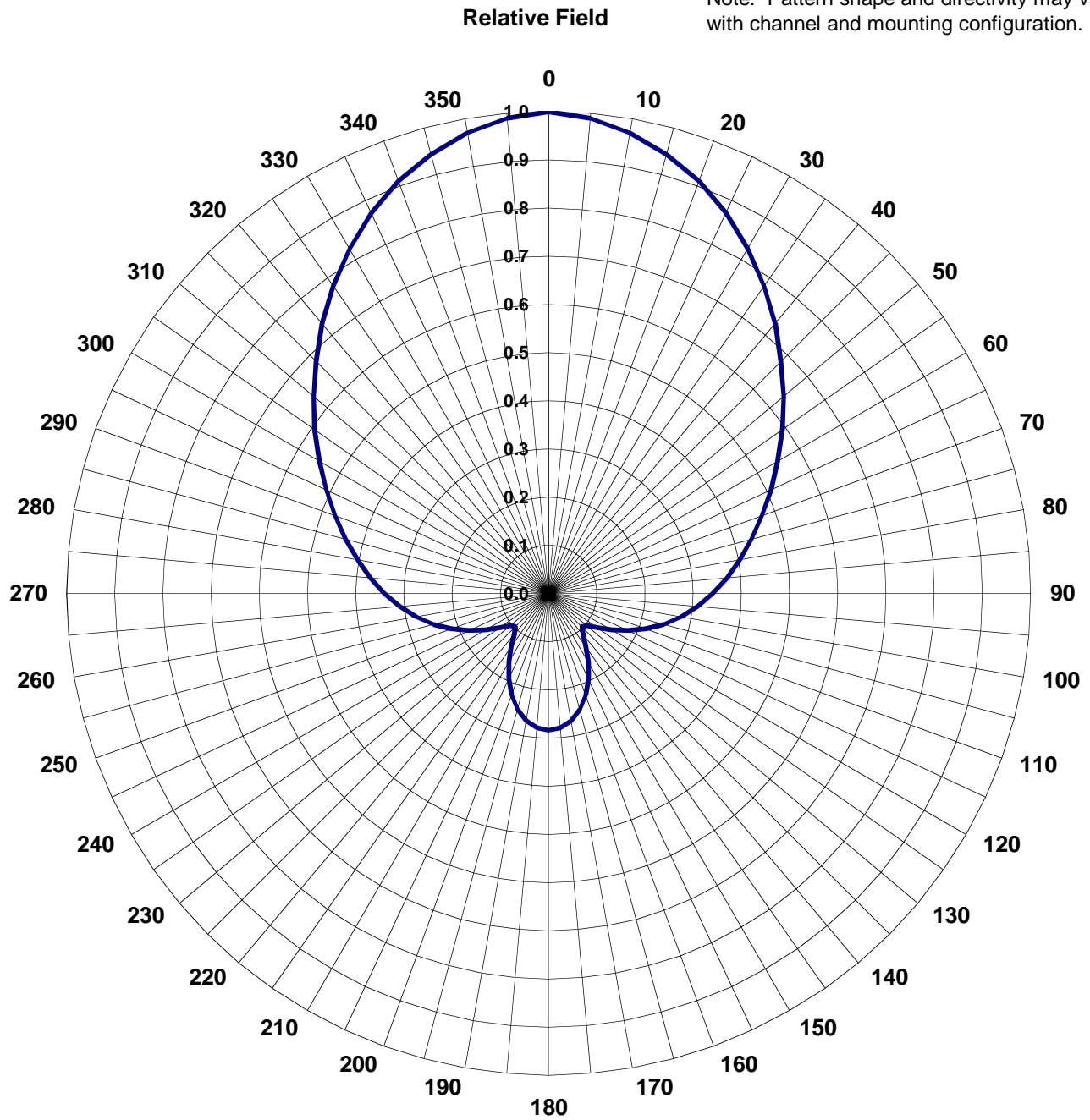


### AZIMUTH PATTERN

<b>TYPE:</b>	<b>AL-N-H</b>	
<b>Directivity:</b>	<b>Numeric</b>	<b>dB</b>
<b>Peak(s) at:</b>	<b>3.54</b>	<b>(5.49)</b>
<b>Polarization:</b>	<b>Horizontal</b>	
<b>Channel:</b>		
<b>Location:</b>		

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



**TABULATED DATA FOR AZIMUTH PATTERN**

**TYPE: AL-N-H**

**POLARIZATION: Horizontal**

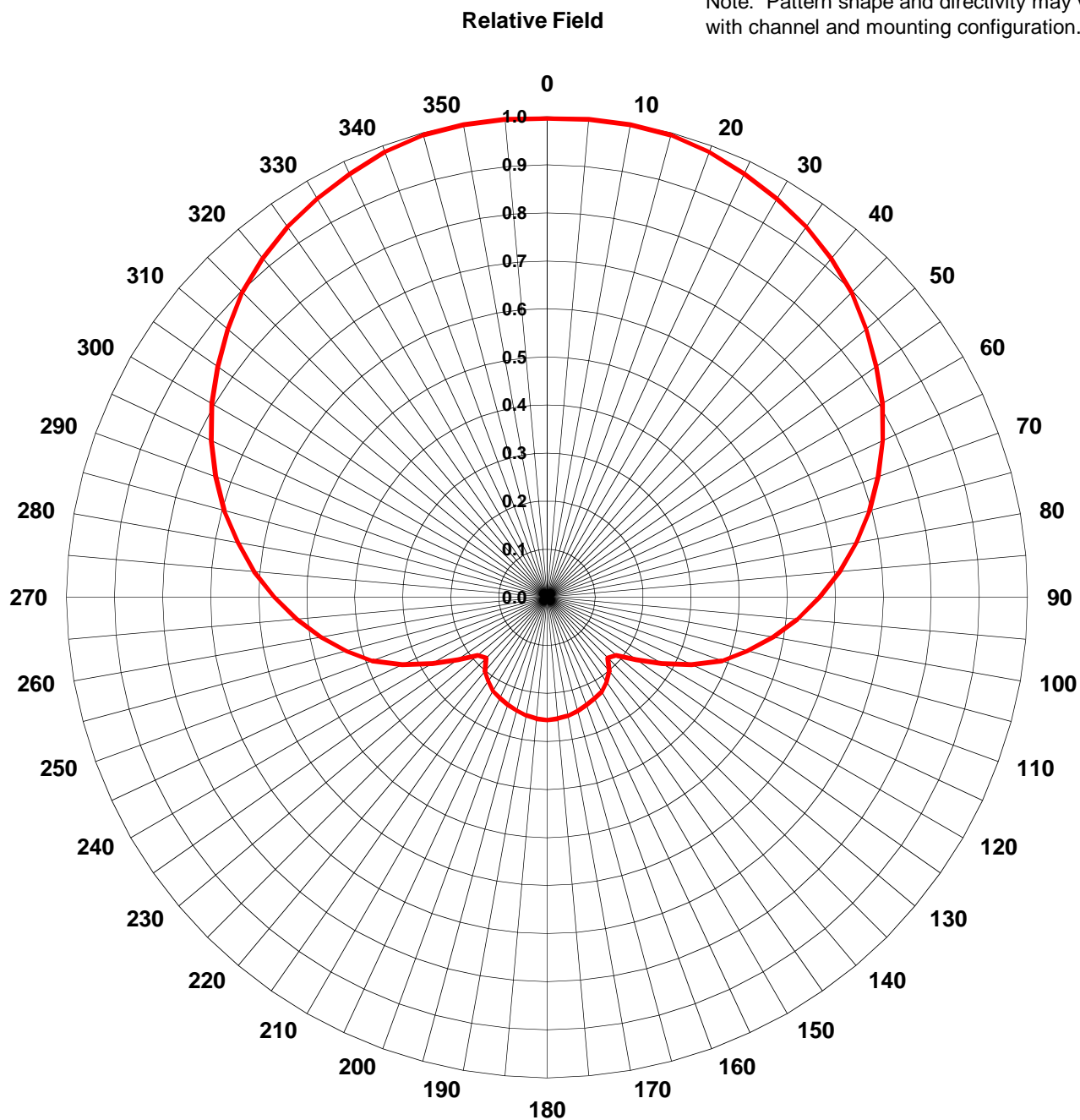
ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB
0	1.000	0.00	92	0.328	-10.29	184	0.281	-12.92	276	0.378	-9.22
2	0.996	-0.03	94	0.314	-10.54	186	0.278	-13.15	278	0.390	-8.95
4	0.993	-0.06	96	0.303	-10.84	188	0.273	-13.47	280	0.403	-8.68
6	0.987	-0.10	98	0.290	-11.09	190	0.268	-13.89	282	0.417	-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**

<b>TYPE:</b>	<b>AL-N-V</b>	
	<b>Numeric</b>	<b>dB</b>
<b>Directivity:</b>	<b>2.34</b>	<b>(3.69)</b>
<b>Peak(s) at:</b>		
<b>Polarization:</b>	<b>Vertical</b>	
<b>Channel:</b>		
<b>Location:</b>		

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



**TABULATED DATA FOR AZIMUTH PATTERN**

**TYPE: AL-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			

