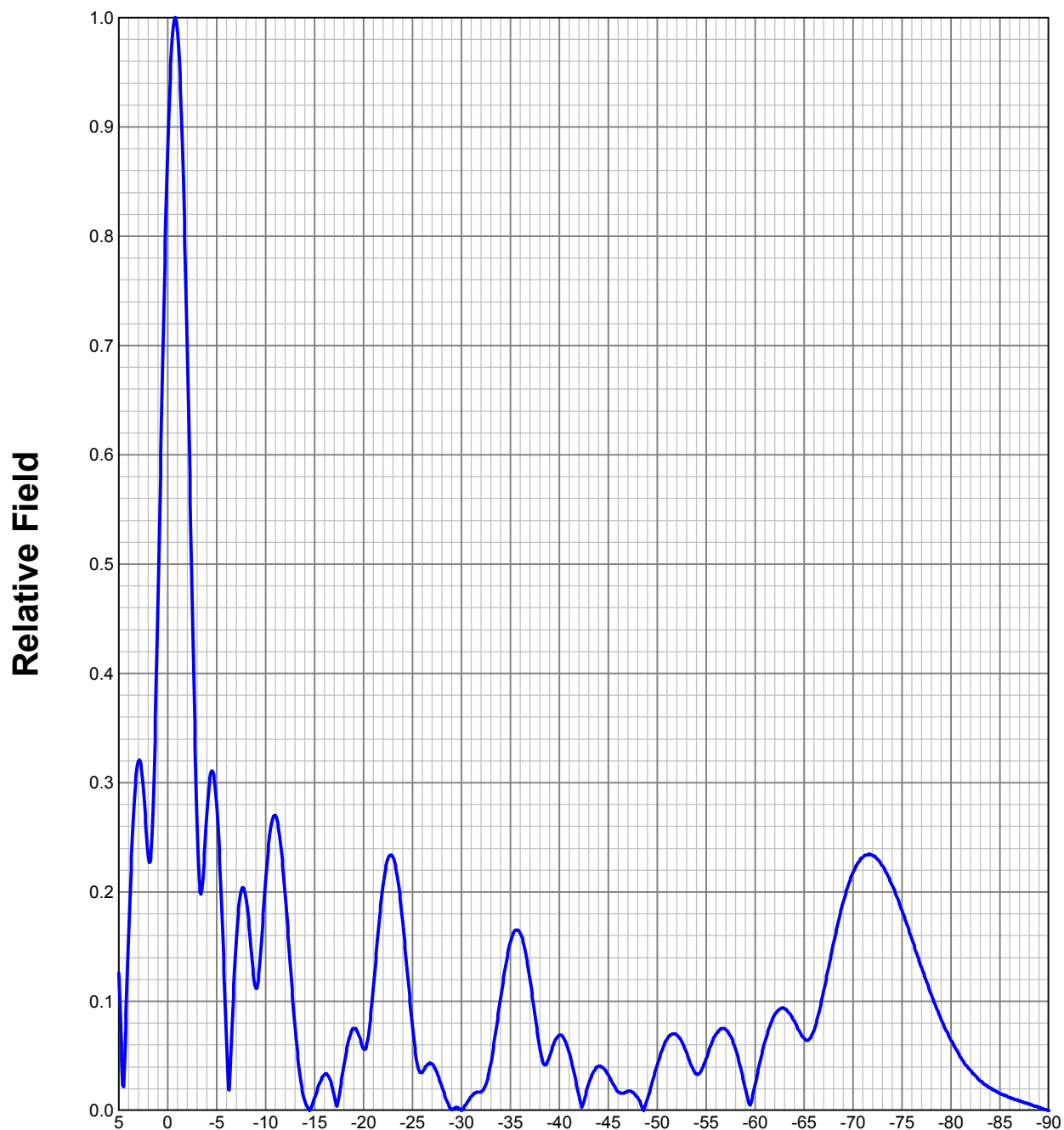


ALP16L3-HSM-39

ELEVATION PATTERN

Type:	ALP16L3		Channel:	39
Directivity:	Numeric	dBd	Location:	
Main Lobe:	16.59	12.20	Beam Tilt:	-0.75
Horizontal:	12.85	11.09	Polarization:	Horizontal



Preliminary, subject to final design and review.

TABULATED DATA FOR ELEVATION PATTERNType: **ALP16L3**Polarization **Horizontal**

ANGLEFIELD	dB	ANGLEFIELD	dB	ANGLEFIELD	dB	ANGLEFIELD	dB	ANGLEFIELD	dB
5.00	0.126	-17.99	-6.75	0.113	-18.90	-27.00	0.043	-27.33	-50.50
4.75	0.061	-24.36	-7.00	0.155	-16.19	-27.50	0.035	-29.12	-51.00
4.50	0.022	-33.15	-7.25	0.185	-14.68	-28.00	0.022	-33.15	-51.50
4.25	0.090	-20.96	-7.50	0.201	-13.94	-28.50	0.009	-40.92	-52.00
4.00	0.159	-15.97	-7.75	0.204	-13.83	-29.00	0.001	-60.00	-52.50
3.75	0.221	-13.13	-8.00	0.194	-14.24	-29.50	0.003	-50.46	-53.00
3.50	0.270	-11.37	-8.25	0.175	-15.16	-30.00	0.000	-40.00	-53.50
3.25	0.304	-10.34	-8.50	0.149	-16.54	-30.50	0.006	-44.44	-54.00
3.00	0.320	-9.90	-8.75	0.125	-18.06	-31.00	0.013	-37.72	-54.50
2.75	0.317	-9.99	-9.00	0.112	-19.02	-31.50	0.017	-35.39	-55.00
2.50	0.296	-10.57	-9.25	0.121	-18.38	-32.00	0.017	-35.39	-55.50
2.25	0.264	-11.58	-9.50	0.146	-16.71	-32.50	0.024	-32.40	-56.00
2.00	0.233	-12.65	-9.75	0.179	-14.97	-33.00	0.043	-27.33	-56.50
1.75	0.231	-12.71	-10.00	0.211	-13.51	-33.50	0.072	-22.85	-57.00
1.50	0.274	-11.24	-10.50	0.258	-11.77	-34.00	0.103	-19.74	-57.50
1.25	0.359	-8.90	-11.00	0.270	-11.37	-34.50	0.132	-17.59	-58.00
1.00	0.465	-6.65	-11.50	0.246	-12.18	-35.00	0.154	-16.25	-58.50
0.75	0.580	-4.74	-12.00	0.197	-14.11	-35.50	0.165	-15.65	-59.00
0.50	0.692	-3.20	-12.50	0.135	-17.39	-36.00	0.162	-15.81	-59.50
0.25	0.794	-2.00	-13.00	0.077	-22.27	-36.50	0.147	-16.65	-60.00
0.00	0.880	-1.11	-13.50	0.033	-29.63	-37.00	0.120	-18.42	-60.50
-0.25	0.945	-0.49	-14.00	0.009	-40.92	-37.50	0.088	-21.11	-61.00
-0.50	0.986	-0.12	-14.50	0.000	-40.00	-38.00	0.057	-24.88	-61.50
-0.75	1.000	0.00	-15.00	0.012	-38.42	-38.50	0.042	-27.54	-62.00
-1.00	0.987	-0.11	-15.50	0.025	-32.04	-39.00	0.050	-26.02	-62.50
-1.25	0.947	-0.48	-16.00	0.033	-29.63	-39.50	0.063	-24.01	-63.00
-1.50	0.883	-1.08	-16.50	0.030	-30.46	-40.00	0.069	-23.22	-63.50
-1.75	0.796	-1.98	-17.00	0.014	-37.08	-40.50	0.065	-23.74	-64.00
-2.00	0.694	-3.17	-17.50	0.013	-37.72	-41.00	0.053	-25.51	-64.50
-2.25	0.582	-4.71	-18.00	0.042	-27.54	-41.50	0.035	-29.12	-65.00
-2.50	0.465	-6.65	-18.50	0.065	-23.74	-42.00	0.014	-37.08	-65.50
-2.75	0.354	-9.02	-19.00	0.075	-22.50	-42.50	0.008	-41.94	-66.00
-3.00	0.260	-11.70	-19.50	0.069	-23.22	-43.00	0.025	-32.04	-66.50
-3.25	0.206	-13.72	-20.00	0.056	-25.04	-43.50	0.036	-28.87	-67.00
-3.50	0.203	-13.85	-20.50	0.068	-23.35	-44.00	0.041	-27.74	-67.50
-3.75	0.235	-12.60	-21.00	0.113	-18.94	-44.50	0.039	-28.18	-68.00
-4.00	0.272	-11.31	-21.50	0.164	-15.70	-45.00	0.033	-29.63	-68.50
-4.25	0.300	-10.46	-22.00	0.207	-13.68	-45.50	0.024	-32.40	-69.00
-4.50	0.311	-10.14	-22.50	0.231	-12.73	-46.00	0.017	-35.39	-69.50
-4.75	0.304	-10.36	-23.00	0.232	-12.69	-46.50	0.016	-35.92	-70.00
-5.00	0.280	-11.06	-23.50	0.211	-13.51	-47.00	0.018	-34.89	-70.50
-5.25	0.240	-12.41	-24.00	0.173	-15.24	-47.50	0.017	-35.39	-71.00
-5.50	0.188	-14.52	-24.50	0.124	-18.13	-48.00	0.012	-38.42	-71.50
-5.75	0.129	-17.82	-25.00	0.077	-22.27	-48.50	0.002	-53.98	-72.00
-6.00	0.065	-23.74	-25.50	0.042	-27.54	-49.00	0.011	-39.17	-72.50
-6.25	0.019	-34.42	-26.00	0.035	-29.12	-49.50	0.027	-31.37	-73.00
-6.50	0.062	-24.15	-26.50	0.042	-27.54	-50.00	0.042	-27.54	-73.50

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