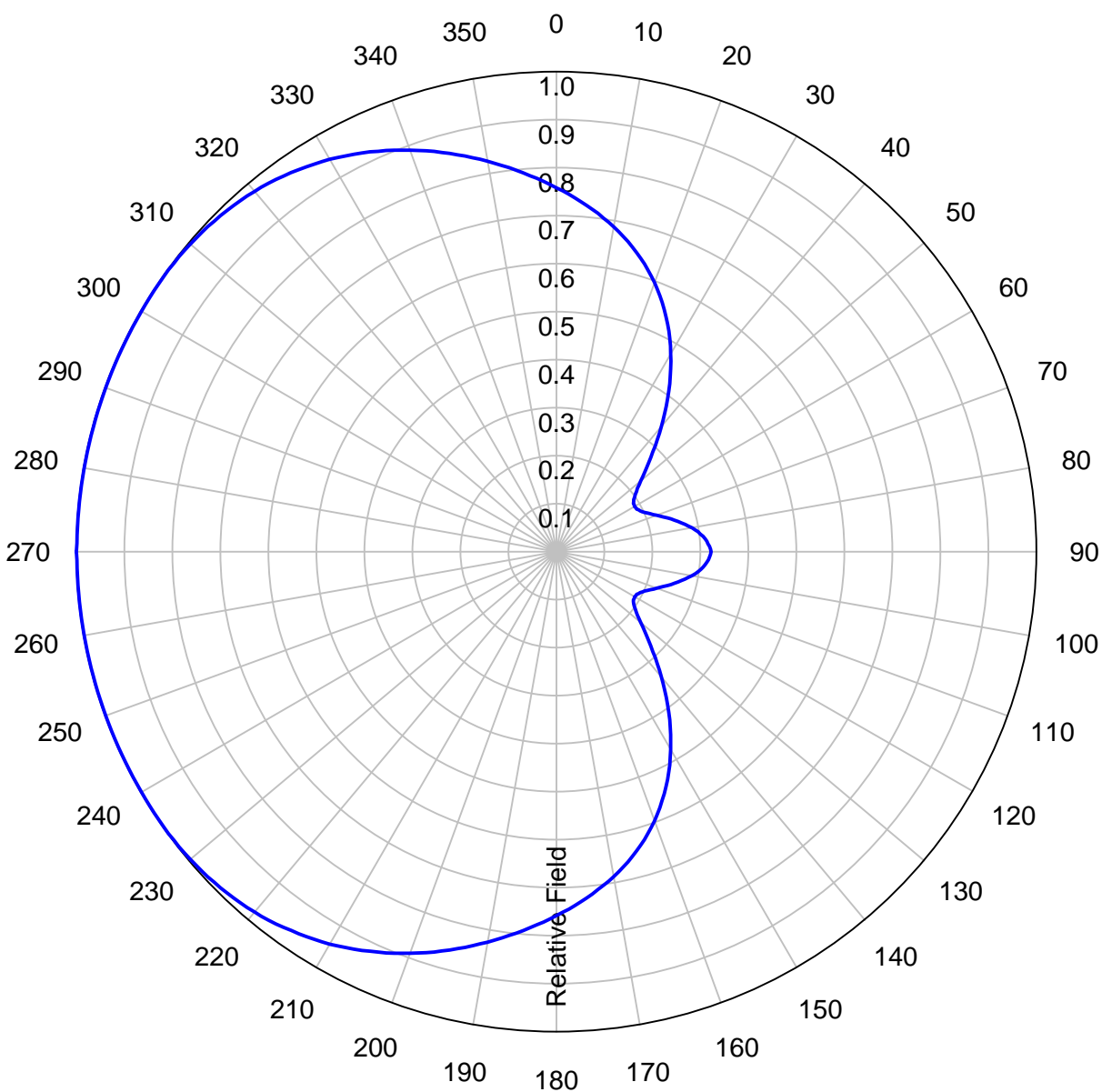


AZIMUTH PATTERN**Type:****ALP-E****Channel:****51****Directivity:****Numeric****dBd****1.86****2.70****Peak(s) at:****Location:****Polarization:****Horizontal**

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



TABULATED DATA FOR AZIMUTH PATTERN

Type: ALP-E

PolarizationHorizontal

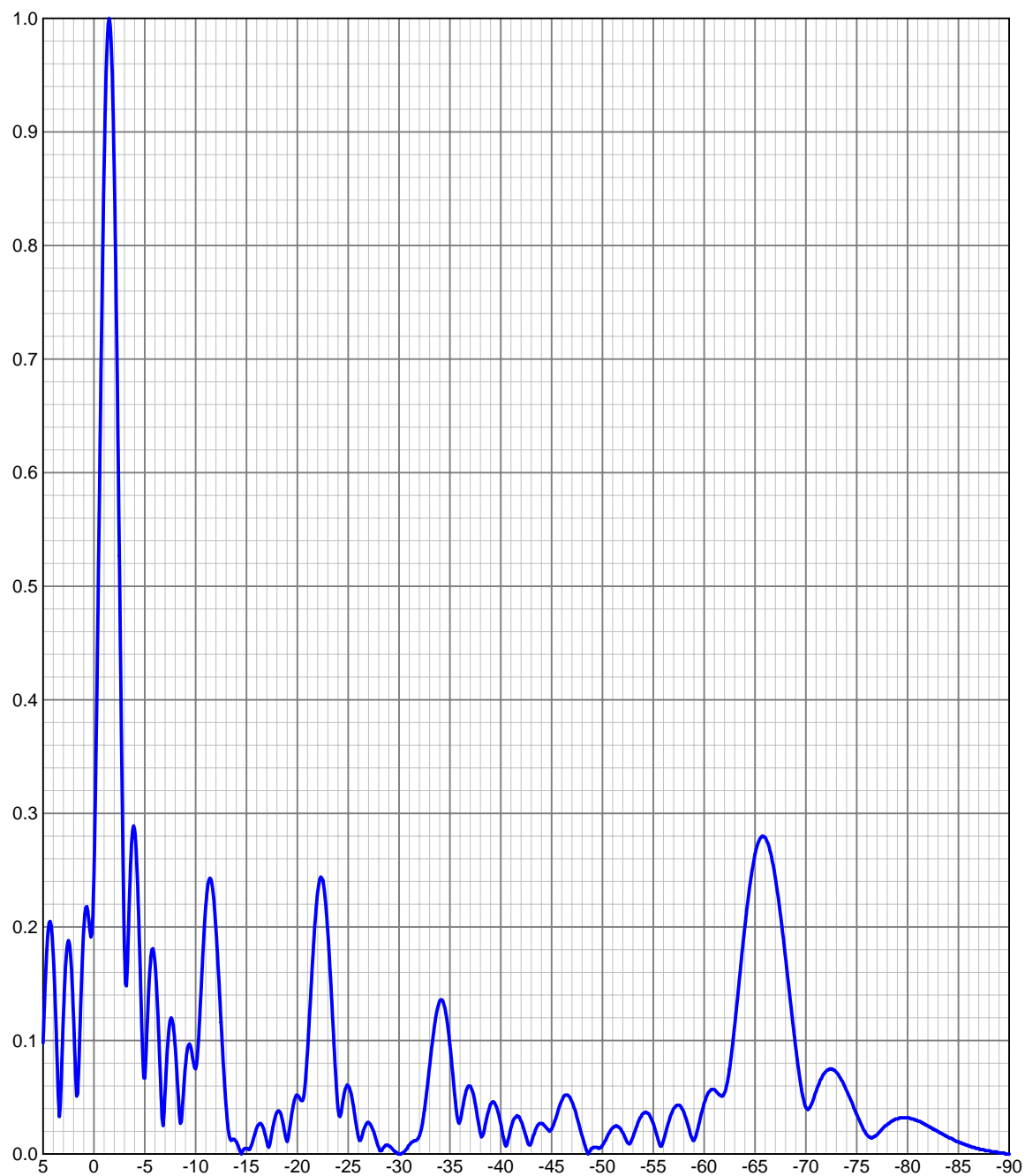
ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB
0	0.758	-2.41	92	0.319	-9.92	184	0.785	-2.10	276	0.999	-0.01
2	0.745	-2.56	94	0.314	-10.06	186	0.799	-1.95	278	0.999	-0.01
4	0.731	-2.72	96	0.307	-10.26	188	0.812	-1.81	280	0.999	-0.01
6	0.717	-2.89	98	0.298	-10.52	190	0.826	-1.66	282	0.999	-0.01
8	0.702	-3.07	100	0.287	-10.84	192	0.839	-1.52	284	0.999	-0.01
10	0.687	-3.26	102	0.274	-11.24	194	0.852	-1.39	286	0.999	-0.01
12	0.671	-3.47	104	0.261	-11.67	196	0.865	-1.26	288	0.999	-0.01
14	0.654	-3.69	106	0.248	-12.11	198	0.878	-1.13	290	0.999	-0.01
16	0.636	-3.93	108	0.234	-12.62	200	0.890	-1.01	292	0.999	-0.01
18	0.617	-4.19	110	0.222	-13.07	202	0.902	-0.90	294	0.999	-0.01
20	0.597	-4.48	112	0.211	-13.51	204	0.913	-0.79	296	0.999	-0.01
22	0.575	-4.81	114	0.201	-13.94	206	0.924	-0.69	298	0.999	-0.01
24	0.552	-5.16	116	0.194	-14.24	208	0.934	-0.59	300	0.999	-0.01
26	0.528	-5.55	118	0.189	-14.47	210	0.944	-0.50	302	0.999	-0.01
28	0.503	-5.97	120	0.188	-14.52	212	0.952	-0.43	304	0.999	-0.01
30	0.476	-6.45	122	0.189	-14.47	214	0.960	-0.35	306	0.999	-0.01
32	0.449	-6.96	124	0.194	-14.24	216	0.967	-0.29	308	0.998	-0.02
34	0.422	-7.49	126	0.203	-13.85	218	0.974	-0.23	310	0.996	-0.03
36	0.394	-8.09	128	0.214	-13.39	220	0.979	-0.18	312	0.994	-0.05
38	0.366	-8.73	130	0.229	-12.80	222	0.984	-0.14	314	0.991	-0.08
40	0.340	-9.37	132	0.247	-12.15	224	0.988	-0.10	316	0.988	-0.10
42	0.314	-10.06	134	0.267	-11.47	226	0.991	-0.08	318	0.984	-0.14
44	0.289	-10.78	136	0.289	-10.78	228	0.994	-0.05	320	0.979	-0.18
46	0.267	-11.47	138	0.314	-10.06	230	0.996	-0.03	322	0.974	-0.23
48	0.247	-12.15	140	0.340	-9.37	232	0.998	-0.02	324	0.967	-0.29
50	0.229	-12.80	142	0.366	-8.73	234	0.999	-0.01	326	0.960	-0.35
52	0.214	-13.39	144	0.394	-8.09	236	0.999	-0.01	328	0.952	-0.43
54	0.203	-13.85	146	0.422	-7.49	238	0.999	-0.01	330	0.944	-0.50
56	0.194	-14.24	148	0.449	-6.96	240	0.999	-0.01	332	0.934	-0.59
58	0.189	-14.47	150	0.476	-6.45	242	0.999	-0.01	334	0.924	-0.69
60	0.188	-14.52	152	0.503	-5.97	244	0.999	-0.01	336	0.913	-0.79
62	0.189	-14.47	154	0.528	-5.55	246	0.999	-0.01	338	0.902	-0.90
64	0.194	-14.24	156	0.552	-5.16	248	0.999	-0.01	340	0.890	-1.01
66	0.201	-13.94	158	0.575	-4.81	250	0.999	-0.01	342	0.878	-1.13
68	0.211	-13.51	160	0.597	-4.48	252	0.999	-0.01	344	0.865	-1.26
70	0.222	-13.07	162	0.617	-4.19	254	0.999	-0.01	346	0.852	-1.39
72	0.234	-12.62	164	0.636	-3.93	256	0.999	-0.01	348	0.839	-1.52
74	0.248	-12.11	166	0.654	-3.69	258	0.999	-0.01	350	0.826	-1.66
76	0.261	-11.67	168	0.671	-3.47	260	0.999	-0.01	352	0.812	-1.81
78	0.274	-11.24	170	0.687	-3.26	262	0.999	-0.01	354	0.799	-1.95
80	0.287	-10.84	172	0.702	-3.07	264	0.999	-0.01	356	0.785	-2.10
82	0.298	-10.52	174	0.717	-2.89	266	0.999	-0.01	358	0.772	-2.25
84	0.307	-10.26	176	0.731	-2.72	268	0.999	-0.01	360	0.758	-2.41
86	0.314	-10.06	178	0.745	-2.56	270	1.000	0.00			
88	0.319	-9.92	180	0.758	-2.41	272	0.999	-0.01			
90	0.322	-9.84	182	0.772	-2.25	274	0.999	-0.01			

TABULATED DATA FOR AZIMUTH PATTERN FCC FILING FORMAT

Type: ALP-E

PolarizationHorizontal

ANGLE	FIELD	ERP (kW)	ERP (dBk)
0	0.758	9.395	9.729
10	0.687	7.717	8.875
20	0.597	5.828	7.655
30	0.476	3.705	5.688
40	0.340	1.890	2.765
50	0.229	0.857	-0.668
60	0.188	0.578	-2.381
70	0.222	0.806	-0.937
80	0.287	1.347	1.293
90	0.322	1.695	2.293
100	0.287	1.347	1.293
110	0.222	0.806	-0.937
120	0.188	0.578	-2.381
130	0.229	0.857	-0.668
140	0.340	1.890	2.765
150	0.476	3.705	5.688
160	0.597	5.828	7.655
170	0.687	7.717	8.875
180	0.758	9.395	9.729
190	0.826	11.156	10.475
200	0.890	12.952	11.123
210	0.944	14.571	11.635
220	0.979	15.672	11.951
230	0.996	16.221	12.101
240	0.999	16.319	12.127
250	0.999	16.319	12.127
260	0.999	16.319	12.127
270	1.000	16.352	12.136
280	0.999	16.319	12.127
290	0.999	16.319	12.127
300	0.999	16.319	12.127
310	0.996	16.221	12.101
320	0.979	15.672	11.951
330	0.944	14.571	11.635
340	0.890	12.952	11.123
350	0.826	11.156	10.475

ELEVATION PATTERN**Type:****ALP24L6****Channel:****51****Directivity:****Numeric****dBd****Location:****Main Lobe:****25.21****14.02****Beam Tilt:****-1.50****Horizontal:****1.50****1.76****Polarization:****Horizontal****Relative Field**

TABULATED DATA FOR ELEVATION PATTERN

Type: ALP24L6

PolarizationHorizontal

ANGLEFIELD	dB	ANGLEFIELD	dB	ANGLEFIELD	dB	ANGLEFIELD	dB	ANGLEFIELD	dB
5.00	0.098	-20.18	-6.75	0.029	-30.90	-27.00	0.028	-31.06	-50.50
4.75	0.158	-16.05	-7.00	0.055	-25.19	-27.50	0.020	-33.98	-51.00
4.50	0.197	-14.11	-7.25	0.096	-20.40	-28.00	0.006	-44.44	-51.50
4.25	0.203	-13.85	-7.50	0.118	-18.56	-28.50	0.006	-44.44	-52.00
4.00	0.176	-15.09	-7.75	0.116	-18.75	-29.00	0.007	-43.10	-52.50
3.75	0.120	-18.45	-8.00	0.094	-20.54	-29.50	0.003	-50.46	-53.00
3.50	0.050	-26.02	-8.25	0.058	-24.81	-30.00	0.000	-40.00	-53.50
3.25	0.056	-25.04	-8.50	0.027	-31.37	-30.50	0.002	-53.98	-54.00
3.00	0.122	-18.27	-8.75	0.048	-26.47	-31.00	0.008	-41.94	-54.50
2.75	0.171	-15.37	-9.00	0.078	-22.16	-31.50	0.012	-38.42	-55.00
2.50	0.188	-14.52	-9.25	0.095	-20.49	-32.00	0.016	-35.92	-55.50
2.25	0.169	-15.44	-9.50	0.095	-20.45	-32.50	0.039	-28.18	-56.00
2.00	0.120	-18.42	-9.75	0.083	-21.67	-33.00	0.077	-22.27	-56.50
1.75	0.060	-24.44	-10.00	0.075	-22.50	-33.50	0.114	-18.86	-57.00
1.50	0.074	-22.62	-10.50	0.138	-17.20	-34.00	0.135	-17.39	-57.50
1.25	0.144	-16.86	-11.00	0.219	-13.19	-34.50	0.129	-17.79	-58.00
1.00	0.198	-14.07	-11.50	0.242	-12.32	-35.00	0.096	-20.35	-58.50
0.75	0.218	-13.25	-12.00	0.198	-14.07	-35.50	0.050	-26.02	-59.00
0.50	0.206	-13.72	-12.50	0.116	-18.71	-36.00	0.029	-30.75	-59.50
0.25	0.193	-14.31	-13.00	0.042	-27.54	-36.50	0.052	-25.68	-60.00
0.00	0.244	-12.25	-13.50	0.012	-38.42	-37.00	0.060	-24.44	-60.50
-0.25	0.379	-8.42	-14.00	0.011	-39.17	-37.50	0.044	-27.13	-61.00
-0.50	0.551	-5.18	-14.50	0.000	-40.00	-38.00	0.018	-34.89	-61.50
-0.75	0.724	-2.81	-15.00	0.005	-46.02	-38.50	0.027	-31.37	-62.00
-1.00	0.869	-1.22	-15.50	0.008	-41.94	-39.00	0.044	-27.13	-62.50
-1.25	0.965	-0.31	-16.00	0.023	-32.77	-39.50	0.043	-27.33	-63.00
-1.50	1.000	0.00	-16.50	0.026	-31.70	-40.00	0.027	-31.37	-63.50
-1.75	0.964	-0.32	-17.00	0.011	-39.17	-40.50	0.007	-43.10	-64.00
-2.00	0.865	-1.26	-17.50	0.019	-34.42	-41.00	0.023	-32.77	-64.50
-2.25	0.713	-2.94	-18.00	0.037	-28.64	-41.50	0.033	-29.63	-65.00
-2.50	0.527	-5.56	-18.50	0.031	-30.17	-42.00	0.029	-30.75	-65.50
-2.75	0.336	-9.47	-19.00	0.011	-39.17	-42.50	0.015	-36.48	-66.00
-3.00	0.181	-14.85	-19.50	0.038	-28.40	-43.00	0.010	-40.00	-66.50
-3.25	0.158	-16.03	-20.00	0.052	-25.68	-43.50	0.023	-32.77	-67.00
-3.50	0.228	-12.84	-20.50	0.047	-26.56	-44.00	0.027	-31.37	-67.50
-3.75	0.279	-11.09	-21.00	0.090	-20.92	-44.50	0.023	-32.77	-68.00
-4.00	0.286	-10.87	-21.50	0.170	-15.39	-45.00	0.022	-33.15	-68.50
-4.25	0.248	-12.13	-22.00	0.231	-12.73	-45.50	0.034	-29.37	-69.00
-4.50	0.179	-14.94	-22.50	0.241	-12.36	-46.00	0.047	-26.56	-69.50
-4.75	0.100	-20.00	-23.00	0.195	-14.20	-46.50	0.052	-25.68	-70.00
-5.00	0.067	-23.48	-23.50	0.115	-18.79	-47.00	0.046	-26.74	-70.50
-5.25	0.116	-18.71	-24.00	0.040	-27.96	-47.50	0.032	-29.90	-71.00
-5.50	0.162	-15.81	-24.50	0.048	-26.38	-48.00	0.016	-35.92	-71.50
-5.75	0.181	-14.87	-25.00	0.060	-24.44	-48.50	0.002	-53.98	-72.00
-6.00	0.169	-15.44	-25.50	0.043	-27.33	-49.00	0.005	-46.02	-72.50
-6.25	0.131	-17.69	-26.00	0.015	-36.48	-49.50	0.006	-44.44	-73.00
-6.50	0.076	-22.38	-26.50	0.021	-33.56	-50.00	0.008	-41.94	-73.50