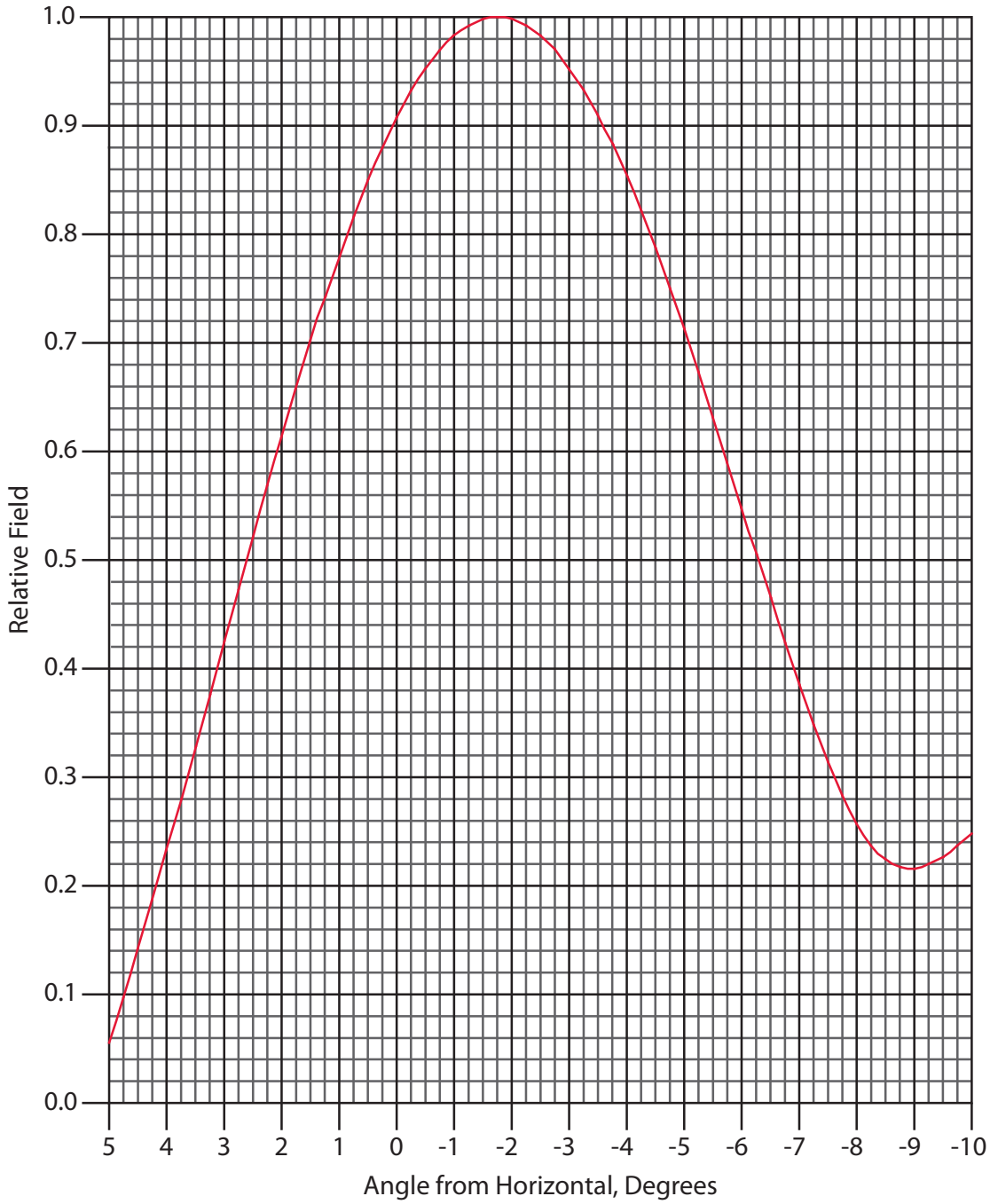
Elevation Pattern

Type:	AL8PM7	
Directivity	*Numeric*	*dBd*
Main Lobe:	8.50	(9.29)
Horizontal:	7.00	(8.45)
Beam Tilt	-1.75 °	
Polarization:	Horizontal and Vertical	
Frequency:		
Location:		



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Tabulated Data for Elevation Pattern

Type: AL8PM7

-5 to 10 degrees in 0.25 degree increments
10 to 90 degrees in 0.50 degree increments

Angle	Field	dB
5.00	0.056	-25.04
4.75	0.097	-20.26
4.50	0.141	-17.02
4.25	0.186	-14.61
4.00	0.233	-12.65
3.75	0.280	-11.06
3.50	0.328	-9.68
3.25	0.376	-8.50
3.00	0.425	-7.43
2.75	0.473	-6.50
2.50	0.521	-5.66
2.25	0.568	-4.91
2.00	0.614	-4.24
1.75	0.658	-3.64
1.50	0.701	-3.09
1.25	0.742	-2.59
1.00	0.780	-2.16
0.75	0.816	-1.77
0.50	0.850	-1.41
0.25	0.880	-1.11
0.00	0.908	-0.84
-0.25	0.932	-0.61
-0.50	0.952	-0.43
-0.75	0.969	-0.27
-1.00	0.983	-0.15
-1.25	0.992	-0.07
-1.50	0.998	-0.02
-1.75	1.000	0.00
-2.00	0.998	-0.02
-2.25	0.992	-0.07
-2.50	0.983	-0.15
-2.75	0.970	-0.26
-3.00	0.953	-0.42
-3.25	0.933	-0.60
-3.50	0.910	-0.82
-3.75	0.883	-1.08
-4.00	0.854	-1.37
-4.25	0.822	-1.70
-4.50	0.787	-2.08
-4.75	0.751	-2.49
-5.00	0.713	-2.94
-5.25	0.673	-3.44
-5.50	0.632	-3.99
-5.75	0.590	-4.58
-6.00	0.548	-5.22

Angle	Field	dB
-6.25	0.506	-5.92
-6.50	0.465	-6.65
-6.75	0.424	-7.45
-7.00	0.385	-8.29
-7.25	0.348	-9.17
-7.50	0.314	-10.06
-7.75	0.284	-10.93
-8.00	0.258	-11.77
-8.25	0.238	-12.47
-8.50	0.225	-12.96
-8.75	0.217	-13.27
-9.00	0.216	-13.31
-9.25	0.220	-13.15
-9.50	0.227	-12.88
-9.75	0.237	-12.51
-10.00	0.248	-12.11
-10.50	0.270	-11.37
-11.00	0.287	-10.84
-11.50	0.298	-10.52
-12.00	0.299	-10.49
-12.50	0.292	-10.69
-13.00	0.277	-11.15
-13.50	0.255	-11.87
-14.00	0.227	-12.88
-14.50	0.195	-14.20
-15.00	0.161	-15.86
-15.50	0.128	-17.86
-16.00	0.101	-19.91
-16.50	0.087	-21.21
-17.00	0.090	-20.92
-17.50	0.105	-19.58
-18.00	0.125	-18.06
-18.50	0.144	-16.83
-19.00	0.159	-15.97
-19.50	0.169	-15.44
-20.00	0.174	-15.19
-20.50	0.173	-15.24
-21.00	0.167	-15.55
-21.50	0.155	-16.19
-22.00	0.140	-17.08
-22.50	0.120	-18.42
-23.00	0.099	-20.09
-23.50	0.078	-22.16
-24.00	0.060	-24.44
-24.50	0.050	-26.02

Angle	Field	dB
-25.00	0.053	-25.51
-25.50	0.066	-23.61
-26.00	0.083	-21.62
-26.50	0.098	-20.18
-27.00	0.112	-19.02
-27.50	0.122	-18.27
-28.00	0.128	-17.86
-28.50	0.131	-17.65
-29.00	0.129	-17.79
-29.50	0.124	-18.13
-30.00	0.115	-18.79
-30.50	0.103	-19.74
-31.00	0.088	-21.11
-31.50	0.073	-22.73
-32.00	0.056	-25.04
-32.50	0.042	-27.54
-33.00	0.034	-29.37
-33.50	0.037	-28.64
-34.00	0.048	-26.38
-34.50	0.061	-24.29
-35.00	0.075	-22.50
-35.50	0.087	-21.21
-36.00	0.098	-20.18
-36.50	0.105	-19.58
-37.00	0.110	-19.17
-37.50	0.112	-19.02
-38.00	0.111	-19.09
-38.50	0.107	-19.41
-39.00	0.100	-20.00
-39.50	0.091	-20.82
-40.00	0.080	-21.94
-40.50	0.068	-23.35
-41.00	0.055	-25.19
-41.50	0.041	-27.74
-42.00	0.029	-30.75
-42.50	0.022	-33.15
-43.00	0.026	-31.70
-43.50	0.037	-28.64
-44.00	0.050	-26.02
-44.50	0.062	-24.15
-45.00	0.074	-22.62
-45.50	0.084	-21.51
-46.00	0.092	-20.72
-46.50	0.099	-20.09
-47.00	0.104	-19.66

Angle	Field	dB
-47.50	0.106	-19.49
-48.00	0.106	-19.49
-48.50	0.105	-19.58
-49.00	0.101	-19.91
-49.50	0.096	-20.35
-50.00	0.089	-21.01
-50.50	0.080	-21.94
-51.00	0.070	-23.10
-51.50	0.059	-24.58
-52.00	0.048	-26.38
-52.50	0.035	-29.12
-53.00	0.023	-32.77
-53.50	0.011	-39.17
-54.00	0.009	-40.92
-54.50	0.020	-33.98
-55.00	0.032	-29.90
-55.50	0.044	-27.13
-56.00	0.056	-25.04
-56.50	0.066	-23.61
-57.00	0.076	-22.38
-57.50	0.085	-21.41
-58.00	0.093	-20.63
-58.50	0.099	-20.09
-59.00	0.105	-19.58
-59.50	0.109	-19.25
-60.00	0.112	-19.02
-60.50	0.114	-18.86
-61.00	0.115	-18.79
-61.50	0.115	-18.79
-62.00	0.114	-18.86
-62.50	0.112	-19.02
-63.00	0.109	-19.25
-63.50	0.105	-19.58
-64.00	0.101	-19.91
-64.50	0.095	-20.45
-65.00	0.090	-20.92
-65.50	0.084	-21.51
-66.00	0.077	-22.27
-66.50	0.071	-22.97
-67.00	0.064	-23.88
-67.50	0.058	-24.73
-68.00	0.051	-25.85
-68.50	0.045	-26.94
-69.00	0.040	-27.96
-69.50	0.035	-29.12

Angle	Field	dB
-70.00	0.032	-29.90
-70.50	0.030	-30.46
-71.00	0.030	-30.46
-71.50	0.031	-30.17
-72.00	0.033	-29.63
-72.50	0.035	-29.12
-73.00	0.038	-28.40
-73.50	0.042	-27.54
-74.00	0.045	-26.94
-74.50	0.048	-26.38
-75.00	0.051	-25.85
-75.50	0.053	-25.51
-76.00	0.056	-25.04
-76.50	0.057	-24.88
-77.00	0.059	-24.58
-77.50	0.060	-24.44
-78.00	0.061	-24.29
-78.50	0.061	-24.29
-79.00	0.061	-24.29
-79.50	0.061	-24.29
-80.00	0.060	-24.44
-80.50	0.059	-24.58
-81.00	0.058	-24.73
-81.50	0.056	-25.04
-82.00	0.054	-25.35
-82.50	0.052	-25.68
-83.00	0.050	-26.02
-83.50	0.047	-26.56
-84.00	0.044	-27.13
-84.50	0.041	-27.74
-85.00	0.038	-28.40
-85.50	0.035	-29.12
-86.00	0.031	-30.17
-86.50	0.028	-31.06
-87.00	0.024	-32.40
-87.50	0.020	-33.98
-88.00	0.016	-35.92
-88.50	0.012	-38.42
-89.00	0.008	-41.94
-89.50	0.004	-47.96
-90.00	0.000	---

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