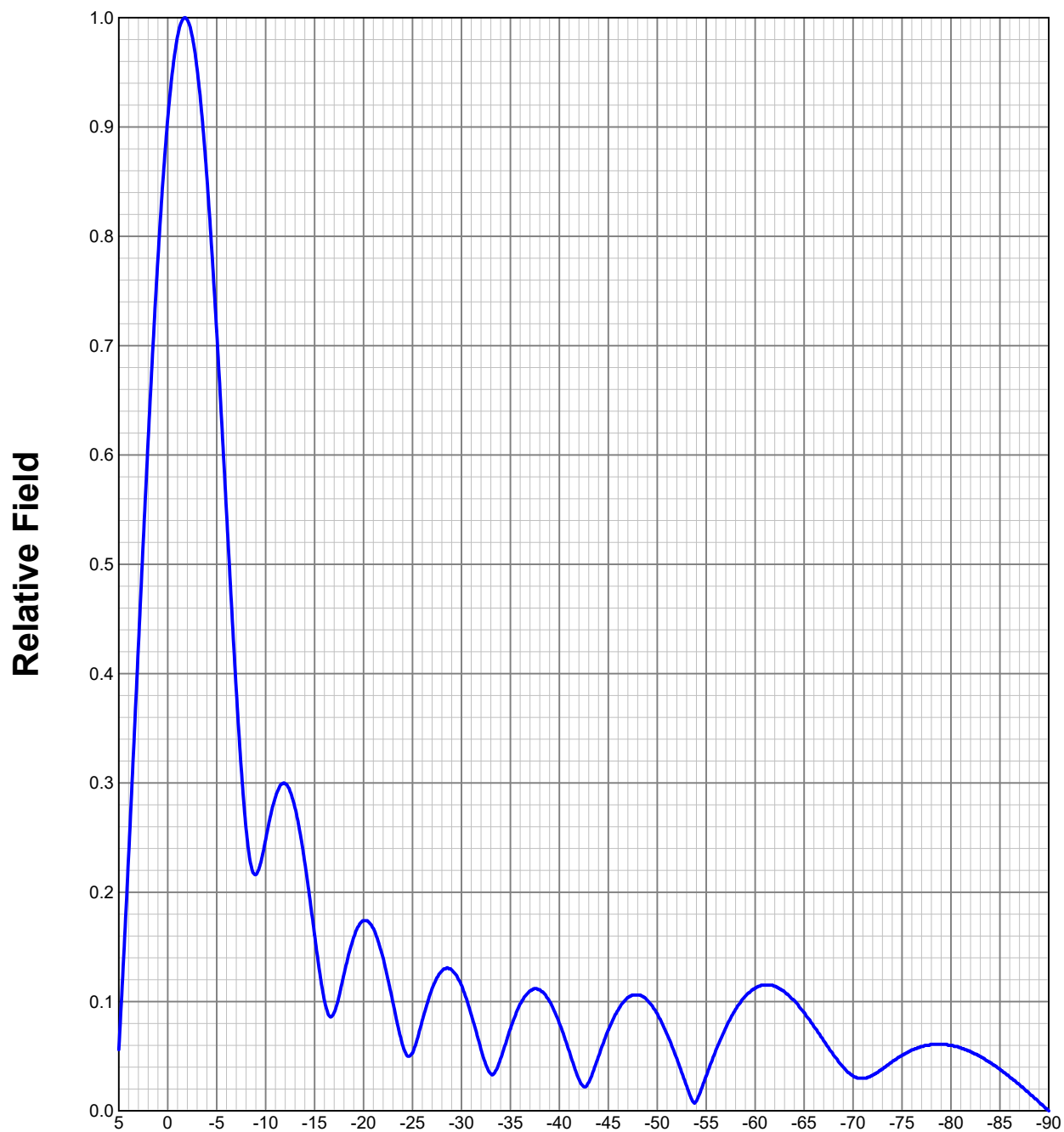


**ELEVATION PATTERN****Type:****AL8****Channel:****21****Directivity:****Numeric****dBd****Location:****Main Lobe:****8.50****9.29****Beam Tilt:****-1.75****Horizontal:****7.01****8.46****Polarization:****Horizontal**

**Preliminary, subject to final design and review.**

## TABULATED DATA FOR ELEVATION PATTERN

Type: AL8

Polarization Horizontal

ANGLEFIELD	dB	ANGLEFIELD	dB	ANGLEFIELD	dB	ANGLEFIELD	dB	ANGLEFIELD	dB
5.00	0.056	-25.04	-6.75	0.424	-7.45	-27.00	0.112	-19.02	-50.50
4.75	0.098	-20.22	-7.00	0.385	-8.29	-27.50	0.122	-18.27	-51.00
4.50	0.141	-17.02	-7.25	0.348	-9.17	-28.00	0.128	-17.86	-51.50
4.25	0.186	-14.61	-7.50	0.314	-10.06	-28.50	0.131	-17.65	-52.00
4.00	0.233	-12.65	-7.75	0.284	-10.93	-29.00	0.129	-17.79	-52.50
3.75	0.280	-11.06	-8.00	0.258	-11.77	-29.50	0.124	-18.13	-53.00
3.50	0.328	-9.68	-8.25	0.238	-12.45	-30.00	0.115	-18.79	-53.50
3.25	0.377	-8.48	-8.50	0.225	-12.96	-30.50	0.103	-19.74	-54.00
3.00	0.425	-7.43	-8.75	0.217	-13.25	-31.00	0.088	-21.11	-54.50
2.75	0.473	-6.50	-9.00	0.216	-13.31	-31.50	0.073	-22.73	-55.00
2.50	0.521	-5.66	-9.25	0.220	-13.15	-32.00	0.056	-25.04	-55.50
2.25	0.568	-4.92	-9.50	0.227	-12.88	-32.50	0.042	-27.54	-56.00
2.00	0.614	-4.24	-9.75	0.237	-12.51	-33.00	0.034	-29.37	-56.50
1.75	0.658	-3.64	-10.00	0.248	-12.11	-33.50	0.037	-28.64	-57.00
1.50	0.701	-3.09	-10.50	0.270	-11.37	-34.00	0.048	-26.38	-57.50
1.25	0.742	-2.59	-11.00	0.287	-10.84	-34.50	0.061	-24.29	-58.00
1.00	0.780	-2.16	-11.50	0.298	-10.52	-35.00	0.075	-22.50	-58.50
0.75	0.816	-1.77	-12.00	0.299	-10.49	-35.50	0.087	-21.21	-59.00
0.50	0.850	-1.41	-12.50	0.292	-10.69	-36.00	0.098	-20.18	-59.50
0.25	0.880	-1.11	-13.00	0.277	-11.15	-36.50	0.105	-19.58	-60.00
0.00	0.908	-0.84	-13.50	0.255	-11.87	-37.00	0.110	-19.17	-60.50
-0.25	0.931	-0.62	-14.00	0.227	-12.88	-37.50	0.112	-19.02	-61.00
-0.50	0.952	-0.43	-14.50	0.195	-14.20	-38.00	0.111	-19.09	-61.50
-0.75	0.969	-0.27	-15.00	0.161	-15.86	-38.50	0.107	-19.41	-62.00
-1.00	0.983	-0.15	-15.50	0.128	-17.86	-39.00	0.100	-20.00	-62.50
-1.25	0.992	-0.07	-16.00	0.101	-19.91	-39.50	0.091	-20.82	-63.00
-1.50	0.998	-0.02	-16.50	0.087	-21.21	-40.00	0.080	-21.94	-63.50
-1.75	1.000	0.00	-17.00	0.090	-20.92	-40.50	0.068	-23.35	-64.00
-2.00	0.998	-0.02	-17.50	0.105	-19.58	-41.00	0.055	-25.19	-64.50
-2.25	0.992	-0.07	-18.00	0.125	-18.06	-41.50	0.041	-27.74	-65.00
-2.50	0.983	-0.15	-18.50	0.144	-16.83	-42.00	0.029	-30.75	-65.50
-2.75	0.970	-0.26	-19.00	0.159	-15.97	-42.50	0.022	-33.15	-66.00
-3.00	0.953	-0.42	-19.50	0.169	-15.44	-43.00	0.026	-31.70	-66.50
-3.25	0.933	-0.60	-20.00	0.174	-15.19	-43.50	0.037	-28.64	-67.00
-3.50	0.910	-0.82	-20.50	0.173	-15.24	-44.00	0.050	-26.02	-67.50
-3.75	0.883	-1.08	-21.00	0.167	-15.55	-44.50	0.062	-24.15	-68.00
-4.00	0.854	-1.37	-21.50	0.155	-16.19	-45.00	0.074	-22.62	-68.50
-4.25	0.821	-1.71	-22.00	0.140	-17.08	-45.50	0.084	-21.51	-69.00
-4.50	0.787	-2.08	-22.50	0.120	-18.42	-46.00	0.092	-20.72	-69.50
-4.75	0.750	-2.49	-23.00	0.099	-20.09	-46.50	0.099	-20.09	-70.00
-5.00	0.713	-2.94	-23.50	0.078	-22.16	-47.00	0.104	-19.66	-70.50
-5.25	0.673	-3.44	-24.00	0.060	-24.44	-47.50	0.106	-19.49	-71.00
-5.50	0.632	-3.99	-24.50	0.050	-26.02	-48.00	0.106	-19.49	-71.50
-5.75	0.591	-4.58	-25.00	0.053	-25.51	-48.50	0.105	-19.58	-72.00
-6.00	0.548	-5.22	-25.50	0.066	-23.61	-49.00	0.101	-19.91	-72.50
-6.25	0.506	-5.91	-26.00	0.083	-21.62	-49.50	0.096	-20.35	-73.00
-6.50	0.465	-6.65	-26.50	0.098	-20.18	-50.00	0.089	-21.01	-73.50

*Preliminary, subject to final design and review.*