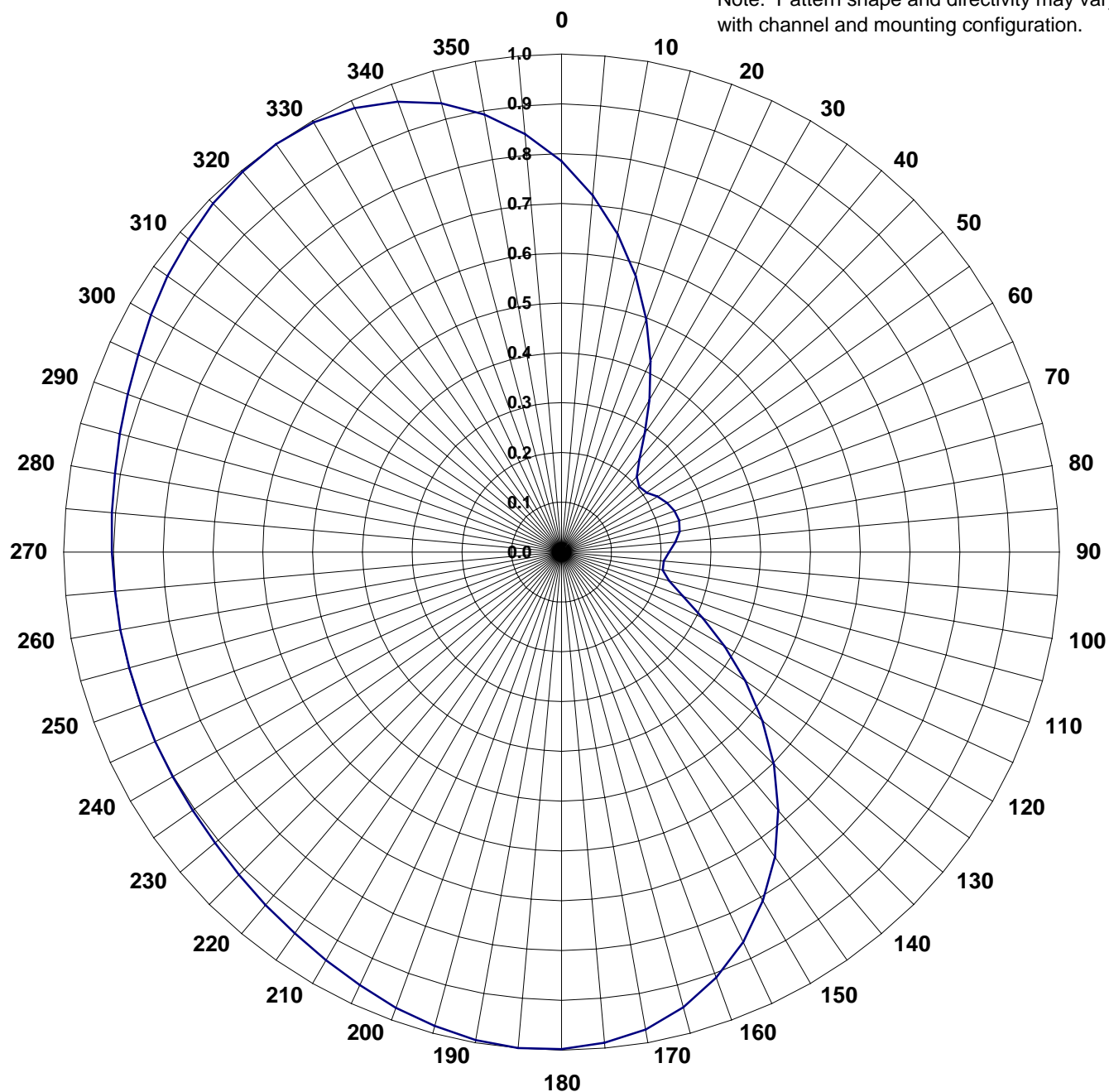


AZIMUTH PATTERN

TYPE:	CH41HAZ-WX	
	Numeric	dB
Directivity:	1.70	(2.30)
Peak(s) at:		
Polarization:	Horizontal	
Channel:	41	
Location:	Chicago, Illinois	

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



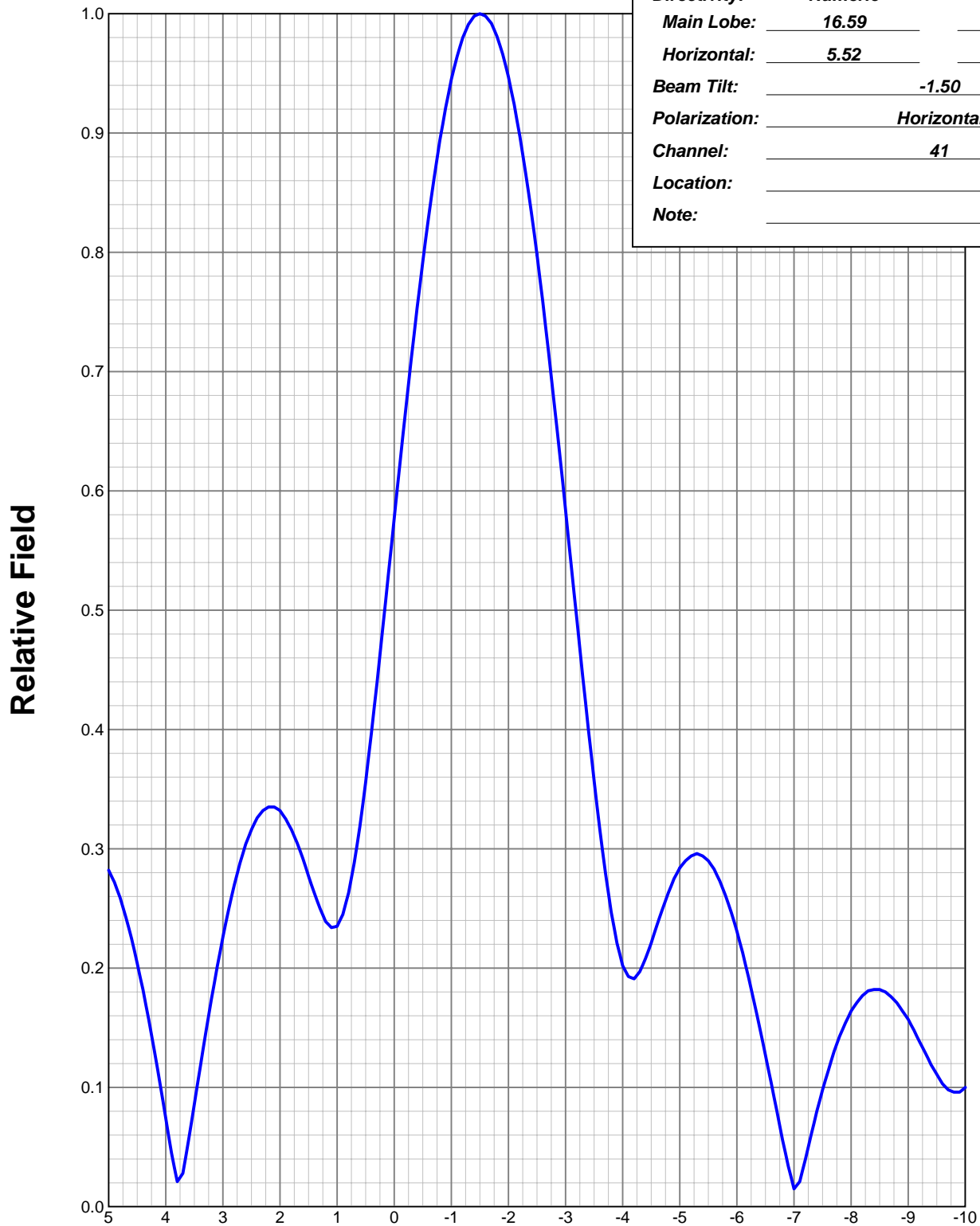
TABULATED DATA FOR AZIMUTH PATTERN**TYPE: CH41HAZ-WX**

ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB
0	0.785	-2.10	92	0.211	-13.51	184	1.000	0.00	276	0.907	-0.85
2	0.760	-2.38	94	0.207	-13.68	186	0.999	-0.01	278	0.909	-0.83
4	0.733	-2.70	96	0.205	-13.76	188	0.997	-0.03	280	0.911	-0.81
6	0.706	-3.02	98	0.204	-13.81	190	0.995	-0.04	282	0.914	-0.78
8	0.677	-3.39	100	0.206	-13.72	192	0.992	-0.07	284	0.917	-0.75
10	0.648	-3.77	102	0.210	-13.56	194	0.988	-0.10	286	0.920	-0.72
12	0.619	-4.17	104	0.218	-13.23	196	0.983	-0.15	288	0.924	-0.69
14	0.588	-4.61	106	0.229	-12.80	198	0.978	-0.19	290	0.928	-0.65
16	0.558	-5.07	108	0.243	-12.29	200	0.973	-0.24	292	0.932	-0.61
18	0.527	-5.56	110	0.260	-11.70	202	0.968	-0.28	294	0.936	-0.57
20	0.497	-6.07	112	0.280	-11.06	204	0.963	-0.33	296	0.941	-0.53
22	0.466	-6.63	114	0.302	-10.40	206	0.957	-0.38	298	0.946	-0.48
24	0.437	-7.19	116	0.326	-9.74	208	0.952	-0.43	300	0.952	-0.43
26	0.407	-7.81	118	0.352	-9.07	210	0.946	-0.48	302	0.957	-0.38
28	0.379	-8.43	120	0.379	-8.43	212	0.941	-0.53	304	0.963	-0.33
30	0.352	-9.07	122	0.407	-7.81	214	0.936	-0.57	306	0.968	-0.28
32	0.326	-9.74	124	0.437	-7.19	216	0.932	-0.61	308	0.973	-0.24
34	0.302	-10.40	126	0.466	-6.63	218	0.928	-0.65	310	0.978	-0.19
36	0.280	-11.06	128	0.497	-6.07	220	0.924	-0.69	312	0.983	-0.15
38	0.260	-11.70	130	0.527	-5.56	222	0.920	-0.72	314	0.988	-0.10
40	0.243	-12.29	132	0.558	-5.07	224	0.917	-0.75	316	0.992	-0.07
42	0.229	-12.80	134	0.588	-4.61	226	0.914	-0.78	318	0.995	-0.04
44	0.218	-13.23	136	0.619	-4.17	228	0.911	-0.81	320	0.997	-0.03
46	0.210	-13.56	138	0.648	-3.77	230	0.909	-0.83	322	0.999	-0.01
48	0.206	-13.72	140	0.677	-3.39	232	0.907	-0.85	324	1.000	0.00
50	0.204	-13.81	142	0.706	-3.02	234	0.905	-0.87	326	1.000	0.00
52	0.205	-13.76	144	0.733	-2.70	236	0.904	-0.88	328	0.998	-0.02
54	0.207	-13.68	146	0.760	-2.38	238	0.903	-0.89	330	0.996	-0.03
56	0.211	-13.51	148	0.785	-2.10	240	0.902	-0.90	332	0.992	-0.07
58	0.216	-13.31	150	0.809	-1.84	242	0.901	-0.91	334	0.987	-0.11
60	0.222	-13.07	152	0.832	-1.60	244	0.900	-0.92	336	0.981	-0.17
62	0.227	-12.88	154	0.854	-1.37	246	0.900	-0.92	338	0.973	-0.24
64	0.232	-12.69	156	0.874	-1.17	248	0.900	-0.92	340	0.963	-0.33
66	0.236	-12.54	158	0.893	-0.98	250	0.899	-0.92	342	0.952	-0.43
68	0.240	-12.40	160	0.910	-0.82	252	0.899	-0.92	344	0.940	-0.54
70	0.242	-12.32	162	0.925	-0.68	254	0.899	-0.92	346	0.925	-0.68
72	0.244	-12.25	164	0.940	-0.54	256	0.899	-0.92	348	0.910	-0.82
74	0.245	-12.22	166	0.952	-0.43	258	0.899	-0.92	350	0.893	-0.98
76	0.244	-12.25	168	0.963	-0.33	260	0.900	-0.92	352	0.874	-1.17
78	0.242	-12.32	170	0.973	-0.24	262	0.900	-0.92	354	0.854	-1.37
80	0.240	-12.40	172	0.981	-0.17	264	0.900	-0.92	356	0.832	-1.60
82	0.236	-12.54	174	0.987	-0.11	266	0.901	-0.91	358	0.809	-1.84
84	0.232	-12.69	176	0.992	-0.07	268	0.902	-0.90	360	0.785	-2.10
86	0.227	-12.88	178	0.996	-0.03	270	0.903	-0.89			
88	0.222	-13.07	180	0.998	-0.02	272	0.904	-0.88			
90	0.216	-13.31	182	1.000	0.00	274	0.905	-0.87			



ELEVATION PATTERN

Type:	ALP16M6	
Directivity:	Numeric	dBd
Main Lobe:	16.59	12.20
Horizontal:	5.52	7.42
Beam Tilt:	-1.50	
Polarization:	Horizontal	
Channel:	41	
Location:		
Note:		



Electronics Research, Inc.
7777 Gardner Road
Chandler, Indiana U.S.A 47610



ELEVATION TABULATED DATA

Type: ALP16M6

Polarization: Horizontal

Angle	Field	dB	Angle	Field	dB	Angle	Field	dB	Angle	Field	dB
5.00	0.282	-11.00	-6.50	0.127	-17.92	-42.00	0.051	-25.85	-88.00	0.012	-38.42
4.75	0.251	-12.01	-6.75	0.068	-23.35	-43.00	0.014	-37.08	-89.00	0.006	-44.44
4.50	0.204	-13.81	-7.00	0.015	-36.48	-44.00	0.019	-34.42	-90.00	0.000	-40.00
4.25	0.144	-16.83	-7.25	0.050	-26.02	-45.00	0.032	-29.90			
4.00	0.074	-22.62	-7.50	0.098	-20.18	-46.00	0.025	-32.04			
3.75	0.025	-32.22	-7.75	0.137	-17.30	-47.00	0.011	-39.17			
3.50	0.086	-21.31	-8.00	0.164	-15.70	-48.00	0.006	-44.44			
3.25	0.160	-15.92	-8.25	0.179	-14.94	-49.00	0.008	-41.94			
3.00	0.226	-12.92	-8.50	0.182	-14.80	-50.00	0.037	-28.64			
2.75	0.279	-11.09	-8.75	0.173	-15.21	-51.00	0.072	-22.85			
2.50	0.316	-10.01	-9.00	0.157	-16.08	-52.00	0.096	-20.35			
2.25	0.334	-9.54	-9.25	0.134	-17.49	-53.00	0.098	-20.18			
2.00	0.332	-9.58	-9.50	0.111	-19.09	-54.00	0.077	-22.27			
1.75	0.310	-10.16	-9.75	0.097	-20.26	-55.00	0.047	-26.56			
1.50	0.277	-11.15	-10.00	0.100	-20.00	-56.00	0.047	-26.56			
1.25	0.244	-12.23	-11.00	0.189	-14.47	-57.00	0.072	-22.85			
1.00	0.235	-12.58	-12.00	0.197	-14.11	-58.00	0.085	-21.41			
0.75	0.275	-11.20	-13.00	0.109	-19.25	-59.00	0.075	-22.50			
0.50	0.356	-8.97	-14.00	0.021	-33.56	-60.00	0.044	-27.13			
0.25	0.463	-6.70	-15.00	0.008	-41.94	-61.00	0.005	-46.02			
0.00	0.577	-4.78	-16.00	0.034	-29.37	-62.00	0.043	-27.33			
-0.25	0.690	-3.23	-17.00	0.047	-26.56	-63.00	0.076	-22.38			
-0.50	0.792	-2.03	-18.00	0.007	-43.10	-64.00	0.094	-20.54			
-0.75	0.879	-1.13	-19.00	0.058	-24.73	-65.00	0.094	-20.54			
-1.00	0.945	-0.49	-20.00	0.081	-21.83	-66.00	0.079	-22.05			
-1.25	0.986	-0.13	-21.00	0.058	-24.73	-67.00	0.065	-23.74			
-1.50	1.000	0.00	-22.00	0.130	-17.72	-68.00	0.072	-22.85			
-1.75	0.986	-0.12	-23.00	0.210	-13.56	-69.00	0.103	-19.74			
-2.00	0.947	-0.47	-24.00	0.214	-13.39	-70.00	0.140	-17.08			
-2.25	0.882	-1.09	-25.00	0.144	-16.83	-71.00	0.172	-15.29			
-2.50	0.798	-1.96	-26.00	0.056	-25.04	-72.00	0.195	-14.20			
-2.75	0.696	-3.15	-27.00	0.030	-30.46	-73.00	0.208	-13.64			
-3.00	0.584	-4.67	-28.00	0.029	-30.75	-74.00	0.210	-13.56			
-3.25	0.468	-6.60	-29.00	0.010	-40.00	-75.00	0.204	-13.81			
-3.50	0.357	-8.95	-30.00	0.000	-40.00	-76.00	0.191	-14.38			
-3.75	0.263	-11.60	-31.00	0.011	-39.17	-77.00	0.174	-15.19			
-4.00	0.202	-13.89	-32.00	0.025	-32.04	-78.00	0.154	-16.25			
-4.25	0.194	-14.24	-33.00	0.025	-32.04	-79.00	0.133	-17.52			
-4.50	0.221	-13.11	-34.00	0.059	-24.58	-80.00	0.113	-18.94			
-4.75	0.257	-11.82	-35.00	0.125	-18.06	-81.00	0.093	-20.63			
-5.00	0.284	-10.93	-36.00	0.174	-15.19	-82.00	0.076	-22.38			
-5.25	0.295	-10.60	-37.00	0.175	-15.14	-83.00	0.061	-24.29			
-5.50	0.290	-10.75	-38.00	0.125	-18.06	-84.00	0.048	-26.38			
-5.75	0.267	-11.47	-39.00	0.058	-24.73	-85.00	0.037	-28.64			
-6.00	0.231	-12.73	-40.00	0.049	-26.20	-86.00	0.027	-31.37			
-6.25	0.182	-14.77	-41.00	0.066	-23.61	-87.00	0.019	-34.42			

