52	0.776	-2.21
54	0.759	-2.39
56	0.741	-2.60
58	0.728	-2.76
60	0.709	-2.99
62	0.691	-3.21
64	0.675	-3.42
66	0.655	-3.67
68	0.639	-3.89
70	0.621	-4.14
72	0.603	-4.39
74	0.587	-4.63
76	0.569	-4.90
78	0.554	-5.13
80	0.536	-5.41
82	0.520	-5.68
84	0.504	-5.96
86	0.487	-6.24
88	0.473	-6.51
90	0.456	-6.82
92	0.443	-7.08
94	0.426	-7.40
96	0.413	-7.68
98	0.397	-8.03

Angle	Field	dB
100	0.383	-8.33
102	0.370	-8.64
104	0.357	-8.96
106	0.342	-9.33
108	0.330	-9.63
110	0.318	-9.95
112	0.303	-10.37
114	0.291	-10.72
116	0.279	-11.08
118	0.267	-11.45
120	0.254	-11.90
122	0.242	-12.32
124	0.229	-12.81
126	0.218	-13.21
128	0.205	-13.76
130	0.190	-14.42
132	0.180	-14.90
134	0.168	-15.50
136	0.156	-16.14
138	0.144	-16.82
140	0.134	-17.48
142	0.120	-18.39
144	0.110	-19.18
146	0.101	-19.91
148	0.091	-20.85
150	0.082	-21.75
152	0.070	-23.12
154	0.062	-24.10
156	0.058	-24.74
158	0.052	-25.68
160	0.051	-25.93
162	0.048	-26.46
164	0.048	-26.46
166	0.049	-26.19
168	0.052	-25.68
170	0.053	-25.43
172	0.055	-25.20
174	0.059	-24.52
176	0.061	-24.30
178	0.062	-24.10
180	0.062	-24.10
182	0.064	-23.89
184	0.062	-24.10
186	0.061	-24.30
188	0.059	-24.52
190	0.058	-24.74
192	0.056	-24.96
194	0.053	-25.43
196	0.052	-25.68
198	0.051	-25.93

Angle	Field	dB
200	0.048	-26.46
202	0.051	-25.93
204	0.052	-25.68
206	0.055	-25.20
208	0.061	-24.30
210	0.068	-23.31
212	0.076	-22.41
214	0.086	-21.29
216	0.095	-20.44
218	0.107	-19.41
220	0.119	-18.50
222	0.132	-17.57
224	0.144	-16.82
226	0.158	-16.05
228	0.169	-15.42
230	0.181	-14.83
232	0.195	-14.21
234	0.210	-13.58
236	0.223	-13.04
238	0.236	-12.53
240	0.253	-11.95
242	0.266	-11.50
244	0.281	-11.03
246	0.296	-10.58
248	0.309	-10.20
250	0.325	-9.75
252	0.340	-9.36
254	0.355	-8.99
256	0.373	-8.57
258	0.389	-8.19
260	0.403	-7.90
262	0.422	-7.49
264	0.438	-7.16
266	0.455	-6.85
268	0.473	-6.51
270	0.490	-6.19
272	0.507	-5.91
274	0.525	-5.60
276	0.542	-5.31
278	0.559	-5.06
280	0.577	-4.78
282	0.593	-4.54
284	0.609	-4.30
286	0.629	-4.03
288	0.642	-3.85
290	0.661	-3.59
292	0.676	-3.40
294	0.692	-3.19
296	0.707	-3.01
298	0.724	-2.81

Angle	Field	dB
300	0.736	-2.67
302	0.752	-2.48
304	0.767	-2.31
306	0.780	-2.16
308	0.796	-1.98
310	0.807	-1.86
312	0.820	-1.72
314	0.832	-1.60
316	0.845	-1.46
318	0.859	-1.32
320	0.868	-1.23
322	0.880	-1.11
324	0.893	-0.98
326	0.902	-0.90
328	0.912	-0.80
330	0.921	-0.71
332	0.930	-0.63
334	0.939	-0.55
336	0.947	-0.48
338	0.955	-0.40
340	0.961	-0.34
342	0.967	-0.29
344	0.973	-0.24
346	0.978	-0.20
348	0.984	-0.14
350	0.988	-0.10
352	0.993	-0.06
354	0.996	-0.04
356	0.999	-0.01
358	0.999	-0.01
360	0.999	-0.01