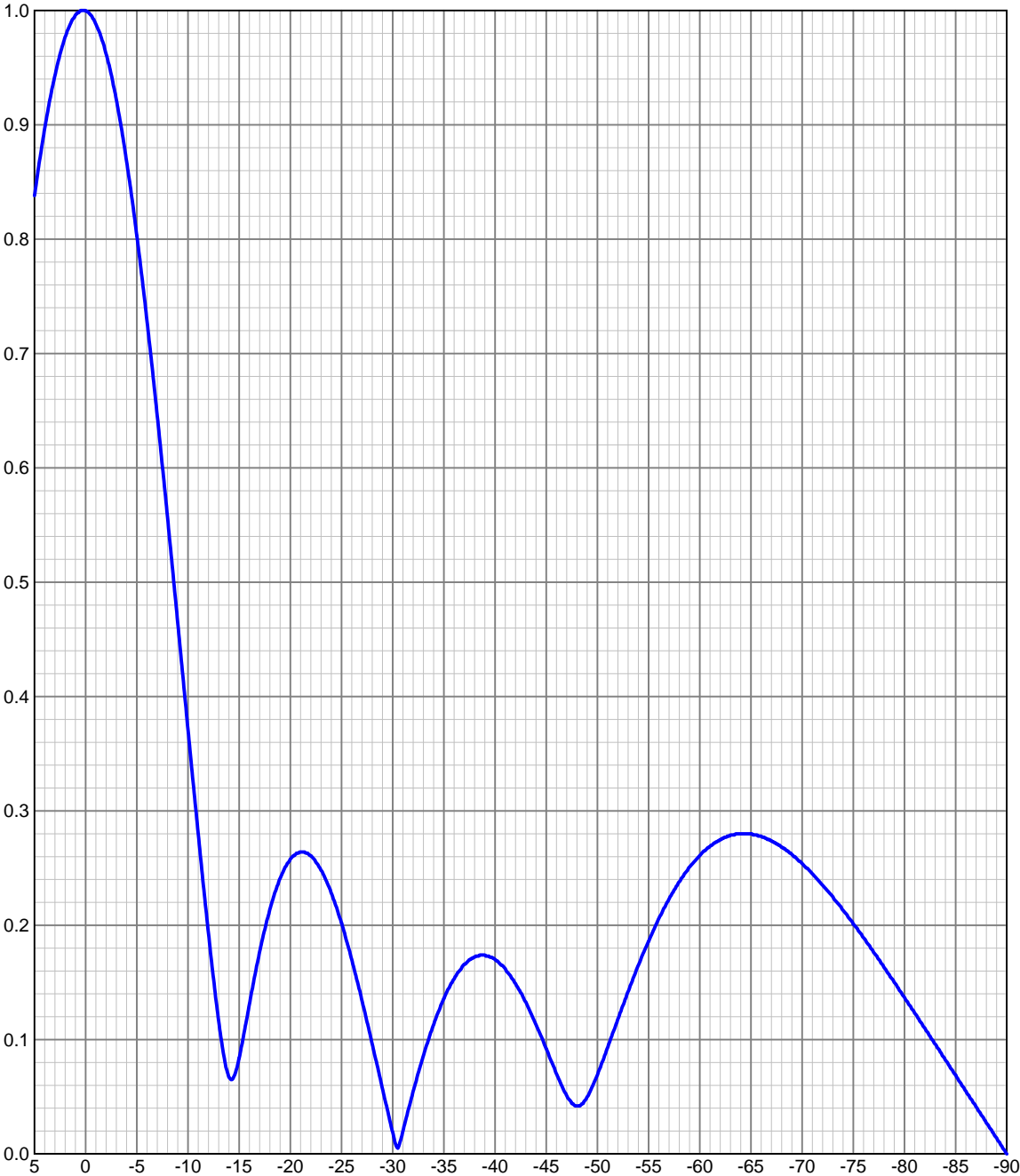


ELEVATION PATTERN

Type:	ALP4L1		Channel:	16
Directivity:	Numeric	dBd	Location:	
Main Lobe:	4.58	6.61	Beam Tilt:	0.00
Horizontal:	4.58	6.61	Polarization:	Horizontal

Relative Field



Preliminary, subject to final design and review.

TABULATED DATA FOR ELEVATION PATTERN

Type: ALP4L1

PolarizationHorizontal

ANGLEFIELD	dB	ANGLEFIELD	dB	ANGLEFIELD	dB	ANGLEFIELD	dB	ANGLEFIELD	dB
5.00	0.838	-1.54	-6.75	0.667	-3.52	-27.00	0.134	-17.46	-50.50
4.75	0.853	-1.38	-7.00	0.645	-3.81	-27.50	0.115	-18.79	-51.00
4.50	0.869	-1.22	-7.25	0.623	-4.10	-28.00	0.096	-20.35	-51.50
4.25	0.883	-1.08	-7.50	0.601	-4.42	-28.50	0.077	-22.27	-52.00
4.00	0.897	-0.94	-7.75	0.579	-4.74	-29.00	0.057	-24.88	-52.50
3.75	0.909	-0.82	-8.00	0.557	-5.08	-29.50	0.038	-28.40	-53.00
3.50	0.922	-0.71	-8.25	0.534	-5.46	-30.00	0.019	-34.42	-53.50
3.25	0.933	-0.60	-8.50	0.511	-5.83	-30.50	0.005	-46.02	-54.00
3.00	0.943	-0.51	-8.75	0.487	-6.24	-31.00	0.020	-33.98	-54.50
2.75	0.953	-0.42	-9.00	0.464	-6.67	-31.50	0.038	-28.40	-55.00
2.50	0.962	-0.34	-9.25	0.441	-7.11	-32.00	0.055	-25.19	-55.50
2.25	0.970	-0.27	-9.50	0.418	-7.58	-32.50	0.071	-22.97	-56.00
2.00	0.977	-0.20	-9.75	0.395	-8.08	-33.00	0.086	-21.31	-56.50
1.75	0.983	-0.15	-10.00	0.371	-8.61	-33.50	0.100	-20.00	-57.00
1.50	0.988	-0.10	-10.50	0.325	-9.76	-34.00	0.113	-18.94	-57.50
1.25	0.992	-0.07	-11.00	0.280	-11.06	-34.50	0.125	-18.06	-58.00
1.00	0.996	-0.03	-11.50	0.235	-12.58	-35.00	0.136	-17.33	-58.50
0.75	0.998	-0.02	-12.00	0.193	-14.29	-35.50	0.145	-16.77	-59.00
0.50	1.000	0.00	-12.50	0.153	-16.31	-36.00	0.153	-16.31	-59.50
0.25	1.000	0.00	-13.00	0.116	-18.71	-36.50	0.160	-15.92	-60.00
0.00	1.000	0.00	-13.50	0.086	-21.31	-37.00	0.166	-15.60	-60.50
-0.25	0.998	-0.01	-14.00	0.067	-23.48	-37.50	0.170	-15.39	-61.00
-0.50	0.996	-0.03	-14.50	0.068	-23.35	-38.00	0.172	-15.29	-61.50
-0.75	0.992	-0.07	-15.00	0.084	-21.51	-38.50	0.174	-15.19	-62.00
-1.00	0.988	-0.10	-15.50	0.107	-19.41	-39.00	0.174	-15.19	-62.50
-1.25	0.983	-0.15	-16.00	0.131	-17.65	-39.50	0.172	-15.29	-63.00
-1.50	0.977	-0.20	-16.50	0.155	-16.19	-40.00	0.170	-15.39	-63.50
-1.75	0.970	-0.26	-17.00	0.177	-15.04	-40.50	0.166	-15.60	-64.00
-2.00	0.962	-0.34	-17.50	0.196	-14.15	-41.00	0.162	-15.81	-64.50
-2.25	0.954	-0.41	-18.00	0.214	-13.39	-41.50	0.156	-16.14	-65.00
-2.50	0.944	-0.50	-18.50	0.229	-12.80	-42.00	0.149	-16.54	-65.50
-2.75	0.933	-0.60	-19.00	0.241	-12.36	-42.50	0.141	-17.02	-66.00
-3.00	0.922	-0.71	-19.50	0.251	-12.01	-43.00	0.133	-17.52	-66.50
-3.25	0.909	-0.82	-20.00	0.258	-11.77	-43.50	0.123	-18.20	-67.00
-3.50	0.897	-0.94	-20.50	0.262	-11.63	-44.00	0.113	-18.94	-67.50
-3.75	0.883	-1.08	-21.00	0.264	-11.57	-44.50	0.103	-19.74	-68.00
-4.00	0.868	-1.23	-21.50	0.263	-11.60	-45.00	0.092	-20.72	-68.50
-4.25	0.853	-1.38	-22.00	0.261	-11.67	-45.50	0.081	-21.83	-69.00
-4.50	0.837	-1.55	-22.50	0.255	-11.87	-46.00	0.070	-23.10	-69.50
-4.75	0.821	-1.72	-23.00	0.248	-12.11	-46.50	0.060	-24.44	-70.00
-5.00	0.803	-1.91	-23.50	0.239	-12.43	-47.00	0.051	-25.85	-70.50
-5.25	0.786	-2.10	-24.00	0.228	-12.84	-47.50	0.044	-27.13	-71.00
-5.50	0.767	-2.30	-24.50	0.216	-13.31	-48.00	0.042	-27.54	-71.50
-5.75	0.748	-2.52	-25.00	0.202	-13.89	-48.50	0.044	-27.13	-72.00
-6.00	0.728	-2.76	-25.50	0.186	-14.61	-49.00	0.050	-26.02	-72.50
-6.25	0.708	-3.00	-26.00	0.170	-15.39	-49.50	0.059	-24.58	-73.00
-6.50	0.688	-3.25	-26.50	0.152	-16.36	-50.00	0.069	-23.22	-73.50

Preliminary, subject to final design and review.