

**ALP Series II UHF Television Antennas
Catalog Azimuth and Elevation Patterns
for Horizontal and Vertical Polarizations**

Last Update 2/10/2019

[ALP Azimuth Patterns Contents](#)
[ALP Elevation Patterns Contents](#)

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7777 Gardner Road
Chandler, IN 47610-9219
USA



Your Single Source for Broadcast Solutions™

**ALP Series II UHF Television Antennas
Catalog Azimuth Patterns
for Horizontal and Vertical Polarizations**

Last Update 2/10/2019

Azimuth Patterns

- [ALP-B Horizontally Polarized Plotted Azimuth Pattern Data*](#)
- [ALP-B Horizontally Polarized Tabulated Azimuth Pattern Data*](#)
- [ALP-BR Horizontally Polarized Plotted Azimuth Pattern Data*](#)
- [ALP-BR Horizontally Polarized Tabulated Azimuth Pattern Data*](#)
- [ALP-E-H Horizontally Polarized Plotted Azimuth Pattern Data](#)
- [ALP-E-H Horizontally Polarized Tabulated Azimuth Pattern Data](#)
- [ALP-E-V Vertically Polarized Plotted Azimuth Pattern Data](#)
- [ALP-E-V Vertically Polarized Tabulated Azimuth Pattern Data](#)
- [ALP-ER Horizontally Polarized Plotted Azimuth Pattern Data*](#)
- [ALP-ER Horizontally Polarized Tabulated Azimuth Pattern Data*](#)
- [ALP-H Horizontally Polarized Plotted Azimuth Pattern Data*](#)
- [ALP-H Horizontally Polarized Tabulated Azimuth Pattern Data*](#)
- [ALP-M-H Horizontally Polarized Plotted Azimuth Pattern Data](#)
- [ALP-M-H Horizontally Polarized Tabulated Azimuth Pattern Data](#)
- [ALP-M-V Vertically Polarized Plotted Azimuth Pattern Data](#)
- [ALP-M-V Vertically Polarized Tabulated Azimuth Pattern Data](#)
- [ALP-MR Horizontally Polarized Plotted Azimuth Pattern Data*](#)
- [ALP-MR Horizontally Polarized Tabulated Azimuth Pattern Data*](#)
- [ALP-N-H Horizontally Polarized Plotted Azimuth Pattern Data](#)
- [ALP-N-H Horizontally Polarized Tabulated Azimuth Pattern Data](#)
- [ALP-N-V Vertically Polarized Plotted Azimuth Pattern Data](#)
- [ALP-N-V Vertically Polarized Tabulated Azimuth Pattern Data](#)
- [ALP-NR Horizontally Polarized Plotted Azimuth Pattern Data*](#)
- [ALP-NR Horizontally Polarized Tabulated Azimuth Pattern Data*](#)
- [ALP-O-H Horizontally Polarized Plotted Azimuth Pattern Data](#)
- [ALP-O-H Horizontally Polarized Tabulated Azimuth Pattern Data](#)
- [ALP-O-V Vertically Polarized Plotted Azimuth Pattern Data](#)
- [ALP-O-V Vertically Polarized Tabulated Azimuth Pattern Data](#)
- [ALP-OC-H Horizontally Polarized Plotted Azimuth Pattern Data](#)
- [ALP-OC-H Horizontally Polarized Tabulated Azimuth Pattern Data](#)
- [ALP-OC-V Vertically Polarized Plotted Azimuth Pattern Data](#)
- [ALP-OC-V Vertically Polarized Tabulated Azimuth Pattern Data](#)
- [ALP-P-H Horizontally Polarized Plotted Azimuth Pattern Data](#)
- [ALP-P-H Horizontally Polarized Tabulated Azimuth Pattern Data](#)
- [ALP-P-V Vertically Polarized Plotted Azimuth Pattern Data](#)
- [ALP-P-V Vertically Polarized Tabulated Azimuth Pattern Data](#)
- [ALP-PR Horizontally Polarized Plotted Azimuth Pattern Data*](#)
- [ALP-PR Horizontally Polarized Tabulated Azimuth Pattern Data*](#)
- [ALP-W-H Horizontally Polarized Plotted Azimuth Pattern Data](#)
- [ALP-W-H Horizontally Polarized Tabulated Azimuth Pattern Data](#)
- [ALP-W-V Vertically Polarized Plotted Azimuth Pattern Data](#)
- [ALP-W-V Vertically Polarized Tabulated Azimuth Pattern Data](#)
- [ALP-WR Horizontally Polarized Plotted Azimuth Pattern Data*](#)
- [ALP-WR Horizontally Polarized Tabulated Azimuth Pattern Data*](#)

*** Standard Model for this Azimuth Pattern is Horizontally Polarized Only.**

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Last Update 2/10/2019

Elevation Patterns

- [ALP4L1 Plotted Elevation Pattern Data](#)
- [ALP4L1 Plotted 90 Degree Elevation Pattern Data](#)
- [ALP4L1 Tabulated Elevation Pattern Data](#)
- [ALP8L1 Plotted Elevation Pattern Data](#)
- [ALP8L1 Plotted 90 Degree Elevation Pattern Data](#)
- [ALP8L1 Tabulated Elevation Pattern Data](#)
- [ALP12L2 Plotted Elevation Pattern Data](#)
- [ALP12L2 Plotted 90 Degree Elevation Pattern Data](#)
- [ALP12L2 Tabulated Elevation Pattern Data](#)
- [ALP16L2 Plotted Elevation Pattern Data](#)
- [ALP16L2 Plotted 90 Degree Elevation Pattern Data](#)
- [ALP16L2 Tabulated Elevation Pattern Data](#)
- [ALP24L3 Plotted Elevation Pattern Data](#)
- [ALP24L3 Plotted 90 Degree Elevation Pattern Data](#)
- [ALP24L3 Tabulated Elevation Pattern Data](#)
- [ALP32L3 Plotted Elevation Pattern Data](#)
- [ALP32L3 Plotted 90 Degree Elevation Pattern Data](#)
- [ALP32L3 Tabulated Elevation Pattern Data](#)

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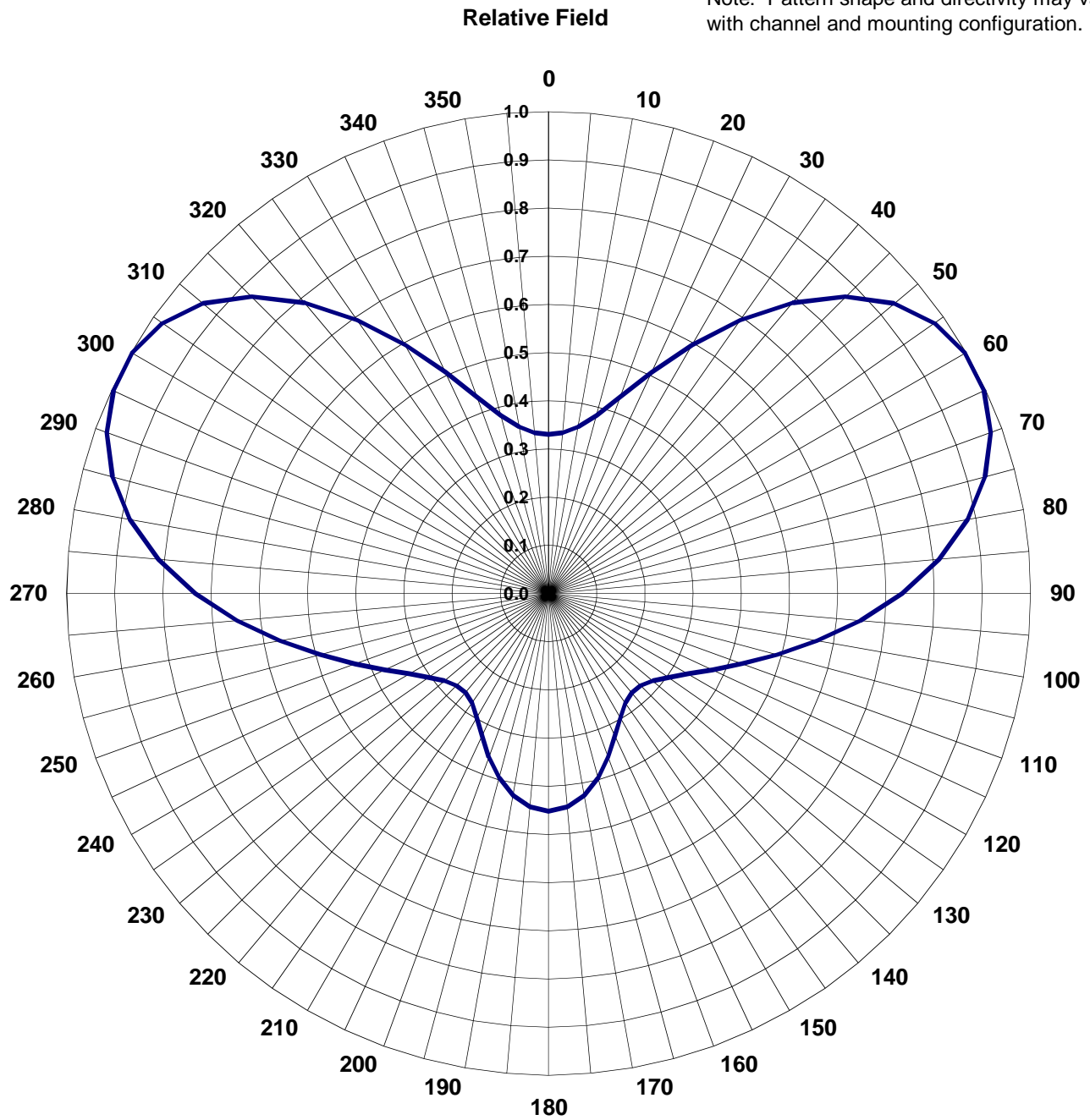


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AZIMUTH PATTERN

TYPE:	ALP-B	
Directivity:	Numeric	dB
Peak(s) at:	2.67	(4.27)
Polarization:	Horizontal	
Channel:		
Location:		

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



TABULATED DATA FOR AZIMUTH PATTERN

TYPE: ALP-B

POLARIZATION: Horizontal

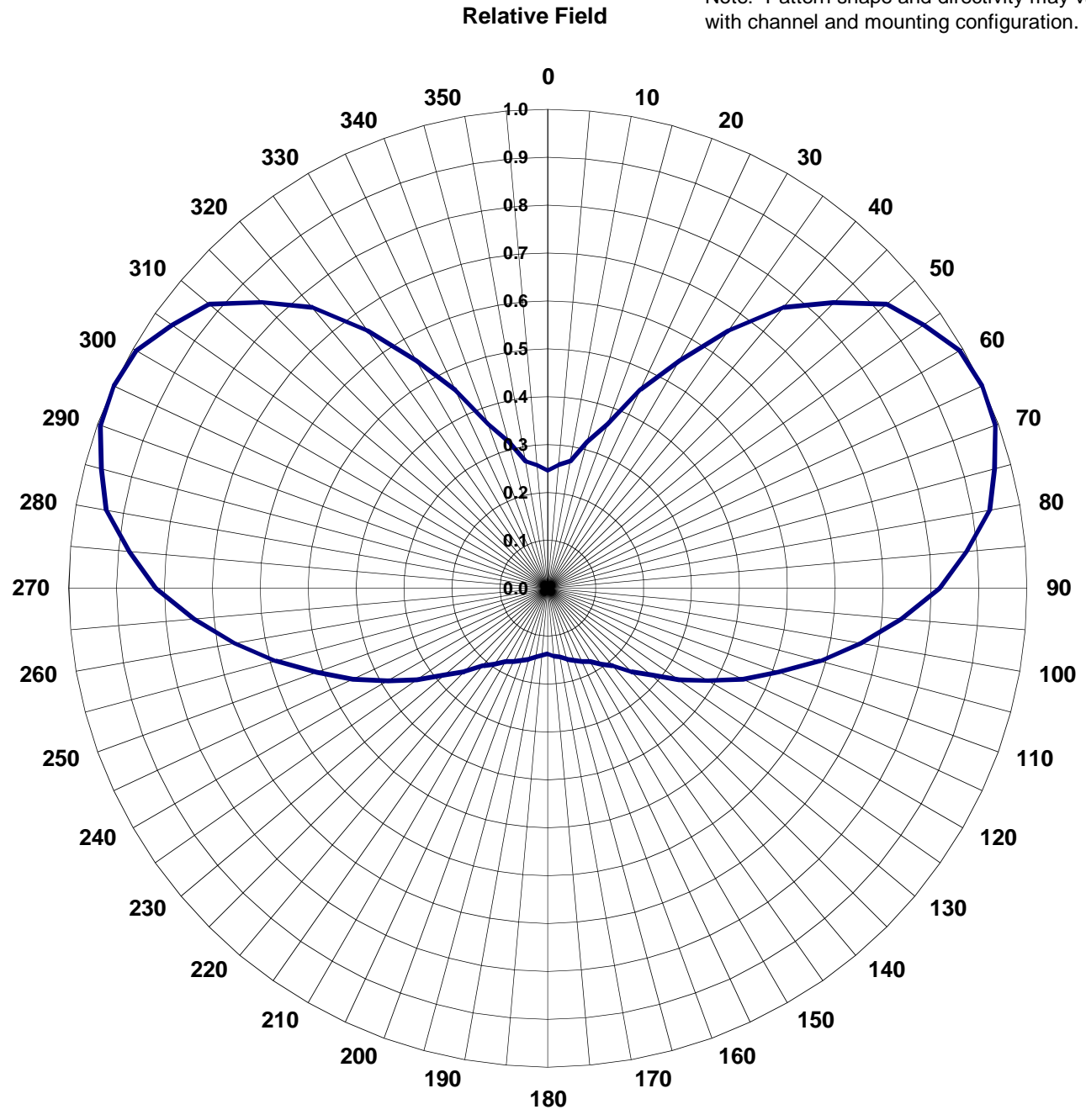
ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB
0	0.330	-9.63	92	0.700	-3.10	184	0.448	-6.97	276	0.828	-1.64
2	0.330	-9.63	94	0.666	-3.53	186	0.442	-7.09	278	0.856	-1.35
4	0.333	-9.55	96	0.632	-3.99	188	0.435	-7.23	280	0.883	-1.08
6	0.337	-9.45	98	0.599	-4.45	190	0.426	-7.41	282	0.907	-0.85
8	0.343	-9.29	100	0.566	-4.94	192	0.415	-7.64	284	0.928	-0.65
10	0.351	-9.09	102	0.535	-5.43	194	0.403	-7.89	286	0.947	-0.47
12	0.361	-8.85	104	0.505	-5.93	196	0.389	-8.20	288	0.963	-0.33
14	0.375	-8.52	106	0.477	-6.43	198	0.375	-8.52	290	0.976	-0.21
16	0.391	-8.16	108	0.451	-6.92	200	0.361	-8.85	292	0.987	-0.11
18	0.411	-7.72	110	0.427	-7.39	202	0.347	-9.19	294	0.994	-0.05
20	0.434	-7.25	112	0.404	-7.87	204	0.333	-9.55	296	0.999	-0.01
22	0.460	-6.74	114	0.384	-8.31	206	0.320	-9.90	298	1.000	0.00
24	0.490	-6.20	116	0.366	-8.73	208	0.308	-10.23	300	0.998	-0.02
26	0.523	-5.63	118	0.349	-9.14	210	0.297	-10.54	302	0.993	-0.06
28	0.558	-5.07	120	0.334	-9.53	212	0.288	-10.81	304	0.984	-0.14
30	0.595	-4.51	122	0.321	-9.87	214	0.280	-11.06	306	0.972	-0.25
32	0.633	-3.97	124	0.309	-10.20	216	0.274	-11.24	308	0.956	-0.39
34	0.673	-3.44	126	0.299	-10.49	218	0.270	-11.37	310	0.936	-0.57
36	0.712	-2.95	128	0.290	-10.75	220	0.268	-11.44	312	0.913	-0.79
38	0.751	-2.49	130	0.282	-11.00	222	0.267	-11.47	314	0.886	-1.05
40	0.788	-2.07	132	0.276	-11.18	224	0.269	-11.40	316	0.856	-1.35
42	0.823	-1.69	134	0.271	-11.34	226	0.271	-11.34	318	0.823	-1.69
44	0.856	-1.35	136	0.269	-11.40	228	0.276	-11.18	320	0.788	-2.07
46	0.886	-1.05	138	0.267	-11.47	230	0.282	-11.00	322	0.751	-2.49
48	0.913	-0.79	140	0.268	-11.44	232	0.290	-10.75	324	0.712	-2.95
50	0.936	-0.57	142	0.270	-11.37	234	0.299	-10.49	326	0.673	-3.44
52	0.956	-0.39	144	0.274	-11.24	236	0.309	-10.20	328	0.633	-3.97
54	0.972	-0.25	146	0.280	-11.06	238	0.321	-9.87	330	0.595	-4.51
56	0.984	-0.14	148	0.288	-10.81	240	0.334	-9.53	332	0.558	-5.07
58	0.993	-0.06	150	0.297	-10.54	242	0.349	-9.14	334	0.523	-5.63
60	0.998	-0.02	152	0.308	-10.23	244	0.366	-8.73	336	0.490	-6.20
62	1.000	0.00	154	0.320	-9.90	246	0.384	-8.31	338	0.460	-6.74
64	0.999	-0.01	156	0.333	-9.55	248	0.404	-7.87	340	0.434	-7.25
66	0.994	-0.05	158	0.347	-9.19	250	0.427	-7.39	342	0.411	-7.72
68	0.987	-0.11	160	0.361	-8.85	252	0.451	-6.92	344	0.391	-8.16
70	0.976	-0.21	162	0.375	-8.52	254	0.477	-6.43	346	0.375	-8.52
72	0.963	-0.33	164	0.389	-8.20	256	0.505	-5.93	348	0.361	-8.85
74	0.947	-0.47	166	0.403	-7.89	258	0.535	-5.43	350	0.351	-9.09
76	0.928	-0.65	168	0.415	-7.64	260	0.566	-4.94	352	0.343	-9.29
78	0.907	-0.85	170	0.426	-7.41	262	0.599	-4.45	354	0.337	-9.45
80	0.883	-1.08	172	0.435	-7.23	264	0.632	-3.99	356	0.333	-9.55
82	0.856	-1.35	174	0.442	-7.09	266	0.666	-3.53	358	0.330	-9.63
84	0.828	-1.64	176	0.448	-6.97	268	0.700	-3.10	360	0.330	-9.63
86	0.798	-1.96	178	0.451	-6.92	270	0.733	-2.70			
88	0.766	-2.32	180	0.452	-6.90	272	0.766	-2.32			
90	0.733	-2.70	182	0.451	-6.92	274	0.798	-1.96			



AZIMUTH PATTERN

TYPE:	ALP-BR	
Directivity:	Numeric	dB
Peak(s) at:	2.75	(4.39)
Polarization:	Horizontal	
Channel:		
Location:		

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



TABULATED DATA FOR AZIMUTH PATTERN

TYPE: **ALP-BR**

POLARIZATION: **Horizontal**

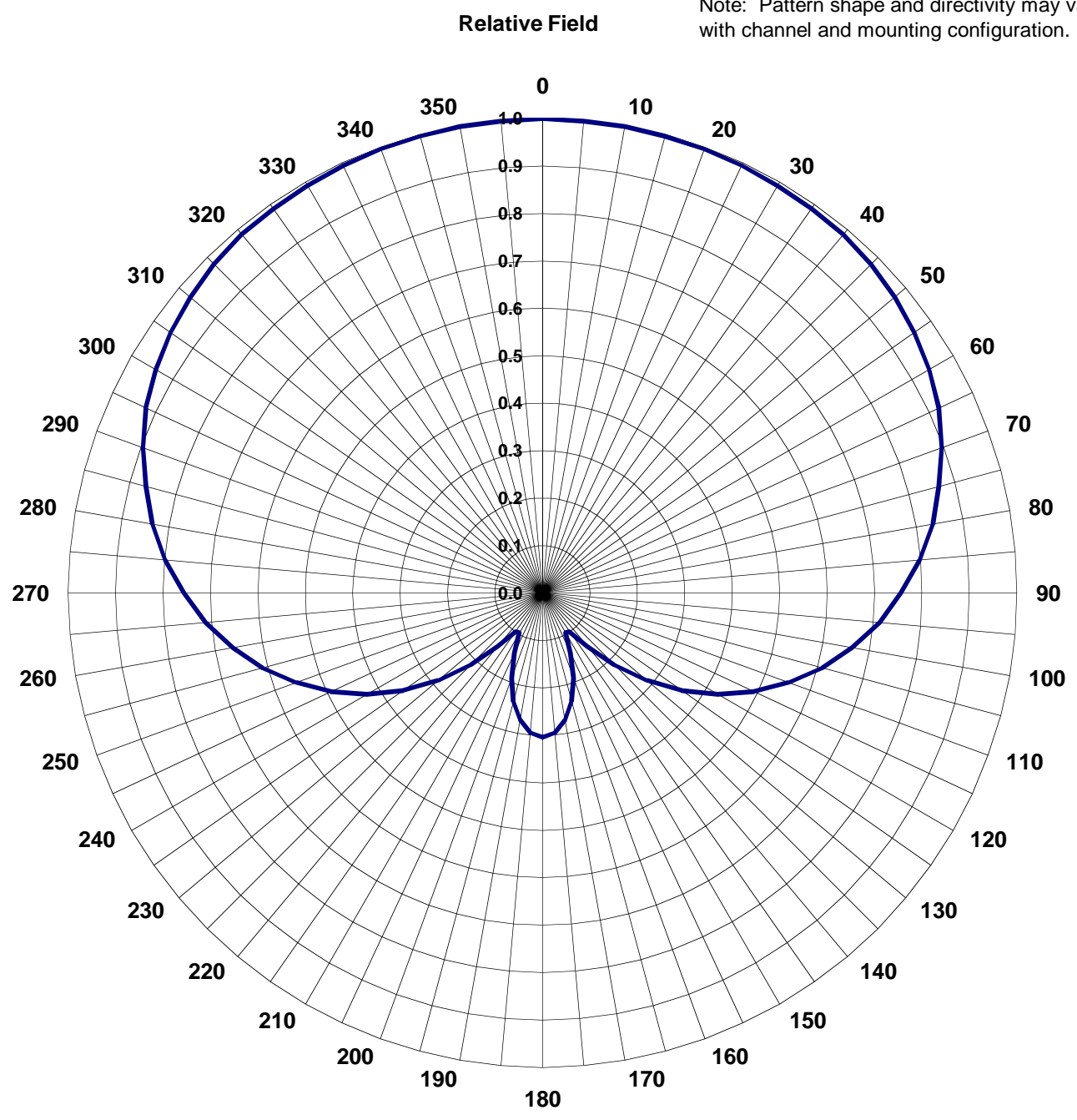
ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB
0	0.246	-12.18	92	0.787	-2.08	184	0.141	-17.02	276	0.889	-1.02
2	0.251	-12.01	94	0.756	-2.43	186	0.142	-16.95	278	0.912	-0.80
4	0.255	-11.87	96	0.726	-2.78	188	0.144	-16.83	280	0.936	-0.57
6	0.260	-11.70	98	0.695	-3.16	190	0.146	-16.71	282	0.948	-0.46
8	0.264	-11.57	100	0.664	-3.56	192	0.149	-16.54	284	0.959	-0.36
10	0.269	-11.40	102	0.634	-3.96	194	0.152	-16.36	286	0.971	-0.26
12	0.288	-10.81	104	0.604	-4.38	196	0.155	-16.19	288	0.982	-0.16
14	0.307	-10.26	106	0.573	-4.84	198	0.158	-16.03	290	0.994	-0.05
16	0.326	-9.74	108	0.543	-5.30	200	0.161	-15.86	292	0.994	-0.05
18	0.345	-9.24	110	0.513	-5.80	202	0.164	-15.70	294	1.000	0.00
20	0.364	-8.78	112	0.488	-6.23	204	0.167	-15.55	296	1.000	0.00
22	0.401	-7.94	114	0.462	-6.71	206	0.171	-15.34	298	0.992	-0.07
24	0.438	-7.17	116	0.437	-7.19	208	0.174	-15.19	300	0.992	-0.07
26	0.475	-6.47	118	0.411	-7.72	210	0.177	-15.04	302	0.978	-0.19
28	0.512	-5.81	120	0.386	-8.27	212	0.184	-14.70	304	0.964	-0.32
30	0.549	-5.21	122	0.365	-8.75	214	0.191	-14.38	306	0.951	-0.44
32	0.592	-4.55	124	0.344	-9.27	216	0.197	-14.11	308	0.937	-0.57
34	0.635	-3.94	126	0.324	-9.79	218	0.204	-13.81	310	0.923	-0.70
36	0.679	-3.36	128	0.303	-10.37	220	0.211	-13.51	312	0.891	-1.00
38	0.722	-2.83	130	0.282	-11.00	222	0.225	-12.96	314	0.860	-1.31
40	0.765	-2.33	132	0.268	-11.44	224	0.239	-12.43	316	0.828	-1.64
42	0.797	-1.97	134	0.254	-11.90	226	0.254	-11.90	318	0.797	-1.97
44	0.828	-1.64	136	0.239	-12.43	228	0.268	-11.44	320	0.765	-2.33
46	0.860	-1.31	138	0.225	-12.96	230	0.282	-11.00	322	0.722	-2.83
48	0.891	-1.00	140	0.211	-13.51	232	0.303	-10.37	324	0.679	-3.36
50	0.923	-0.70	142	0.204	-13.81	234	0.324	-9.79	326	0.635	-3.94
52	0.937	-0.57	144	0.197	-14.11	236	0.344	-9.27	328	0.592	-4.55
54	0.951	-0.44	146	0.191	-14.38	238	0.365	-8.75	330	0.549	-5.21
56	0.964	-0.32	148	0.184	-14.70	240	0.386	-8.27	332	0.512	-5.81
58	0.978	-0.19	150	0.177	-15.04	242	0.411	-7.72	334	0.475	-6.47
60	0.992	-0.07	152	0.174	-15.19	244	0.437	-7.19	336	0.438	-7.17
62	0.992	-0.07	154	0.171	-15.34	246	0.462	-6.71	338	0.401	-7.94
64	1.000	0.00	156	0.167	-15.55	248	0.488	-6.23	340	0.364	-8.78
66	1.000	0.00	158	0.164	-15.70	250	0.513	-5.80	342	0.345	-9.24
68	0.994	-0.05	160	0.161	-15.86	252	0.543	-5.30	344	0.326	-9.74
70	0.994	-0.05	162	0.158	-16.03	254	0.573	-4.84	346	0.307	-10.26
72	0.982	-0.16	164	0.155	-16.19	256	0.604	-4.38	348	0.288	-10.81
74	0.971	-0.26	166	0.152	-16.36	258	0.634	-3.96	350	0.269	-11.40
76	0.959	-0.36	168	0.149	-16.54	260	0.664	-3.56	352	0.264	-11.57
78	0.948	-0.46	170	0.146	-16.71	262	0.695	-3.16	354	0.260	-11.70
80	0.936	-0.57	172	0.144	-16.83	264	0.726	-2.78	356	0.255	-11.87
82	0.912	-0.80	174	0.142	-16.95	266	0.756	-2.43	358	0.251	-12.01
84	0.889	-1.02	176	0.141	-17.02	268	0.787	-2.08	360	0.246	-12.18
86	0.865	-1.26	178	0.139	-17.14	270	0.818	-1.74			
88	0.842	-1.49	180	0.137	-17.27	272	0.842	-1.49			
90	0.818	-1.74	182	0.139	-17.14	274	0.865	-1.26			



AZIMUTH PATTERN

TYPE:	ALP-E-H	
	Numeric	dB
Directivity:	1.88	(2.74)
Peak(s) at:		
Polarization:	Horizontal	
Channel:		
Location:		

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



TABULATED DATA FOR AZIMUTH PATTERN

TYPE: ALP-E-H

POLARIZATION: Horizontal

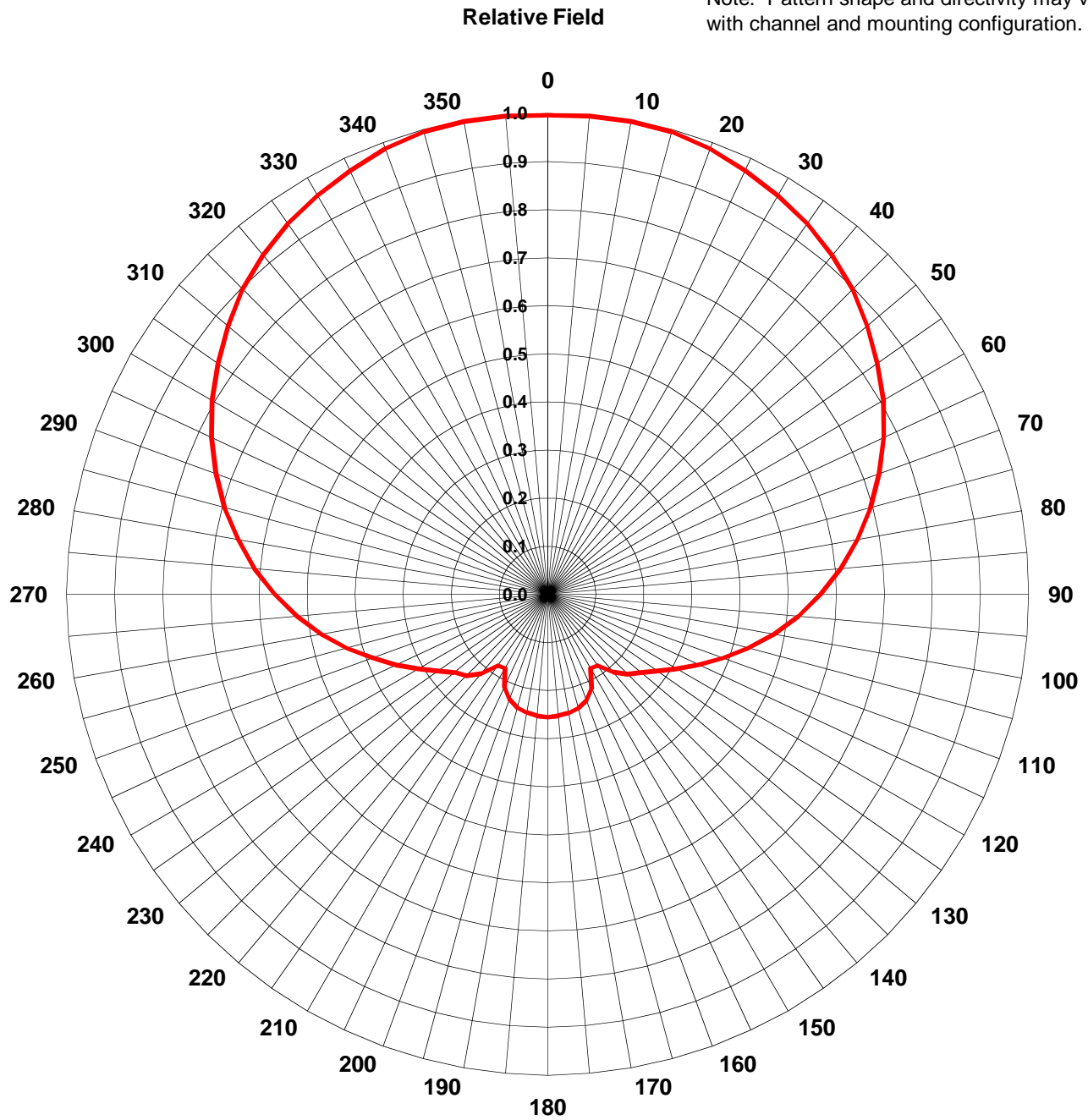
ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB
0	0.999	0.00	92	0.739	-2.56	184	0.298	-10.06	276	0.805	-1.95
2	1.000	-0.01	94	0.721	-2.72	186	0.292	-10.26	278	0.821	-1.81
4	0.999	-0.01	96	0.703	-2.89	188	0.283	-10.52	280	0.836	-1.66
6	0.998	-0.01	98	0.683	-3.07	190	0.272	-10.84	282	0.848	-1.52
8	0.997	-0.01	100	0.662	-3.26	192	0.259	-11.24	284	0.862	-1.39
10	0.999	-0.01	102	0.642	-3.47	194	0.245	-11.67	286	0.874	-1.26
12	0.998	-0.01	104	0.621	-3.69	196	0.228	-12.11	288	0.885	-1.13
14	0.998	-0.01	106	0.599	-3.93	198	0.211	-12.62	290	0.896	-1.01
16	0.996	-0.01	108	0.576	-4.19	200	0.191	-13.07	292	0.907	-0.90
18	0.993	-0.01	110	0.553	-4.48	202	0.170	-13.51	294	0.916	-0.79
20	0.996	-0.01	112	0.530	-4.81	204	0.150	-13.94	296	0.926	-0.69
22	0.995	-0.01	114	0.504	-5.16	206	0.131	-14.24	298	0.934	-0.59
24	0.994	-0.01	116	0.479	-5.55	208	0.112	-14.47	300	0.941	-0.50
26	0.995	-0.01	118	0.454	-5.97	210	0.098	-14.52	302	0.950	-0.43
28	0.993	-0.01	120	0.427	-6.45	212	0.091	-14.47	304	0.954	-0.35
30	0.992	-0.01	122	0.399	-6.96	214	0.094	-14.24	306	0.959	-0.29
32	0.992	-0.01	124	0.371	-7.49	216	0.105	-13.85	308	0.965	-0.23
34	0.990	-0.01	126	0.344	-8.09	218	0.123	-13.39	310	0.970	-0.18
36	0.990	-0.01	128	0.316	-8.73	220	0.147	-12.80	312	0.975	-0.14
38	0.988	-0.02	130	0.286	-9.37	222	0.173	-12.15	314	0.978	-0.10
40	0.987	-0.03	132	0.257	-10.06	224	0.201	-11.47	316	0.981	-0.08
42	0.983	-0.05	134	0.228	-10.78	226	0.228	-10.78	318	0.983	-0.05
44	0.981	-0.08	136	0.201	-11.47	228	0.257	-10.06	320	0.987	-0.03
46	0.978	-0.10	138	0.173	-12.15	230	0.286	-9.37	322	0.988	-0.02
48	0.975	-0.14	140	0.147	-12.80	232	0.316	-8.73	324	0.990	-0.01
50	0.970	-0.18	142	0.123	-13.39	234	0.344	-8.09	326	0.990	-0.01
52	0.965	-0.23	144	0.105	-13.85	236	0.371	-7.49	328	0.992	-0.01
54	0.959	-0.29	146	0.094	-14.24	238	0.399	-6.96	330	0.992	-0.01
56	0.954	-0.35	148	0.091	-14.47	240	0.427	-6.45	332	0.993	-0.01
58	0.950	-0.43	150	0.098	-14.52	242	0.454	-5.97	334	0.995	-0.01
60	0.941	-0.50	152	0.112	-14.47	244	0.479	-5.55	336	0.994	-0.01
62	0.934	-0.59	154	0.131	-14.24	246	0.504	-5.16	338	0.995	-0.01
64	0.926	-0.69	156	0.150	-13.94	248	0.530	-4.81	340	0.996	-0.01
66	0.916	-0.79	158	0.170	-13.51	250	0.553	-4.48	342	0.993	-0.01
68	0.907	-0.90	160	0.191	-13.07	252	0.576	-4.19	344	0.996	-0.01
70	0.896	-1.01	162	0.211	-12.62	254	0.599	-3.93	346	0.998	-0.01
72	0.885	-1.13	164	0.228	-12.11	256	0.621	-3.69	348	0.998	-0.01
74	0.874	-1.26	166	0.245	-11.67	258	0.642	-3.47	350	0.999	-0.01
76	0.862	-1.39	168	0.259	-11.24	260	0.662	-3.26	352	0.997	-0.01
78	0.848	-1.52	170	0.272	-10.84	262	0.683	-3.07	354	0.998	-0.01
80	0.836	-1.66	172	0.283	-10.52	264	0.703	-2.89	356	0.999	-0.01
82	0.821	-1.81	174	0.292	-10.26	266	0.721	-2.72	358	1.000	-0.01
84	0.805	-1.95	176	0.298	-10.06	268	0.739	-2.56	360	0.999	0.00
86	0.791	-2.10	178	0.303	-9.92	270	0.756	-2.41			
88	0.775	-2.25	180	0.305	-9.84	272	0.775	-2.25			
90	0.756	-2.41	182	0.303	-9.92	274	0.791	-2.10			



AZIMUTH PATTERN

TYPE:	ALP-E-V	
	Numeric	dB
Directivity:	2.33	(3.67)
Peak(s) at:		
Polarization:	Vertical	
Channel:		
Location:		

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



TABULATED DATA FOR AZIMUTH PATTERN

TYPE: ALP-E-V

POLARIZATION: Vertical

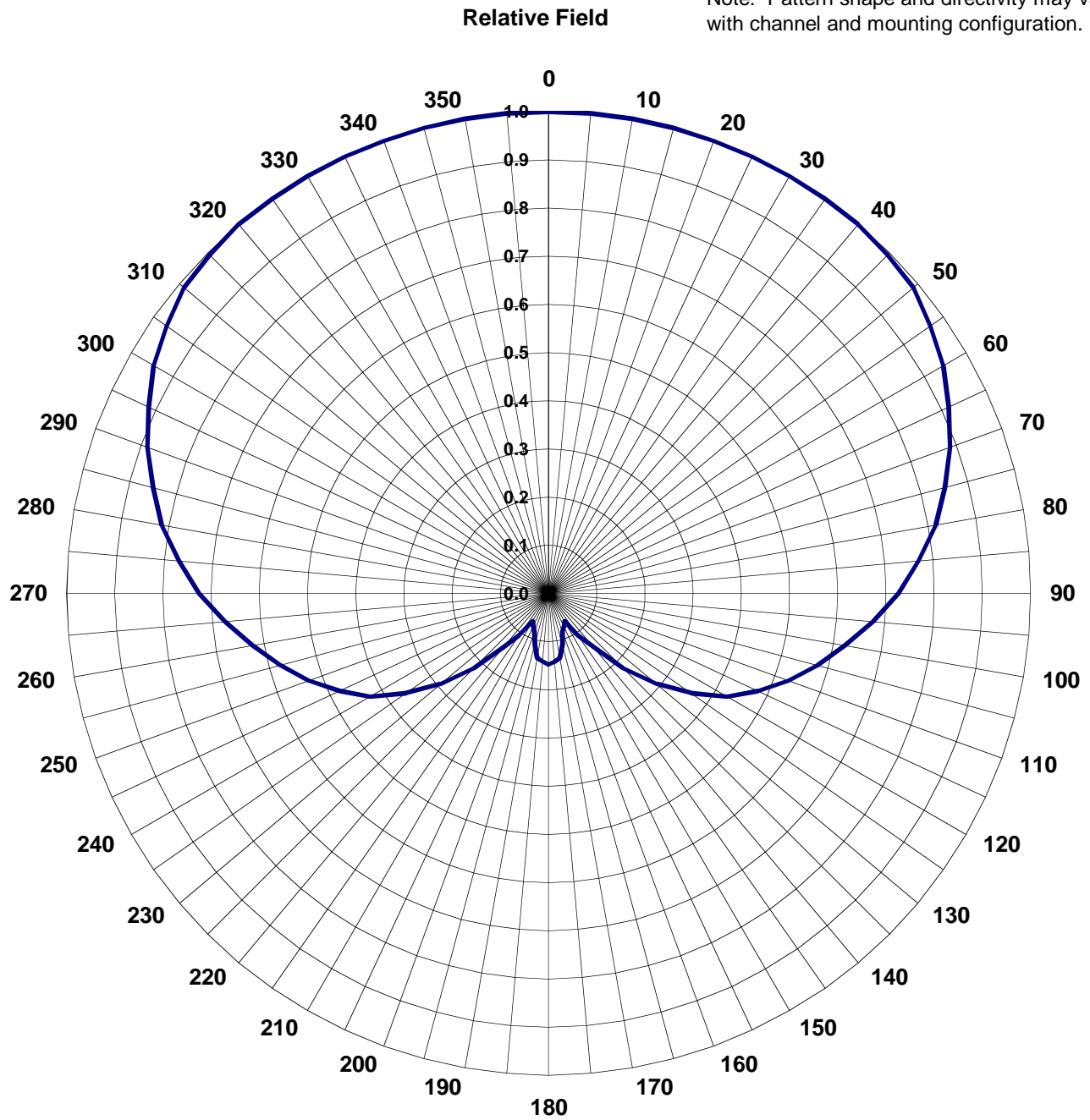
ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB
0	0.996	0.00	92	0.551	-2.56	184	0.254	-10.06	276	0.621	-1.95
2	0.998	-0.01	94	0.533	-2.72	186	0.253	-10.26	278	0.638	-1.81
4	1.000	-0.01	96	0.514	-2.89	188	0.252	-10.52	280	0.654	-1.66
6	0.998	-0.01	98	0.497	-3.07	190	0.250	-10.84	282	0.671	-1.52
8	1.000	-0.01	100	0.478	-3.26	192	0.248	-11.24	284	0.687	-1.39
10	0.998	-0.01	102	0.460	-3.47	194	0.245	-11.67	286	0.704	-1.26
12	0.997	-0.01	104	0.442	-3.69	196	0.243	-12.11	288	0.718	-1.13
14	0.996	-0.01	106	0.423	-3.93	198	0.239	-12.62	290	0.734	-1.01
16	0.992	-0.01	108	0.406	-4.19	200	0.232	-13.07	292	0.750	-0.90
18	0.990	-0.01	110	0.388	-4.48	202	0.224	-13.51	294	0.764	-0.79
20	0.986	-0.01	112	0.371	-4.81	204	0.216	-13.94	296	0.778	-0.69
22	0.983	-0.01	114	0.355	-5.16	206	0.210	-14.24	298	0.792	-0.59
24	0.977	-0.01	116	0.339	-5.55	208	0.205	-14.47	300	0.806	-0.50
26	0.971	-0.01	118	0.324	-5.97	210	0.178	-14.52	302	0.818	-0.43
28	0.965	-0.01	120	0.310	-6.45	212	0.166	-14.47	304	0.831	-0.35
30	0.957	-0.01	122	0.298	-6.96	214	0.172	-14.24	306	0.843	-0.29
32	0.952	-0.01	124	0.284	-7.49	216	0.192	-13.85	308	0.856	-0.23
34	0.946	-0.01	126	0.273	-8.09	218	0.209	-13.39	310	0.867	-0.18
36	0.936	-0.01	128	0.261	-8.73	220	0.216	-12.80	312	0.879	-0.14
38	0.928	-0.02	130	0.253	-9.37	222	0.225	-12.15	314	0.890	-0.10
40	0.920	-0.03	132	0.245	-10.06	224	0.235	-11.47	316	0.900	-0.08
42	0.911	-0.05	134	0.238	-10.78	226	0.238	-10.78	318	0.911	-0.05
44	0.900	-0.08	136	0.230	-11.47	228	0.245	-10.06	320	0.920	-0.03
46	0.890	-0.10	138	0.220	-12.15	230	0.253	-9.37	322	0.928	-0.02
48	0.879	-0.14	140	0.212	-12.80	232	0.261	-8.73	324	0.936	-0.01
50	0.867	-0.18	142	0.207	-13.39	234	0.273	-8.09	326	0.946	-0.01
52	0.856	-0.23	144	0.192	-13.85	236	0.284	-7.49	328	0.952	-0.01
54	0.843	-0.29	146	0.172	-14.24	238	0.298	-6.96	330	0.957	-0.01
56	0.831	-0.35	148	0.166	-14.47	240	0.310	-6.45	332	0.965	-0.01
58	0.818	-0.43	150	0.178	-14.52	242	0.324	-5.97	334	0.971	-0.01
60	0.806	-0.50	152	0.205	-14.47	244	0.339	-5.55	336	0.977	-0.01
62	0.792	-0.59	154	0.213	-14.24	246	0.355	-5.16	338	0.983	-0.01
64	0.778	-0.69	156	0.220	-13.94	248	0.371	-4.81	340	0.986	-0.01
66	0.764	-0.79	158	0.228	-13.51	250	0.388	-4.48	342	0.990	-0.01
68	0.750	-0.90	160	0.236	-13.07	252	0.406	-4.19	344	0.992	-0.01
70	0.734	-1.01	162	0.241	-12.62	254	0.423	-3.93	346	0.996	-0.01
72	0.718	-1.13	164	0.244	-12.11	256	0.442	-3.69	348	0.997	-0.01
74	0.704	-1.26	166	0.247	-11.67	258	0.460	-3.47	350	0.998	-0.01
76	0.687	-1.39	168	0.249	-11.24	260	0.478	-3.26	352	1.000	-0.01
78	0.671	-1.52	170	0.251	-10.84	262	0.497	-3.07	354	0.998	-0.01
80	0.654	-1.66	172	0.253	-10.52	264	0.514	-2.89	356	1.000	-0.01
82	0.638	-1.81	174	0.254	-10.26	266	0.533	-2.72	358	0.998	-0.01
84	0.621	-1.95	176	0.255	-10.06	268	0.551	-2.56	360	0.996	0.00
86	0.605	-2.10	178	0.255	-9.92	270	0.568	-2.41			
88	0.586	-2.25	180	0.255	-9.84	272	0.586	-2.25			
90	0.568	-2.41	182	0.255	-9.92	274	0.605	-2.10			



AZIMUTH PATTERN

TYPE:	ALP-ER	
	Numeric	dB
Directivity:	1.93	(2.86)
Peak(s) at:		
Polarization:	Horizontal	
Channel:		
Location:		

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



TABULATED DATA FOR AZIMUTH PATTERN

TYPE: **ALP-ER**

POLARIZATION: **Horizontal**

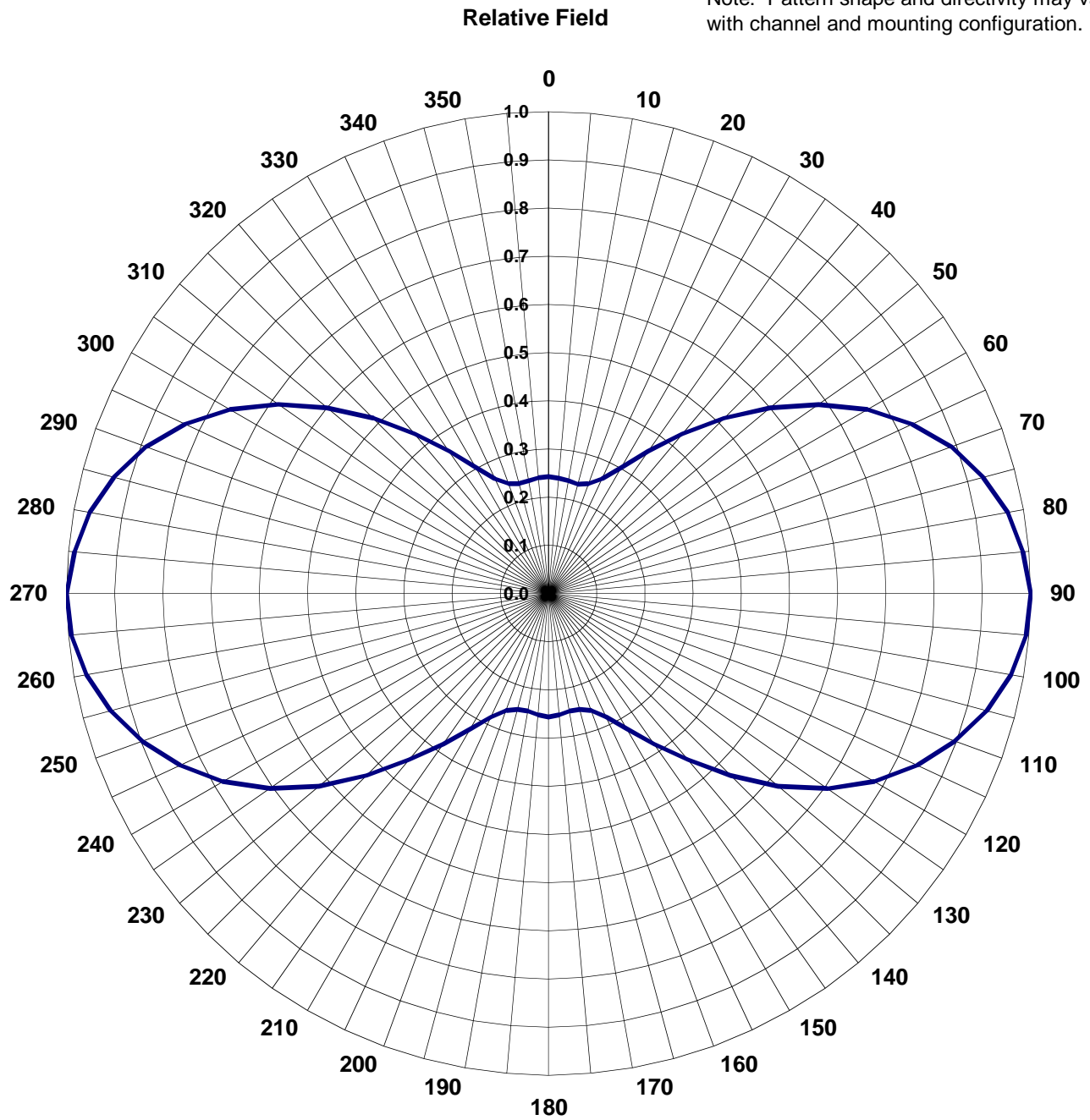
ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB
0	1.000	0.00	92	0.705	-3.04	184	0.143	-16.89	276	0.779	-2.17
2	1.000	0.00	94	0.685	-3.29	186	0.140	-17.08	278	0.797	-1.97
4	1.000	0.00	96	0.664	-3.56	188	0.138	-17.20	280	0.815	-1.78
6	1.000	0.00	98	0.644	-3.82	190	0.136	-17.33	282	0.829	-1.63
8	1.000	0.00	100	0.624	-4.10	192	0.126	-17.99	284	0.843	-1.48
10	1.000	0.00	102	0.605	-4.36	194	0.116	-18.71	286	0.858	-1.33
12	1.000	0.00	104	0.586	-4.64	196	0.105	-19.58	288	0.872	-1.19
14	1.000	0.00	106	0.567	-4.93	198	0.095	-20.45	290	0.886	-1.05
16	1.000	0.00	108	0.548	-5.22	200	0.085	-21.41	292	0.898	-0.93
18	1.000	0.00	110	0.529	-5.53	202	0.081	-21.83	294	0.910	-0.82
20	1.000	0.00	112	0.509	-5.87	204	0.078	-22.16	296	0.922	-0.71
22	1.000	0.00	114	0.489	-6.21	206	0.074	-22.62	298	0.934	-0.59
24	1.000	0.00	116	0.468	-6.60	208	0.071	-22.97	300	0.946	-0.48
26	1.000	0.00	118	0.448	-6.97	210	0.067	-23.48	302	0.954	-0.41
28	1.000	0.00	120	0.428	-7.37	212	0.083	-21.62	304	0.963	-0.33
30	1.000	0.00	122	0.401	-7.94	214	0.099	-20.09	306	0.971	-0.26
32	1.000	0.00	124	0.374	-8.54	216	0.114	-18.86	308	0.980	-0.18
34	1.000	0.00	126	0.347	-9.19	218	0.130	-17.72	310	0.988	-0.10
36	1.000	0.00	128	0.320	-9.90	220	0.146	-16.71	312	0.990	-0.09
38	1.000	0.00	130	0.293	-10.66	222	0.175	-15.14	314	0.993	-0.06
40	1.000	0.00	132	0.264	-11.57	224	0.205	-13.76	316	0.995	-0.04
42	0.998	-0.02	134	0.234	-12.62	226	0.234	-12.62	318	0.998	-0.02
44	0.995	-0.04	136	0.205	-13.76	228	0.264	-11.57	320	1.000	0.00
46	0.993	-0.06	138	0.175	-15.14	230	0.293	-10.66	322	1.000	0.00
48	0.990	-0.09	140	0.146	-16.71	232	0.320	-9.90	324	1.000	0.00
50	0.988	-0.10	142	0.130	-17.72	234	0.347	-9.19	326	1.000	0.00
52	0.980	-0.18	144	0.114	-18.86	236	0.374	-8.54	328	1.000	0.00
54	0.971	-0.26	146	0.099	-20.09	238	0.401	-7.94	330	1.000	0.00
56	0.963	-0.33	148	0.083	-21.62	240	0.428	-7.37	332	1.000	0.00
58	0.954	-0.41	150	0.067	-23.48	242	0.448	-6.97	334	1.000	0.00
60	0.946	-0.48	152	0.071	-22.97	244	0.468	-6.60	336	1.000	0.00
62	0.934	-0.59	154	0.074	-22.62	246	0.489	-6.21	338	1.000	0.00
64	0.922	-0.71	156	0.078	-22.16	248	0.509	-5.87	340	1.000	0.00
66	0.910	-0.82	158	0.081	-21.83	250	0.529	-5.53	342	1.000	0.00
68	0.898	-0.93	160	0.085	-21.41	252	0.548	-5.22	344	1.000	0.00
70	0.886	-1.05	162	0.095	-20.45	254	0.567	-4.93	346	1.000	0.00
72	0.872	-1.19	164	0.105	-19.58	256	0.586	-4.64	348	1.000	0.00
74	0.858	-1.33	166	0.116	-18.71	258	0.605	-4.36	350	1.000	0.00
76	0.843	-1.48	168	0.126	-17.99	260	0.624	-4.10	352	1.000	0.00
78	0.829	-1.63	170	0.136	-17.33	262	0.644	-3.82	354	1.000	0.00
80	0.815	-1.78	172	0.138	-17.20	264	0.664	-3.56	356	1.000	0.00
82	0.797	-1.97	174	0.140	-17.08	266	0.685	-3.29	358	1.000	0.00
84	0.779	-2.17	176	0.143	-16.89	268	0.705	-3.04	360	1.000	0.00
86	0.761	-2.37	178	0.145	-16.77	270	0.725	-2.79			
88	0.743	-2.58	180	0.147	-16.65	272	0.743	-2.58			
90	0.725	-2.79	182	0.145	-16.77	274	0.761	-2.37			



AZIMUTH PATTERN

TYPE:	ALP-H	
	Numeric	dB
Directivity:	2.46	(3.91)
Peak(s) at:		
Polarization:	Horizontal	
Channel:		
Location:		

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



TABULATED DATA FOR AZIMUTH PATTERN

TYPE: ALP-H

POLARIZATION: Horizontal

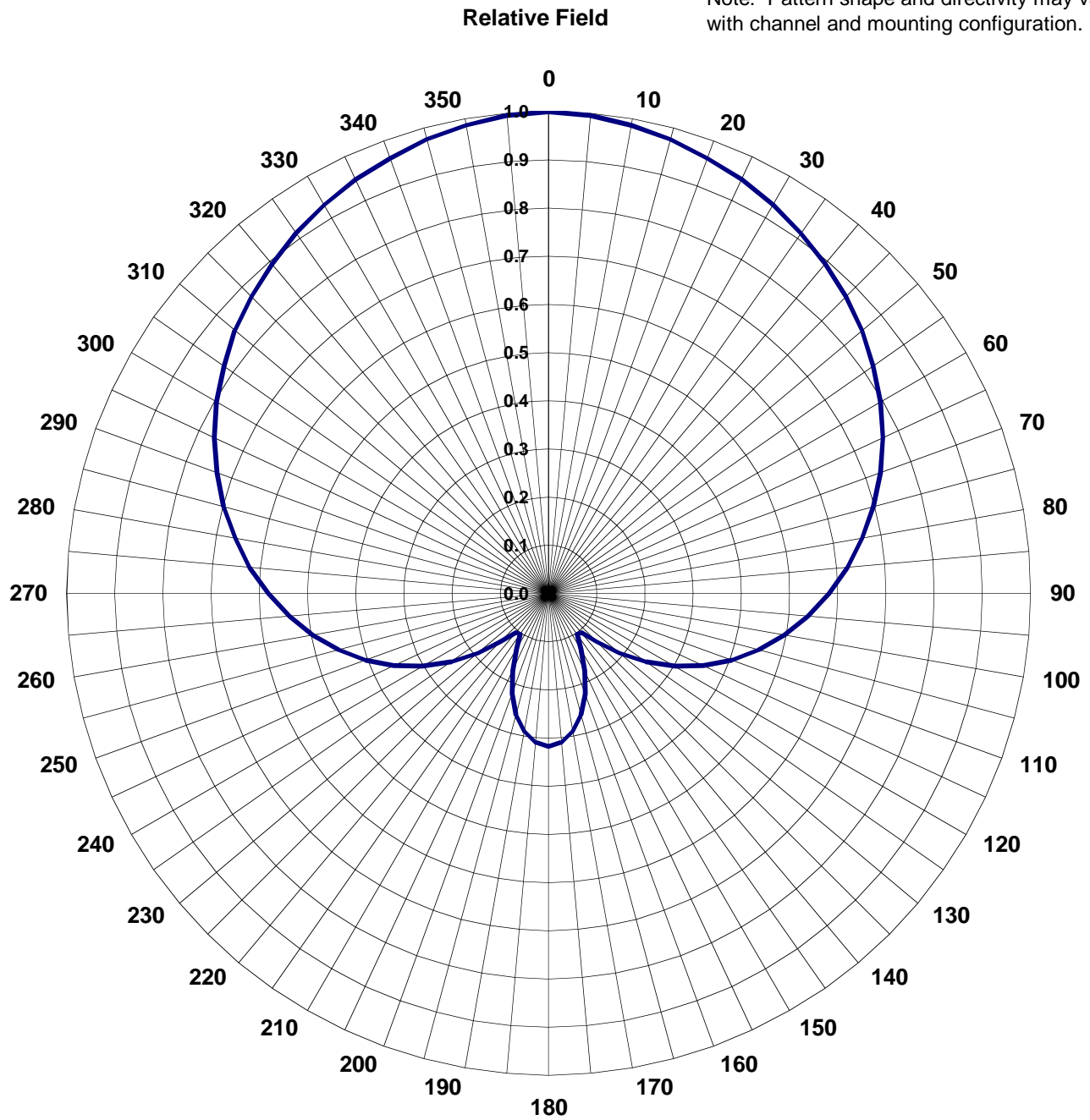
ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB
0	0.242	-12.32	92	0.999	-0.01	184	0.254	-11.90	276	0.985	-0.13
2	0.241	-12.36	94	0.997	-0.03	186	0.252	-11.97	278	0.977	-0.20
4	0.241	-12.36	96	0.992	-0.07	188	0.250	-12.04	280	0.967	-0.29
6	0.240	-12.40	98	0.984	-0.14	190	0.248	-12.11	282	0.954	-0.41
8	0.238	-12.47	100	0.974	-0.23	192	0.248	-12.11	284	0.941	-0.53
10	0.237	-12.51	102	0.963	-0.33	194	0.248	-12.11	286	0.925	-0.68
12	0.235	-12.58	104	0.949	-0.45	196	0.249	-12.08	288	0.908	-0.84
14	0.235	-12.58	106	0.933	-0.60	198	0.252	-11.97	290	0.889	-1.02
16	0.236	-12.54	108	0.916	-0.76	200	0.258	-11.77	292	0.868	-1.23
18	0.238	-12.47	110	0.897	-0.94	202	0.266	-11.50	294	0.844	-1.47
20	0.242	-12.32	112	0.877	-1.14	204	0.277	-11.15	296	0.820	-1.72
22	0.248	-12.11	114	0.856	-1.35	206	0.289	-10.78	298	0.793	-2.01
24	0.257	-11.80	116	0.832	-1.60	208	0.306	-10.29	300	0.764	-2.34
26	0.269	-11.40	118	0.807	-1.86	210	0.324	-9.79	302	0.733	-2.70
28	0.284	-10.93	120	0.781	-2.15	212	0.344	-9.27	304	0.701	-3.09
30	0.302	-10.40	122	0.752	-2.48	214	0.368	-8.68	306	0.668	-3.50
32	0.322	-9.84	124	0.722	-2.83	216	0.394	-8.09	308	0.635	-3.94
34	0.346	-9.22	126	0.689	-3.24	218	0.421	-7.51	310	0.600	-4.44
36	0.373	-8.57	128	0.656	-3.66	220	0.451	-6.92	312	0.565	-4.96
38	0.401	-7.94	130	0.622	-4.12	222	0.483	-6.32	314	0.531	-5.50
40	0.432	-7.29	132	0.586	-4.64	224	0.517	-5.73	316	0.497	-6.07
42	0.464	-6.67	134	0.551	-5.18	226	0.551	-5.18	318	0.464	-6.67
44	0.497	-6.07	136	0.517	-5.73	228	0.586	-4.64	320	0.432	-7.29
46	0.531	-5.50	138	0.483	-6.32	230	0.622	-4.12	322	0.401	-7.94
48	0.565	-4.96	140	0.451	-6.92	232	0.656	-3.66	324	0.373	-8.57
50	0.600	-4.44	142	0.421	-7.51	234	0.689	-3.24	326	0.346	-9.22
52	0.635	-3.94	144	0.394	-8.09	236	0.722	-2.83	328	0.322	-9.84
54	0.668	-3.50	146	0.368	-8.68	238	0.752	-2.48	330	0.302	-10.40
56	0.701	-3.09	148	0.344	-9.27	240	0.781	-2.15	332	0.284	-10.93
58	0.733	-2.70	150	0.324	-9.79	242	0.807	-1.86	334	0.269	-11.40
60	0.764	-2.34	152	0.306	-10.29	244	0.832	-1.60	336	0.257	-11.80
62	0.793	-2.01	154	0.289	-10.78	246	0.856	-1.35	338	0.248	-12.11
64	0.820	-1.72	156	0.277	-11.15	248	0.877	-1.14	340	0.242	-12.32
66	0.844	-1.47	158	0.266	-11.50	250	0.897	-0.94	342	0.238	-12.47
68	0.868	-1.23	160	0.258	-11.77	252	0.916	-0.76	344	0.236	-12.54
70	0.889	-1.02	162	0.252	-11.97	254	0.933	-0.60	346	0.235	-12.58
72	0.908	-0.84	164	0.249	-12.08	256	0.949	-0.45	348	0.235	-12.58
74	0.925	-0.68	166	0.248	-12.11	258	0.963	-0.33	350	0.237	-12.51
76	0.941	-0.53	168	0.248	-12.11	260	0.974	-0.23	352	0.238	-12.47
78	0.954	-0.41	170	0.248	-12.11	262	0.984	-0.14	354	0.240	-12.40
80	0.967	-0.29	172	0.250	-12.04	264	0.992	-0.07	356	0.241	-12.36
82	0.977	-0.20	174	0.252	-11.97	266	0.997	-0.03	358	0.241	-12.36
84	0.985	-0.13	176	0.254	-11.90	268	0.999	-0.01	360	0.242	-12.32
86	0.992	-0.07	178	0.255	-11.87	270	1.000	0.00			
88	0.997	-0.03	180	0.256	-11.84	272	0.997	-0.03			
90	1.000	0.00	182	0.255	-11.87	274	0.992	-0.07			



AZIMUTH PATTERN

TYPE:	ALP-M-H	
	Numeric	dB
Directivity:	2.40	(3.80)
Peak(s) at:		
Polarization:	Horizontal	
Channel:		
Location:		

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



TABULATED DATA FOR AZIMUTH PATTERN

TYPE: **ALP-M-H**

POLARIZATION: **Horizontal**

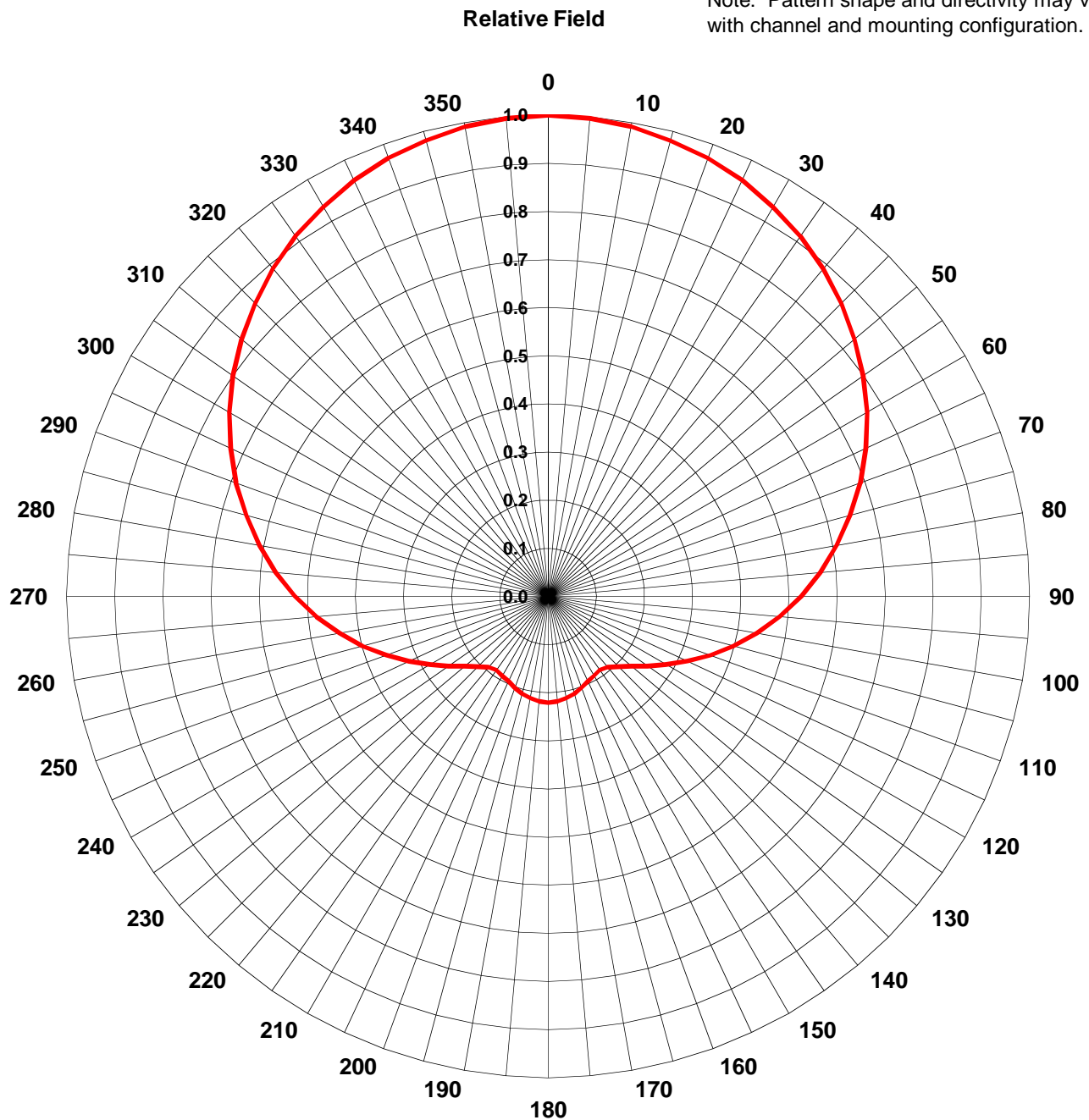
ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB
0	1.000	0.00	92	0.566	-5.35	184	0.313	-10.03	276	0.630	-4.61
2	0.998	-0.02	94	0.549	-5.56	186	0.307	-10.12	278	0.646	-4.44
4	0.996	-0.04	96	0.532	-5.78	188	0.299	-10.23	280	0.660	-4.26
6	0.993	-0.06	98	0.516	-6.00	190	0.290	-10.31	282	0.676	-4.11
8	0.989	-0.09	100	0.496	-6.23	192	0.280	-10.57	284	0.691	-3.96
10	0.987	-0.10	102	0.480	-6.50	194	0.267	-10.84	286	0.705	-3.81
12	0.983	-0.17	104	0.461	-6.78	196	0.254	-11.09	288	0.720	-3.66
14	0.979	-0.23	106	0.443	-7.05	198	0.238	-11.37	290	0.732	-3.52
16	0.975	-0.28	108	0.425	-7.35	200	0.222	-11.67	292	0.746	-3.38
18	0.968	-0.35	110	0.405	-7.66	202	0.204	-11.97	294	0.758	-3.24
20	0.962	-0.41	112	0.385	-8.02	204	0.187	-12.29	296	0.772	-3.09
22	0.958	-0.49	114	0.366	-8.43	206	0.169	-12.65	298	0.784	-2.95
24	0.950	-0.58	116	0.344	-8.83	208	0.150	-13.00	300	0.795	-2.82
26	0.944	-0.67	118	0.324	-9.27	210	0.134	-13.35	302	0.806	-2.67
28	0.940	-0.76	120	0.303	-9.71	212	0.119	-13.43	304	0.817	-2.53
30	0.931	-0.85	122	0.279	-10.14	214	0.107	-13.56	306	0.828	-2.38
32	0.923	-0.96	124	0.257	-10.60	216	0.101	-13.64	308	0.838	-2.25
34	0.915	-1.08	126	0.236	-11.12	218	0.100	-13.76	310	0.849	-2.11
36	0.911	-1.19	128	0.213	-11.63	220	0.106	-13.85	312	0.858	-1.97
38	0.903	-1.31	130	0.192	-12.18	222	0.117	-13.47	314	0.867	-1.83
40	0.893	-1.43	132	0.170	-12.51	224	0.133	-13.15	316	0.875	-1.70
42	0.884	-1.57	134	0.150	-12.80	226	0.150	-12.80	318	0.884	-1.57
44	0.875	-1.70	136	0.133	-13.15	228	0.170	-12.51	320	0.893	-1.43
46	0.867	-1.83	138	0.117	-13.47	230	0.192	-12.18	322	0.903	-1.31
48	0.858	-1.97	140	0.106	-13.85	232	0.213	-11.63	324	0.911	-1.19
50	0.849	-2.11	142	0.100	-13.76	234	0.236	-11.12	326	0.915	-1.08
52	0.838	-2.25	144	0.101	-13.64	236	0.257	-10.60	328	0.923	-0.96
54	0.828	-2.38	146	0.107	-13.56	238	0.279	-10.14	330	0.931	-0.85
56	0.817	-2.53	148	0.119	-13.43	240	0.303	-9.71	332	0.940	-0.76
58	0.806	-2.67	150	0.134	-13.35	242	0.324	-9.27	334	0.944	-0.67
60	0.795	-2.82	152	0.150	-13.00	244	0.344	-8.83	336	0.950	-0.58
62	0.784	-2.95	154	0.169	-12.65	246	0.366	-8.43	338	0.958	-0.49
64	0.772	-3.09	156	0.187	-12.29	248	0.385	-8.02	340	0.962	-0.41
66	0.758	-3.24	158	0.204	-11.97	250	0.405	-7.66	342	0.968	-0.35
68	0.746	-3.38	160	0.222	-11.67	252	0.425	-7.35	344	0.975	-0.28
70	0.732	-3.52	162	0.238	-11.37	254	0.443	-7.05	346	0.979	-0.23
72	0.720	-3.66	164	0.254	-11.09	256	0.461	-6.78	348	0.983	-0.17
74	0.705	-3.81	166	0.267	-10.84	258	0.480	-6.50	350	0.987	-0.10
76	0.691	-3.96	168	0.280	-10.57	260	0.496	-6.23	352	0.989	-0.09
78	0.676	-4.11	170	0.290	-10.31	262	0.516	-6.00	354	0.993	-0.06
80	0.660	-4.26	172	0.299	-10.23	264	0.532	-5.78	356	0.996	-0.04
82	0.646	-4.44	174	0.307	-10.12	266	0.549	-5.56	358	0.998	-0.02
84	0.630	-4.61	176	0.313	-10.03	268	0.566	-5.35	360	1.000	0.00
86	0.614	-4.78	178	0.316	-9.92	270	0.582	-5.15			
88	0.599	-4.96	180	0.317	-9.84	272	0.599	-4.96			
90	0.582	-5.15	182	0.316	-9.92	274	0.614	-4.78			



AZIMUTH PATTERN

TYPE:	ALP-M-V	
Directivity:	Numeric	dB
Peak(s) at:	2.52	(4.01)
Polarization:	Vertical	
Channel:		
Location:		

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



TABULATED DATA FOR AZIMUTH PATTERN

TYPE: ALP-M-V

POLARIZATION: Vertical

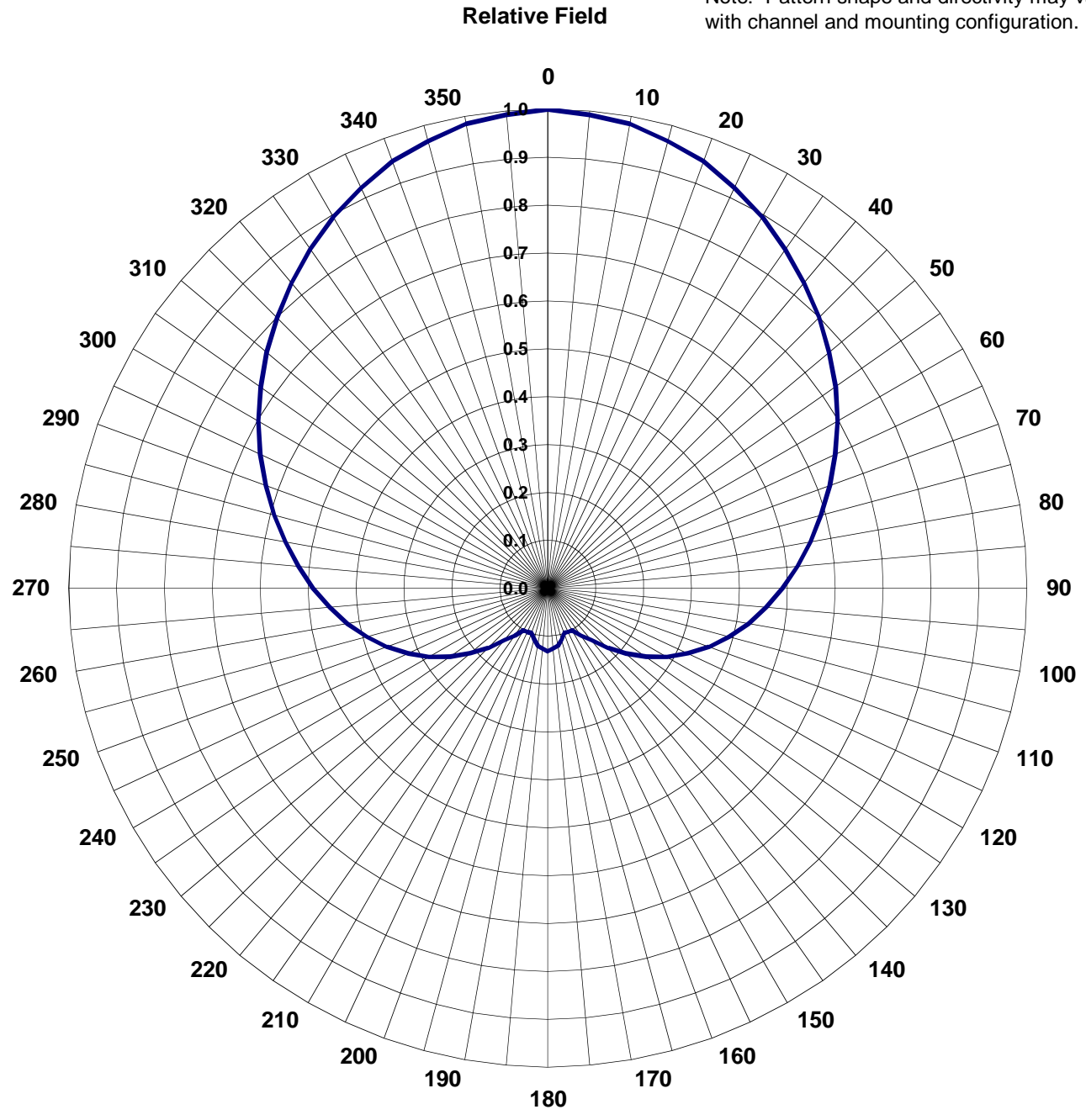
ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB
0	1.000	0.00	92	0.509	-2.56	184	0.220	-10.06	276	0.576	-1.95
2	0.999	-0.01	94	0.492	-2.72	186	0.218	-10.26	278	0.593	-1.81
4	0.998	-0.01	96	0.475	-2.89	188	0.217	-10.52	280	0.609	-1.66
6	0.997	-0.01	98	0.457	-3.07	190	0.215	-10.84	282	0.625	-1.52
8	0.993	-0.01	100	0.440	-3.26	192	0.213	-11.24	284	0.642	-1.39
10	0.991	-0.01	102	0.423	-3.47	194	0.210	-11.67	286	0.659	-1.26
12	0.988	-0.01	104	0.406	-3.69	196	0.207	-12.11	288	0.674	-1.13
14	0.983	-0.01	106	0.391	-3.93	198	0.205	-12.62	290	0.690	-1.01
16	0.980	-0.01	108	0.374	-4.19	200	0.202	-13.07	292	0.705	-0.90
18	0.975	-0.01	110	0.358	-4.48	202	0.199	-13.51	294	0.721	-0.79
20	0.970	-0.01	112	0.342	-4.81	204	0.197	-13.94	296	0.736	-0.69
22	0.963	-0.01	114	0.326	-5.16	206	0.194	-14.24	298	0.747	-0.59
24	0.957	-0.01	116	0.311	-5.55	208	0.192	-14.47	300	0.765	-0.50
26	0.950	-0.01	118	0.297	-5.97	210	0.190	-14.52	302	0.779	-0.43
28	0.943	-0.01	120	0.283	-6.45	212	0.189	-14.47	304	0.791	-0.35
30	0.934	-0.01	122	0.271	-6.96	214	0.189	-14.24	306	0.805	-0.29
32	0.926	-0.01	124	0.258	-7.49	216	0.183	-13.85	308	0.817	-0.23
34	0.918	-0.01	126	0.246	-8.09	218	0.181	-13.39	310	0.831	-0.18
36	0.909	-0.01	128	0.236	-8.73	220	0.192	-12.80	312	0.843	-0.14
38	0.899	-0.02	130	0.226	-9.37	222	0.198	-12.15	314	0.855	-0.10
40	0.889	-0.03	132	0.217	-10.06	224	0.203	-11.47	316	0.866	-0.08
42	0.878	-0.05	134	0.210	-10.78	226	0.210	-10.78	318	0.878	-0.05
44	0.866	-0.08	136	0.203	-11.47	228	0.217	-10.06	320	0.889	-0.03
46	0.855	-0.10	138	0.198	-12.15	230	0.226	-9.37	322	0.899	-0.02
48	0.843	-0.14	140	0.192	-12.80	232	0.236	-8.73	324	0.909	-0.01
50	0.831	-0.18	142	0.181	-13.39	234	0.246	-8.09	326	0.918	-0.01
52	0.817	-0.23	144	0.183	-13.85	236	0.258	-7.49	328	0.926	-0.01
54	0.805	-0.29	146	0.189	-14.24	238	0.271	-6.96	330	0.934	-0.01
56	0.791	-0.35	148	0.189	-14.47	240	0.283	-6.45	332	0.943	-0.01
58	0.779	-0.43	150	0.190	-14.52	242	0.297	-5.97	334	0.950	-0.01
60	0.765	-0.50	152	0.192	-14.47	244	0.311	-5.55	336	0.957	-0.01
62	0.747	-0.59	154	0.194	-14.24	246	0.326	-5.16	338	0.963	-0.01
64	0.736	-0.69	156	0.197	-13.94	248	0.342	-4.81	340	0.970	-0.01
66	0.721	-0.79	158	0.199	-13.51	250	0.358	-4.48	342	0.975	-0.01
68	0.705	-0.90	160	0.202	-13.07	252	0.374	-4.19	344	0.980	-0.01
70	0.690	-1.01	162	0.205	-12.62	254	0.391	-3.93	346	0.983	-0.01
72	0.674	-1.13	164	0.207	-12.11	256	0.406	-3.69	348	0.988	-0.01
74	0.659	-1.26	166	0.210	-11.67	258	0.423	-3.47	350	0.991	-0.01
76	0.642	-1.39	168	0.213	-11.24	260	0.440	-3.26	352	0.993	-0.01
78	0.625	-1.52	170	0.215	-10.84	262	0.457	-3.07	354	0.997	-0.01
80	0.609	-1.66	172	0.217	-10.52	264	0.475	-2.89	356	0.998	-0.01
82	0.593	-1.81	174	0.218	-10.26	266	0.492	-2.72	358	0.999	-0.01
84	0.576	-1.95	176	0.220	-10.06	268	0.509	-2.56	360	1.000	0.00
86	0.560	-2.10	178	0.220	-9.92	270	0.526	-2.41			
88	0.542	-2.25	180	0.221	-9.84	272	0.542	-2.25			
90	0.526	-2.41	182	0.220	-9.92	274	0.560	-2.10			



AZIMUTH PATTERN

TYPE:	ALP-MR	
Directivity:	Numeric	dB
Peak(s) at:	2.82	(4.50)
Polarization:	Horizontal	
Channel:		
Location:		

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



TABULATED DATA FOR AZIMUTH PATTERN

TYPE: ALP-MR

POLARIZATION: Horizontal

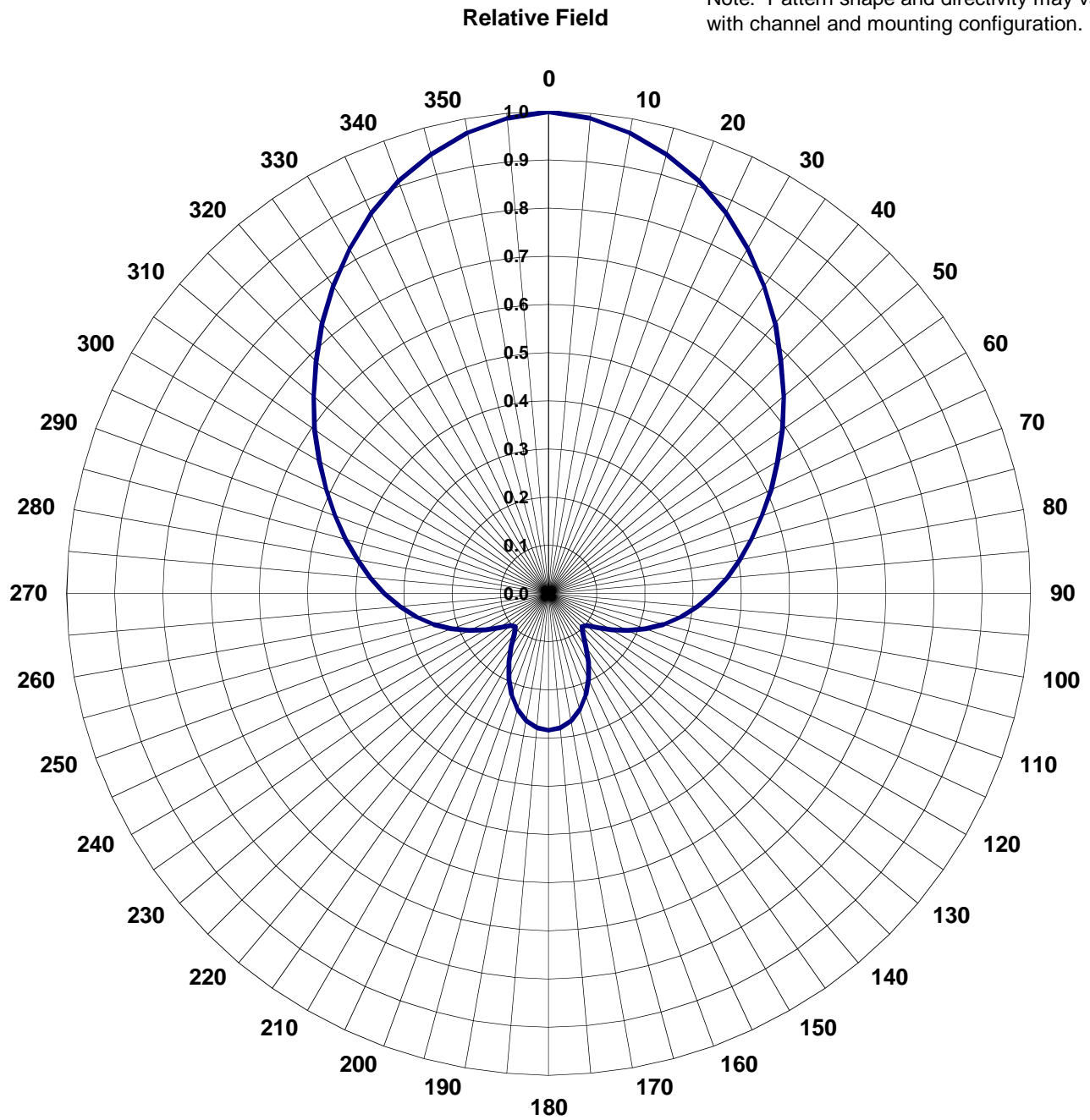
ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB
0	1.000	0.00	92	0.477	-6.43	184	0.128	-17.86	276	0.530	-5.51
2	0.997	-0.03	94	0.464	-6.67	186	0.126	-17.99	278	0.543	-5.30
4	0.994	-0.05	96	0.451	-6.92	188	0.124	-18.13	280	0.556	-5.10
6	0.991	-0.08	98	0.438	-7.17	190	0.122	-18.27	282	0.570	-4.88
8	0.988	-0.10	100	0.425	-7.43	192	0.118	-18.56	284	0.584	-4.67
10	0.985	-0.13	102	0.412	-7.70	194	0.113	-18.94	286	0.598	-4.47
12	0.978	-0.19	104	0.398	-8.00	196	0.109	-19.25	288	0.612	-4.26
14	0.971	-0.26	106	0.385	-8.29	198	0.104	-19.66	290	0.626	-4.07
16	0.963	-0.33	108	0.371	-8.61	200	0.100	-20.00	292	0.640	-3.88
18	0.956	-0.39	110	0.358	-8.92	202	0.100	-20.00	294	0.655	-3.68
20	0.949	-0.45	112	0.344	-9.27	204	0.100	-20.00	296	0.669	-3.49
22	0.938	-0.56	114	0.330	-9.63	206	0.101	-19.91	298	0.684	-3.30
24	0.927	-0.66	116	0.315	-10.03	208	0.101	-19.91	300	0.698	-3.12
26	0.917	-0.75	118	0.301	-10.43	210	0.101	-19.91	302	0.712	-2.95
28	0.906	-0.86	120	0.287	-10.84	212	0.109	-19.25	304	0.726	-2.78
30	0.895	-0.96	122	0.272	-11.31	214	0.117	-18.64	306	0.739	-2.63
32	0.882	-1.09	124	0.257	-11.80	216	0.125	-18.06	308	0.753	-2.46
34	0.870	-1.21	126	0.242	-12.32	218	0.133	-17.52	310	0.767	-2.30
36	0.857	-1.34	128	0.227	-12.88	220	0.141	-17.02	312	0.780	-2.16
38	0.845	-1.46	130	0.212	-13.47	222	0.155	-16.19	314	0.793	-2.01
40	0.832	-1.60	132	0.198	-14.07	224	0.169	-15.44	316	0.806	-1.87
42	0.819	-1.73	134	0.184	-14.70	226	0.184	-14.70	318	0.819	-1.73
44	0.806	-1.87	136	0.169	-15.44	228	0.198	-14.07	320	0.832	-1.60
46	0.793	-2.01	138	0.155	-16.19	230	0.212	-13.47	322	0.845	-1.46
48	0.780	-2.16	140	0.141	-17.02	232	0.227	-12.88	324	0.857	-1.34
50	0.767	-2.30	142	0.133	-17.52	234	0.242	-12.32	326	0.870	-1.21
52	0.753	-2.46	144	0.125	-18.06	236	0.257	-11.80	328	0.882	-1.09
54	0.739	-2.63	146	0.117	-18.64	238	0.272	-11.31	330	0.895	-0.96
56	0.726	-2.78	148	0.109	-19.25	240	0.287	-10.84	332	0.906	-0.86
58	0.712	-2.95	150	0.101	-19.91	242	0.301	-10.43	334	0.917	-0.75
60	0.698	-3.12	152	0.101	-19.91	244	0.315	-10.03	336	0.927	-0.66
62	0.684	-3.30	154	0.101	-19.91	246	0.330	-9.63	338	0.938	-0.56
64	0.669	-3.49	156	0.100	-20.00	248	0.344	-9.27	340	0.949	-0.45
66	0.655	-3.68	158	0.100	-20.00	250	0.358	-8.92	342	0.956	-0.39
68	0.640	-3.88	160	0.100	-20.00	252	0.371	-8.61	344	0.963	-0.33
70	0.626	-4.07	162	0.104	-19.66	254	0.385	-8.29	346	0.971	-0.26
72	0.612	-4.26	164	0.109	-19.25	256	0.398	-8.00	348	0.978	-0.19
74	0.598	-4.47	166	0.113	-18.94	258	0.412	-7.70	350	0.985	-0.13
76	0.584	-4.67	168	0.118	-18.56	260	0.425	-7.43	352	0.988	-0.10
78	0.570	-4.88	170	0.122	-18.27	262	0.438	-7.17	354	0.991	-0.08
80	0.556	-5.10	172	0.124	-18.13	264	0.451	-6.92	356	0.994	-0.05
82	0.543	-5.30	174	0.126	-17.99	266	0.464	-6.67	358	0.997	-0.03
84	0.530	-5.51	176	0.128	-17.86	268	0.477	-6.43	360	1.000	0.00
86	0.516	-5.75	178	0.130	-17.72	270	0.490	-6.20			
88	0.503	-5.97	180	0.132	-17.59	272	0.503	-5.97			
90	0.490	-6.20	182	0.130	-17.72	274	0.516	-5.75			



AZIMUTH PATTERN

TYPE:	ALP-N-H	
Directivity:	Numeric	dB
Peak(s) at:	3.54	(5.49)
Polarization:	Horizontal	
Channel:		
Location:		

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



TABULATED DATA FOR AZIMUTH PATTERN

TYPE: **ALP-N-H**

POLARIZATION: **Horizontal**

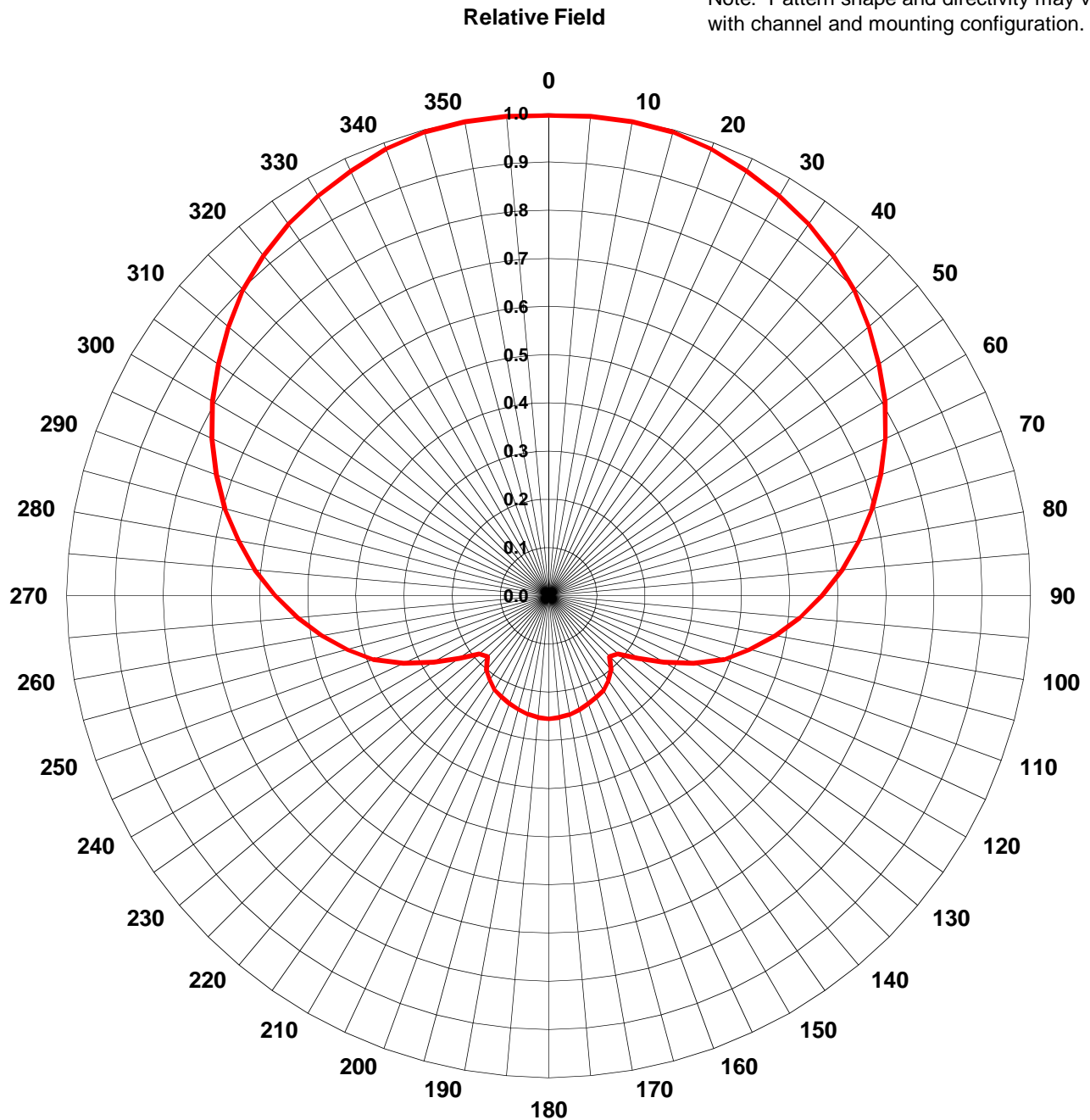
ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB
0	1.000	0.00	92	0.328	-10.29	184	0.281	-12.92	276	0.378	-9.22
2	0.996	-0.03	94	0.314	-10.54	186	0.278	-13.15	278	0.390	-8.95
4	0.993	-0.06	96	0.303	-10.84	188	0.273	-13.47	280	0.403	-8.68
6	0.987	-0.10	98	0.290	-11.09	190	0.268	-13.89	282	0.417	-8.40
8	0.978	-0.17	100	0.279	-11.40	192	0.262	-14.33	284	0.429	-8.11
10	0.971	-0.25	102	0.267	-11.70	194	0.253	-14.85	286	0.443	-7.83
12	0.962	-0.34	104	0.254	-12.04	196	0.245	-15.44	288	0.458	-7.51
14	0.950	-0.45	106	0.241	-12.36	198	0.235	-15.97	290	0.471	-7.23
16	0.937	-0.57	108	0.229	-12.73	200	0.224	-16.65	292	0.486	-6.94
18	0.925	-0.71	110	0.215	-13.11	202	0.213	-17.27	294	0.501	-6.63
20	0.911	-0.86	112	0.203	-13.51	204	0.203	-17.92	296	0.516	-6.32
22	0.895	-1.02	114	0.189	-13.98	206	0.190	-18.56	298	0.532	-6.04
24	0.878	-1.19	116	0.176	-14.47	208	0.178	-19.17	300	0.549	-5.73
26	0.861	-1.38	118	0.163	-14.94	210	0.165	-19.66	302	0.565	-5.43
28	0.845	-1.58	120	0.151	-15.49	212	0.153	-20.09	304	0.583	-5.15
30	0.827	-1.78	122	0.140	-16.03	214	0.141	-20.45	306	0.600	-4.87
32	0.808	-1.99	124	0.129	-16.59	216	0.130	-20.63	308	0.618	-4.57
34	0.789	-2.21	126	0.119	-17.20	218	0.119	-20.63	310	0.636	-4.28
36	0.771	-2.45	128	0.110	-17.79	220	0.111	-20.54	312	0.654	-4.00
38	0.750	-2.69	130	0.104	-18.42	222	0.104	-20.35	314	0.673	-3.73
40	0.731	-2.94	132	0.099	-18.94	224	0.099	-19.91	316	0.693	-3.47
42	0.711	-3.20	134	0.098	-19.49	226	0.098	-19.49	318	0.711	-3.20
44	0.693	-3.47	136	0.099	-19.91	228	0.099	-18.94	320	0.731	-2.94
46	0.673	-3.73	138	0.104	-20.35	230	0.104	-18.42	322	0.750	-2.69
48	0.654	-4.00	140	0.111	-20.54	232	0.110	-17.79	324	0.771	-2.45
50	0.636	-4.28	142	0.119	-20.63	234	0.119	-17.20	326	0.789	-2.21
52	0.618	-4.57	144	0.130	-20.63	236	0.129	-16.59	328	0.808	-1.99
54	0.600	-4.87	146	0.141	-20.45	238	0.140	-16.03	330	0.827	-1.78
56	0.583	-5.15	148	0.153	-20.09	240	0.151	-15.49	332	0.845	-1.58
58	0.565	-5.43	150	0.165	-19.66	242	0.163	-14.94	334	0.861	-1.38
60	0.549	-5.73	152	0.178	-19.17	244	0.176	-14.47	336	0.878	-1.19
62	0.532	-6.04	154	0.190	-18.56	246	0.189	-13.98	338	0.895	-1.02
64	0.516	-6.32	156	0.203	-17.92	248	0.203	-13.51	340	0.911	-0.86
66	0.501	-6.63	158	0.213	-17.27	250	0.215	-13.11	342	0.925	-0.71
68	0.486	-6.94	160	0.224	-16.65	252	0.229	-12.73	344	0.937	-0.57
70	0.471	-7.23	162	0.235	-15.97	254	0.241	-12.36	346	0.950	-0.45
72	0.458	-7.51	164	0.245	-15.44	256	0.254	-12.04	348	0.962	-0.34
74	0.443	-7.83	166	0.253	-14.85	258	0.267	-11.70	350	0.971	-0.25
76	0.429	-8.11	168	0.262	-14.33	260	0.279	-11.40	352	0.978	-0.17
78	0.417	-8.40	170	0.268	-13.89	262	0.290	-11.09	354	0.987	-0.10
80	0.403	-8.68	172	0.273	-13.47	264	0.303	-10.84	356	0.993	-0.06
82	0.390	-8.95	174	0.278	-13.15	266	0.314	-10.54	358	0.996	-0.03
84	0.378	-9.22	176	0.281	-12.92	268	0.328	-10.29	360	1.000	0.00
86	0.366	-9.50	178	0.283	-12.69	270	0.340	-10.01			
88	0.353	-9.76	180	0.284	-12.54	272	0.353	-9.76			
90	0.340	-10.01	182	0.283	-12.69	274	0.366	-9.50			



AZIMUTH PATTERN

TYPE:	ALP-N-V	
	Numeric	dB
Directivity:	2.34	(3.69)
Peak(s) at:		
Polarization:	Vertical	
Channel:		
Location:		

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



TABULATED DATA FOR AZIMUTH PATTERN

TYPE: ALP-N-V

POLARIZATION: Vertical

ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB
0	0.996	0.00	92	0.551	-2.56	184	0.254	-10.06	276	0.621	-1.95
2	0.998	-0.01	94	0.533	-2.72	186	0.253	-10.26	278	0.638	-1.81
4	1.000	-0.01	96	0.514	-2.89	188	0.252	-10.52	280	0.654	-1.66
6	0.998	-0.01	98	0.497	-3.07	190	0.250	-10.84	282	0.671	-1.52
8	1.000	-0.01	100	0.478	-3.26	192	0.248	-11.24	284	0.687	-1.39
10	0.998	-0.01	102	0.460	-3.47	194	0.245	-11.67	286	0.704	-1.26
12	0.997	-0.01	104	0.442	-3.69	196	0.243	-12.11	288	0.718	-1.13
14	0.996	-0.01	106	0.423	-3.93	198	0.240	-12.62	290	0.734	-1.01
16	0.992	-0.01	108	0.406	-4.19	200	0.238	-13.07	292	0.750	-0.90
18	0.990	-0.01	110	0.388	-4.48	202	0.235	-13.51	294	0.764	-0.79
20	0.986	-0.01	112	0.370	-4.81	204	0.233	-13.94	296	0.778	-0.69
22	0.983	-0.01	114	0.346	-5.16	206	0.231	-14.24	298	0.792	-0.59
24	0.977	-0.01	116	0.322	-5.55	208	0.229	-14.47	300	0.806	-0.50
26	0.971	-0.01	118	0.297	-5.97	210	0.225	-14.52	302	0.818	-0.43
28	0.965	-0.01	120	0.276	-6.45	212	0.221	-14.47	304	0.831	-0.35
30	0.957	-0.01	122	0.255	-6.96	214	0.216	-14.24	306	0.843	-0.29
32	0.952	-0.01	124	0.235	-7.49	216	0.210	-13.85	308	0.856	-0.23
34	0.946	-0.01	126	0.217	-8.09	218	0.200	-13.39	310	0.867	-0.18
36	0.936	-0.01	128	0.200	-8.73	220	0.202	-12.80	312	0.879	-0.14
38	0.928	-0.02	130	0.189	-9.37	222	0.189	-12.15	314	0.890	-0.10
40	0.920	-0.03	132	0.181	-10.06	224	0.181	-11.47	316	0.900	-0.08
42	0.911	-0.05	134	0.178	-10.78	226	0.178	-10.78	318	0.911	-0.05
44	0.900	-0.08	136	0.181	-11.47	228	0.181	-10.06	320	0.920	-0.03
46	0.890	-0.10	138	0.189	-12.15	230	0.189	-9.37	322	0.928	-0.02
48	0.879	-0.14	140	0.202	-12.80	232	0.200	-8.73	324	0.936	-0.01
50	0.867	-0.18	142	0.200	-13.39	234	0.217	-8.09	326	0.946	-0.01
52	0.856	-0.23	144	0.213	-13.85	236	0.235	-7.49	328	0.952	-0.01
54	0.843	-0.29	146	0.218	-14.24	238	0.255	-6.96	330	0.957	-0.01
56	0.831	-0.35	148	0.223	-14.47	240	0.276	-6.45	332	0.965	-0.01
58	0.818	-0.43	150	0.227	-14.52	242	0.297	-5.97	334	0.971	-0.01
60	0.806	-0.50	152	0.230	-14.47	244	0.322	-5.55	336	0.977	-0.01
62	0.792	-0.59	154	0.232	-14.24	246	0.346	-5.16	338	0.983	-0.01
64	0.778	-0.69	156	0.234	-13.94	248	0.370	-4.81	340	0.986	-0.01
66	0.764	-0.79	158	0.236	-13.51	250	0.388	-4.48	342	0.990	-0.01
68	0.750	-0.90	160	0.239	-13.07	252	0.406	-4.19	344	0.992	-0.01
70	0.734	-1.01	162	0.242	-12.62	254	0.423	-3.93	346	0.996	-0.01
72	0.718	-1.13	164	0.244	-12.11	256	0.442	-3.69	348	0.997	-0.01
74	0.704	-1.26	166	0.247	-11.67	258	0.460	-3.47	350	0.998	-0.01
76	0.687	-1.39	168	0.249	-11.24	260	0.478	-3.26	352	1.000	-0.01
78	0.671	-1.52	170	0.251	-10.84	262	0.497	-3.07	354	0.998	-0.01
80	0.654	-1.66	172	0.253	-10.52	264	0.514	-2.89	356	1.000	-0.01
82	0.638	-1.81	174	0.254	-10.26	266	0.533	-2.72	358	0.998	-0.01
84	0.621	-1.95	176	0.255	-10.06	268	0.551	-2.56	360	0.996	0.00
86	0.605	-2.10	178	0.255	-9.92	270	0.568	-2.41			
88	0.586	-2.25	180	0.255	-9.84	272	0.586	-2.25			
90	0.568	-2.41	182	0.255	-9.92	274	0.605	-2.10			

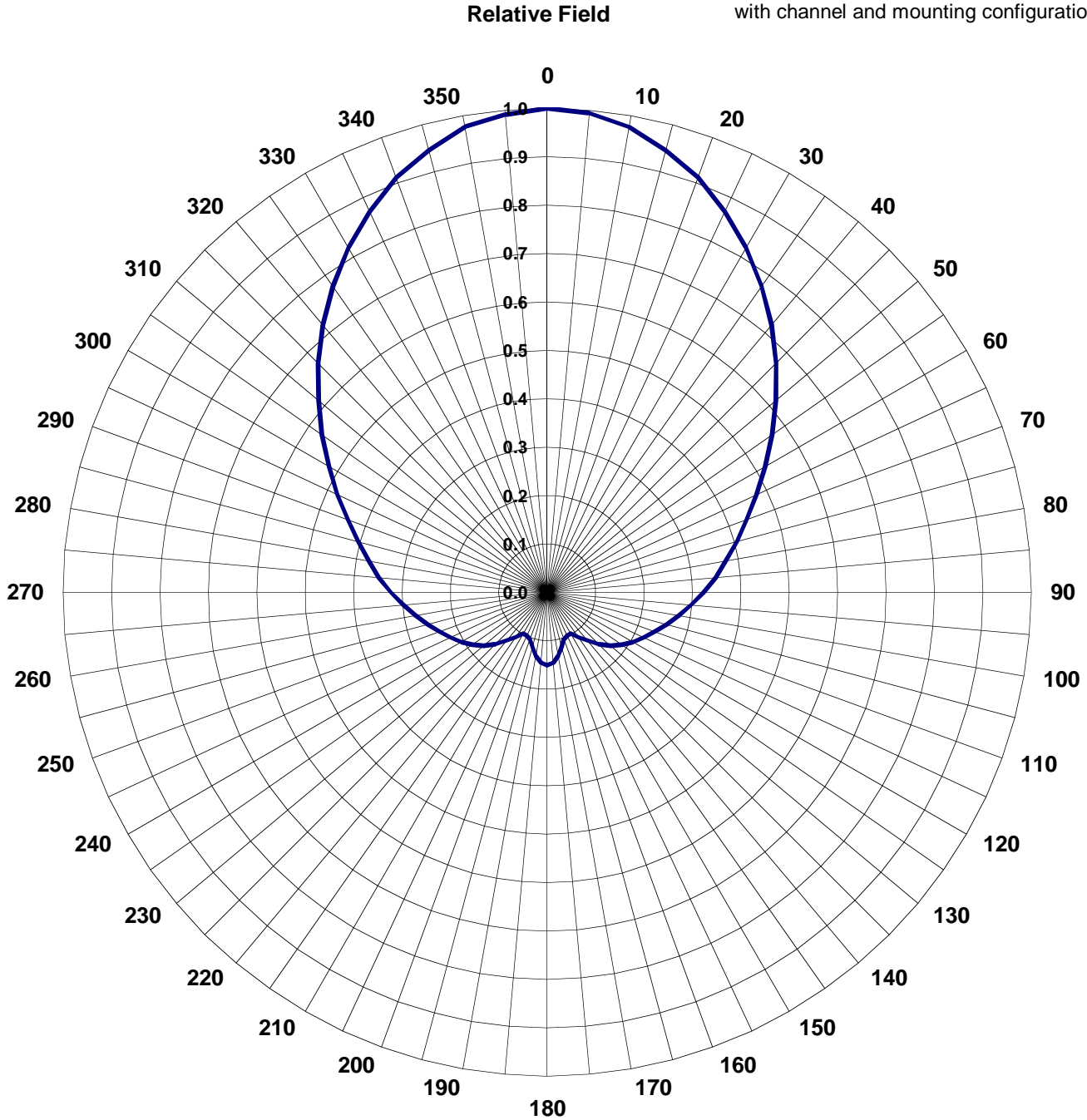


Standard product is Horizontally Polarized Only

AZIMUTH PATTERN

TYPE:	ALP-NR	
Directivity:	Numeric	dB
Peak(s) at:	3.80	(5.80)
Polarization:	Horizontal	
Channel:		
Location:		

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



TABULATED DATA FOR AZIMUTH PATTERN

TYPE: ALP-NR

POLARIZATION: Horizontal

ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB
0	1.000	0.00	92	0.313	-10.09	184	0.148	-16.59	276	0.354	-9.02
2	0.999	-0.01	94	0.304	-10.34	186	0.144	-16.83	278	0.364	-8.78
4	0.996	-0.03	96	0.294	-10.63	188	0.139	-17.14	280	0.375	-8.52
6	0.991	-0.08	98	0.285	-10.90	190	0.133	-17.52	282	0.387	-8.25
8	0.984	-0.14	100	0.276	-11.18	192	0.127	-17.92	284	0.399	-7.98
10	0.976	-0.21	102	0.268	-11.44	194	0.121	-18.34	286	0.412	-7.70
12	0.965	-0.31	104	0.260	-11.70	196	0.115	-18.79	288	0.425	-7.43
14	0.952	-0.43	106	0.252	-11.97	198	0.109	-19.25	290	0.438	-7.17
16	0.939	-0.55	108	0.244	-12.25	200	0.103	-19.74	292	0.454	-6.86
18	0.926	-0.67	110	0.237	-12.51	202	0.101	-19.91	294	0.470	-6.56
20	0.912	-0.80	112	0.230	-12.77	204	0.099	-20.09	296	0.486	-6.27
22	0.895	-0.96	114	0.224	-13.00	206	0.098	-20.18	298	0.503	-5.97
24	0.877	-1.14	116	0.218	-13.23	208	0.098	-20.18	300	0.520	-5.68
26	0.859	-1.32	118	0.211	-13.51	210	0.099	-20.09	302	0.539	-5.37
28	0.841	-1.50	120	0.205	-13.76	212	0.104	-19.66	304	0.558	-5.07
30	0.822	-1.70	122	0.199	-14.02	214	0.110	-19.17	306	0.578	-4.76
32	0.802	-1.92	124	0.192	-14.33	216	0.116	-18.71	308	0.597	-4.48
34	0.782	-2.14	126	0.186	-14.61	218	0.123	-18.20	310	0.617	-4.19
36	0.762	-2.36	128	0.179	-14.94	220	0.130	-17.72	312	0.638	-3.90
38	0.742	-2.59	130	0.172	-15.29	222	0.139	-17.14	314	0.659	-3.62
40	0.721	-2.84	132	0.164	-15.70	224	0.147	-16.65	316	0.679	-3.36
42	0.700	-3.10	134	0.155	-16.19	226	0.155	-16.19	318	0.700	-3.10
44	0.679	-3.36	136	0.147	-16.65	228	0.164	-15.70	320	0.721	-2.84
46	0.659	-3.62	138	0.139	-17.14	230	0.172	-15.29	322	0.742	-2.59
48	0.638	-3.90	140	0.130	-17.72	232	0.179	-14.94	324	0.762	-2.36
50	0.617	-4.19	142	0.123	-18.20	234	0.186	-14.61	326	0.782	-2.14
52	0.597	-4.48	144	0.116	-18.71	236	0.192	-14.33	328	0.802	-1.92
54	0.578	-4.76	146	0.110	-19.17	238	0.199	-14.02	330	0.822	-1.70
56	0.558	-5.07	148	0.104	-19.66	240	0.205	-13.76	332	0.841	-1.50
58	0.539	-5.37	150	0.099	-20.09	242	0.211	-13.51	334	0.859	-1.32
60	0.520	-5.68	152	0.098	-20.18	244	0.218	-13.23	336	0.877	-1.14
62	0.503	-5.97	154	0.098	-20.18	246	0.224	-13.00	338	0.895	-0.96
64	0.486	-6.27	156	0.099	-20.09	248	0.230	-12.77	340	0.912	-0.80
66	0.470	-6.56	158	0.101	-19.91	250	0.237	-12.51	342	0.926	-0.67
68	0.454	-6.86	160	0.103	-19.74	252	0.244	-12.25	344	0.939	-0.55
70	0.438	-7.17	162	0.108	-19.33	254	0.252	-11.97	346	0.952	-0.43
72	0.425	-7.43	164	0.115	-18.79	256	0.260	-11.70	348	0.965	-0.31
74	0.412	-7.70	166	0.120	-18.42	258	0.268	-11.44	350	0.976	-0.21
76	0.399	-7.98	168	0.127	-17.92	260	0.276	-11.18	352	0.982	-0.16
78	0.387	-8.25	170	0.133	-17.52	262	0.285	-10.90	354	0.988	-0.10
80	0.375	-8.52	172	0.139	-17.14	264	0.294	-10.63	356	0.993	-0.06
82	0.364	-8.78	174	0.144	-16.83	266	0.304	-10.34	358	0.997	-0.03
84	0.354	-9.02	176	0.148	-16.59	268	0.313	-10.09	360	1.000	0.00
86	0.343	-9.29	178	0.151	-16.42	270	0.323	-9.82			
88	0.333	-9.55	180	0.151	-16.42	272	0.333	-9.55			
90	0.323	-9.82	182	0.151	-16.42	274	0.343	-9.29			

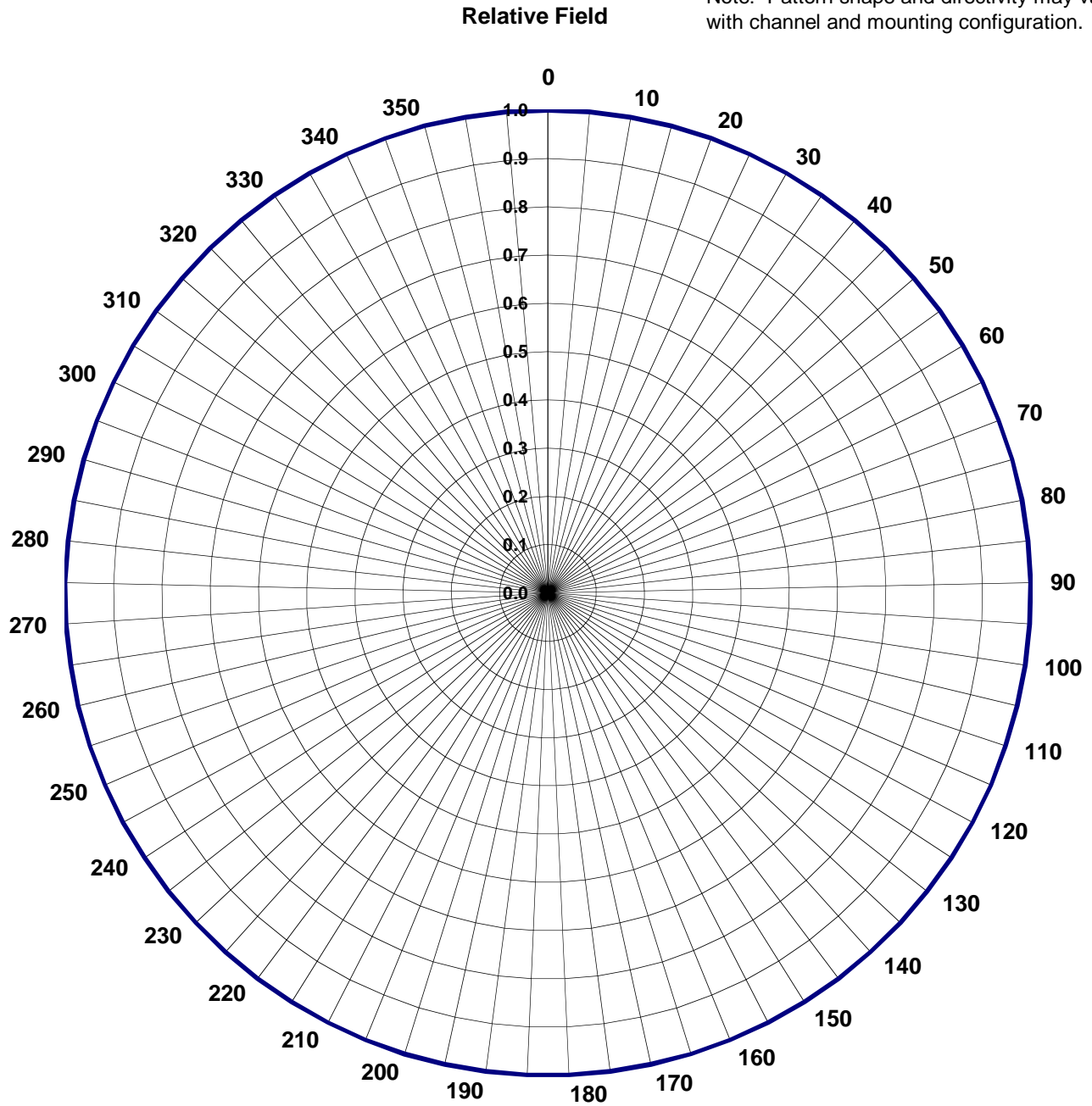


AZIMUTH PATTERN

TYPE:	ALP-O-H	
	Numeric	dB
Directivity:	1.00	(0.00)
Peak(s) at:		
Polarization:	Horizontal	
Channel:		
Location:		

Circularity ± 2 dB

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



TABULATED DATA FOR AZIMUTH PATTERN

TYPE: ALP-O-H

POLARIZATION: Horizontal

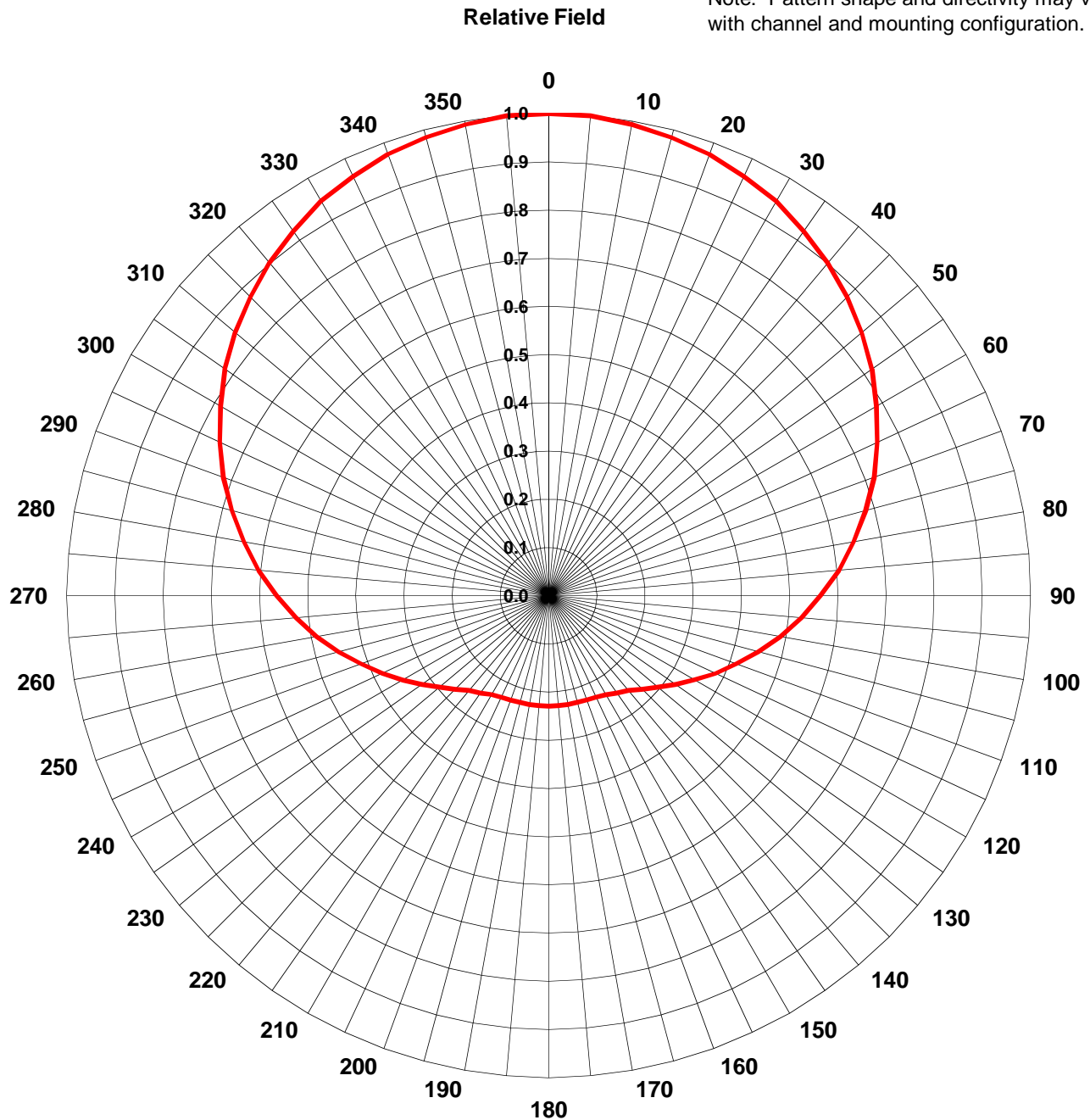
ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB
0	1.000	0.00	92	1.000	0.00	184	1.000	0.00	276	1.000	0.00
2	1.000	0.00	94	1.000	0.00	186	1.000	0.00	278	1.000	0.00
4	1.000	0.00	96	1.000	0.00	188	1.000	0.00	280	1.000	0.00
6	1.000	0.00	98	1.000	0.00	190	1.000	0.00	282	1.000	0.00
8	1.000	0.00	100	1.000	0.00	192	1.000	0.00	284	1.000	0.00
10	1.000	0.00	102	1.000	0.00	194	1.000	0.00	286	1.000	0.00
12	1.000	0.00	104	1.000	0.00	196	1.000	0.00	288	1.000	0.00
14	1.000	0.00	106	1.000	0.00	198	1.000	0.00	290	1.000	0.00
16	1.000	0.00	108	1.000	0.00	200	1.000	0.00	292	1.000	0.00
18	1.000	0.00	110	1.000	0.00	202	1.000	0.00	294	1.000	0.00
20	1.000	0.00	112	1.000	0.00	204	1.000	0.00	296	1.000	0.00
22	1.000	0.00	114	1.000	0.00	206	1.000	0.00	298	1.000	0.00
24	1.000	0.00	116	1.000	0.00	208	1.000	0.00	300	1.000	0.00
26	1.000	0.00	118	1.000	0.00	210	1.000	0.00	302	1.000	0.00
28	1.000	0.00	120	1.000	0.00	212	1.000	0.00	304	1.000	0.00
30	1.000	0.00	122	1.000	0.00	214	1.000	0.00	306	1.000	0.00
32	1.000	0.00	124	1.000	0.00	216	1.000	0.00	308	1.000	0.00
34	1.000	0.00	126	1.000	0.00	218	1.000	0.00	310	1.000	0.00
36	1.000	0.00	128	1.000	0.00	220	1.000	0.00	312	1.000	0.00
38	1.000	0.00	130	1.000	0.00	222	1.000	0.00	314	1.000	0.00
40	1.000	0.00	132	1.000	0.00	224	1.000	0.00	316	1.000	0.00
42	1.000	0.00	134	1.000	0.00	226	1.000	0.00	318	1.000	0.00
44	1.000	0.00	136	1.000	0.00	228	1.000	0.00	320	1.000	0.00
46	1.000	0.00	138	1.000	0.00	230	1.000	0.00	322	1.000	0.00
48	1.000	0.00	140	1.000	0.00	232	1.000	0.00	324	1.000	0.00
50	1.000	0.00	142	1.000	0.00	234	1.000	0.00	326	1.000	0.00
52	1.000	0.00	144	1.000	0.00	236	1.000	0.00	328	1.000	0.00
54	1.000	0.00	146	1.000	0.00	238	1.000	0.00	330	1.000	0.00
56	1.000	0.00	148	1.000	0.00	240	1.000	0.00	332	1.000	0.00
58	1.000	0.00	150	1.000	0.00	242	1.000	0.00	334	1.000	0.00
60	1.000	0.00	152	1.000	0.00	244	1.000	0.00	336	1.000	0.00
62	1.000	0.00	154	1.000	0.00	246	1.000	0.00	338	1.000	0.00
64	1.000	0.00	156	1.000	0.00	248	1.000	0.00	340	1.000	0.00
66	1.000	0.00	158	1.000	0.00	250	1.000	0.00	342	1.000	0.00
68	1.000	0.00	160	1.000	0.00	252	1.000	0.00	344	1.000	0.00
70	1.000	0.00	162	1.000	0.00	254	1.000	0.00	346	1.000	0.00
72	1.000	0.00	164	1.000	0.00	256	1.000	0.00	348	1.000	0.00
74	1.000	0.00	166	1.000	0.00	258	1.000	0.00	350	1.000	0.00
76	1.000	0.00	168	1.000	0.00	260	1.000	0.00	352	1.000	0.00
78	1.000	0.00	170	1.000	0.00	262	1.000	0.00	354	1.000	0.00
80	1.000	0.00	172	1.000	0.00	264	1.000	0.00	356	1.000	0.00
82	1.000	0.00	174	1.000	0.00	266	1.000	0.00	358	1.000	0.00
84	1.000	0.00	176	1.000	0.00	268	1.000	0.00	360	1.000	0.00
86	1.000	0.00	178	1.000	0.00	270	1.000	0.00			
88	1.000	0.00	180	1.000	0.00	272	1.000	0.00			
90	1.000	0.00	182	1.000	0.00	274	1.000	0.00			



AZIMUTH PATTERN

TYPE:	ALP-O-V	
	Numeric	dB
Directivity:	2.36	(3.73)
Peak(s) at:		
Polarization:	Vertical	
Channel:		
Location:		

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



TABULATED DATA FOR AZIMUTH PATTERN

TYPE: **ALP-O-V**

POLARIZATION: **Vertical**

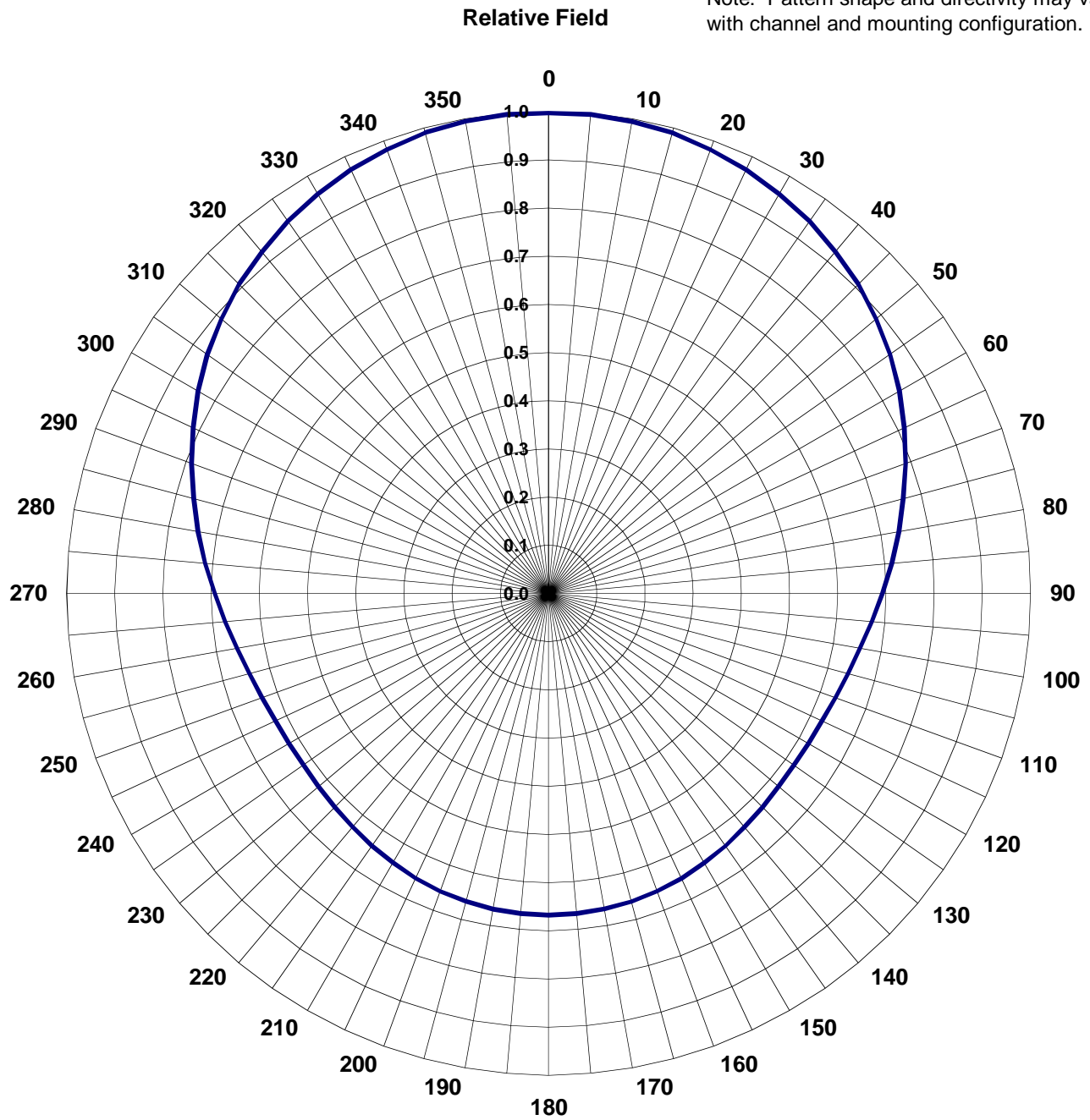
ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB
0	1.000	0.00	92	0.550	-2.56	184	0.229	-10.06	276	0.612	-1.95
2	1.000	-0.01	94	0.535	-2.72	186	0.229	-10.26	278	0.628	-1.81
4	0.999	-0.01	96	0.518	-2.89	188	0.229	-10.52	280	0.643	-1.66
6	0.999	-0.01	98	0.504	-3.07	190	0.229	-10.84	282	0.658	-1.52
8	0.996	-0.01	100	0.488	-3.26	192	0.229	-11.24	284	0.674	-1.39
10	0.993	-0.01	102	0.473	-3.47	194	0.229	-11.67	286	0.690	-1.26
12	0.991	-0.01	104	0.458	-3.69	196	0.229	-12.11	288	0.704	-1.13
14	0.988	-0.01	106	0.442	-3.93	198	0.229	-12.62	290	0.719	-1.01
16	0.983	-0.01	108	0.428	-4.19	200	0.230	-13.07	292	0.734	-0.90
18	0.979	-0.01	110	0.414	-4.48	202	0.230	-13.51	294	0.746	-0.79
20	0.975	-0.01	112	0.400	-4.81	204	0.232	-13.94	296	0.760	-0.69
22	0.968	-0.01	114	0.387	-5.16	206	0.233	-14.24	298	0.774	-0.59
24	0.963	-0.01	116	0.374	-5.55	208	0.235	-14.47	300	0.786	-0.50
26	0.957	-0.01	118	0.361	-5.97	210	0.237	-14.52	302	0.800	-0.43
28	0.951	-0.01	120	0.349	-6.45	212	0.240	-14.47	304	0.813	-0.35
30	0.945	-0.01	122	0.337	-6.96	214	0.243	-14.24	306	0.825	-0.29
32	0.935	-0.01	124	0.326	-7.49	216	0.248	-13.85	308	0.838	-0.23
34	0.926	-0.01	126	0.315	-8.09	218	0.252	-13.39	310	0.849	-0.18
36	0.919	-0.01	128	0.304	-8.73	220	0.257	-12.80	312	0.860	-0.14
38	0.911	-0.02	130	0.295	-9.37	222	0.264	-12.15	314	0.872	-0.10
40	0.901	-0.03	132	0.286	-10.06	224	0.271	-11.47	316	0.881	-0.08
42	0.891	-0.05	134	0.278	-10.78	226	0.278	-10.78	318	0.891	-0.05
44	0.881	-0.08	136	0.271	-11.47	228	0.286	-10.06	320	0.901	-0.03
46	0.872	-0.10	138	0.264	-12.15	230	0.295	-9.37	322	0.911	-0.02
48	0.860	-0.14	140	0.257	-12.80	232	0.304	-8.73	324	0.919	-0.01
50	0.849	-0.18	142	0.252	-13.39	234	0.315	-8.09	326	0.926	-0.01
52	0.838	-0.23	144	0.248	-13.85	236	0.326	-7.49	328	0.935	-0.01
54	0.825	-0.29	146	0.243	-14.24	238	0.337	-6.96	330	0.945	-0.01
56	0.813	-0.35	148	0.240	-14.47	240	0.349	-6.45	332	0.951	-0.01
58	0.800	-0.43	150	0.237	-14.52	242	0.361	-5.97	334	0.957	-0.01
60	0.786	-0.50	152	0.235	-14.47	244	0.374	-5.55	336	0.963	-0.01
62	0.774	-0.59	154	0.233	-14.24	246	0.387	-5.16	338	0.968	-0.01
64	0.760	-0.69	156	0.232	-13.94	248	0.400	-4.81	340	0.975	-0.01
66	0.746	-0.79	158	0.230	-13.51	250	0.414	-4.48	342	0.979	-0.01
68	0.734	-0.90	160	0.230	-13.07	252	0.428	-4.19	344	0.983	-0.01
70	0.719	-1.01	162	0.229	-12.62	254	0.442	-3.93	346	0.988	-0.01
72	0.704	-1.13	164	0.229	-12.11	256	0.458	-3.69	348	0.991	-0.01
74	0.690	-1.26	166	0.229	-11.67	258	0.473	-3.47	350	0.993	-0.01
76	0.674	-1.39	168	0.229	-11.24	260	0.488	-3.26	352	0.996	-0.01
78	0.658	-1.52	170	0.229	-10.84	262	0.504	-3.07	354	0.999	-0.01
80	0.643	-1.66	172	0.229	-10.52	264	0.518	-2.89	356	0.999	-0.01
82	0.628	-1.81	174	0.229	-10.26	266	0.535	-2.72	358	1.000	-0.01
84	0.612	-1.95	176	0.229	-10.06	268	0.550	-2.56	360	1.000	0.00
86	0.596	-2.10	178	0.229	-9.92	270	0.565	-2.41			
88	0.581	-2.25	180	0.229	-9.84	272	0.581	-2.25			
90	0.565	-2.41	182	0.229	-9.92	274	0.596	-2.10			



AZIMUTH PATTERN

TYPE:	ALP-OC-H	
	Numeric	dB
Directivity:	1.65	(2.17)
Peak(s) at:		
Polarization:	Horizontal	
Channel:		
Location:		

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



TABULATED DATA FOR AZIMUTH PATTERN

TYPE: ALP-OC-H

POLARIZATION: Horizontal

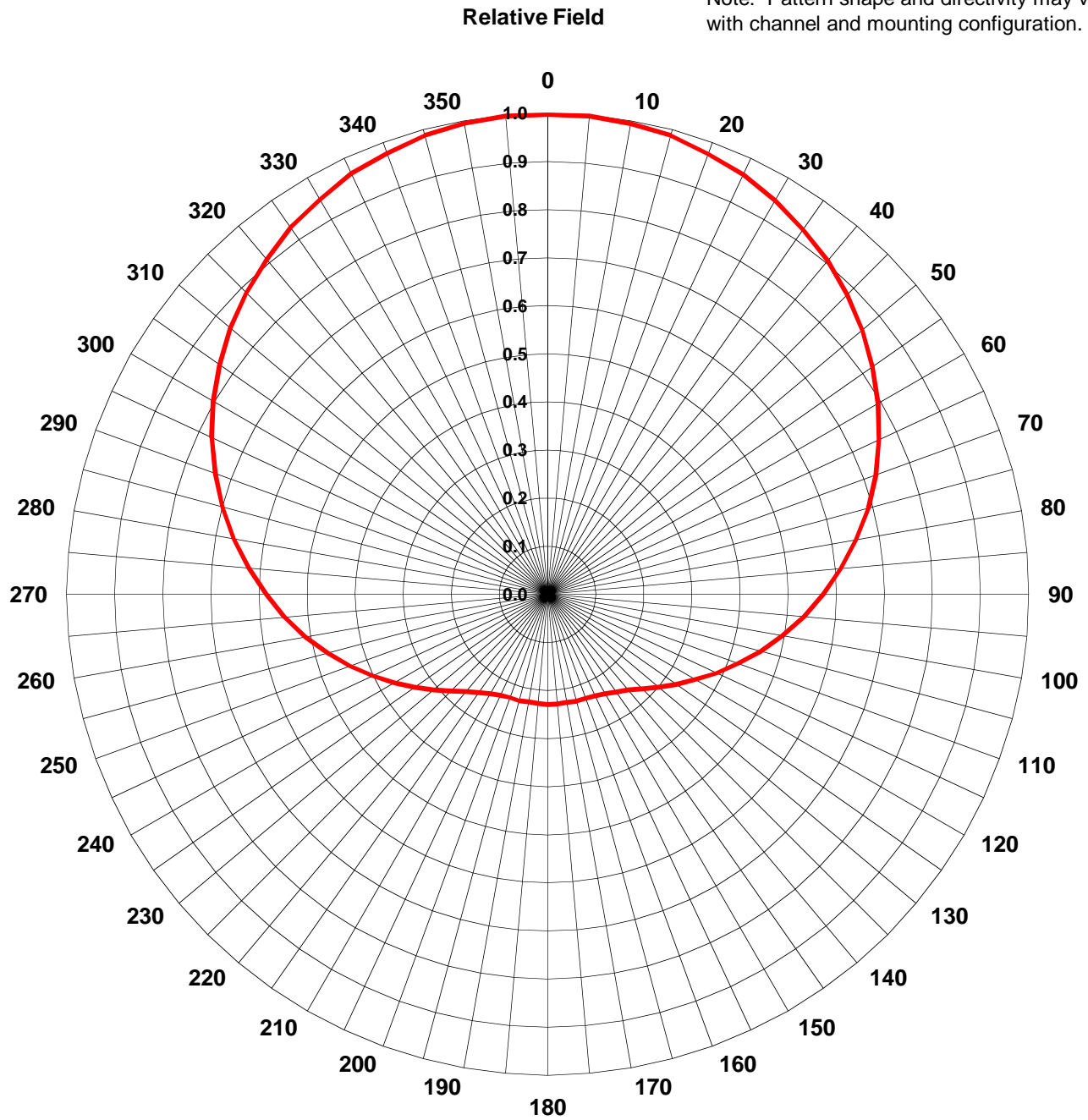
ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB
0	0.997	0.00	92	0.685	-3.61	184	0.668	-3.41	276	0.720	-3.16
2	0.999	0.00	94	0.677	-3.72	186	0.667	-3.43	278	0.729	-3.04
4	0.999	-0.01	96	0.670	-3.82	188	0.667	-3.44	280	0.738	-2.91
6	0.998	-0.02	98	0.663	-3.90	190	0.666	-3.45	282	0.748	-2.79
8	0.996	-0.03	100	0.656	-4.00	192	0.664	-3.48	284	0.759	-2.67
10	0.995	-0.05	102	0.651	-4.07	194	0.663	-3.50	286	0.771	-2.55
12	0.993	-0.07	104	0.646	-4.14	196	0.662	-3.54	288	0.780	-2.43
14	0.991	-0.10	106	0.641	-4.21	198	0.659	-3.58	290	0.789	-2.30
16	0.989	-0.12	108	0.637	-4.26	200	0.658	-3.62	292	0.799	-2.18
18	0.984	-0.16	110	0.633	-4.31	202	0.655	-3.66	294	0.809	-2.07
20	0.980	-0.19	112	0.630	-4.35	204	0.653	-3.70	296	0.820	-1.95
22	0.978	-0.23	114	0.627	-4.38	206	0.651	-3.76	298	0.830	-1.83
24	0.972	-0.27	116	0.625	-4.39	208	0.648	-3.80	300	0.840	-1.72
26	0.969	-0.33	118	0.623	-4.41	210	0.646	-3.85	302	0.851	-1.61
28	0.963	-0.38	120	0.622	-4.41	212	0.642	-3.90	304	0.858	-1.50
30	0.957	-0.44	122	0.621	-4.41	214	0.640	-3.96	306	0.868	-1.40
32	0.950	-0.49	124	0.622	-4.39	216	0.638	-4.01	308	0.878	-1.30
34	0.945	-0.56	126	0.622	-4.38	218	0.635	-4.05	310	0.887	-1.20
36	0.940	-0.62	128	0.622	-4.35	220	0.633	-4.11	312	0.897	-1.11
38	0.934	-0.70	130	0.623	-4.32	222	0.631	-4.17	314	0.903	-1.02
40	0.925	-0.77	132	0.625	-4.29	224	0.628	-4.21	316	0.912	-0.93
42	0.918	-0.85	134	0.626	-4.25	226	0.626	-4.25	318	0.918	-0.85
44	0.912	-0.93	136	0.628	-4.21	228	0.625	-4.29	320	0.925	-0.77
46	0.903	-1.02	138	0.631	-4.17	230	0.623	-4.32	322	0.934	-0.70
48	0.897	-1.11	140	0.633	-4.11	232	0.622	-4.35	324	0.940	-0.62
50	0.887	-1.20	142	0.635	-4.05	234	0.622	-4.38	326	0.945	-0.56
52	0.878	-1.30	144	0.638	-4.01	236	0.622	-4.39	328	0.950	-0.49
54	0.868	-1.40	146	0.640	-3.96	238	0.621	-4.41	330	0.957	-0.44
56	0.858	-1.50	148	0.642	-3.90	240	0.622	-4.41	332	0.963	-0.38
58	0.851	-1.61	150	0.646	-3.85	242	0.623	-4.41	334	0.969	-0.33
60	0.840	-1.72	152	0.648	-3.80	244	0.625	-4.39	336	0.972	-0.27
62	0.830	-1.83	154	0.651	-3.76	246	0.627	-4.38	338	0.978	-0.23
64	0.820	-1.95	156	0.653	-3.70	248	0.630	-4.35	340	0.980	-0.19
66	0.809	-2.07	158	0.655	-3.66	250	0.633	-4.31	342	0.984	-0.16
68	0.799	-2.18	160	0.658	-3.62	252	0.637	-4.26	344	0.989	-0.12
70	0.789	-2.30	162	0.659	-3.58	254	0.641	-4.21	346	0.991	-0.10
72	0.780	-2.43	164	0.662	-3.54	256	0.646	-4.14	348	0.993	-0.07
74	0.771	-2.55	166	0.663	-3.50	258	0.651	-4.07	350	0.995	-0.05
76	0.759	-2.67	168	0.664	-3.48	260	0.656	-4.00	352	0.996	-0.03
78	0.748	-2.79	170	0.666	-3.45	262	0.663	-3.90	354	0.998	-0.02
80	0.738	-2.91	172	0.667	-3.44	264	0.670	-3.82	356	0.999	-0.01
82	0.729	-3.04	174	0.667	-3.43	266	0.677	-3.72	358	0.999	0.00
84	0.720	-3.16	176	0.668	-3.41	268	0.685	-3.61	360	0.997	0.00
86	0.710	-3.27	178	0.668	-3.40	270	0.693	-3.50			
88	0.702	-3.39	180	0.668	-3.40	272	0.702	-3.39			
90	0.693	-3.50	182	0.668	-3.40	274	0.710	-3.27			



AZIMUTH PATTERN

TYPE:	ALP-OC-V	
	Numeric	dB
Directivity:	2.31	(3.64)
Peak(s) at:		
Polarization:	Vertical	
Channel:		
Location:		

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



TABULATED DATA FOR AZIMUTH PATTERN

TYPE: ALP-OC-V

POLARIZATION: Vertical

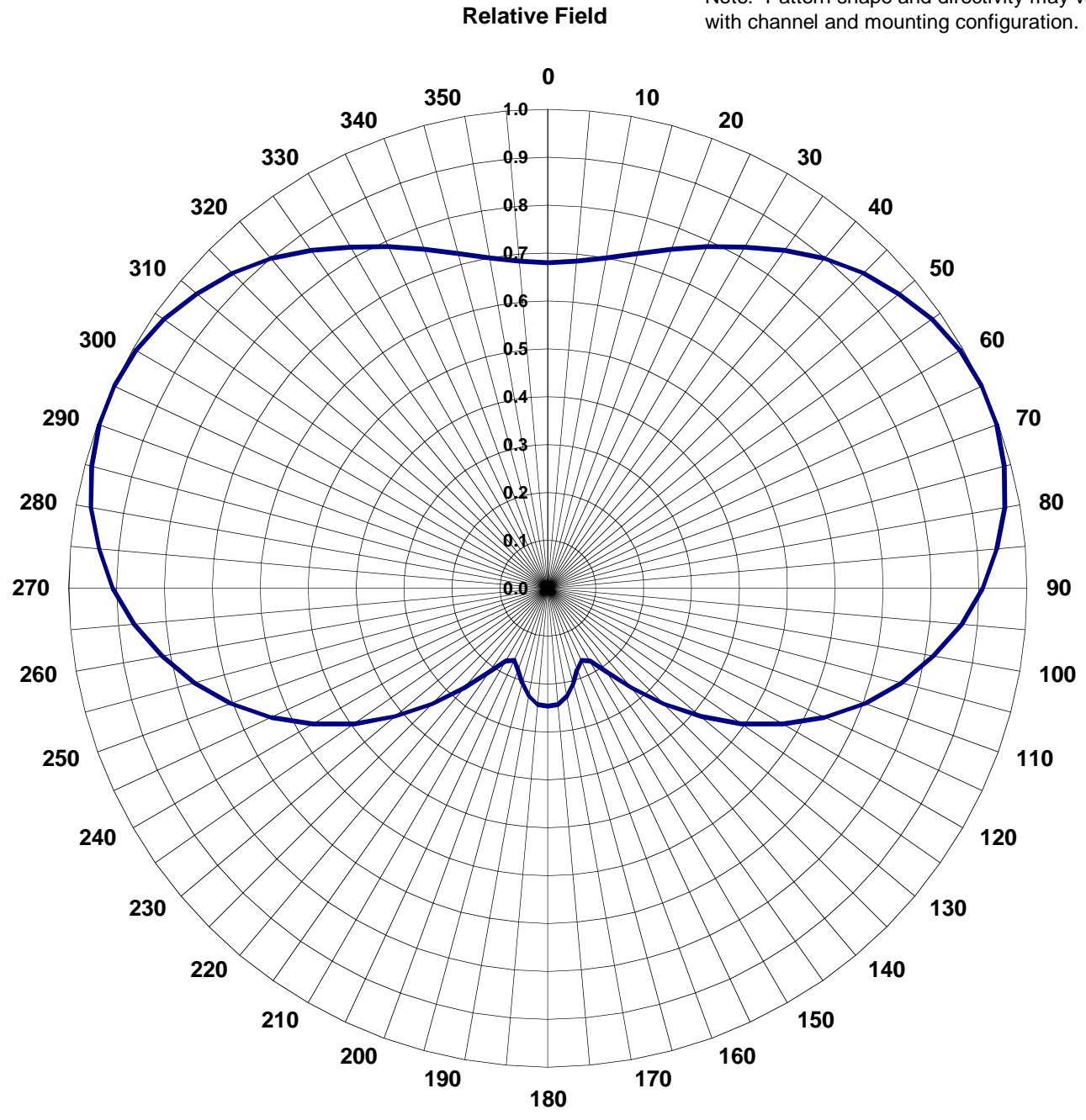
ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB
0	0.997	0.00	92	0.558	-2.56	184	0.228	-10.06	276	0.633	-1.95
2	0.999	-0.01	94	0.543	-2.72	186	0.227	-10.26	278	0.647	-1.81
4	0.999	-0.01	96	0.527	-2.89	188	0.226	-10.52	280	0.663	-1.66
6	0.998	-0.01	98	0.513	-3.07	190	0.227	-10.84	282	0.677	-1.52
8	0.996	-0.01	100	0.495	-3.26	192	0.227	-11.24	284	0.693	-1.39
10	0.994	-0.01	102	0.481	-3.47	194	0.228	-11.67	286	0.708	-1.26
12	0.993	-0.01	104	0.466	-3.69	196	0.227	-12.11	288	0.722	-1.13
14	0.988	-0.01	106	0.450	-3.93	198	0.227	-12.62	290	0.736	-1.01
16	0.984	-0.01	108	0.435	-4.19	200	0.228	-13.07	292	0.751	-0.90
18	0.982	-0.01	110	0.421	-4.48	202	0.229	-13.51	294	0.764	-0.79
20	0.975	-0.01	112	0.407	-4.81	204	0.230	-13.94	296	0.777	-0.69
22	0.971	-0.01	114	0.392	-5.16	206	0.233	-14.24	298	0.791	-0.59
24	0.966	-0.01	116	0.381	-5.55	208	0.236	-14.47	300	0.803	-0.50
26	0.960	-0.01	118	0.367	-5.97	210	0.238	-14.52	302	0.815	-0.43
28	0.953	-0.01	120	0.355	-6.45	212	0.243	-14.47	304	0.826	-0.35
30	0.946	-0.01	122	0.343	-6.96	214	0.247	-14.24	306	0.839	-0.29
32	0.938	-0.01	124	0.331	-7.49	216	0.252	-13.85	308	0.849	-0.23
34	0.931	-0.01	126	0.321	-8.09	218	0.258	-13.39	310	0.861	-0.18
36	0.923	-0.01	128	0.309	-8.73	220	0.264	-12.80	312	0.871	-0.14
38	0.915	-0.02	130	0.300	-9.37	222	0.272	-12.15	314	0.881	-0.10
40	0.906	-0.03	132	0.291	-10.06	224	0.280	-11.47	316	0.892	-0.08
42	0.896	-0.05	134	0.282	-10.78	226	0.288	-10.78	318	0.900	-0.05
44	0.886	-0.08	136	0.274	-11.47	228	0.298	-10.06	320	0.909	-0.03
46	0.876	-0.10	138	0.267	-12.15	230	0.309	-9.37	322	0.919	-0.02
48	0.865	-0.14	140	0.260	-12.80	232	0.320	-8.73	324	0.926	-0.01
50	0.854	-0.18	142	0.255	-13.39	234	0.332	-8.09	326	0.933	-0.01
52	0.843	-0.23	144	0.250	-13.85	236	0.343	-7.49	328	0.941	-0.01
54	0.831	-0.29	146	0.246	-14.24	238	0.355	-6.96	330	0.947	-0.01
56	0.820	-0.35	148	0.242	-14.47	240	0.367	-6.45	332	0.954	-0.01
58	0.806	-0.43	150	0.238	-14.52	242	0.381	-5.97	334	0.960	-0.01
60	0.794	-0.50	152	0.236	-14.47	244	0.395	-5.55	336	0.966	-0.01
62	0.782	-0.59	154	0.234	-14.24	246	0.408	-5.16	338	0.972	-0.01
64	0.767	-0.69	156	0.233	-13.94	248	0.422	-4.81	340	0.976	-0.01
66	0.753	-0.79	158	0.231	-13.51	250	0.436	-4.48	342	0.979	-0.01
68	0.741	-0.90	160	0.230	-13.07	252	0.450	-4.19	344	0.985	-0.01
70	0.726	-1.01	162	0.230	-12.62	254	0.464	-3.93	346	0.987	-0.01
72	0.712	-1.13	164	0.229	-12.11	256	0.481	-3.69	348	0.992	-0.01
74	0.696	-1.26	166	0.229	-11.67	258	0.496	-3.47	350	0.994	-0.01
76	0.681	-1.39	168	0.229	-11.24	260	0.512	-3.26	352	0.996	-0.01
78	0.667	-1.52	170	0.228	-10.84	262	0.527	-3.07	354	0.998	-0.01
80	0.651	-1.66	172	0.229	-10.52	264	0.542	-2.89	356	0.998	-0.01
82	0.636	-1.81	174	0.229	-10.26	266	0.557	-2.72	358	0.999	-0.01
84	0.620	-1.95	176	0.228	-10.06	268	0.571	-2.56	360	0.997	0.00
86	0.605	-2.10	178	0.229	-9.92	270	0.586	-2.41			
88	0.589	-2.25	180	0.229	-9.84	272	0.603	-2.25			
90	0.574	-2.41	182	0.228	-9.92	274	0.618	-2.10			



AZIMUTH PATTERN

TYPE:	ALP-P-H	
	Numeric	dB
Directivity:	1.94	(2.88)
Peak(s) at:		
Polarization:	Horizontal	
Channel:		
Location:		

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



TABULATED DATA FOR AZIMUTH PATTERN

TYPE: ALP-P-H

POLARIZATION: Horizontal

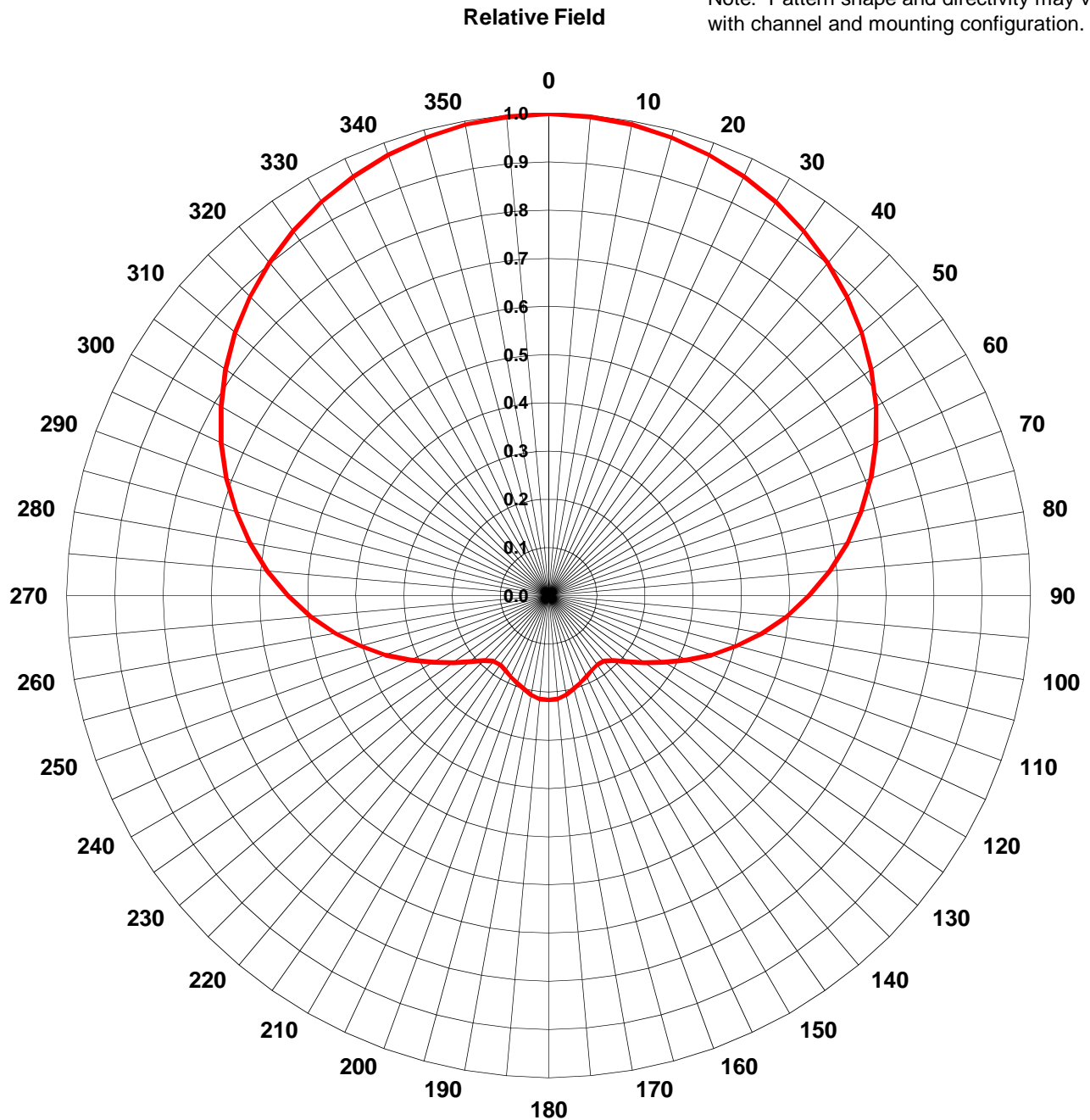
ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB
0	0.679	0.00	92	0.891	-3.61	184	0.245	-3.41	276	0.947	-3.16
2	0.680	0.00	94	0.874	-3.72	186	0.240	-3.43	278	0.957	-3.04
4	0.683	-0.01	96	0.856	-3.82	188	0.235	-3.44	280	0.968	-2.91
6	0.688	-0.02	98	0.837	-3.90	190	0.228	-3.45	282	0.976	-2.79
8	0.693	-0.03	100	0.817	-4.00	192	0.220	-3.48	284	0.983	-2.67
10	0.700	-0.05	102	0.796	-4.07	194	0.210	-3.50	286	0.990	-2.55
12	0.709	-0.07	104	0.774	-4.14	196	0.201	-3.54	288	0.994	-2.43
14	0.718	-0.10	106	0.753	-4.21	198	0.191	-3.58	290	0.997	-2.30
16	0.729	-0.12	108	0.729	-4.26	200	0.181	-3.62	292	0.999	-2.18
18	0.740	-0.16	110	0.705	-4.31	202	0.173	-3.66	294	0.998	-2.07
20	0.753	-0.19	112	0.677	-4.35	204	0.168	-3.70	296	1.000	-1.95
22	0.766	-0.23	114	0.651	-4.38	206	0.166	-3.76	298	0.996	-1.83
24	0.780	-0.27	116	0.623	-4.39	208	0.168	-3.80	300	0.993	-1.72
26	0.793	-0.33	118	0.596	-4.41	210	0.176	-3.85	302	0.990	-1.61
28	0.809	-0.38	120	0.567	-4.41	212	0.187	-3.90	304	0.984	-1.50
30	0.822	-0.44	122	0.536	-4.41	214	0.204	-3.96	306	0.975	-1.40
32	0.837	-0.49	124	0.508	-4.39	216	0.224	-4.01	308	0.966	-1.30
34	0.853	-0.56	126	0.477	-4.38	218	0.246	-4.05	310	0.957	-1.20
36	0.869	-0.62	128	0.447	-4.35	220	0.272	-4.11	312	0.948	-1.11
38	0.882	-0.70	130	0.417	-4.32	222	0.297	-4.17	314	0.935	-1.02
40	0.898	-0.77	132	0.387	-4.29	224	0.327	-4.21	316	0.924	-0.93
42	0.910	-0.85	134	0.356	-4.25	226	0.356	-4.25	318	0.910	-0.85
44	0.924	-0.93	136	0.327	-4.21	228	0.387	-4.29	320	0.898	-0.77
46	0.935	-1.02	138	0.297	-4.17	230	0.417	-4.32	322	0.882	-0.70
48	0.948	-1.11	140	0.272	-4.11	232	0.447	-4.35	324	0.869	-0.62
50	0.957	-1.20	142	0.246	-4.05	234	0.477	-4.38	326	0.853	-0.56
52	0.966	-1.30	144	0.224	-4.01	236	0.508	-4.39	328	0.837	-0.49
54	0.975	-1.40	146	0.204	-3.96	238	0.536	-4.41	330	0.822	-0.44
56	0.984	-1.50	148	0.187	-3.90	240	0.567	-4.41	332	0.809	-0.38
58	0.990	-1.61	150	0.176	-3.85	242	0.596	-4.41	334	0.793	-0.33
60	0.993	-1.72	152	0.168	-3.80	244	0.623	-4.39	336	0.780	-0.27
62	0.996	-1.83	154	0.166	-3.76	246	0.651	-4.38	338	0.766	-0.23
64	1.000	-1.95	156	0.168	-3.70	248	0.677	-4.35	340	0.753	-0.19
66	0.998	-2.07	158	0.173	-3.66	250	0.705	-4.31	342	0.740	-0.16
68	0.999	-2.18	160	0.181	-3.62	252	0.729	-4.26	344	0.729	-0.12
70	0.997	-2.30	162	0.191	-3.58	254	0.753	-4.21	346	0.718	-0.10
72	0.994	-2.43	164	0.201	-3.54	256	0.774	-4.14	348	0.709	-0.07
74	0.990	-2.55	166	0.210	-3.50	258	0.796	-4.07	350	0.700	-0.05
76	0.983	-2.67	168	0.220	-3.48	260	0.817	-4.00	352	0.693	-0.03
78	0.976	-2.79	170	0.228	-3.45	262	0.837	-3.90	354	0.688	-0.02
80	0.968	-2.91	172	0.235	-3.44	264	0.856	-3.82	356	0.683	-0.01
82	0.957	-3.04	174	0.240	-3.43	266	0.874	-3.72	358	0.680	0.00
84	0.947	-3.16	176	0.245	-3.41	268	0.891	-3.61	360	0.679	0.00
86	0.934	-3.27	178	0.247	-3.40	270	0.908	-3.50			
88	0.923	-3.39	180	0.247	-3.40	272	0.923	-3.39			
90	0.908	-3.50	182	0.247	-3.40	274	0.934	-3.27			



AZIMUTH PATTERN

TYPE:	ALP-P-V	
	Numeric	dB
Directivity:	2.46	(3.91)
Peak(s) at:		
Polarization:	Vertical	
Channel:		
Location:		

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



TABULATED DATA FOR AZIMUTH PATTERN

TYPE: ALP-P-V

POLARIZATION: Vertical

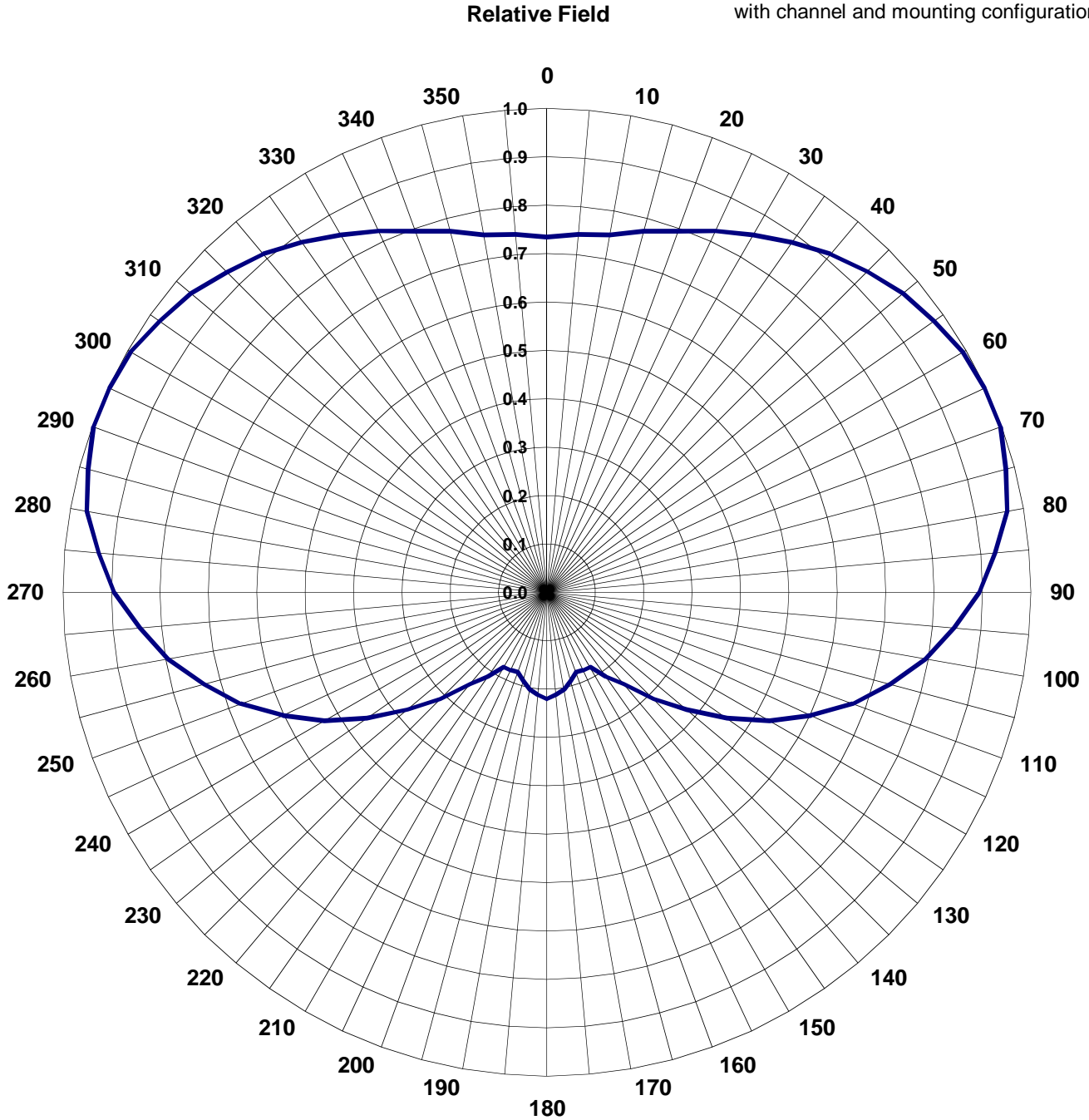
ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB
0	0.999	0.00	92	0.523	-2.56	184	0.215	-10.06	276	0.596	-1.95
2	0.999	-0.01	94	0.504	-2.72	186	0.214	-10.26	278	0.613	-1.81
4	0.998	-0.01	96	0.486	-2.89	188	0.210	-10.52	280	0.630	-1.66
6	0.997	-0.01	98	0.468	-3.07	190	0.209	-10.84	282	0.647	-1.52
8	0.995	-0.01	100	0.449	-3.26	192	0.208	-11.24	284	0.662	-1.39
10	0.993	-0.01	102	0.432	-3.47	194	0.203	-11.67	286	0.680	-1.26
12	0.990	-0.01	104	0.413	-3.69	196	0.199	-12.11	288	0.696	-1.13
14	0.986	-0.01	106	0.394	-3.93	198	0.196	-12.62	290	0.712	-1.01
16	0.982	-0.01	108	0.377	-4.19	200	0.192	-13.07	292	0.727	-0.90
18	0.978	-0.01	110	0.360	-4.48	202	0.189	-13.51	294	0.742	-0.79
20	0.973	-0.01	112	0.342	-4.81	204	0.186	-13.94	296	0.757	-0.69
22	0.968	-0.01	114	0.325	-5.16	206	0.183	-14.24	298	0.771	-0.59
24	0.962	-0.01	116	0.309	-5.55	208	0.181	-14.47	300	0.785	-0.50
26	0.956	-0.01	118	0.292	-5.97	210	0.179	-14.52	302	0.798	-0.43
28	0.950	-0.01	120	0.277	-6.45	212	0.177	-14.47	304	0.812	-0.35
30	0.943	-0.01	122	0.262	-6.96	214	0.175	-14.24	306	0.824	-0.29
32	0.935	-0.01	124	0.248	-7.49	216	0.175	-13.85	308	0.837	-0.23
34	0.927	-0.01	126	0.235	-8.09	218	0.176	-13.39	310	0.849	-0.18
36	0.920	-0.01	128	0.223	-8.73	220	0.177	-12.80	312	0.860	-0.14
38	0.910	-0.02	130	0.212	-9.37	222	0.181	-12.15	314	0.871	-0.10
40	0.901	-0.03	132	0.203	-10.06	224	0.186	-11.47	316	0.882	-0.08
42	0.892	-0.05	134	0.194	-10.78	226	0.194	-10.78	318	0.892	-0.05
44	0.882	-0.08	136	0.186	-11.47	228	0.203	-10.06	320	0.901	-0.03
46	0.871	-0.10	138	0.181	-12.15	230	0.212	-9.37	322	0.910	-0.02
48	0.860	-0.14	140	0.177	-12.80	232	0.223	-8.73	324	0.920	-0.01
50	0.849	-0.18	142	0.176	-13.39	234	0.235	-8.09	326	0.927	-0.01
52	0.837	-0.23	144	0.175	-13.85	236	0.248	-7.49	328	0.935	-0.01
54	0.824	-0.29	146	0.175	-14.24	238	0.262	-6.96	330	0.943	-0.01
56	0.812	-0.35	148	0.177	-14.47	240	0.277	-6.45	332	0.950	-0.01
58	0.798	-0.43	150	0.179	-14.52	242	0.292	-5.97	334	0.956	-0.01
60	0.785	-0.50	152	0.181	-14.47	244	0.309	-5.55	336	0.962	-0.01
62	0.771	-0.59	154	0.183	-14.24	246	0.325	-5.16	338	0.968	-0.01
64	0.757	-0.69	156	0.186	-13.94	248	0.342	-4.81	340	0.973	-0.01
66	0.742	-0.79	158	0.189	-13.51	250	0.360	-4.48	342	0.978	-0.01
68	0.727	-0.90	160	0.192	-13.07	252	0.377	-4.19	344	0.982	-0.01
70	0.712	-1.01	162	0.196	-12.62	254	0.394	-3.93	346	0.986	-0.01
72	0.696	-1.13	164	0.199	-12.11	256	0.413	-3.69	348	0.990	-0.01
74	0.680	-1.26	166	0.203	-11.67	258	0.432	-3.47	350	0.993	-0.01
76	0.662	-1.39	168	0.208	-11.24	260	0.449	-3.26	352	0.995	-0.01
78	0.647	-1.52	170	0.209	-10.84	262	0.468	-3.07	354	0.997	-0.01
80	0.630	-1.66	172	0.210	-10.52	264	0.486	-2.89	356	0.998	-0.01
82	0.613	-1.81	174	0.214	-10.26	266	0.504	-2.72	358	0.999	-0.01
84	0.596	-1.95	176	0.215	-10.06	268	0.523	-2.56	360	0.999	0.00
86	0.578	-2.10	178	0.215	-9.92	270	0.541	-2.41			
88	0.560	-2.25	180	0.216	-9.84	272	0.560	-2.25			
90	0.541	-2.41	182	0.215	-9.92	274	0.578	-2.10			



AZIMUTH PATTERN

TYPE:	ALP-PR	
	Numeric	dB
Directivity:	1.92	(2.83)
Peak(s) at:		
Polarization:	Horizontal	
Channel:		
Location:		

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



TABULATED DATA FOR AZIMUTH PATTERN

TYPE: ALP-PR

POLARIZATION: Horizontal

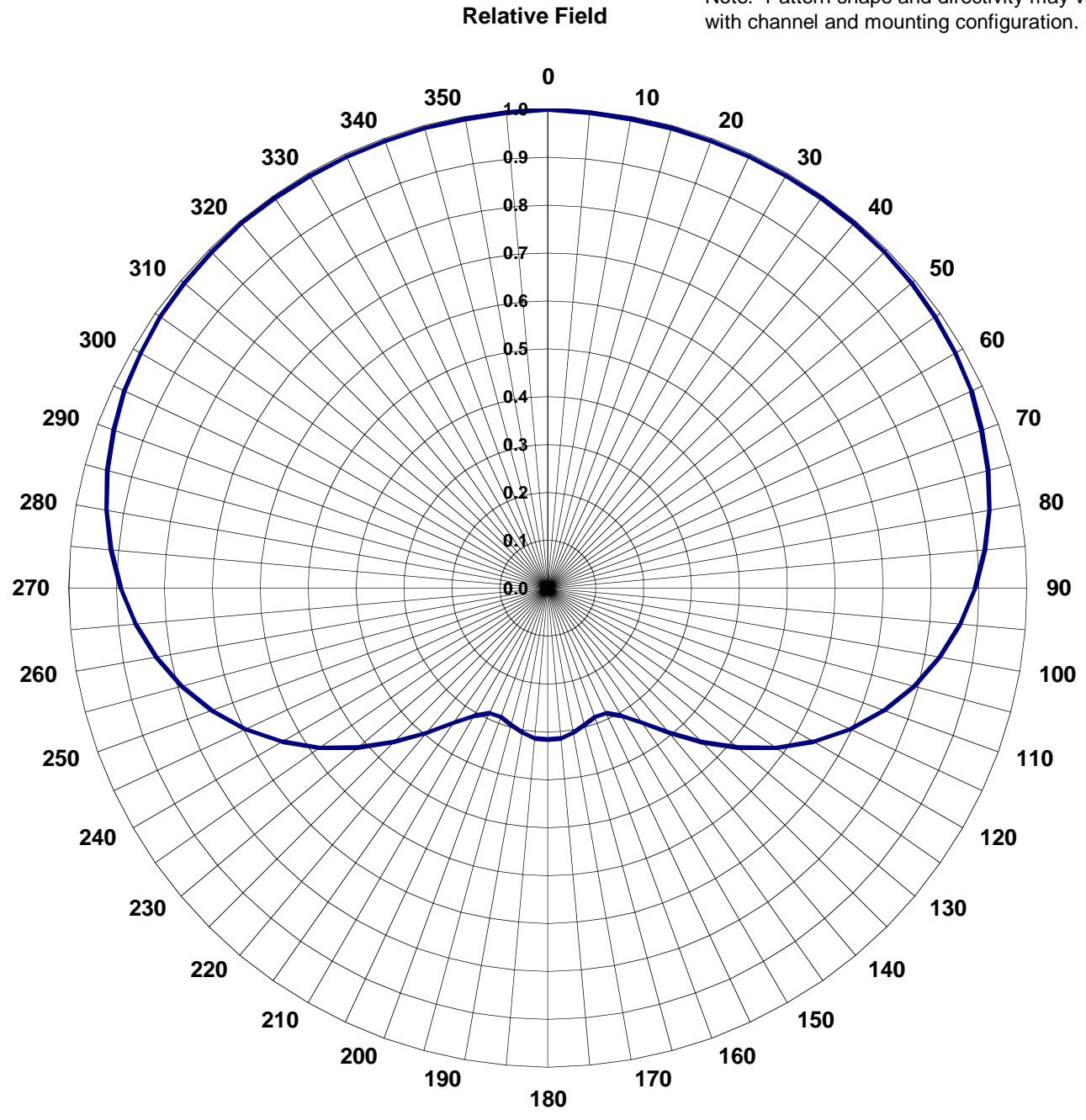
ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB
0	0.734	-2.69	92	0.874	-1.17	184	0.214	-13.39	276	0.937	-0.57
2	0.737	-2.65	94	0.854	-1.37	186	0.211	-13.51	278	0.952	-0.43
4	0.740	-2.62	96	0.835	-1.57	188	0.207	-13.68	280	0.966	-0.30
6	0.744	-2.57	98	0.815	-1.78	190	0.204	-13.81	282	0.972	-0.25
8	0.747	-2.53	100	0.795	-1.99	192	0.198	-14.07	284	0.979	-0.18
10	0.750	-2.50	102	0.771	-2.26	194	0.193	-14.29	286	0.985	-0.13
12	0.759	-2.40	104	0.747	-2.53	196	0.187	-14.56	288	0.992	-0.07
14	0.768	-2.29	106	0.722	-2.83	198	0.182	-14.80	290	0.998	-0.02
16	0.776	-2.20	108	0.698	-3.12	200	0.176	-15.09	292	1.000	0.00
18	0.785	-2.10	110	0.674	-3.43	202	0.177	-15.04	294	1.000	0.00
20	0.794	-2.00	112	0.645	-3.81	204	0.177	-15.04	296	0.995	-0.04
22	0.806	-1.87	114	0.617	-4.19	206	0.178	-14.99	298	0.994	-0.05
24	0.818	-1.74	116	0.588	-4.61	208	0.178	-14.99	300	0.993	-0.06
26	0.829	-1.63	118	0.560	-5.04	210	0.179	-14.94	302	0.987	-0.11
28	0.841	-1.50	120	0.531	-5.50	212	0.193	-14.29	304	0.980	-0.18
30	0.853	-1.38	122	0.500	-6.02	214	0.206	-13.72	306	0.974	-0.23
32	0.865	-1.26	124	0.469	-6.58	216	0.220	-13.15	308	0.967	-0.29
34	0.877	-1.14	126	0.439	-7.15	218	0.233	-12.65	310	0.961	-0.35
36	0.888	-1.03	128	0.408	-7.79	220	0.247	-12.15	312	0.951	-0.44
38	0.900	-0.92	130	0.377	-8.47	222	0.273	-11.28	314	0.941	-0.53
40	0.912	-0.80	132	0.351	-9.09	224	0.299	-10.49	316	0.932	-0.61
42	0.922	-0.71	134	0.325	-9.76	226	0.325	-9.76	318	0.922	-0.71
44	0.932	-0.61	136	0.299	-10.49	228	0.351	-9.09	320	0.912	-0.80
46	0.941	-0.53	138	0.273	-11.28	230	0.377	-8.47	322	0.900	-0.92
48	0.951	-0.44	140	0.247	-12.15	232	0.408	-7.79	324	0.888	-1.03
50	0.961	-0.35	142	0.233	-12.65	234	0.439	-7.15	326	0.877	-1.14
52	0.967	-0.29	144	0.220	-13.15	236	0.469	-6.58	328	0.865	-1.26
54	0.974	-0.23	146	0.206	-13.72	238	0.500	-6.02	330	0.853	-1.38
56	0.980	-0.18	148	0.193	-14.29	240	0.531	-5.50	332	0.841	-1.50
58	0.987	-0.11	150	0.179	-14.94	242	0.560	-5.04	334	0.829	-1.63
60	0.993	-0.06	152	0.178	-14.99	244	0.588	-4.61	336	0.818	-1.74
62	0.994	-0.05	154	0.178	-14.99	246	0.617	-4.19	338	0.806	-1.87
64	0.995	-0.04	156	0.177	-15.04	248	0.645	-3.81	340	0.794	-2.00
66	1.000	0.00	158	0.177	-15.04	250	0.674	-3.43	342	0.785	-2.10
68	1.000	0.00	160	0.176	-15.09	252	0.698	-3.12	344	0.776	-2.20
70	0.998	-0.02	162	0.182	-14.80	254	0.722	-2.83	346	0.768	-2.29
72	0.992	-0.07	164	0.187	-14.56	256	0.747	-2.53	348	0.759	-2.40
74	0.985	-0.13	166	0.193	-14.29	258	0.771	-2.26	350	0.750	-2.50
76	0.979	-0.18	168	0.198	-14.07	260	0.795	-1.99	352	0.747	-2.53
78	0.972	-0.25	170	0.204	-13.81	262	0.815	-1.78	354	0.744	-2.57
80	0.966	-0.30	172	0.207	-13.68	264	0.835	-1.57	356	0.740	-2.62
82	0.952	-0.43	174	0.211	-13.51	266	0.854	-1.37	358	0.737	-2.65
84	0.937	-0.57	176	0.214	-13.39	268	0.874	-1.17	360	0.734	-2.69
86	0.923	-0.70	178	0.218	-13.23	270	0.894	-0.97			
88	0.908	-0.84	180	0.221	-13.11	272	0.908	-0.84			
90	0.894	-0.97	182	0.218	-13.23	274	0.923	-0.70			



AZIMUTH PATTERN

TYPE:	ALP-W-H	
	Numeric	dB
Directivity:	1.58	(1.99)
Peak(s) at:		
Polarization:	Horizontal	
Channel:		
Location:		

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



TABULATED DATA FOR AZIMUTH PATTERN

TYPE: ALP-W-H

POLARIZATION: Horizontal

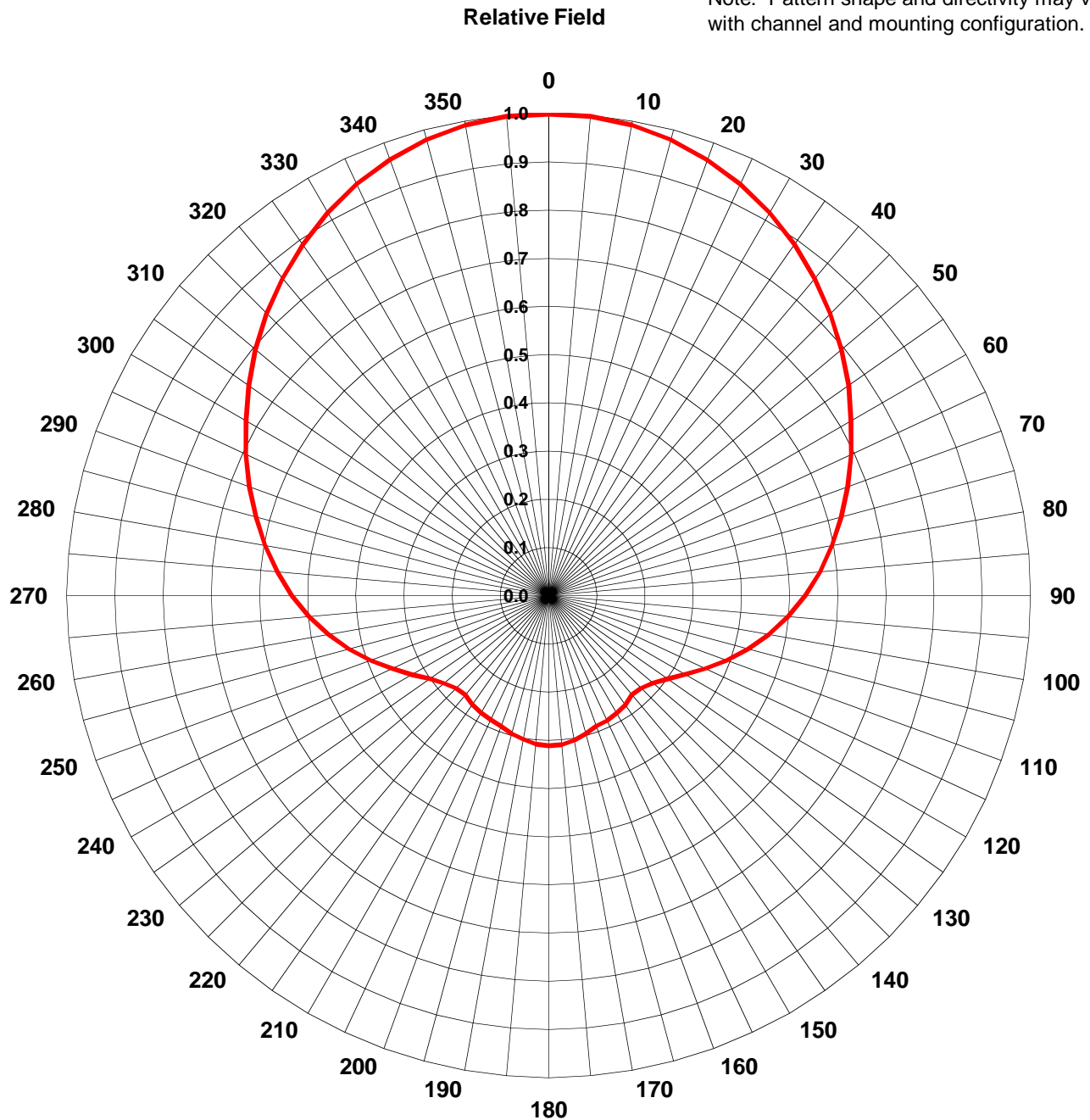
ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB
0	1.000	0.00	92	0.880	-0.85	184	0.316	-12.18	276	0.921	-0.41
2	0.998	-0.03	94	0.869	-1.00	186	0.314	-12.11	278	0.928	-0.32
4	0.997	-0.05	96	0.857	-1.15	188	0.311	-12.01	280	0.936	-0.22
6	0.997	-0.08	98	0.844	-1.31	190	0.306	-11.94	282	0.942	-0.18
8	0.996	-0.10	100	0.830	-1.46	192	0.302	-11.60	284	0.949	-0.14
10	0.995	-0.13	102	0.816	-1.64	194	0.296	-11.28	286	0.955	-0.10
12	0.996	-0.19	104	0.800	-1.83	196	0.292	-11.00	288	0.960	-0.06
14	0.995	-0.26	106	0.784	-2.01	198	0.288	-10.69	290	0.964	-0.03
16	0.995	-0.31	108	0.766	-2.21	200	0.286	-10.40	292	0.969	-0.03
18	0.994	-0.37	110	0.747	-2.41	202	0.285	-9.87	294	0.973	-0.05
20	0.994	-0.44	112	0.728	-2.59	204	0.286	-9.37	296	0.976	-0.06
22	0.994	-0.48	114	0.708	-2.77	206	0.291	-8.90	298	0.979	-0.08
24	0.994	-0.53	116	0.685	-2.96	208	0.297	-8.45	300	0.982	-0.09
26	0.994	-0.58	118	0.663	-3.15	210	0.308	-8.02	302	0.985	-0.14
28	0.994	-0.63	120	0.640	-3.35	212	0.321	-7.54	304	0.986	-0.19
30	0.994	-0.68	122	0.618	-3.54	214	0.337	-7.09	306	0.988	-0.26
32	0.994	-0.67	124	0.594	-3.74	216	0.354	-6.65	308	0.990	-0.31
34	0.994	-0.66	126	0.569	-3.94	218	0.373	-6.25	310	0.991	-0.36
36	0.995	-0.66	128	0.544	-4.15	220	0.395	-5.85	312	0.992	-0.42
38	0.994	-0.65	130	0.519	-4.36	222	0.419	-5.53	314	0.993	-0.47
40	0.995	-0.64	132	0.493	-4.64	224	0.443	-5.22	316	0.993	-0.53
42	0.994	-0.58	134	0.468	-4.93	226	0.468	-4.93	318	0.994	-0.58
44	0.993	-0.53	136	0.443	-5.22	228	0.493	-4.64	320	0.995	-0.64
46	0.993	-0.47	138	0.419	-5.53	230	0.519	-4.36	322	0.994	-0.65
48	0.992	-0.42	140	0.395	-5.85	232	0.544	-4.15	324	0.995	-0.66
50	0.991	-0.36	142	0.373	-6.25	234	0.569	-3.94	326	0.994	-0.66
52	0.990	-0.31	144	0.354	-6.65	236	0.594	-3.74	328	0.994	-0.67
54	0.988	-0.26	146	0.337	-7.09	238	0.618	-3.54	330	0.994	-0.68
56	0.986	-0.19	148	0.321	-7.54	240	0.640	-3.35	332	0.994	-0.63
58	0.985	-0.14	150	0.308	-8.02	242	0.663	-3.15	334	0.994	-0.58
60	0.982	-0.09	152	0.297	-8.45	244	0.685	-2.96	336	0.994	-0.53
62	0.979	-0.08	154	0.291	-8.90	246	0.708	-2.77	338	0.994	-0.48
64	0.976	-0.06	156	0.286	-9.37	248	0.728	-2.59	340	0.994	-0.44
66	0.973	-0.05	158	0.285	-9.87	250	0.747	-2.41	342	0.994	-0.37
68	0.969	-0.03	160	0.286	-10.40	252	0.766	-2.21	344	0.995	-0.31
70	0.964	-0.03	162	0.288	-10.69	254	0.784	-2.01	346	0.995	-0.26
72	0.960	-0.06	164	0.292	-11.00	256	0.800	-1.83	348	0.996	-0.19
74	0.955	-0.10	166	0.296	-11.28	258	0.816	-1.64	350	0.995	-0.13
76	0.949	-0.14	168	0.302	-11.60	260	0.830	-1.46	352	0.996	-0.10
78	0.942	-0.18	170	0.306	-11.94	262	0.844	-1.31	354	0.997	-0.08
80	0.936	-0.22	172	0.311	-12.01	264	0.857	-1.15	356	0.997	-0.05
82	0.928	-0.32	174	0.314	-12.11	266	0.869	-1.00	358	0.998	-0.03
84	0.921	-0.41	176	0.316	-12.18	268	0.880	-0.85	360	1.000	0.00
86	0.911	-0.51	178	0.316	-12.29	270	0.891	-0.71			
88	0.902	-0.60	180	0.316	-12.36	272	0.902	-0.60			
90	0.891	-0.71	182	0.316	-12.29	274	0.911	-0.51			



AZIMUTH PATTERN

TYPE:	ALP-W-V	
	Numeric	dB
Directivity:	2.51	(4.00)
Peak(s) at:		
Polarization:	Vertical	
Channel:		
Location:		

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



TABULATED DATA FOR AZIMUTH PATTERN

TYPE: ALP-W-V

POLARIZATION: Vertical

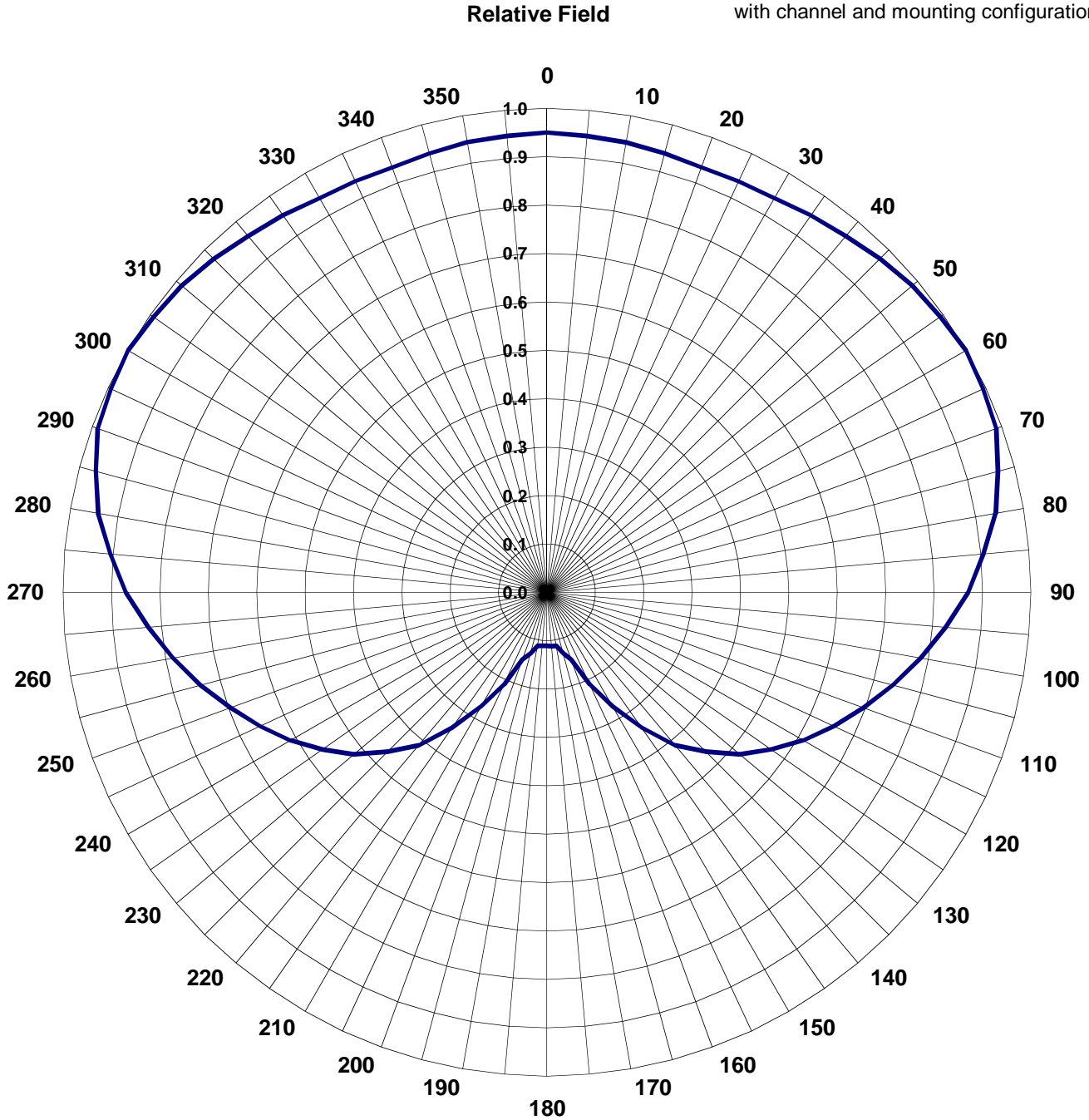
ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB
0	0.999	0.00	92	0.519	-2.56	184	0.310	-10.06	276	0.572	-1.95
2	1.000	-0.01	94	0.505	-2.72	186	0.308	-10.26	278	0.584	-1.81
4	0.999	-0.01	96	0.492	-2.89	188	0.306	-10.52	280	0.597	-1.66
6	0.996	-0.01	98	0.478	-3.07	190	0.303	-10.84	282	0.610	-1.52
8	0.995	-0.01	100	0.464	-3.26	192	0.300	-11.24	284	0.622	-1.39
10	0.991	-0.01	102	0.450	-3.47	194	0.298	-11.67	286	0.635	-1.26
12	0.987	-0.01	104	0.436	-3.69	196	0.294	-12.11	288	0.647	-1.13
14	0.982	-0.01	106	0.421	-3.93	198	0.290	-12.62	290	0.661	-1.01
16	0.976	-0.01	108	0.407	-4.19	200	0.288	-13.07	292	0.672	-0.90
18	0.970	-0.01	110	0.393	-4.48	202	0.287	-13.51	294	0.687	-0.79
20	0.962	-0.01	112	0.379	-4.81	204	0.286	-13.94	296	0.699	-0.69
22	0.955	-0.01	114	0.365	-5.16	206	0.284	-14.24	298	0.712	-0.59
24	0.946	-0.01	116	0.352	-5.55	208	0.282	-14.47	300	0.725	-0.50
26	0.937	-0.01	118	0.339	-5.97	210	0.280	-14.52	302	0.740	-0.43
28	0.928	-0.01	120	0.327	-6.45	212	0.278	-14.47	304	0.753	-0.35
30	0.917	-0.01	122	0.316	-6.96	214	0.277	-14.24	306	0.766	-0.29
32	0.907	-0.01	124	0.306	-7.49	216	0.275	-13.85	308	0.780	-0.23
34	0.895	-0.01	126	0.297	-8.09	218	0.274	-13.39	310	0.794	-0.18
36	0.883	-0.01	128	0.289	-8.73	220	0.269	-12.80	312	0.808	-0.14
38	0.871	-0.02	130	0.283	-9.37	222	0.269	-12.15	314	0.819	-0.10
40	0.859	-0.03	132	0.276	-10.06	224	0.270	-11.47	316	0.833	-0.08
42	0.846	-0.05	134	0.272	-10.78	226	0.272	-10.78	318	0.846	-0.05
44	0.833	-0.08	136	0.270	-11.47	228	0.276	-10.06	320	0.859	-0.03
46	0.819	-0.10	138	0.269	-12.15	230	0.283	-9.37	322	0.871	-0.02
48	0.808	-0.14	140	0.269	-12.80	232	0.289	-8.73	324	0.883	-0.01
50	0.794	-0.18	142	0.270	-13.39	234	0.297	-8.09	326	0.895	-0.01
52	0.780	-0.23	144	0.276	-13.85	236	0.306	-7.49	328	0.907	-0.01
54	0.766	-0.29	146	0.278	-14.24	238	0.316	-6.96	330	0.917	-0.01
56	0.753	-0.35	148	0.280	-14.47	240	0.327	-6.45	332	0.928	-0.01
58	0.740	-0.43	150	0.281	-14.52	242	0.339	-5.97	334	0.937	-0.01
60	0.725	-0.50	152	0.283	-14.47	244	0.352	-5.55	336	0.946	-0.01
62	0.712	-0.59	154	0.285	-14.24	246	0.365	-5.16	338	0.955	-0.01
64	0.699	-0.69	156	0.287	-13.94	248	0.379	-4.81	340	0.962	-0.01
66	0.687	-0.79	158	0.287	-13.51	250	0.393	-4.48	342	0.970	-0.01
68	0.672	-0.90	160	0.288	-13.07	252	0.407	-4.19	344	0.976	-0.01
70	0.661	-1.01	162	0.290	-12.62	254	0.421	-3.93	346	0.982	-0.01
72	0.647	-1.13	164	0.294	-12.11	256	0.436	-3.69	348	0.987	-0.01
74	0.635	-1.26	166	0.298	-11.67	258	0.450	-3.47	350	0.991	-0.01
76	0.622	-1.39	168	0.302	-11.24	260	0.464	-3.26	352	0.995	-0.01
78	0.610	-1.52	170	0.305	-10.84	262	0.478	-3.07	354	0.996	-0.01
80	0.597	-1.66	172	0.307	-10.52	264	0.492	-2.89	356	0.999	-0.01
82	0.584	-1.81	174	0.309	-10.26	266	0.505	-2.72	358	1.000	-0.01
84	0.572	-1.95	176	0.311	-10.06	268	0.519	-2.56	360	0.999	0.00
86	0.559	-2.10	178	0.311	-9.92	270	0.533	-2.41			
88	0.545	-2.25	180	0.311	-9.84	272	0.545	-2.25			
90	0.533	-2.41	182	0.311	-9.92	274	0.559	-2.10			



AZIMUTH PATTERN

TYPE:	ALP-WR	
	Numeric	dB
Directivity:	1.69	(2.28)
Peak(s) at:		
Polarization:	Horizontal	
Channel:		
Location:		

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



TABULATED DATA FOR AZIMUTH PATTERN

TYPE: ALP-WR

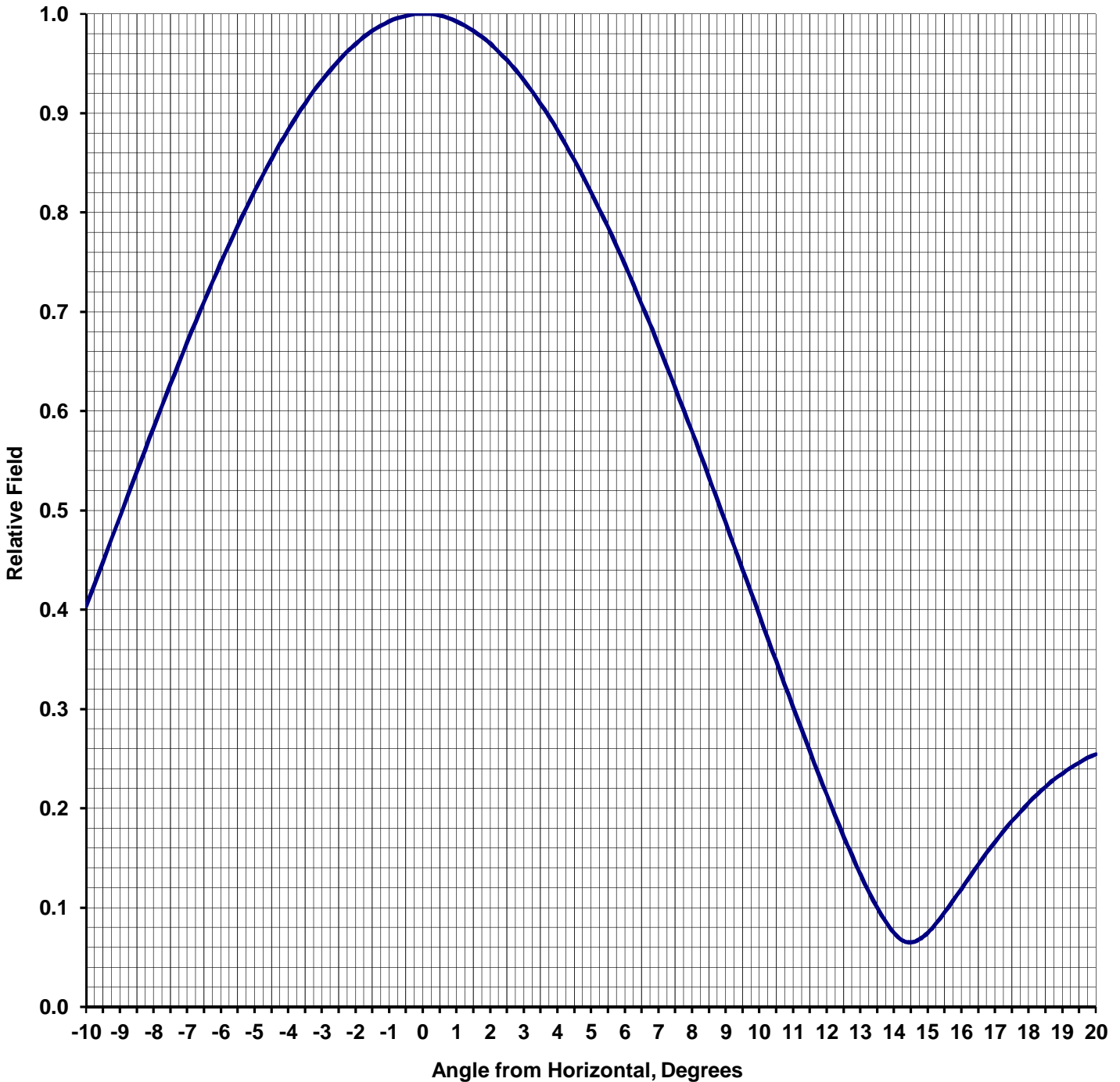
POLARIZATION: Horizontal

ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB
0	0.950	-19.09	92	0.853	-0.79	184	0.111	-0.49	276	0.913	-2.10
2	0.949	-19.02	94	0.836	-0.65	186	0.112	-0.50	278	0.928	-2.30
4	0.948	-19.02	96	0.819	-0.52	188	0.112	-0.52	280	0.942	-2.50
6	0.946	-19.02	98	0.802	-0.44	190	0.112	-0.54	282	0.951	-2.71
8	0.945	-18.49	100	0.785	-0.35	192	0.119	-0.56	284	0.960	-2.91
10	0.944	-17.99	102	0.767	-0.26	194	0.126	-0.57	286	0.970	-3.14
12	0.942	-17.46	104	0.750	-0.18	196	0.134	-0.59	288	0.979	-3.35
14	0.940	-17.02	106	0.732	-0.10	198	0.141	-0.58	290	0.988	-3.57
16	0.938	-16.59	108	0.715	-0.09	200	0.148	-0.57	292	0.990	-3.80
18	0.936	-15.24	110	0.697	-0.06	202	0.173	-0.56	294	0.993	-4.03
20	0.934	-14.07	112	0.680	-0.04	204	0.198	-0.55	296	0.995	-4.26
22	0.935	-13.07	114	0.663	-0.02	206	0.222	-0.54	298	0.998	-4.52
24	0.936	-12.15	116	0.646	0.00	208	0.247	-0.50	300	1.000	-4.79
26	0.938	-11.31	118	0.629	-0.03	210	0.272	-0.46	302	0.997	-5.08
28	0.939	-10.46	120	0.612	-0.05	212	0.300	-0.42	304	0.994	-5.37
30	0.940	-9.68	122	0.594	-0.07	214	0.328	-0.38	306	0.992	-5.66
32	0.944	-8.97	124	0.576	-0.10	216	0.356	-0.35	308	0.989	-6.04
34	0.948	-8.31	126	0.557	-0.12	218	0.384	-0.30	310	0.986	-6.43
36	0.953	-7.70	128	0.539	-0.17	220	0.412	-0.26	312	0.981	-6.82
38	0.957	-7.25	130	0.521	-0.21	222	0.434	-0.21	314	0.976	-7.25
40	0.961	-6.82	132	0.499	-0.26	224	0.456	-0.17	316	0.971	-7.70
42	0.966	-6.43	134	0.477	-0.30	226	0.477	-0.12	318	0.966	-8.31
44	0.971	-6.04	136	0.456	-0.35	228	0.499	-0.10	320	0.961	-8.97
46	0.976	-5.66	138	0.434	-0.38	230	0.521	-0.07	322	0.957	-9.68
48	0.981	-5.37	140	0.412	-0.42	232	0.539	-0.05	324	0.953	-10.46
50	0.986	-5.08	142	0.384	-0.46	234	0.557	-0.03	326	0.948	-11.31
52	0.989	-4.79	144	0.356	-0.50	236	0.576	0.00	328	0.944	-12.15
54	0.992	-4.52	146	0.328	-0.54	238	0.594	-0.02	330	0.940	-13.07
56	0.994	-4.26	148	0.300	-0.55	240	0.612	-0.04	332	0.939	-14.07
58	0.997	-4.03	150	0.272	-0.56	242	0.629	-0.06	334	0.938	-15.24
60	1.000	-3.80	152	0.247	-0.57	244	0.646	-0.09	336	0.936	-16.59
62	0.998	-3.57	154	0.222	-0.58	246	0.663	-0.10	338	0.935	-17.02
64	0.995	-3.35	156	0.198	-0.59	248	0.680	-0.18	340	0.934	-17.46
66	0.993	-3.14	158	0.173	-0.57	250	0.697	-0.26	342	0.936	-17.99
68	0.990	-2.91	160	0.148	-0.56	252	0.715	-0.35	344	0.938	-18.49
70	0.988	-2.71	162	0.141	-0.54	254	0.732	-0.44	346	0.940	-19.02
72	0.979	-2.50	164	0.134	-0.52	256	0.750	-0.52	348	0.942	-19.02
74	0.970	-2.30	166	0.126	-0.50	258	0.767	-0.65	350	0.944	-19.02
76	0.960	-2.10	168	0.119	-0.49	260	0.785	-0.79	352	0.945	-19.09
78	0.951	-1.92	170	0.112	-0.48	262	0.802	-0.92	354	0.946	-19.09
80	0.942	-1.73	172	0.112	-0.46	264	0.819	-1.07	356	0.948	-19.09
82	0.928	-1.56	174	0.112	-0.45	266	0.836	-1.21	358	0.949	-19.09
84	0.913	-1.38	176	0.111	-0.45	268	0.853	-1.38	360	0.950	-0.45
86	0.899	-1.21	178	0.111	-0.45	270	0.870	-1.56			
88	0.884	-1.07	180	0.111	-0.46	272	0.884	-1.73			
90	0.870	-0.92	182	0.111	-0.48	274	0.899	-1.92			



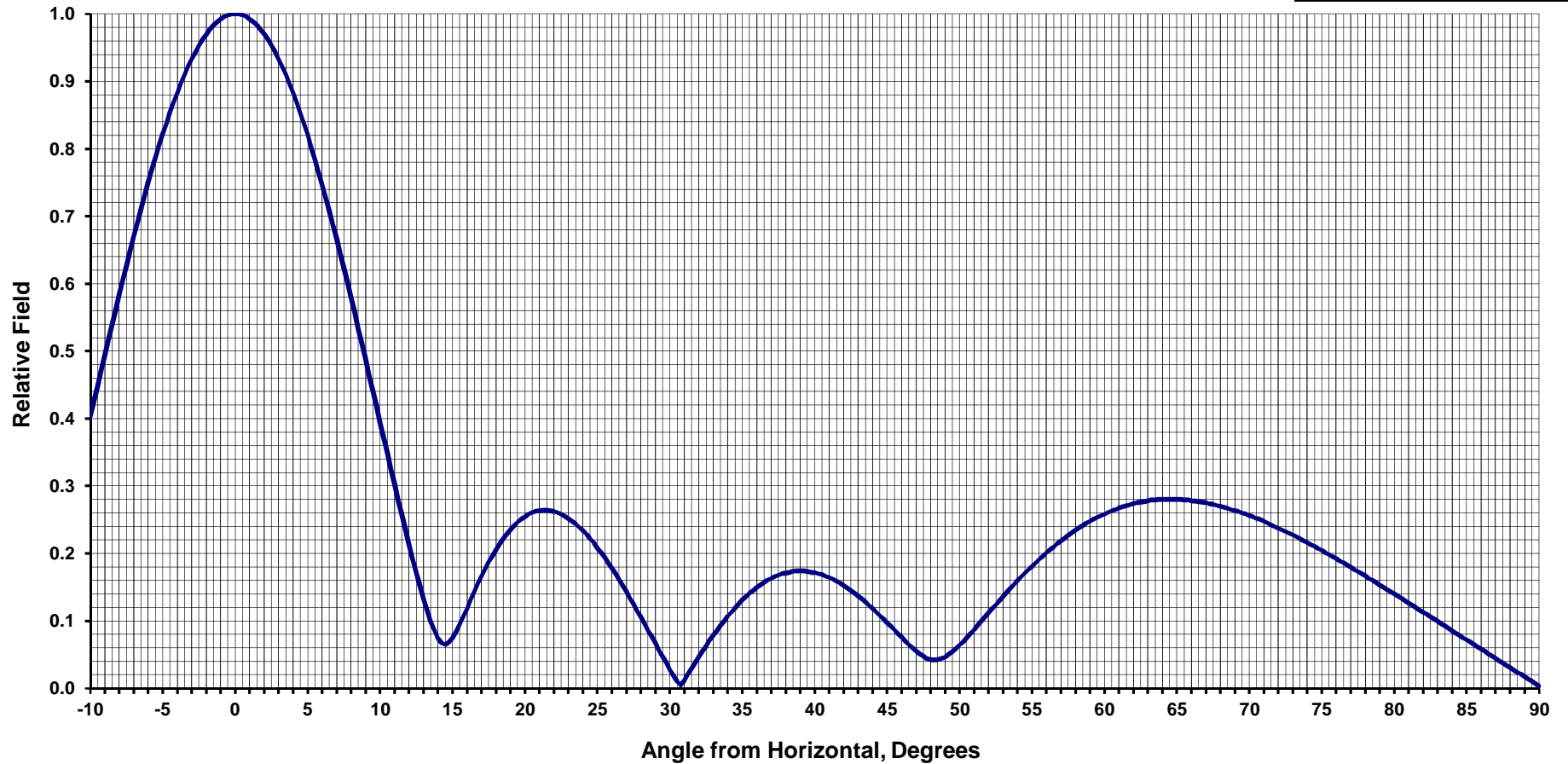
ELEVATION PATTERN

TYPE:	ALP4L1	
Directivity:	Numeric	dBd
Main Lobe:	4.58	(6.61)
Horizontal:	4.58	(6.61)
Beam Tilt:	0.00 degrees	
Polarization:	Horizontal/Vertical	
Channel:		
Location:		



ELEVATION PATTERN

TYPE:	ALP4L1	
Directivity:	Numeric	dBd
Main Lobe:	4.58	6.61
Horizontal:	4.58	6.61
Beam Tilt:	0.00 degrees	
Polarization:	Horizontal/Vertical	
Frequency:		
Location:		



TABULATED DATA FOR ELEVATION PATTERN

TYPE: **ALP4L1**

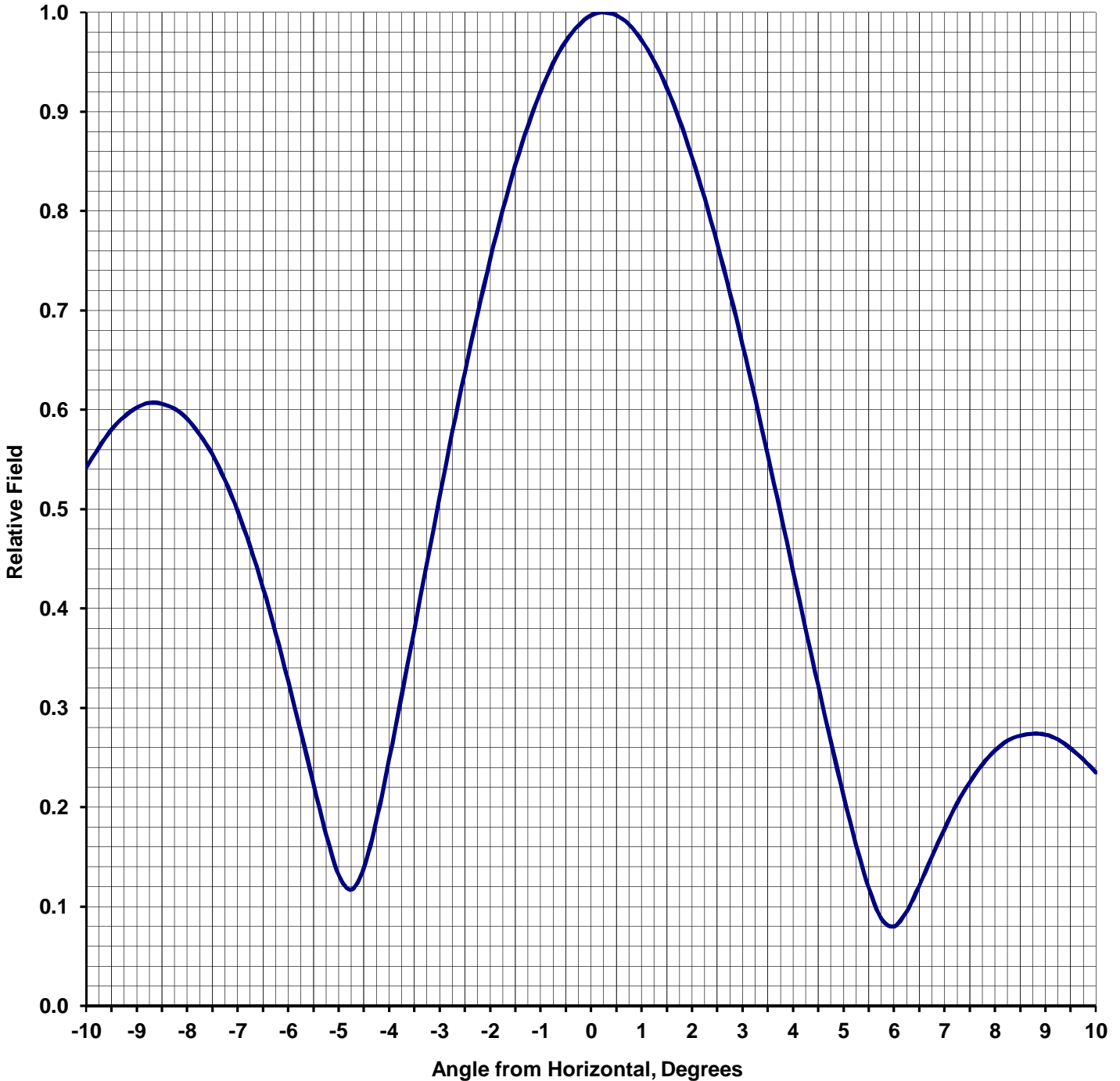
-10 to 10 degrees in 0.25 increments

10 to 90 degrees in 0.50 increments

ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB
-10.00	0.404	-7.88	2.25	0.962	-0.34	18.50	0.222	-13.09	43.00	0.137	-17.27	67.50	0.273	-11.29
-9.75	0.426	-7.41	2.50	0.954	-0.41	19.00	0.235	-12.58	43.50	0.128	-17.86	68.00	0.270	-11.37
-9.50	0.449	-6.96	2.75	0.944	-0.50	19.50	0.246	-12.18	44.00	0.118	-18.56	68.50	0.267	-11.47
-9.25	0.471	-6.54	3.00	0.933	-0.60	20.00	0.255	-11.89	44.50	0.108	-19.33	69.00	0.264	-11.58
-9.00	0.494	-6.13	3.25	0.922	-0.71	20.50	0.261	-11.68	45.00	0.098	-20.22	69.50	0.260	-11.70
-8.75	0.516	-5.75	3.50	0.910	-0.82	21.00	0.263	-11.60	45.50	0.087	-21.26	70.00	0.256	-11.84
-8.50	0.539	-5.38	3.75	0.897	-0.94	21.50	0.264	-11.57	46.00	0.076	-22.38	70.50	0.252	-11.99
-8.25	0.561	-5.02	4.00	0.883	-1.08	22.00	0.263	-11.62	46.50	0.065	-23.74	71.00	0.248	-12.13
-8.00	0.584	-4.68	4.25	0.868	-1.23	22.50	0.259	-11.75	47.00	0.055	-25.19	71.50	0.243	-12.31
-7.75	0.605	-4.36	4.50	0.853	-1.38	23.00	0.252	-11.97	47.50	0.048	-26.47	72.00	0.238	-12.49
-7.50	0.627	-4.05	4.75	0.837	-1.55	23.50	0.244	-12.25	48.00	0.043	-27.43	72.50	0.233	-12.67
-7.25	0.648	-3.77	5.00	0.821	-1.72	24.00	0.234	-12.62	48.50	0.042	-27.54	73.00	0.228	-12.86
-7.00	0.670	-3.48	5.25	0.803	-1.91	24.50	0.222	-13.07	49.00	0.047	-26.65	73.50	0.222	-13.09
-6.75	0.690	-3.22	5.50	0.786	-2.10	25.00	0.209	-13.62	49.50	0.054	-25.35	74.00	0.217	-13.29
-6.50	0.710	-2.97	5.75	0.767	-2.30	25.50	0.195	-14.22	50.00	0.064	-23.88	74.50	0.211	-13.53
-6.25	0.730	-2.73	6.00	0.748	-2.52	26.00	0.179	-14.97	50.50	0.075	-22.50	75.00	0.205	-13.79
-6.00	0.750	-2.50	6.25	0.728	-2.76	26.50	0.161	-15.86	51.00	0.087	-21.21	75.50	0.199	-14.04
-5.75	0.768	-2.29	6.50	0.708	-3.00	27.00	0.144	-16.86	51.50	0.100	-20.04	76.00	0.193	-14.31
-5.50	0.787	-2.09	6.75	0.688	-3.25	27.50	0.125	-18.06	52.00	0.112	-19.05	76.50	0.186	-14.61
-5.25	0.804	-1.89	7.00	0.667	-3.52	28.00	0.106	-19.49	52.50	0.124	-18.13	77.00	0.180	-14.92
-5.00	0.822	-1.71	7.25	0.645	-3.81	28.50	0.086	-21.31	53.00	0.136	-17.33	77.50	0.174	-15.21
-4.75	0.838	-1.54	7.50	0.624	-4.10	29.00	0.067	-23.48	53.50	0.148	-16.59	78.00	0.167	-15.57
-4.50	0.854	-1.38	7.75	0.601	-4.42	29.50	0.047	-26.56	54.00	0.160	-15.94	78.50	0.160	-15.92
-4.25	0.869	-1.22	8.00	0.580	-4.74	30.00	0.028	-31.06	54.50	0.171	-15.37	79.00	0.154	-16.28
-4.00	0.883	-1.08	8.25	0.557	-5.08	30.50	0.010	-40.45	55.00	0.181	-14.85	79.50	0.147	-16.65
-3.75	0.897	-0.94	8.50	0.534	-5.46	31.00	0.012	-38.79	55.50	0.191	-14.38	80.00	0.140	-17.08
-3.50	0.910	-0.82	8.75	0.511	-5.83	31.50	0.029	-30.75	56.00	0.201	-13.94	80.50	0.134	-17.49
-3.25	0.922	-0.71	9.00	0.488	-6.24	32.00	0.046	-26.74	56.50	0.210	-13.56	81.00	0.127	-17.96
-3.00	0.933	-0.60	9.25	0.464	-6.67	32.50	0.063	-24.08	57.00	0.219	-13.19	81.50	0.120	-18.42
-2.75	0.943	-0.51	9.50	0.441	-7.11	33.00	0.079	-22.10	57.50	0.227	-12.88	82.00	0.113	-18.94
-2.50	0.953	-0.42	9.75	0.418	-7.58	33.50	0.094	-20.58	58.00	0.235	-12.60	82.50	0.107	-19.45
-2.25	0.962	-0.34	10.00	0.395	-8.08	34.00	0.107	-19.41	58.50	0.242	-12.34	83.00	0.100	-20.04
-2.00	0.970	-0.27	10.25	0.371	-8.61	34.50	0.120	-18.45	59.00	0.248	-12.13	83.50	0.093	-20.68
-1.75	0.977	-0.20	10.50	0.348	-9.17	35.00	0.131	-17.65	59.50	0.254	-11.92	84.00	0.086	-21.36
-1.50	0.983	-0.15	11.00	0.303	-10.39	35.50	0.141	-17.02	60.00	0.259	-11.75	84.50	0.08	-22.05
-1.25	0.988	-0.10	11.50	0.258	-11.78	36.00	0.150	-16.51	60.50	0.264	-11.58	85.00	0.07	-22.85
-1.00	0.993	-0.07	12.00	0.214	-13.39	36.50	0.157	-16.08	61.00	0.268	-11.45	85.50	0.07	-23.74
-0.75	0.996	-0.03	12.50	0.172	-15.29	37.00	0.163	-15.76	61.50	0.271	-11.36	86.00	0.06	-24.66
-0.50	0.998	-0.02	13.00	0.134	-17.49	37.50	0.168	-15.52	62.00	0.274	-11.26	86.50	0.05	-25.76
-0.25	1.000	0.00	13.50	0.100	-20.00	38.00	0.171	-15.34	62.50	0.276	-11.18	87.00	0.04	-27.03
0.00	1.000	0.00	14.00	0.075	-22.56	38.50	0.173	-15.24	63.00	0.278	-11.12	87.50	0.04	-28.52
0.25	1.000	0.00	14.50	0.065	-23.74	39.00	0.174	-15.19	63.50	0.279	-11.09	88.00	0.03	-30.17
0.50	0.999	-0.01	15.00	0.075	-22.56	39.50	0.173	-15.24	64.00	0.280	-11.06	88.50	0.02	-32.40
0.75	0.996	-0.03	15.50	0.095	-20.45	40.00	0.172	-15.31	64.50	0.280	-11.06	89.00	0.02	-35.39
1.00	0.993	-0.07	16.00	0.119	-18.53	40.50	0.169	-15.47	65.00	0.280	-11.06	89.50	0.01	-39.58
1.25	0.988	-0.10	16.50	0.143	-16.89	41.00	0.165	-15.68	65.50	0.279	-11.09	90.00	0.00	-49.12
1.50	0.983	-0.15	17.00	0.166	-15.60	41.50	0.159	-16.00	66.00	0.278	-11.12			
1.75	0.977	-0.20	17.50	0.187	-14.56	42.00	0.153	-16.33	66.50	0.277	-11.15			
2.00	0.971	-0.26	18.00	0.206	-13.74	42.50	0.145	-16.77	67.00	0.275	-11.21			

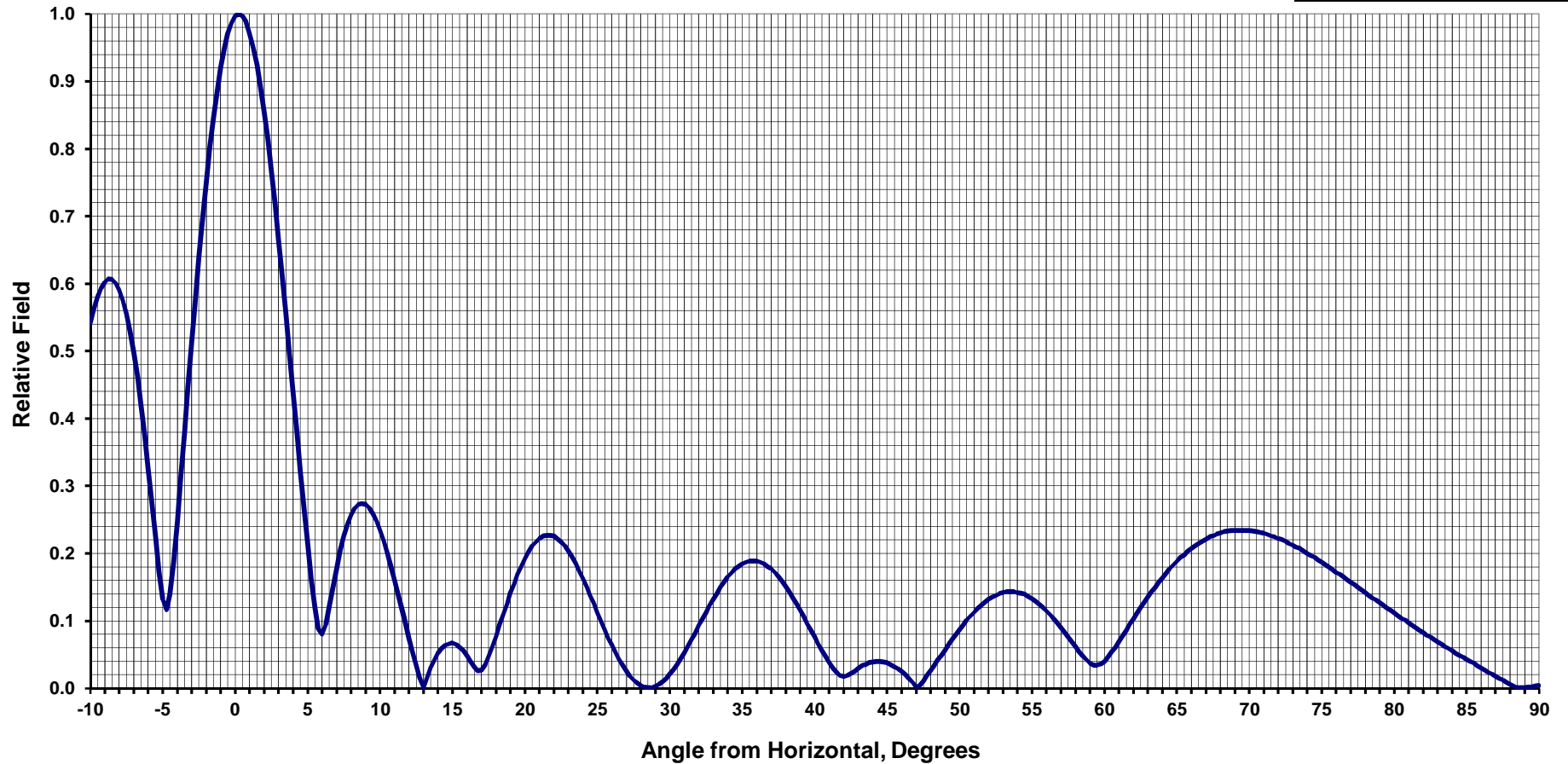
ELEVATION PATTERN

TYPE:	ALP8L1	
Directivity:	Numeric	dBd
Main Lobe:	8.26	(9.17)
Horizontal:	8.21	(9.14)
Beam Tilt:	0.25 degrees	
Polarization:	Horizontal/Vertical	
Channel:		
Location:		



ELEVATION PATTERN

TYPE:	ALP8L1	
Directivity:	Numeric	dBd
Main Lobe:	8.26	9.17
Horizontal:	8.21	9.14
Beam Tilt:	0.25 degrees	
Polarization:	Horizontal/Vertical	
Frequency:		
Location:		



TABULATED DATA FOR ELEVATION PATTERN

TYPE: **ALP8L1**

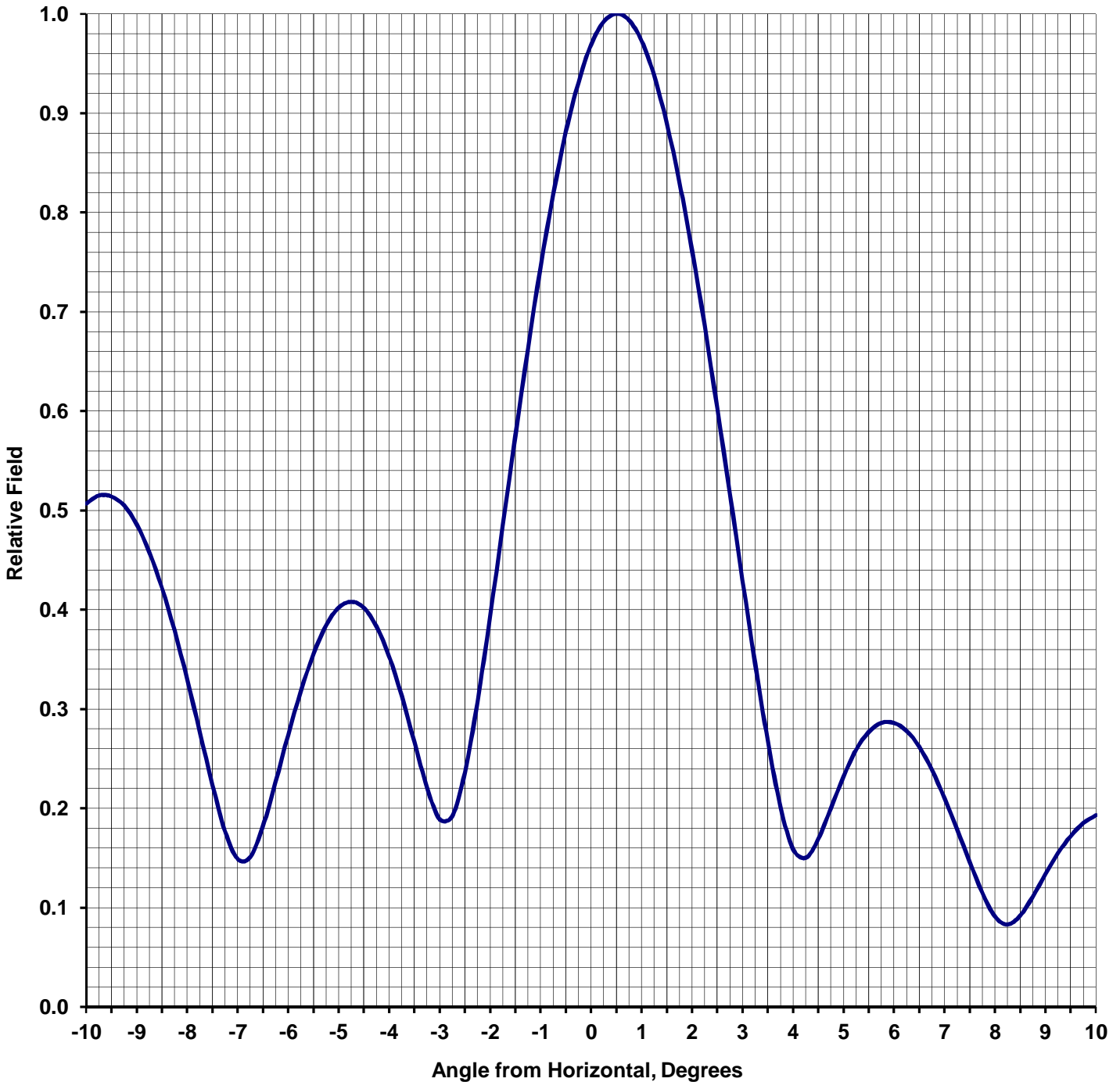
-10 to 10 degrees in 0.25 increments

10 to 90 degrees in 0.50 increments

ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB
-10.00	0.542	-5.32	2.25	0.813	-1.80	18.50	0.109	-19.25	43.00	0.029	-30.75	67.50	0.226	-12.92
-9.75	0.562	-5.01	2.50	0.767	-2.30	19.00	0.141	-17.02	43.50	0.035	-29.12	68.00	0.230	-12.77
-9.50	0.580	-4.73	2.75	0.718	-2.88	19.50	0.169	-15.44	44.00	0.039	-28.18	68.50	0.233	-12.65
-9.25	0.593	-4.54	3.00	0.666	-3.53	20.00	0.193	-14.29	44.50	0.040	-27.96	69.00	0.234	-12.62
-9.00	0.602	-4.41	3.25	0.611	-4.28	20.50	0.211	-13.51	45.00	0.038	-28.40	69.50	0.234	-12.62
-8.75	0.607	-4.34	3.50	0.554	-5.13	21.00	0.222	-13.07	45.50	0.032	-29.90	70.00	0.234	-12.62
-8.50	0.606	-4.35	3.75	0.497	-6.07	21.50	0.227	-12.88	46.00	0.025	-32.04	70.50	0.232	-12.69
-8.25	0.601	-4.42	4.00	0.438	-7.17	22.00	0.226	-12.92	46.50	0.015	-36.48	71.00	0.230	-12.77
-8.00	0.591	-4.57	4.25	0.380	-8.40	22.50	0.217	-13.27	47.00	0.002	-53.98	71.50	0.226	-12.92
-7.75	0.575	-4.81	4.50	0.322	-9.84	23.00	0.204	-13.81	47.50	0.011	-39.17	72.00	0.222	-13.07
-7.50	0.555	-5.11	4.75	0.266	-11.50	23.50	0.185	-14.66	48.00	0.026	-31.70	72.50	0.218	-13.23
-7.25	0.529	-5.53	5.00	0.212	-13.47	24.00	0.163	-15.76	48.50	0.042	-27.54	73.00	0.212	-13.47
-7.00	0.498	-6.06	5.25	0.162	-15.81	24.50	0.138	-17.20	49.00	0.057	-24.88	73.50	0.207	-13.68
-6.75	0.462	-6.71	5.50	0.119	-18.49	25.00	0.113	-18.94	49.50	0.073	-22.73	74.00	0.200	-13.98
-6.50	0.421	-7.51	5.75	0.088	-21.11	25.50	0.087	-21.21	50.00	0.087	-21.21	74.50	0.194	-14.24
-6.25	0.376	-8.50	6.00	0.080	-21.94	26.00	0.064	-23.88	50.50	0.101	-19.91	75.00	0.187	-14.56
-6.00	0.327	-9.71	6.25	0.095	-20.45	26.50	0.043	-27.33	51.00	0.113	-18.94	75.50	0.180	-14.89
-5.75	0.276	-11.18	6.50	0.121	-18.34	27.00	0.025	-32.04	51.50	0.123	-18.20	76.00	0.172	-15.29
-5.50	0.224	-13.00	6.75	0.150	-16.48	27.50	0.012	-38.42	52.00	0.132	-17.59	76.50	0.165	-15.65
-5.25	0.173	-15.24	7.00	0.178	-14.99	28.00	0.004	-47.96	52.50	0.138	-17.20	77.00	0.157	-16.08
-5.00	0.132	-17.59	7.25	0.204	-13.81	28.50	0.001	-60.00	53.00	0.142	-16.95	77.50	0.150	-16.48
-4.75	0.117	-18.64	7.50	0.225	-12.96	29.00	0.003	-50.46	53.50	0.143	-16.89	78.00	0.142	-16.95
-4.50	0.139	-17.14	7.75	0.243	-12.29	29.50	0.010	-40.00	54.00	0.142	-16.95	78.50	0.134	-17.46
-4.25	0.187	-14.56	8.00	0.257	-11.80	30.00	0.021	-33.56	54.50	0.139	-17.14	79.00	0.127	-17.92
-4.00	0.248	-12.11	8.25	0.267	-11.47	30.50	0.036	-28.87	55.00	0.133	-17.52	79.50	0.119	-18.49
-3.75	0.313	-10.09	8.50	0.272	-11.31	31.00	0.053	-25.51	55.50	0.125	-18.06	80.00	0.112	-19.02
-3.50	0.379	-8.43	8.75	0.274	-11.24	31.50	0.072	-22.85	56.00	0.115	-18.79	80.50	0.104	-19.66
-3.25	0.446	-7.01	9.00	0.273	-11.28	32.00	0.093	-20.63	56.50	0.103	-19.74	81.00	0.097	-20.26
-3.00	0.512	-5.81	9.25	0.268	-11.44	32.50	0.113	-18.94	57.00	0.090	-20.92	81.50	0.090	-20.92
-2.75	0.577	-4.78	9.50	0.259	-11.73	33.00	0.132	-17.59	57.50	0.076	-22.38	82.00	0.083	-21.62
-2.50	0.638	-3.90	9.75	0.248	-12.11	33.50	0.150	-16.48	58.00	0.062	-24.15	82.50	0.076	-22.38
-2.25	0.696	-3.15	10.00	0.235	-12.58	34.00	0.165	-15.65	58.50	0.048	-26.38	83.00	0.069	-23.22
-2.00	0.751	-2.49	10.25	0.219	-13.19	34.50	0.177	-15.04	59.00	0.037	-28.64	83.50	0.062	-24.15
-1.75	0.801	-1.93	10.50	0.201	-13.94	35.00	0.185	-14.66	59.50	0.034	-29.37	84.00	0.056	-25.04
-1.50	0.846	-1.45	11.00	0.161	-15.86	35.50	0.189	-14.47	60.00	0.040	-27.96	84.50	0.05	-26.20
-1.25	0.886	-1.05	11.50	0.118	-18.56	36.00	0.189	-14.47	60.50	0.054	-25.35	85.00	0.04	-27.33
-1.00	0.920	-0.72	12.00	0.075	-22.50	36.50	0.185	-14.66	61.00	0.069	-23.22	85.50	0.04	-28.64
-0.75	0.949	-0.45	12.50	0.034	-29.37	37.00	0.177	-15.04	61.50	0.086	-21.31	86.00	0.03	-30.46
-0.50	0.971	-0.26	13.00	0.001	-60.00	37.50	0.166	-15.60	62.00	0.103	-19.74	86.50	0.02	-32.40
-0.25	0.987	-0.11	13.50	0.031	-30.17	38.00	0.151	-16.42	62.50	0.120	-18.42	87.00	0.02	-34.89
0.00	0.997	-0.03	14.00	0.052	-25.68	38.50	0.134	-17.46	63.00	0.135	-17.39	87.50	0.01	-38.42
0.25	1.000	0.00	14.50	0.064	-23.88	39.00	0.116	-18.71	63.50	0.150	-16.48	88.00	0.01	-44.44
0.50	0.997	-0.03	15.00	0.067	-23.48	39.50	0.096	-20.35	64.00	0.164	-15.70	88.50	0.00	-60.00
0.75	0.988	-0.10	15.50	0.061	-24.29	40.00	0.076	-22.38	64.50	0.177	-15.04	89.00	0.00	-60.00
1.00	0.972	-0.25	16.00	0.048	-26.38	40.50	0.056	-25.04	65.00	0.188	-14.52	89.50	0.00	-53.98
1.25	0.951	-0.44	16.50	0.032	-29.90	41.00	0.038	-28.40	65.50	0.198	-14.07	90.00	0.00	-47.96
1.50	0.924	-0.69	17.00	0.027	-31.37	41.50	0.024	-32.40	66.00	0.207	-13.68			
1.75	0.892	-0.99	17.50	0.047	-26.56	42.00	0.017	-35.39	66.50	0.215	-13.35			
2.00	0.854	-1.37	18.00	0.077	-22.27	42.50	0.022	-33.15	67.00	0.221	-13.11			

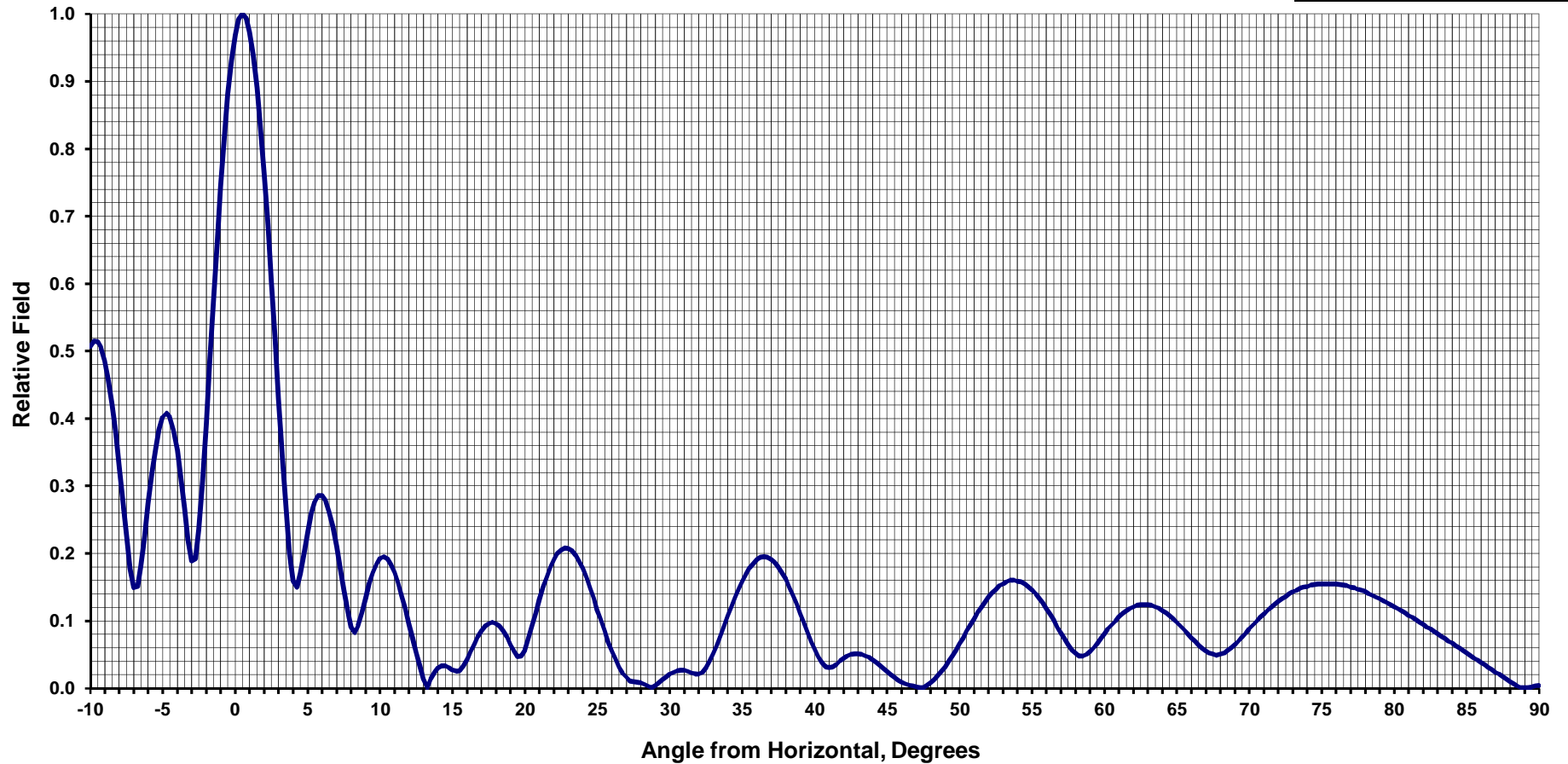
ELEVATION PATTERN

TYPE:	ALP12L2	
Directivity:	Numeric	dBd
Main Lobe:	11.84	(10.73)
Horizontal:	11.12	(10.46)
Beam Tilt:	0.50 degrees	
Polarization:	Horizontal/Vertical	
Channel:		
Location:		



ELEVATION PATTERN

TYPE:	ALP12L2	
Directivity:	Numeric	dBd
Main Lobe:	11.84	10.73
Horizontal:	11.12	10.46
Beam Tilt:	0.50 degrees	
Polarization:	Horizontal/Vertical	
Frequency:		
Location:		



TABULATED DATA FOR ELEVATION PATTERN

TYPE: ALP12L2

-10 to 10 degrees in 0.25 increments

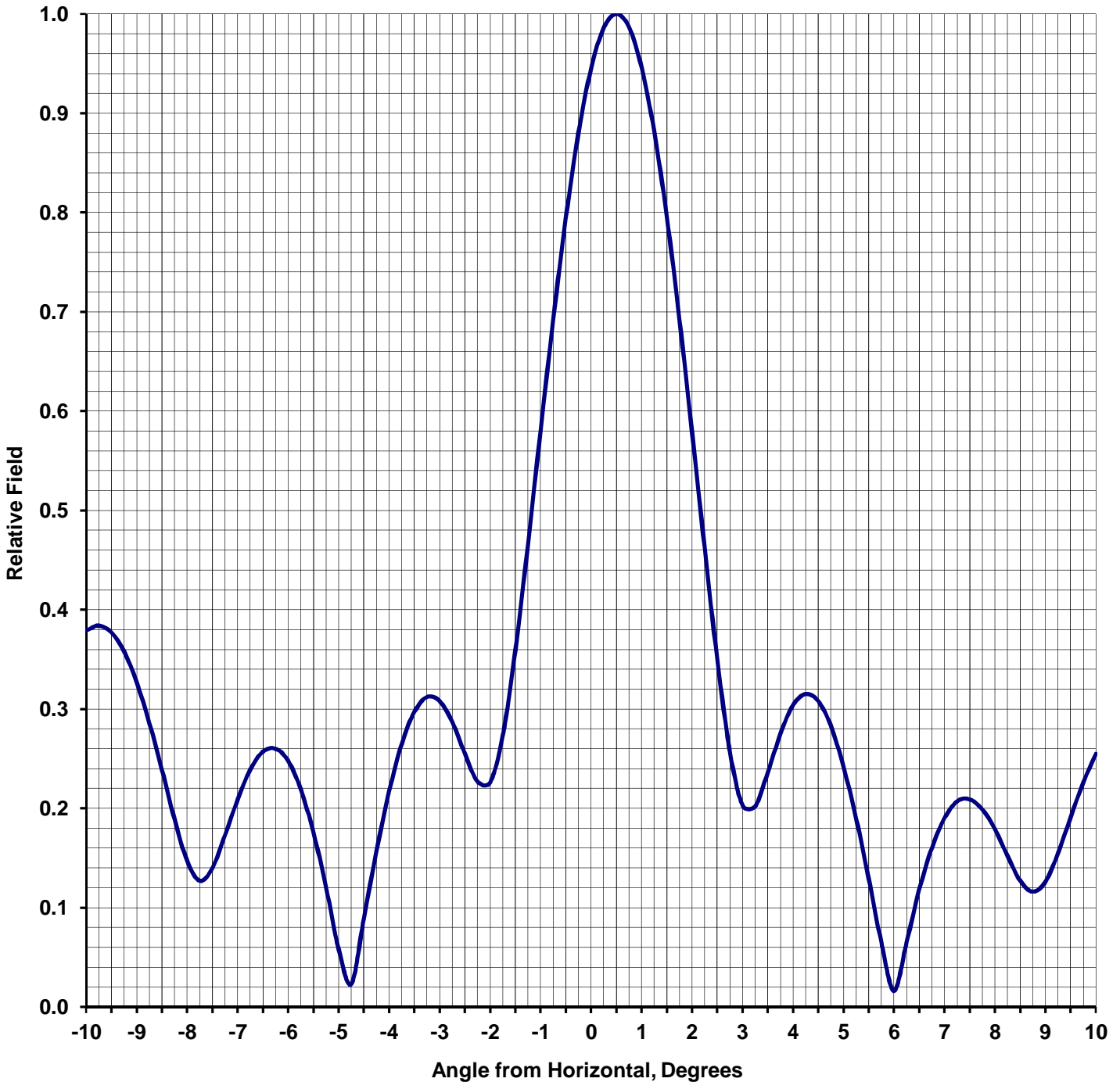
10 to 90 degrees in 0.50 increments

ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB
-10.00	0.507	-5.90	2.25	0.686	-3.27	18.50	0.085	-21.41	43.00	0.051	-25.85	67.50	0.050	-26.02
-9.75	0.515	-5.76	2.50	0.603	-4.39	19.00	0.065	-23.74	43.50	0.048	-26.38	68.00	0.050	-26.02
-9.50	0.514	-5.78	2.75	0.517	-5.73	19.50	0.047	-26.56	44.00	0.042	-27.54	68.50	0.056	-25.04
-9.25	0.505	-5.93	3.00	0.430	-7.33	20.00	0.057	-24.88	44.50	0.034	-29.37	69.00	0.065	-23.74
-9.00	0.486	-6.27	3.25	0.346	-9.22	20.50	0.092	-20.72	45.00	0.025	-32.04	69.50	0.076	-22.38
-8.75	0.458	-6.78	3.50	0.268	-11.44	21.00	0.131	-17.65	45.50	0.016	-35.92	70.00	0.088	-21.11
-8.50	0.422	-7.49	3.75	0.202	-13.89	21.50	0.165	-15.65	46.00	0.009	-40.92	70.50	0.099	-20.09
-8.25	0.379	-8.43	4.00	0.159	-15.97	22.00	0.191	-14.38	46.50	0.005	-46.02	71.00	0.110	-19.17
-8.00	0.330	-9.63	4.25	0.150	-16.48	22.50	0.205	-13.76	47.00	0.002	-53.98	71.50	0.120	-18.42
-7.75	0.277	-11.15	4.50	0.169	-15.44	23.00	0.207	-13.68	47.50	0.001	-60.00	72.00	0.129	-17.79
-7.50	0.224	-13.00	4.75	0.200	-13.98	23.50	0.197	-14.11	48.00	0.008	-41.94	72.50	0.136	-17.33
-7.25	0.177	-15.04	5.00	0.232	-12.69	24.00	0.177	-15.04	48.50	0.019	-34.42	73.00	0.143	-16.89
-7.00	0.149	-16.54	5.25	0.259	-11.73	24.50	0.149	-16.54	49.00	0.032	-29.90	73.50	0.148	-16.59
-6.75	0.151	-16.42	5.50	0.277	-11.15	25.00	0.117	-18.64	49.50	0.048	-26.38	74.00	0.151	-16.42
-6.50	0.182	-14.80	5.75	0.286	-10.87	25.50	0.085	-21.41	50.00	0.066	-23.61	74.50	0.154	-16.25
-6.25	0.226	-12.92	6.00	0.286	-10.87	26.00	0.055	-25.19	50.50	0.085	-21.41	75.00	0.155	-16.19
-6.00	0.274	-11.24	6.25	0.278	-11.12	26.50	0.032	-29.90	51.00	0.103	-19.74	75.50	0.155	-16.19
-5.75	0.318	-9.95	6.50	0.262	-11.63	27.00	0.016	-35.92	51.50	0.120	-18.42	76.00	0.155	-16.19
-5.50	0.355	-9.00	6.75	0.239	-12.43	27.50	0.010	-40.00	52.00	0.135	-17.39	76.50	0.153	-16.31
-5.25	0.384	-8.31	7.00	0.210	-13.56	28.00	0.008	-41.94	52.50	0.147	-16.65	77.00	0.150	-16.48
-5.00	0.402	-7.92	7.25	0.179	-14.94	28.50	0.003	-50.46	53.00	0.155	-16.19	77.50	0.147	-16.65
-4.75	0.408	-7.79	7.50	0.146	-16.71	29.00	0.004	-47.96	53.50	0.160	-15.92	78.00	0.143	-16.89
-4.50	0.402	-7.92	7.75	0.115	-18.79	29.50	0.013	-37.72	54.00	0.159	-15.97	78.50	0.138	-17.20
-4.25	0.383	-8.34	8.00	0.091	-20.82	30.00	0.021	-33.56	54.50	0.155	-16.19	79.00	0.133	-17.52
-4.00	0.353	-9.04	8.25	0.083	-21.62	30.50	0.026	-31.70	55.00	0.146	-16.71	79.50	0.127	-17.92
-3.75	0.313	-10.09	8.50	0.092	-20.72	31.00	0.027	-31.37	55.50	0.134	-17.46	80.00	0.121	-18.34
-3.50	0.267	-11.47	8.75	0.111	-19.09	31.50	0.023	-32.77	56.00	0.118	-18.56	80.50	0.115	-18.79
-3.25	0.221	-13.11	9.00	0.134	-17.46	32.00	0.021	-33.56	56.50	0.101	-19.91	81.00	0.108	-19.33
-3.00	0.189	-14.47	9.25	0.155	-16.19	32.50	0.031	-30.17	57.00	0.082	-21.72	81.50	0.102	-19.83
-2.75	0.192	-14.33	9.50	0.172	-15.29	33.00	0.052	-25.68	57.50	0.065	-23.74	82.00	0.095	-20.45
-2.50	0.236	-12.54	9.75	0.185	-14.66	33.50	0.078	-22.16	58.00	0.052	-25.68	82.50	0.088	-21.11
-2.25	0.307	-10.26	10.00	0.193	-14.29	34.00	0.107	-19.41	58.50	0.048	-26.38	83.00	0.081	-21.83
-2.00	0.393	-8.11	10.25	0.195	-14.20	34.50	0.135	-17.39	59.00	0.054	-25.35	83.50	0.074	-22.62
-1.75	0.484	-6.30	10.50	0.192	-14.33	35.00	0.159	-15.97	59.50	0.066	-23.61	84.00	0.067	-23.48
-1.50	0.575	-4.81	11.00	0.172	-15.29	35.50	0.178	-14.99	60.00	0.081	-21.83	84.50	0.06	-24.44
-1.25	0.663	-3.57	11.50	0.138	-17.20	36.00	0.191	-14.38	60.50	0.094	-20.54	85.00	0.05	-25.51
-1.00	0.745	-2.56	12.00	0.096	-20.35	36.50	0.195	-14.20	61.00	0.106	-19.49	85.50	0.05	-26.94
-0.75	0.818	-1.74	12.50	0.053	-25.51	37.00	0.191	-14.38	61.50	0.115	-18.79	86.00	0.04	-28.40
-0.50	0.881	-1.10	13.00	0.014	-37.08	37.50	0.180	-14.89	62.00	0.121	-18.34	86.50	0.03	-30.17
-0.25	0.931	-0.62	13.50	0.014	-37.08	38.00	0.162	-15.81	62.50	0.124	-18.13	87.00	0.02	-32.40
0.00	0.969	-0.27	14.00	0.030	-30.46	38.50	0.138	-17.20	63.00	0.124	-18.13	87.50	0.02	-35.39
0.25	0.992	-0.07	14.50	0.033	-29.63	39.00	0.111	-19.09	63.50	0.121	-18.34	88.00	0.01	-40.00
0.50	1.000	0.00	15.00	0.027	-31.37	39.50	0.084	-21.51	64.00	0.115	-18.79	88.50	0.00	-50.46
0.75	0.994	-0.05	15.50	0.026	-31.70	40.00	0.058	-24.73	64.50	0.108	-19.33	89.00	0.00	-60.00
1.00	0.973	-0.24	16.00	0.043	-27.33	40.50	0.038	-28.40	65.00	0.098	-20.18	89.50	0.00	-53.98
1.25	0.938	-0.56	16.50	0.065	-23.74	41.00	0.031	-30.17	65.50	0.087	-21.21	90.00	0.00	-47.96
1.50	0.890	-1.01	17.00	0.085	-21.41	41.50	0.036	-28.87	66.00	0.075	-22.50			
1.75	0.831	-1.61	17.50	0.096	-20.35	42.00	0.045	-26.94	66.50	0.064	-23.88			
2.00	0.762	-2.36	18.00	0.096	-20.35	42.50	0.050	-26.02	67.00	0.055	-25.19			



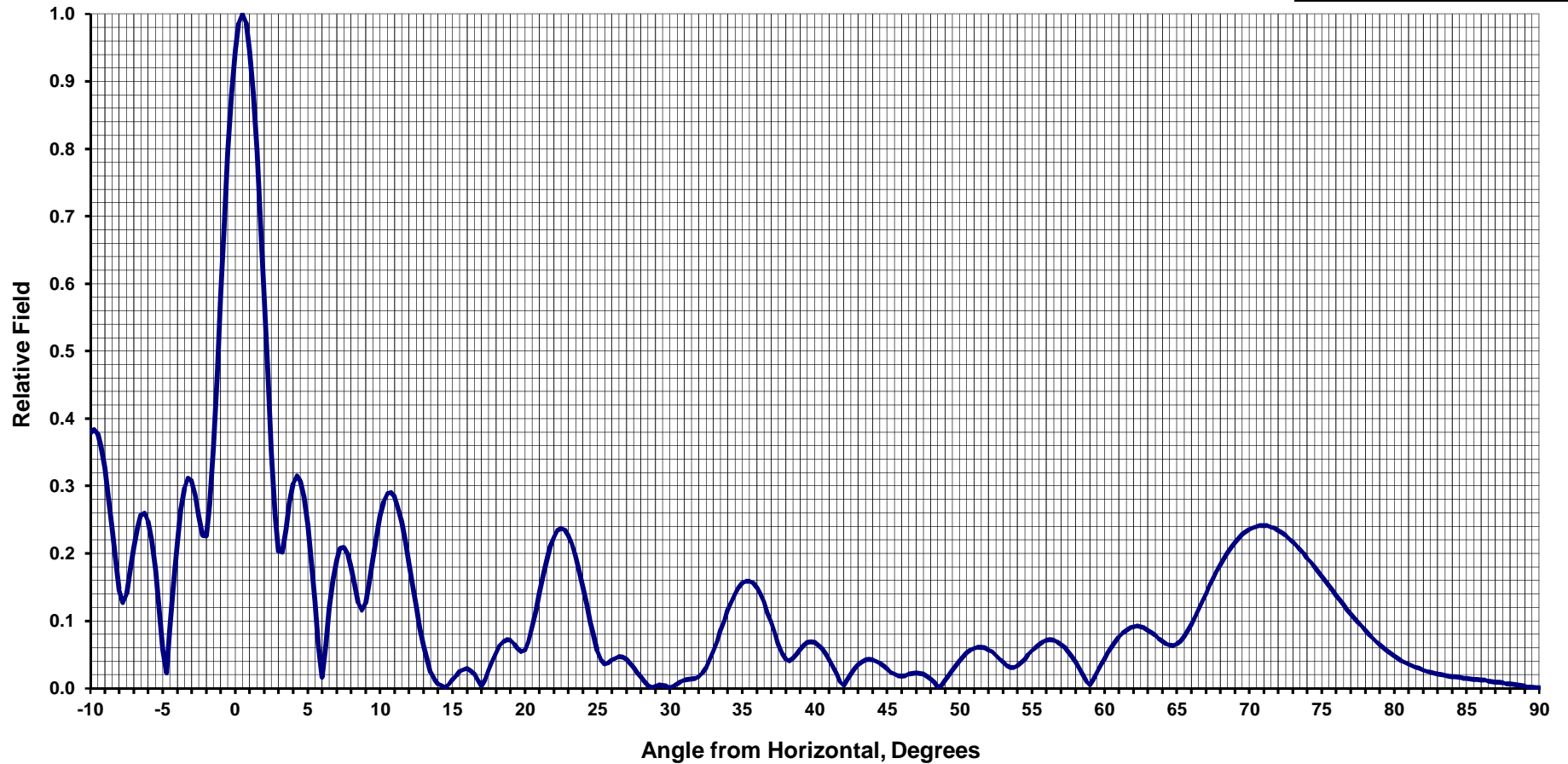
ELEVATION PATTERN

TYPE:	ALP16L2	
Directivity:	Numeric	dBd
Main Lobe:	16.01	(12.04)
Horizontal:	14.30	(11.55)
Beam Tilt:	0.50 degrees	
Polarization:	Horizontal/Vertical	
Channel:		
Location:		



ELEVATION PATTERN

TYPE:	ALP16L2	
Directivity:	Numeric	dBd
Main Lobe:	16.01	12.04
Horizontal:	14.30	11.55
Beam Tilt:	0.50 degrees	
Polarization:	Horizontal/Vertical	
Frequency:		
Location:		



TABULATED DATA FOR ELEVATION PATTERN

TYPE: **ALP16L2**

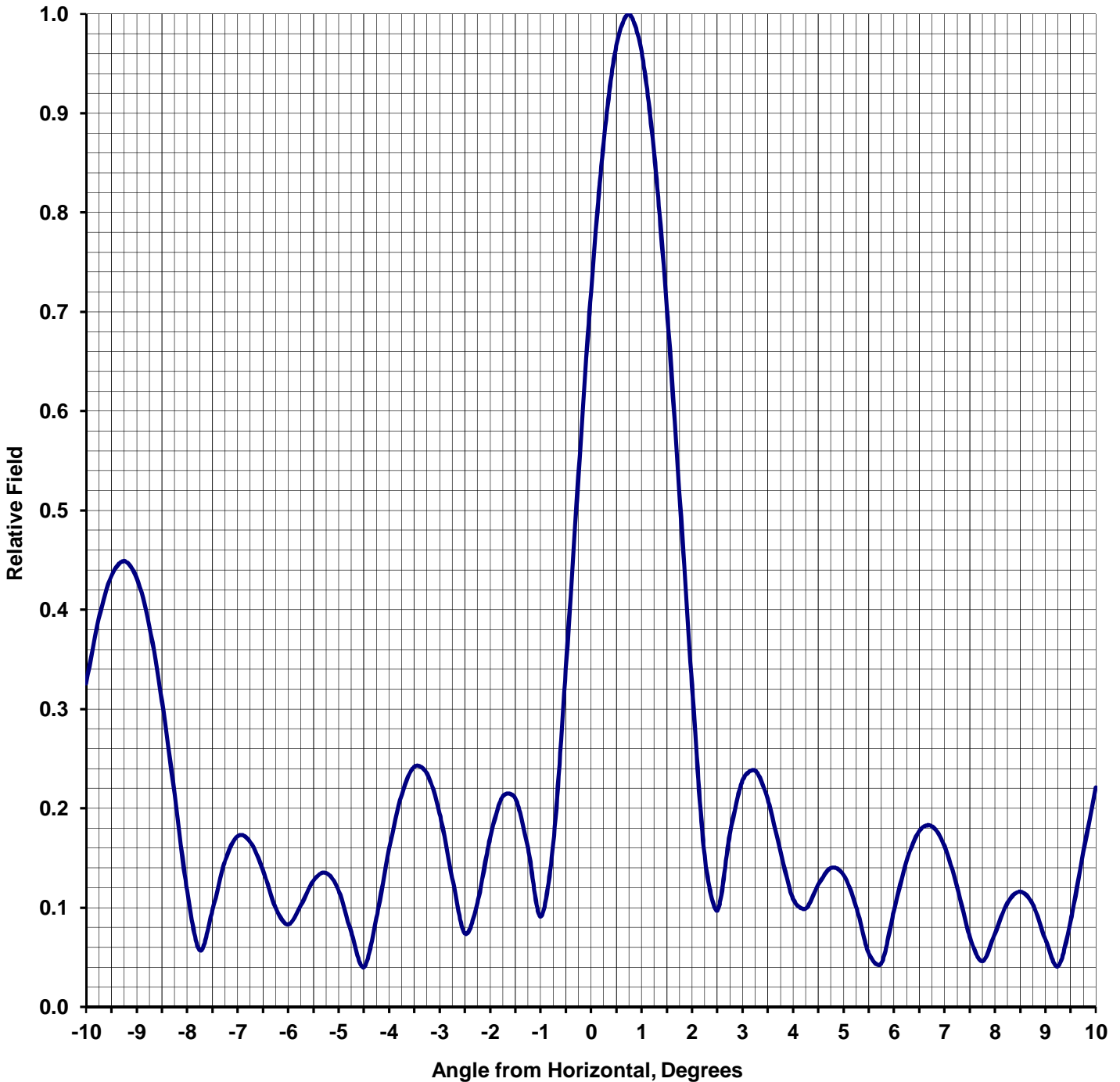
-10 to 10 degrees in 0.25 increments

10 to 90 degrees in 0.50 increments

ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB
-10.00	0.379	-8.43	2.25	0.462	-6.71	18.50	0.069	-23.22	43.00	0.035	-29.12	67.50	0.163	-15.76
-9.75	0.384	-8.31	2.50	0.350	-9.12	19.00	0.071	-22.97	43.50	0.042	-27.54	68.00	0.183	-14.75
-9.50	0.377	-8.47	2.75	0.257	-11.80	19.50	0.059	-24.58	44.00	0.042	-27.54	68.50	0.201	-13.94
-9.25	0.358	-8.92	3.00	0.203	-13.85	20.00	0.057	-24.88	44.50	0.037	-28.64	69.00	0.216	-13.31
-9.00	0.327	-9.71	3.25	0.202	-13.89	20.50	0.090	-20.92	45.00	0.029	-30.75	69.50	0.228	-12.84
-8.75	0.286	-10.87	3.50	0.236	-12.54	21.00	0.141	-17.02	45.50	0.021	-33.56	70.00	0.236	-12.54
-8.50	0.239	-12.43	3.75	0.275	-11.21	21.50	0.190	-14.42	46.00	0.018	-34.89	70.50	0.240	-12.40
-8.25	0.189	-14.47	4.00	0.304	-10.34	22.00	0.224	-13.00	46.50	0.021	-33.56	71.00	0.241	-12.36
-8.00	0.147	-16.65	4.25	0.315	-10.03	22.50	0.237	-12.51	47.00	0.023	-32.77	71.50	0.239	-12.43
-7.75	0.127	-17.92	4.50	0.308	-10.23	23.00	0.227	-12.88	47.50	0.021	-33.56	72.00	0.234	-12.62
-7.50	0.140	-17.08	4.75	0.283	-10.96	23.50	0.196	-14.15	48.00	0.014	-37.08	72.50	0.227	-12.88
-7.25	0.173	-15.24	5.00	0.242	-12.32	24.00	0.150	-16.48	48.50	0.002	-53.98	73.00	0.217	-13.27
-7.00	0.209	-13.60	5.25	0.190	-14.42	24.50	0.100	-20.00	49.00	0.012	-38.42	73.50	0.206	-13.72
-6.75	0.239	-12.43	5.50	0.129	-17.79	25.00	0.056	-25.04	49.50	0.027	-31.37	74.00	0.193	-14.29
-6.50	0.257	-11.80	5.75	0.065	-23.74	25.50	0.036	-28.87	50.00	0.041	-27.74	74.50	0.180	-14.89
-6.25	0.260	-11.70	6.00	0.016	-35.92	26.00	0.042	-27.54	50.50	0.053	-25.51	75.00	0.166	-15.60
-6.00	0.248	-12.11	6.25	0.065	-23.74	26.50	0.047	-26.56	51.00	0.059	-24.58	75.50	0.152	-16.36
-5.75	0.219	-13.19	6.50	0.118	-18.56	27.00	0.043	-27.33	51.50	0.061	-24.29	76.00	0.138	-17.20
-5.50	0.176	-15.09	6.75	0.160	-15.92	27.50	0.031	-30.17	52.00	0.057	-24.88	76.50	0.124	-18.13
-5.25	0.121	-18.34	7.00	0.190	-14.42	28.00	0.017	-35.39	52.50	0.049	-26.20	77.00	0.110	-19.17
-5.00	0.058	-24.73	7.25	0.207	-13.68	28.50	0.004	-47.96	53.00	0.039	-28.18	77.50	0.098	-20.18
-4.75	0.023	-32.77	7.50	0.209	-13.60	29.00	0.003	-50.46	53.50	0.031	-30.17	78.00	0.086	-21.31
-4.50	0.089	-21.01	7.75	0.199	-14.02	29.50	0.004	-47.96	54.00	0.033	-29.63	78.50	0.075	-22.50
-4.25	0.157	-16.08	8.00	0.179	-14.94	30.00	0.001	-60.00	54.50	0.043	-27.33	79.00	0.065	-23.74
-4.00	0.217	-13.27	8.25	0.152	-16.36	30.50	0.007	-43.10	55.00	0.056	-25.04	79.50	0.056	-25.04
-3.75	0.265	-11.54	8.50	0.127	-17.92	31.00	0.012	-38.42	55.50	0.065	-23.74	80.00	0.048	-26.38
-3.50	0.297	-10.54	8.75	0.116	-18.71	31.50	0.014	-37.08	56.00	0.071	-22.97	80.50	0.041	-27.74
-3.25	0.312	-10.12	9.00	0.126	-17.99	32.00	0.017	-35.39	56.50	0.071	-22.97	81.00	0.036	-28.87
-3.00	0.308	-10.23	9.25	0.155	-16.19	32.50	0.031	-30.17	57.00	0.065	-23.74	81.50	0.031	-30.17
-2.75	0.287	-10.84	9.50	0.191	-14.38	33.00	0.055	-25.19	57.50	0.054	-25.35	82.00	0.027	-31.37
-2.50	0.255	-11.87	9.75	0.226	-12.92	33.50	0.085	-21.41	58.00	0.039	-28.18	82.50	0.024	-32.40
-2.25	0.227	-12.88	10.00	0.255	-11.87	34.00	0.115	-18.79	58.50	0.020	-33.98	83.00	0.021	-33.56
-2.00	0.226	-12.92	10.25	0.277	-11.15	34.50	0.140	-17.08	59.00	0.005	-46.02	83.50	0.019	-34.42
-1.75	0.273	-11.28	10.50	0.289	-10.78	35.00	0.156	-16.14	59.50	0.024	-32.40	84.00	0.017	-35.39
-1.50	0.359	-8.90	11.00	0.284	-10.93	35.50	0.159	-15.97	60.00	0.044	-27.13	84.50	0.02	-35.92
-1.25	0.466	-6.63	11.50	0.246	-12.18	36.00	0.149	-16.54	60.50	0.062	-24.15	85.00	0.02	-36.48
-1.00	0.580	-4.73	12.00	0.186	-14.61	36.50	0.128	-17.86	61.00	0.076	-22.38	85.50	0.01	-37.72
-0.75	0.692	-3.20	12.50	0.120	-18.42	37.00	0.098	-20.18	61.50	0.086	-21.31	86.00	0.01	-38.42
-0.50	0.794	-2.00	13.00	0.063	-24.01	37.50	0.066	-23.61	62.00	0.091	-20.82	86.50	0.01	-39.17
-0.25	0.880	-1.11	13.50	0.024	-32.40	38.00	0.043	-27.33	62.50	0.091	-20.82	87.00	0.01	-40.92
0.00	0.945	-0.49	14.00	0.007	-43.10	38.50	0.045	-26.94	63.00	0.086	-21.31	87.50	0.01	-41.94
0.25	0.986	-0.12	14.50	0.001	-60.00	39.00	0.058	-24.73	63.50	0.079	-22.05	88.00	0.01	-43.10
0.50	1.000	0.00	15.00	0.013	-37.72	39.50	0.068	-23.35	64.00	0.070	-23.10	88.50	0.01	-46.02
0.75	0.987	-0.11	15.50	0.025	-32.04	40.00	0.068	-23.35	64.50	0.064	-23.88	89.00	0.00	-50.46
1.00	0.946	-0.48	16.00	0.029	-30.75	40.50	0.059	-24.58	65.00	0.066	-23.61	89.50	0.00	-53.98
1.25	0.882	-1.09	16.50	0.021	-33.56	41.00	0.042	-27.54	65.50	0.077	-22.27	90.00	0.00	-60.00
1.50	0.796	-1.98	17.00	0.003	-50.46	41.50	0.021	-33.56	66.00	0.095	-20.45			
1.75	0.693	-3.19	17.50	0.027	-31.37	42.00	0.004	-47.96	66.50	0.117	-18.64			
2.00	0.579	-4.75	18.00	0.053	-25.51	42.50	0.021	-33.56	67.00	0.140	-17.08			

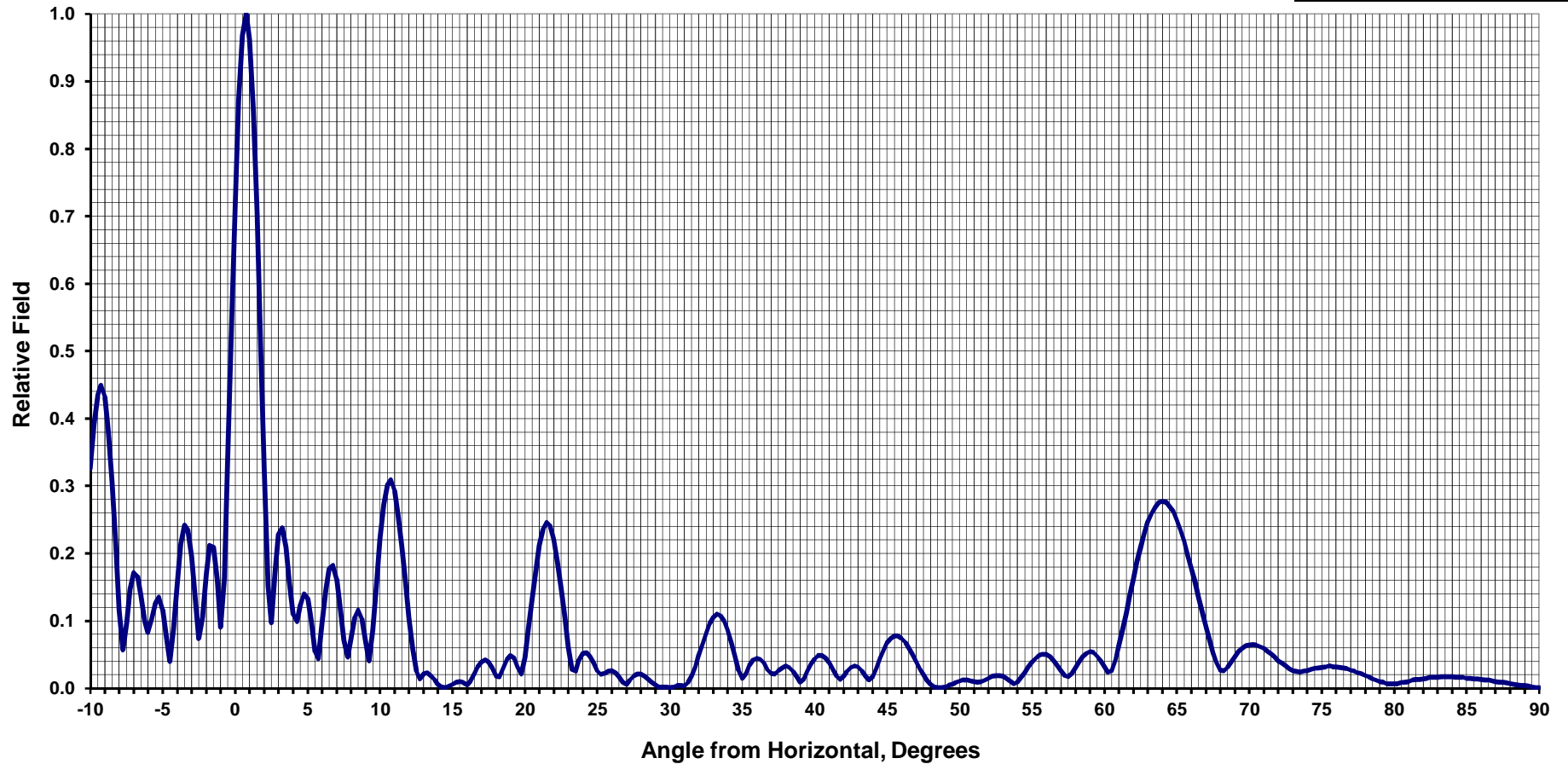
ELEVATION PATTERN

TYPE:	ALP24L3	
Directivity:	Numeric	dBd
Main Lobe:	25.04	(13.99)
Horizontal:	12.98	(11.13)
Beam Tilt:	0.75 degrees	
Polarization:	Horizontal/Vertical	
Channel:		
Location:		



ELEVATION PATTERN

TYPE:	ALP24L3	
Directivity:	Numeric	dBd
Main Lobe:	25.04	13.99
Horizontal:	12.98	11.13
Beam Tilt:	0.75 degrees	
Polarization:	Horizontal/Vertical	
Frequency:		
Location:		



TABULATED DATA FOR ELEVATION PATTERN

TYPE: **ALP24L3**

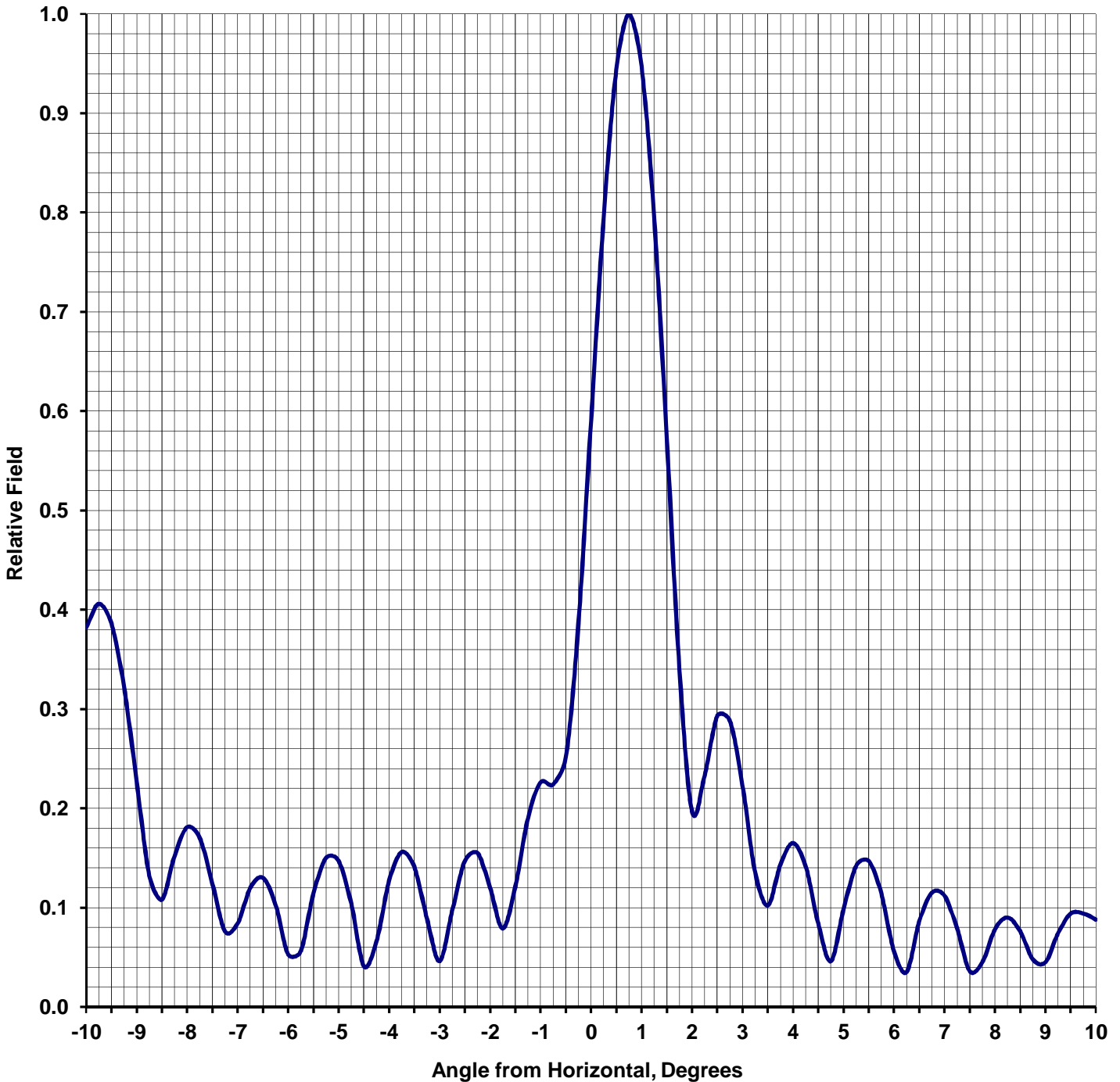
-10 to 10 degrees in 0.25 increments

10 to 90 degrees in 0.50 increments

ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB
-10.00	0.326	-9.74	2.25	0.152	-16.36	18.50	0.030	-30.46	43.00	0.032	-29.90	67.50	0.053	-25.51
-9.75	0.391	-8.16	2.50	0.097	-20.26	19.00	0.049	-26.20	43.50	0.018	-34.89	68.00	0.027	-31.37
-9.50	0.434	-7.25	2.75	0.174	-15.19	19.50	0.032	-29.90	44.00	0.017	-35.39	68.50	0.031	-30.17
-9.25	0.449	-6.96	3.00	0.228	-12.84	20.00	0.046	-26.74	44.50	0.044	-27.13	69.00	0.047	-26.56
-9.00	0.432	-7.29	3.25	0.238	-12.47	20.50	0.133	-17.52	45.00	0.067	-23.48	69.50	0.059	-24.58
-8.75	0.384	-8.31	3.50	0.209	-13.60	21.00	0.212	-13.47	45.50	0.078	-22.16	70.00	0.064	-23.88
-8.50	0.308	-10.23	3.75	0.157	-16.08	21.50	0.246	-12.18	46.00	0.074	-22.62	70.50	0.064	-23.88
-8.25	0.214	-13.39	4.00	0.109	-19.25	22.00	0.221	-13.11	46.50	0.060	-24.44	71.00	0.059	-24.58
-8.00	0.117	-18.64	4.25	0.099	-20.09	22.50	0.149	-16.54	47.00	0.039	-28.18	71.50	0.051	-25.85
-7.75	0.057	-24.88	4.50	0.123	-18.20	23.00	0.062	-24.15	47.50	0.020	-33.98	72.00	0.041	-27.74
-7.50	0.097	-20.26	4.75	0.140	-17.08	23.50	0.025	-32.04	48.00	0.006	-44.44	72.50	0.033	-29.63
-7.25	0.147	-16.65	5.00	0.133	-17.52	24.00	0.052	-25.68	48.50	0.001	-60.00	73.00	0.026	-31.70
-7.00	0.172	-15.29	5.25	0.101	-19.91	24.50	0.047	-26.56	49.00	0.002	-53.98	73.50	0.024	-32.40
-6.75	0.166	-15.60	5.50	0.054	-25.35	25.00	0.026	-31.70	49.50	0.006	-44.44	74.00	0.026	-31.70
-6.50	0.138	-17.20	5.75	0.044	-27.13	25.50	0.022	-33.15	50.00	0.011	-39.17	74.50	0.029	-30.75
-6.25	0.100	-20.00	6.00	0.097	-20.26	26.00	0.026	-31.70	50.50	0.012	-38.42	75.00	0.031	-30.17
-6.00	0.083	-21.62	6.25	0.147	-16.65	26.50	0.017	-35.39	51.00	0.010	-40.00	75.50	0.033	-29.63
-5.75	0.102	-19.83	6.50	0.177	-15.04	27.00	0.006	-44.44	51.50	0.010	-40.00	76.00	0.032	-29.90
-5.50	0.127	-17.92	6.75	0.182	-14.80	27.50	0.018	-34.89	52.00	0.015	-36.48	76.50	0.030	-30.46
-5.25	0.135	-17.39	7.00	0.162	-15.81	28.00	0.021	-33.56	52.50	0.019	-34.42	77.00	0.027	-31.37
-5.00	0.117	-18.64	7.25	0.121	-18.34	28.50	0.014	-37.08	53.00	0.018	-34.89	77.50	0.023	-32.77
-4.75	0.075	-22.50	7.50	0.071	-22.97	29.00	0.005	-46.02	53.50	0.011	-39.17	78.00	0.019	-34.42
-4.50	0.040	-27.96	7.75	0.046	-26.74	29.50	0.002	-53.98	54.00	0.009	-40.92	78.50	0.014	-37.08
-4.25	0.090	-20.92	8.00	0.074	-22.62	30.00	0.001	-60.00	54.50	0.024	-32.40	79.00	0.010	-40.00
-4.00	0.159	-15.97	8.25	0.105	-19.58	30.50	0.004	-47.96	55.00	0.039	-28.18	79.50	0.007	-43.10
-3.75	0.214	-13.39	8.50	0.116	-18.71	31.00	0.003	-50.46	55.50	0.049	-26.20	80.00	0.007	-43.10
-3.50	0.242	-12.32	8.75	0.103	-19.74	31.50	0.018	-34.89	56.00	0.050	-26.02	80.50	0.008	-41.94
-3.25	0.235	-12.58	9.00	0.068	-23.35	32.00	0.048	-26.38	56.50	0.041	-27.74	81.00	0.010	-40.00
-3.00	0.195	-14.20	9.25	0.041	-27.74	32.50	0.082	-21.72	57.00	0.026	-31.70	81.50	0.013	-37.72
-2.75	0.130	-17.72	9.50	0.087	-21.21	33.00	0.105	-19.58	57.50	0.017	-35.39	82.00	0.014	-37.08
-2.50	0.074	-22.62	9.75	0.156	-16.14	33.50	0.108	-19.33	58.00	0.031	-30.17	82.50	0.016	-35.92
-2.25	0.105	-19.58	10.00	0.221	-13.11	34.00	0.087	-21.21	58.50	0.047	-26.56	83.00	0.016	-35.92
-2.00	0.170	-15.39	10.25	0.272	-11.31	34.50	0.048	-26.38	59.00	0.054	-25.35	83.50	0.017	-35.39
-1.75	0.212	-13.47	10.50	0.302	-10.40	35.00	0.015	-36.48	59.50	0.048	-26.38	84.00	0.017	-35.39
-1.50	0.210	-13.56	11.00	0.293	-10.66	35.50	0.034	-29.37	60.00	0.032	-29.90	84.50	0.02	-35.92
-1.25	0.160	-15.92	11.50	0.211	-13.51	36.00	0.045	-26.94	60.50	0.026	-31.70	85.00	0.02	-36.48
-1.00	0.091	-20.82	12.00	0.105	-19.58	36.50	0.037	-28.64	61.00	0.063	-24.01	85.50	0.01	-37.08
-0.75	0.164	-15.70	12.50	0.025	-32.04	37.00	0.022	-33.15	61.50	0.112	-19.02	86.00	0.01	-37.72
-0.50	0.340	-9.37	13.00	0.021	-33.56	37.50	0.026	-31.70	62.00	0.163	-15.76	86.50	0.01	-38.42
-0.25	0.535	-5.43	13.50	0.019	-34.42	38.00	0.033	-29.63	62.50	0.209	-13.60	87.00	0.01	-40.00
0.00	0.720	-2.85	14.00	0.006	-44.44	38.50	0.025	-32.04	63.00	0.246	-12.18	87.50	0.01	-40.92
0.25	0.871	-1.20	14.50	0.001	-60.00	39.00	0.009	-40.92	63.50	0.269	-11.40	88.00	0.01	-43.10
0.50	0.968	-0.28	15.00	0.006	-44.44	39.50	0.025	-32.04	64.00	0.277	-11.15	88.50	0.01	-46.02
0.75	1.000	0.00	15.50	0.010	-40.00	40.00	0.044	-27.13	64.50	0.270	-11.37	89.00	0.00	-47.96
1.00	0.962	-0.34	16.00	0.005	-46.02	40.50	0.049	-26.20	65.00	0.250	-12.04	89.50	0.00	-53.98
1.25	0.859	-1.32	16.50	0.021	-33.56	41.00	0.038	-28.40	65.50	0.218	-13.23	90.00	0.00	-60.00
1.50	0.705	-3.04	17.00	0.039	-28.18	41.50	0.018	-34.89	66.00	0.179	-14.94			
1.75	0.518	-5.71	17.50	0.039	-28.18	42.00	0.018	-34.89	66.50	0.135	-17.39			
2.00	0.324	-9.79	18.00	0.018	-34.89	42.50	0.031	-30.17	67.00	0.092	-20.72			

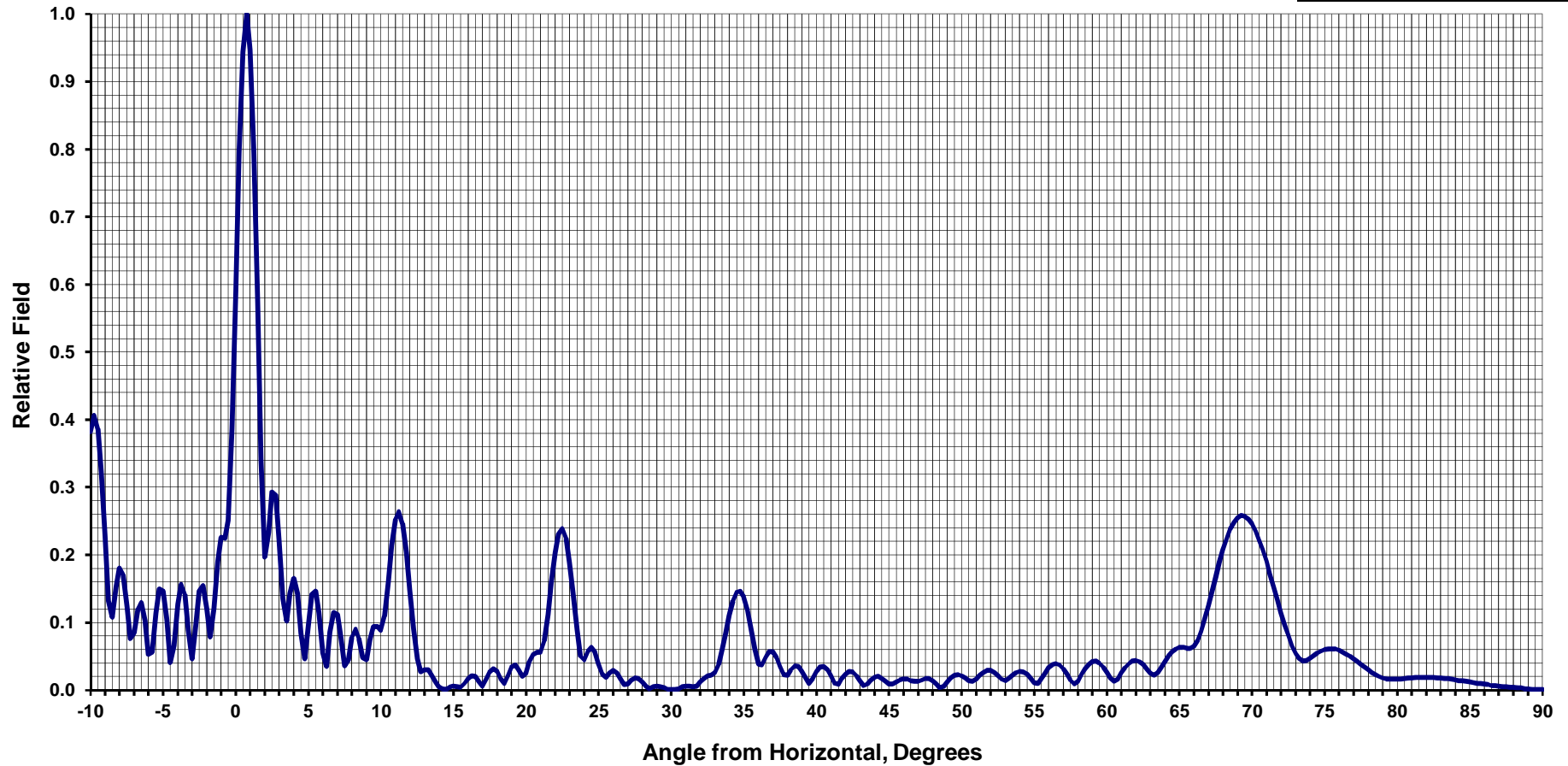
ELEVATION PATTERN

TYPE:	ALP32L3	
Directivity:	Numeric	dBd
Main Lobe:	30.71	(14.87)
Horizontal:	10.69	(10.29)
Beam Tilt:	0.75 degrees	
Polarization:	Horizontal/Vertical	
Channel:		
Location:		



ELEVATION PATTERN

TYPE:	ALP32L3	
Directivity:	Numeric	dBd
Main Lobe:	30.71	14.87
Horizontal:	10.69	10.29
Beam Tilt:	0.75 degrees	
Polarization:	Horizontal/Vertical	
Frequency:		
Location:		



TABULATED DATA FOR ELEVATION PATTERN

TYPE: ALP32L3

-10 to 10 degrees in 0.25 increments

10 to 90 degrees in 0.50 increments

ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB
-10.00	0.382	-8.36	2.25	0.233	-12.65	18.50	0.010	-40.00	43.00	0.014	-37.08	67.50	0.168	-15.49
-9.75	0.406	-7.83	2.50	0.293	-10.66	19.00	0.034	-29.37	43.50	0.009	-40.92	68.00	0.207	-13.68
-9.50	0.386	-8.27	2.75	0.288	-10.81	19.50	0.030	-30.46	44.00	0.019	-34.42	68.50	0.238	-12.47
-9.25	0.322	-9.84	3.00	0.223	-13.03	20.00	0.025	-32.04	44.50	0.017	-35.39	69.00	0.255	-11.87
-9.00	0.227	-12.88	3.25	0.135	-17.39	20.50	0.053	-25.51	45.00	0.009	-40.92	69.50	0.257	-11.80
-8.75	0.132	-17.59	3.50	0.102	-19.83	21.00	0.056	-25.04	45.50	0.012	-38.42	70.00	0.246	-12.18
-8.50	0.108	-19.33	3.75	0.143	-16.89	21.50	0.112	-19.02	46.00	0.016	-35.92	70.50	0.222	-13.07
-8.25	0.152	-16.36	4.00	0.165	-15.65	22.00	0.203	-13.85	46.50	0.014	-37.08	71.00	0.190	-14.42
-8.00	0.181	-14.85	4.25	0.142	-16.95	22.50	0.239	-12.43	47.00	0.013	-37.72	71.50	0.153	-16.31
-7.75	0.170	-15.39	4.50	0.084	-21.51	23.00	0.189	-14.47	47.50	0.017	-35.39	72.00	0.115	-18.79
-7.50	0.124	-18.13	4.75	0.046	-26.74	23.50	0.090	-20.92	48.00	0.014	-37.08	72.50	0.080	-21.94
-7.25	0.076	-22.38	5.00	0.098	-20.18	24.00	0.045	-26.94	48.50	0.003	-50.46	73.00	0.054	-25.35
-7.00	0.084	-21.51	5.25	0.142	-16.95	24.50	0.063	-24.01	49.00	0.012	-38.42	73.50	0.043	-27.33
-6.75	0.120	-18.42	5.50	0.147	-16.65	25.00	0.040	-27.96	49.50	0.022	-33.15	74.00	0.047	-26.56
-6.50	0.130	-17.72	5.75	0.114	-18.86	25.50	0.019	-34.42	50.00	0.021	-33.56	74.50	0.055	-25.19
-6.25	0.103	-19.74	6.00	0.056	-25.04	26.00	0.029	-30.75	50.50	0.014	-37.08	75.00	0.060	-24.44
-6.00	0.053	-25.51	6.25	0.035	-29.12	26.50	0.017	-35.39	51.00	0.016	-35.92	75.50	0.061	-24.29
-5.75	0.056	-25.04	6.50	0.086	-21.31	27.00	0.009	-40.92	51.50	0.026	-31.70	76.00	0.059	-24.58
-5.50	0.114	-18.86	6.75	0.115	-18.79	27.50	0.018	-34.89	52.00	0.029	-30.75	76.50	0.053	-25.51
-5.25	0.150	-16.48	7.00	0.112	-19.02	28.00	0.012	-38.42	52.50	0.021	-33.56	77.00	0.046	-26.74
-5.00	0.147	-16.65	7.25	0.079	-22.05	28.50	0.002	-53.98	53.00	0.014	-37.08	77.50	0.038	-28.40
-4.75	0.104	-19.66	7.50	0.036	-28.87	29.00	0.006	-44.44	53.50	0.022	-33.15	78.00	0.030	-30.46
-4.50	0.041	-27.74	7.75	0.045	-26.94	29.50	0.003	-50.46	54.00	0.028	-31.06	78.50	0.023	-32.77
-4.25	0.066	-23.61	8.00	0.078	-22.16	30.00	0.001	-60.00	54.50	0.024	-32.40	79.00	0.018	-34.89
-4.00	0.127	-17.92	8.25	0.090	-20.92	30.50	0.002	-53.98	55.00	0.011	-39.17	79.50	0.016	-35.92
-3.75	0.156	-16.14	8.50	0.076	-22.38	31.00	0.006	-44.44	55.50	0.017	-35.39	80.00	0.016	-35.92
-3.50	0.141	-17.02	8.75	0.048	-26.38	31.50	0.005	-46.02	56.00	0.033	-29.63	80.50	0.017	-35.39
-3.25	0.089	-21.01	9.00	0.045	-26.94	32.00	0.012	-38.42	56.50	0.039	-28.18	81.00	0.018	-34.89
-3.00	0.046	-26.74	9.25	0.074	-22.62	32.50	0.021	-33.56	57.00	0.032	-29.90	81.50	0.019	-34.42
-2.75	0.097	-20.26	9.50	0.094	-20.54	33.00	0.026	-31.70	57.50	0.015	-36.48	82.00	0.019	-34.42
-2.50	0.147	-16.65	9.75	0.094	-20.54	33.50	0.059	-24.58	58.00	0.013	-37.72	82.50	0.019	-34.42
-2.25	0.155	-16.19	10.00	0.088	-21.11	34.00	0.110	-19.17	58.50	0.032	-29.90	83.00	0.018	-34.89
-2.00	0.120	-18.42	10.25	0.109	-19.25	34.50	0.145	-16.77	59.00	0.042	-27.54	83.50	0.017	-35.39
-1.75	0.079	-22.05	10.50	0.160	-15.92	35.00	0.138	-17.20	59.50	0.040	-27.96	84.00	0.015	-36.48
-1.50	0.121	-18.34	11.00	0.253	-11.94	35.50	0.091	-20.82	60.00	0.026	-31.70	84.50	0.01	-37.08
-1.25	0.190	-14.42	11.50	0.246	-12.18	36.00	0.038	-28.40	60.50	0.013	-37.72	85.00	0.01	-38.42
-1.00	0.226	-12.92	12.00	0.148	-16.59	36.50	0.049	-26.20	61.00	0.025	-32.04	85.50	0.01	-40.00
-0.75	0.224	-13.00	12.50	0.046	-26.74	37.00	0.057	-24.88	61.50	0.039	-28.18	86.00	0.01	-40.92
-0.50	0.251	-12.01	13.00	0.030	-30.46	37.50	0.035	-29.12	62.00	0.044	-27.13	86.50	0.01	-43.10
-0.25	0.386	-8.27	13.50	0.022	-33.15	38.00	0.022	-33.15	62.50	0.038	-28.40	87.00	0.01	-44.44
0.00	0.590	-4.58	14.00	0.005	-46.02	38.50	0.036	-28.87	63.00	0.025	-32.04	87.50	0.01	-46.02
0.25	0.795	-1.99	14.50	0.001	-60.00	39.00	0.028	-31.06	63.50	0.026	-31.70	88.00	0.00	-47.96
0.50	0.944	-0.50	15.00	0.006	-44.44	39.50	0.010	-40.00	64.00	0.042	-27.54	88.50	0.00	-50.46
0.75	1.000	0.00	15.50	0.004	-47.96	40.00	0.028	-31.06	64.50	0.057	-24.88	89.00	0.00	-53.98
1.00	0.947	-0.47	16.00	0.017	-35.39	40.50	0.035	-29.12	65.00	0.063	-24.01	89.50	0.00	-60.00
1.25	0.794	-2.00	16.50	0.020	-33.98	41.00	0.021	-33.56	65.50	0.062	-24.15	90.00	0.00	-60.00
1.50	0.573	-4.84	17.00	0.006	-44.44	41.50	0.008	-41.94	66.00	0.065	-23.74			
1.75	0.341	-9.34	17.50	0.027	-31.37	42.00	0.024	-32.40	66.50	0.087	-21.21			
2.00	0.197	-14.11	18.00	0.028	-31.06	42.50	0.027	-31.37	67.00	0.125	-18.06			