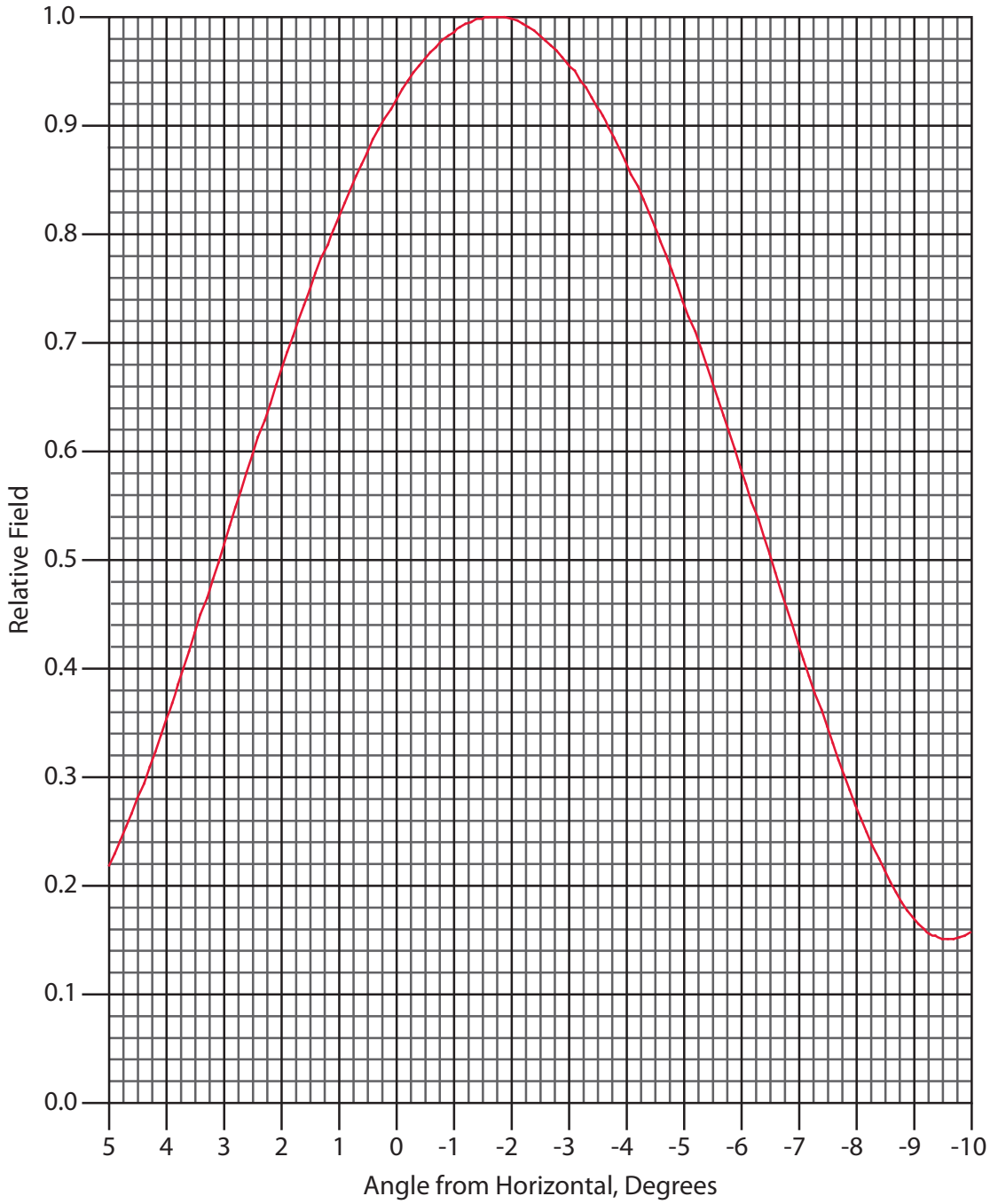
Elevation Pattern

Type:	ESR-8H7	
Directivity	*Numeric*	*dBd*
Main Lobe:	8.67	(9.38)
Horizontal:	7.42	(8.70)
Beam Tilt	-1.75 °	
Polarization:	Horizontal	
Frequency:		
Location:		



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Tabulated Data for Elevation Pattern

Type: ESR-8H7

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

Angle	Field	dB
5.00	0.219	-13.20
4.75	0.250	-12.05
4.50	0.281	-11.04
4.25	0.317	-9.98
4.00	0.354	-9.03
3.75	0.393	-8.10
3.50	0.433	-7.27
3.25	0.474	-6.48
3.00	0.515	-5.76
2.75	0.556	-5.10
2.50	0.597	-4.48
2.25	0.636	-3.92
2.00	0.676	-3.40
1.75	0.713	-2.94
1.50	0.749	-2.51
1.25	0.783	-2.12
1.00	0.817	-1.76
0.75	0.846	-1.45
0.50	0.875	-1.16
0.25	0.900	-0.91
0.00	0.925	-0.68
-0.25	0.943	-0.51
-0.50	0.961	-0.34
-0.75	0.974	-0.23
-1.00	0.987	-0.12
-1.25	0.993	-0.06
-1.50	0.999	-0.01
-1.75	0.998	-0.01
-2.00	0.998	-0.01
-2.25	0.991	-0.08
-2.50	0.983	-0.15
-2.75	0.970	-0.26
-3.00	0.957	-0.38
-3.25	0.937	-0.56
-3.50	0.917	-0.75
-3.75	0.892	-0.99
-4.00	0.867	-1.24
-4.25	0.837	-1.54
-4.50	0.807	-1.86
-4.75	0.773	-2.24
-5.00	0.739	-2.63
-5.25	0.702	-3.08
-5.50	0.664	-3.55
-5.75	0.625	-4.08
-6.00	0.586	-4.64

Angle	Field	dB
-6.25	0.545	-5.27
-6.50	0.505	-5.94
-6.75	0.464	-6.66
-7.00	0.424	-7.45
-7.25	0.385	-8.29
-7.50	0.346	-9.21
-7.75	0.311	-10.16
-8.00	0.275	-11.22
-8.25	0.244	-12.24
-8.50	0.214	-13.39
-8.75	0.192	-14.32
-9.00	0.171	-15.36
-9.25	0.161	-15.85
-9.50	0.152	-16.38
-9.75	0.154	-16.23
-10.00	0.157	-16.09
-10.50	0.176	-15.09
-11.00	0.198	-14.05
-11.50	0.218	-13.23
-12.00	0.232	-12.71
-12.50	0.238	-12.47
-13.00	0.237	-12.50
-13.50	0.229	-12.80
-14.00	0.215	-13.36
-14.50	0.195	-14.20
-15.00	0.170	-15.37
-15.50	0.142	-16.93
-16.00	0.113	-18.97
-16.50	0.082	-21.70
-17.00	0.054	-25.35
-17.50	0.034	-29.36
-18.00	0.036	-28.90
-18.50	0.054	-25.39
-19.00	0.074	-22.64
-19.50	0.092	-20.77
-20.00	0.106	-19.52
-20.50	0.116	-18.74
-21.00	0.121	-18.32
-21.50	0.123	-18.23
-22.00	0.120	-18.42
-22.50	0.113	-18.91
-23.00	0.104	-19.69
-23.50	0.091	-20.82
-24.00	0.076	-22.36
-24.50	0.060	-24.48

Angle	Field	dB
-25.00	0.042	-27.45
-25.50	0.025	-32.01
-26.00	0.010	-39.95
-26.50	0.013	-37.51
-27.00	0.028	-31.21
-27.50	0.041	-27.73
-28.00	0.053	-25.53
-28.50	0.063	-24.08
-29.00	0.070	-23.12
-29.50	0.075	-22.54
-30.00	0.077	-22.29
-30.50	0.077	-22.30
-31.00	0.074	-22.56
-31.50	0.070	-23.09
-32.00	0.064	-23.90
-32.50	0.056	-25.00
-33.00	0.047	-26.50
-33.50	0.038	-28.51
-34.00	0.027	-31.29
-34.50	0.017	-35.49
-35.00	0.006	-43.77
-35.50	0.003	-49.27
-36.00	0.013	-37.92
-36.50	0.021	-33.51
-37.00	0.028	-30.92
-37.50	0.035	-29.21
-38.00	0.040	-28.06
-38.50	0.043	-27.30
-39.00	0.045	-26.84
-39.50	0.046	-26.65
-40.00	0.046	-26.66
-40.50	0.045	-26.91
-41.00	0.043	-27.37
-41.50	0.040	-28.01
-42.00	0.036	-28.88
-42.50	0.032	-30.01
-43.00	0.027	-31.44
-43.50	0.022	-33.24
-44.00	0.017	-35.55
-44.50	0.012	-38.70
-45.00	0.007	-43.29
-45.50	0.003	-50.14
-46.00	0.004	-48.02
-46.50	0.007	-42.52
-47.00	0.011	-39.22

Angle	Field	dB
-47.50	0.014	-37.05
-48.00	0.017	-35.51
-48.50	0.019	-34.47
-49.00	0.021	-33.71
-49.50	0.022	-33.15
-50.00	0.023	-32.81
-50.50	0.023	-32.60
-51.00	0.024	-32.54
-51.50	0.023	-32.63
-52.00	0.023	-32.81
-52.50	0.022	-33.05
-53.00	0.021	-33.42
-53.50	0.020	-33.92
-54.00	0.019	-34.50
-54.50	0.017	-35.16
-55.00	0.016	-36.05
-55.50	0.014	-36.99
-56.00	0.012	-38.22
-56.50	0.010	-39.58
-57.00	0.009	-41.32
-57.50	0.007	-43.29
-58.00	0.005	-45.22
-58.50	0.005	-45.95
-59.00	0.006	-44.74
-59.50	0.008	-42.38
-60.00	0.010	-40.11
-60.50	0.012	-38.07
-61.00	0.015	-36.40
-61.50	0.018	-34.90
-62.00	0.021	-33.62
-62.50	0.024	-32.44
-63.00	0.027	-31.46
-63.50	0.030	-30.55
-64.00	0.032	-29.79
-64.50	0.035	-29.07
-65.00	0.038	-28.48
-65.50	0.040	-27.96
-66.00	0.042	-27.45
-66.50	0.044	-27.06
-67.00	0.046	-26.67
-67.50	0.048	-26.38
-68.00	0.050	-26.08
-68.50	0.051	-25.88
-69.00	0.052	-25.67
-69.50	0.053	-25.55

Angle	Field	dB
-70.00	0.053	-25.46
-70.50	0.054	-25.41
-71.00	0.054	-25.38
-71.50	0.054	-25.39
-72.00	0.053	-25.46
-72.50	0.053	-25.56
-73.00	0.052	-25.69
-73.50	0.051	-25.83
-74.00	0.050	-25.99
-74.50	0.049	-26.16
-75.00	0.048	-26.35
-75.50	0.047	-26.54
-76.00	0.046	-26.78
-76.50	0.045	-26.98
-77.00	0.044	-27.21
-77.50	0.043	-27.43
-78.00	0.042	-27.63
-78.50	0.041	-27.81
-79.00	0.040	-27.97
-79.50	0.039	-28.09
-80.00	0.039	-28.19
-80.50	0.039	-28.25
-81.00	0.038	-28.31
-81.50	0.038	-28.30
-82.00	0.038	-28.30
-82.50	0.039	-28.23
-83.00	0.039	-28.18
-83.50	0.039	-28.08
-84.00	0.040	-28.00
-84.50	0.040	-27.91
-85.00	0.041	-27.81
-85.50	0.041	-27.68
-86.00	0.042	-27.59
-86.50	0.042	-27.50
-87.00	0.043	-27.42
-87.50	0.043	-27.35
-88.00	0.043	-27.29
-88.50	0.043	-27.24
-89.00	0.044	-27.21
-89.50	0.044	-27.19
-90.00	0.044	-27.18

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