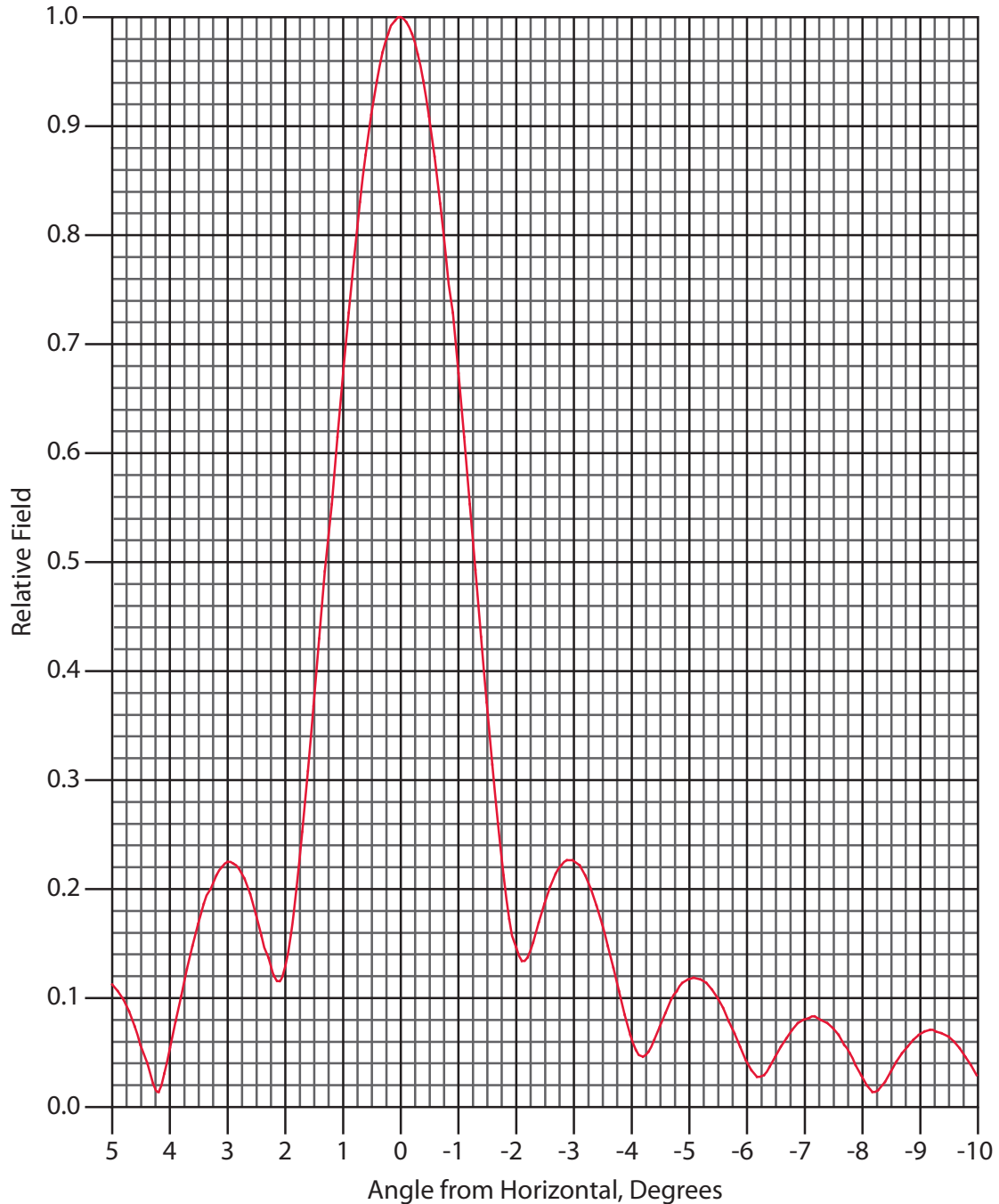


Elevation Pattern

Type:	ESR-12U0	
Directivity	Numeric	dBd
Main Lobe:	30.40	(14.83)
Horizontal:	30.40	(14.83)
Beam Tilt	0.00 °	
Polarization:	Horizontal and Vertical	
Frequency:		
Location:		



Tabulated Data for Elevation Pattern

Type: ESR-12U0

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

Angle	Field	dB
5.00	0.112	-19.02
4.75	0.093	-20.63
4.50	0.058	-24.80
4.25	0.014	-36.88
4.00	0.054	-25.28
3.75	0.114	-18.86
3.50	0.168	-15.50
3.25	0.207	-13.68
3.00	0.224	-12.98
2.75	0.215	-13.36
2.50	0.178	-15.00
2.25	0.128	-17.86
2.00	0.129	-17.79
1.75	0.227	-12.89
1.50	0.368	-8.68
1.25	0.523	-5.63
1.00	0.674	-3.43
0.75	0.807	-1.87
0.50	0.911	-0.81
0.25	0.977	-0.20
0.00	1.000	0.00
-0.25	0.976	-0.21
-0.50	0.909	-0.83
-0.75	0.805	-1.88
-1.00	0.673	-3.44
-1.25	0.523	-5.62
-1.50	0.372	-8.60
-1.75	0.236	-12.56
-2.00	0.146	-16.72
-2.25	0.144	-16.86
-2.50	0.187	-14.58
-2.75	0.219	-13.19
-3.00	0.226	-12.92
-3.25	0.207	-13.68
-3.50	0.168	-15.50
-3.75	0.117	-18.65
-4.00	0.066	-23.57
-4.25	0.047	-26.47
-4.50	0.074	-22.58
-4.75	0.103	-19.77
-5.00	0.117	-18.60
-5.25	0.116	-18.71
-5.50	0.100	-20.00
-5.75	0.073	-22.70
-6.00	0.043	-27.32

Angle	Field	dB
-6.25	0.028	-31.01
-6.50	0.046	-26.75
-6.75	0.067	-23.42
-7.00	0.080	-21.90
-7.25	0.082	-21.74
-7.50	0.072	-22.83
-7.75	0.053	-25.46
-8.00	0.029	-30.68
-8.25	0.014	-37.12
-8.50	0.032	-29.81
-8.75	0.053	-25.54
-9.00	0.066	-23.56
-9.25	0.070	-23.04
-9.50	0.065	-23.77
-9.75	0.051	-25.93
-10.00	0.030	-30.52
-10.50	0.019	-34.40
-11.00	0.057	-24.92
-11.50	0.065	-23.77
-12.00	0.041	-27.70
-12.50	0.011	-38.93
-13.00	0.044	-27.06
-13.50	0.062	-24.11
-14.00	0.052	-25.72
-14.50	0.023	-32.94
-15.00	0.030	-30.42
-15.50	0.054	-25.39
-16.00	0.056	-25.10
-16.50	0.036	-28.91
-17.00	0.020	-34.06
-17.50	0.040	-28.06
-18.00	0.052	-25.74
-18.50	0.044	-27.14
-19.00	0.024	-32.42
-19.50	0.024	-32.42
-20.00	0.041	-27.81
-20.50	0.045	-27.03
-21.00	0.033	-29.68
-21.50	0.018	-35.00
-22.00	0.026	-31.69
-22.50	0.040	-28.00
-23.00	0.042	-27.61
-23.50	0.032	-29.83
-24.00	0.022	-33.00
-24.50	0.040	-28.01

Angle	Field	dB
-25.00	0.068	-23.37
-25.50	0.095	-20.47
-26.00	0.111	-19.08
-26.50	0.116	-18.71
-27.00	0.107	-19.39
-27.50	0.090	-20.92
-28.00	0.068	-23.36
-28.50	0.047	-26.52
-29.00	0.031	-30.04
-29.50	0.022	-32.98
-30.00	0.023	-32.93
-30.50	0.028	-31.02
-31.00	0.031	-30.13
-31.50	0.027	-31.40
-32.00	0.015	-36.37
-32.50	0.004	-48.39
-33.00	0.018	-34.77
-33.50	0.028	-30.92
-34.00	0.030	-30.59
-34.50	0.021	-33.50
-35.00	0.008	-42.36
-35.50	0.013	-37.56
-36.00	0.026	-31.80
-36.50	0.031	-30.24
-37.00	0.027	-31.36
-37.50	0.017	-35.52
-38.00	0.011	-39.14
-38.50	0.020	-33.91
-39.00	0.028	-31.01
-39.50	0.029	-30.67
-40.00	0.024	-32.55
-40.50	0.015	-36.54
-41.00	0.014	-37.19
-41.50	0.021	-33.48
-42.00	0.026	-31.58
-42.50	0.026	-31.71
-43.00	0.021	-33.73
-43.50	0.014	-37.28
-44.00	0.013	-37.92
-44.50	0.018	-34.90
-45.00	0.022	-33.14
-45.50	0.022	-33.11
-46.00	0.018	-34.75
-46.50	0.013	-37.85
-47.00	0.010	-39.97

Angle	Field	dB
-47.50	0.013	-37.77
-48.00	0.017	-35.59
-48.50	0.018	-34.81
-49.00	0.017	-35.50
-49.50	0.013	-37.59
-50.00	0.009	-40.81
-50.50	0.008	-41.52
-51.00	0.012	-38.63
-51.50	0.015	-36.24
-52.00	0.017	-35.22
-52.50	0.017	-35.33
-53.00	0.015	-36.74
-53.50	0.011	-39.35
-54.00	0.009	-41.21
-54.50	0.012	-38.39
-55.00	0.018	-34.94
-55.50	0.023	-32.66
-56.00	0.027	-31.51
-56.50	0.027	-31.37
-57.00	0.024	-32.26
-57.50	0.020	-34.20
-58.00	0.015	-36.28
-58.50	0.019	-34.65
-59.00	0.029	-30.68
-59.50	0.043	-27.33
-60.00	0.057	-24.82
-60.50	0.071	-22.98
-61.00	0.083	-21.60
-61.50	0.093	-20.59
-62.00	0.102	-19.86
-62.50	0.107	-19.37
-63.00	0.111	-19.08
-63.50	0.112	-19.03
-64.00	0.110	-19.15
-64.50	0.106	-19.46
-65.00	0.100	-19.97
-65.50	0.092	-20.72
-66.00	0.082	-21.71
-66.50	0.070	-23.05
-67.00	0.058	-24.77
-67.50	0.044	-27.06
-68.00	0.031	-30.18
-68.50	0.018	-34.81
-69.00	0.007	-42.68
-69.50	0.008	-42.07

Angle	Field	dB
-70.00	0.016	-35.78
-70.50	0.024	-32.49
-71.00	0.030	-30.59
-71.50	0.034	-29.50
-72.00	0.036	-28.95
-72.50	0.036	-28.82
-73.00	0.035	-29.04
-73.50	0.033	-29.58
-74.00	0.030	-30.42
-74.50	0.026	-31.61
-75.00	0.022	-33.18
-75.50	0.017	-35.17
-76.00	0.013	-37.70
-76.50	0.009	-40.85
-77.00	0.006	-43.87
-77.50	0.006	-44.00
-78.00	0.008	-41.58
-78.50	0.011	-39.18
-79.00	0.014	-37.33
-79.50	0.016	-35.99
-80.00	0.018	-35.00
-80.50	0.019	-34.30
-81.00	0.020	-33.80
-81.50	0.021	-33.46
-82.00	0.022	-33.25
-82.50	0.022	-33.13
-83.00	0.022	-33.10
-83.50	0.022	-33.15
-84.00	0.022	-33.25
-84.50	0.021	-33.39
-85.00	0.021	-33.56
-85.50	0.021	-33.75
-86.00	0.020	-33.97
-86.50	0.020	-34.18
-87.00	0.019	-34.40
-87.50	0.019	-34.61
-88.00	0.018	-34.82
-88.50	0.018	-35.01
-89.00	0.017	-35.18
-89.50	0.017	-35.35
-90.00	0.017	-35.49

