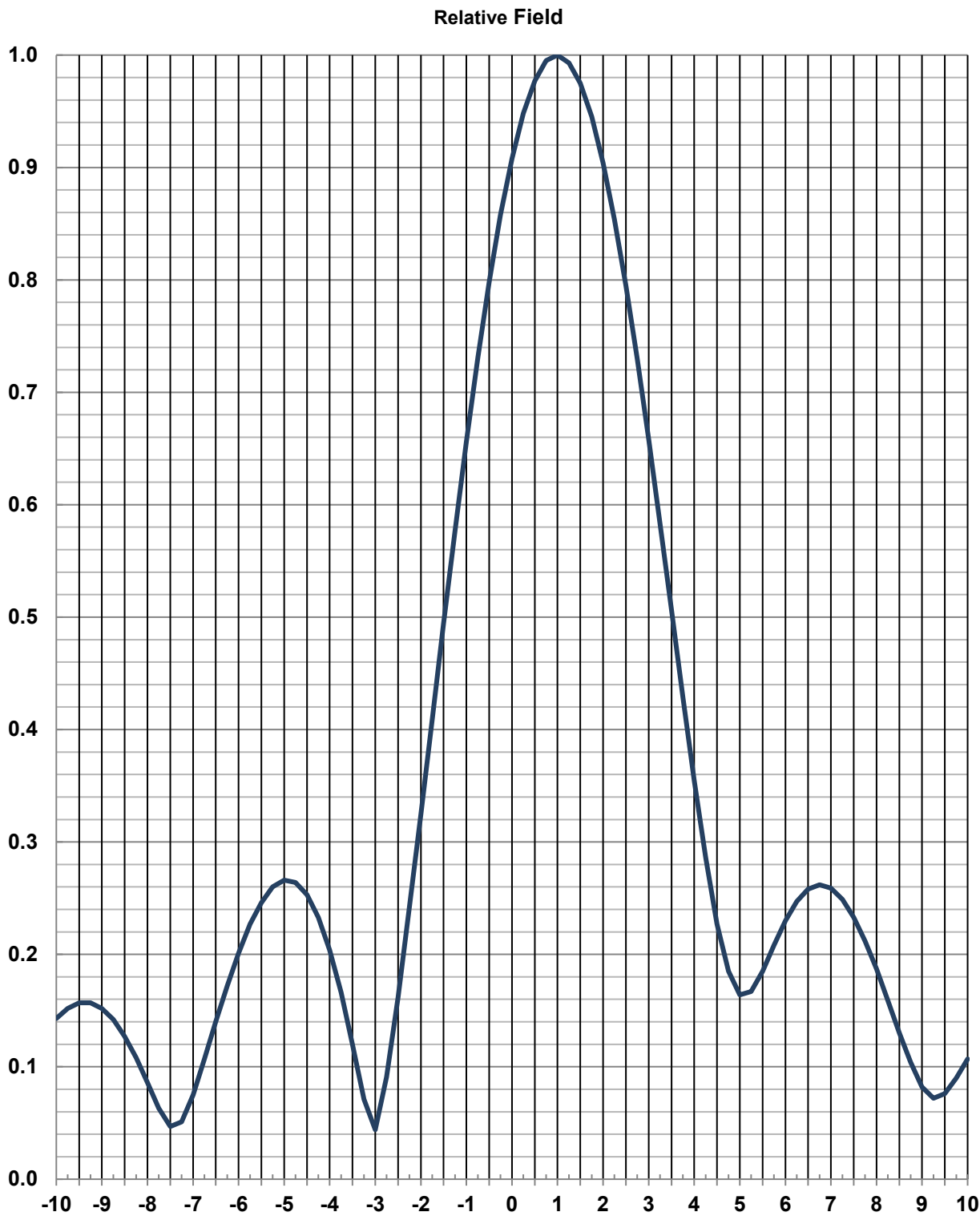


# Elevation Pattern

Type: CASCADE 15H4 Polarization: Horizontal and Vertical  
Directivity: \_\_\_\_\_  
Main Lobe: 15.00 numeric (11.76 dB) Beam Tilt: 1.00 degrees  
Horizontal: 12.37 numeric (10.92 dB)



# Tabulated Data for Elevation Pattern

Type:

CASCADE 15H4

Polarization:

Horizontal and Vertical

-10 to 10 degrees in 0.25 degree increments.

10 to 90 degrees in 0.50 degree increments.

Angle	Field	dB	Angle	Field	dB	Angle	Field	dB	Angle	Field	dB	Angle	Field	dB
-10.00	0.143	-16.89	2.25	0.854	-1.37	19.00	0.070	-23.10	43.50	0.039	-28.18	68.00	0.075	-22.50
-9.75	0.152	-16.36	2.50	0.795	-1.99	19.50	0.085	-21.41	44.00	0.049	-26.20	68.50	0.076	-22.38
-9.50	0.157	-16.08	2.75	0.730	-2.73	20.00	0.091	-20.82	44.50	0.057	-24.88	69.00	0.077	-22.27
-9.25	0.157	-16.08	3.00	0.658	-3.64	20.50	0.087	-21.21	45.00	0.062	-24.15	69.50	0.076	-22.38
-9.00	0.152	-16.36	3.25	0.583	-4.69	21.00	0.075	-22.50	45.50	0.062	-24.15	70.00	0.074	-22.62
-8.75	0.142	-16.95	3.50	0.506	-5.92	21.50	0.055	-25.19	46.00	0.058	-24.73	70.50	0.071	-22.97
-8.50	0.127	-17.92	3.75	0.429	-7.35	22.00	0.035	-29.12	46.50	0.051	-25.85	71.00	0.066	-23.61
-8.25	0.108	-19.33	4.00	0.355	-9.00	22.50	0.028	-31.06	47.00	0.042	-27.54	71.50	0.061	-24.29
-8.00	0.086	-21.31	4.25	0.286	-10.87	23.00	0.041	-27.74	47.50	0.030	-30.46	72.00	0.056	-25.04
-7.75	0.063	-24.01	4.50	0.227	-12.88	23.50	0.059	-24.58	48.00	0.020	-33.98	72.50	0.050	-26.02
-7.50	0.047	-26.56	4.75	0.185	-14.66	24.00	0.072	-22.85	48.50	0.017	-35.39	73.00	0.043	-27.33
-7.25	0.051	-25.85	5.00	0.164	-15.70	24.50	0.078	-22.16	49.00	0.025	-32.04	73.50	0.036	-28.87
-7.00	0.075	-22.50	5.25	0.167	-15.55	25.00	0.076	-22.38	49.50	0.036	-28.87	74.00	0.029	-30.75
-6.75	0.107	-19.41	5.50	0.185	-14.66	25.50	0.066	-23.61	50.00	0.047	-26.56	74.50	0.022	-33.15
-6.50	0.140	-17.08	5.75	0.208	-13.64	26.00	0.051	-25.85	50.50	0.055	-25.19	75.00	0.016	-35.92
-6.25	0.172	-15.29	6.00	0.230	-12.77	26.50	0.034	-29.37	51.00	0.061	-24.29	75.50	0.009	-40.92
-6.00	0.201	-13.94	6.25	0.247	-12.15	27.00	0.023	-32.77	51.50	0.064	-23.88	76.00	0.004	-47.96
-5.75	0.227	-12.88	6.50	0.258	-11.77	27.50	0.032	-29.90	52.00	0.063	-24.01	76.50	0.005	-46.02
-5.50	0.246	-12.18	6.75	0.262	-11.63	28.00	0.047	-26.56	52.50	0.060	-24.44	77.00	0.010	-40.00
-5.25	0.260	-11.70	7.00	0.259	-11.73	28.50	0.061	-24.29	53.00	0.053	-25.51	77.50	0.015	-36.48
-5.00	0.266	-11.50	7.25	0.249	-12.08	29.00	0.068	-23.35	53.50	0.045	-26.94	78.00	0.020	-33.98
-4.75	0.264	-11.57	7.50	0.233	-12.65	29.50	0.070	-23.10	54.00	0.035	-29.12	78.50	0.024	-32.40
-4.50	0.253	-11.94	7.75	0.212	-13.47	30.00	0.065	-23.74	54.50	0.024	-32.40	79.00	0.028	-31.06
-4.25	0.233	-12.65	8.00	0.187	-14.56	30.50	0.054	-25.35	55.00	0.016	-35.92	79.50	0.031	-30.17
-4.00	0.204	-13.81	8.25	0.159	-15.97	31.00	0.039	-28.18	55.50	0.018	-34.89	80.00	0.033	-29.63
-3.75	0.166	-15.60	8.50	0.130	-17.72	31.50	0.025	-32.04	56.00	0.027	-31.37	80.50	0.035	-29.12
-3.50	0.120	-18.42	8.75	0.104	-19.66	32.00	0.021	-33.56	56.50	0.037	-28.64	81.00	0.037	-28.64
-3.25	0.071	-22.97	9.00	0.082	-21.72	32.50	0.032	-29.90	57.00	0.047	-26.56	81.50	0.038	-28.40
-3.00	0.044	-27.13	9.25	0.072	-22.85	33.00	0.046	-26.74	57.50	0.056	-25.04	82.00	0.038	-28.40
-2.75	0.091	-20.82	9.50	0.076	-22.38	33.50	0.057	-24.88	58.00	0.062	-24.15	82.50	0.038	-28.40
-2.50	0.162	-15.81	9.75	0.090	-20.92	34.00	0.064	-23.88	58.50	0.066	-23.61	83.00	0.038	-28.40
-2.25	0.242	-12.32	10.00	0.107	-19.41	34.50	0.065	-23.74	59.00	0.068	-23.35	83.50	0.037	-28.64
-2.00	0.325	-9.76	10.50	0.138	-17.20	35.00	0.060	-24.44	59.50	0.068	-23.35	84.00	0.035	-29.12
-1.75	0.409	-7.77	11.00	0.154	-16.25	35.50	0.050	-26.02	60.00	0.065	-23.74	84.50	0.034	-29.37
-1.50	0.494	-6.13	11.50	0.153	-16.31	36.00	0.038	-28.40	60.50	0.060	-24.44	85.00	0.032	-29.90
-1.25	0.577	-4.78	12.00	0.135	-17.39	36.50	0.024	-32.40	61.00	0.053	-25.51	85.50	0.029	-30.75
-1.00	0.656	-3.66	12.50	0.105	-19.58	37.00	0.019	-34.42	61.50	0.045	-26.94	86.00	0.027	-31.37
-0.75	0.731	-2.72	13.00	0.070	-23.10	37.50	0.027	-31.37	62.00	0.036	-28.87	86.50	0.024	-32.40
-0.50	0.798	-1.96	13.50	0.046	-26.74	38.00	0.040	-27.96	62.50	0.026	-31.70	87.00	0.021	-33.56
-0.25	0.858	-1.33	14.00	0.058	-24.73	38.50	0.052	-25.68	63.00	0.017	-35.39	87.50	0.018	-34.89
0.00	0.908	-0.84	14.50	0.084	-21.51	39.00	0.059	-24.58	63.50	0.014	-37.08	88.00	0.014	-37.08
0.25	0.948	-0.46	15.00	0.104	-19.66	39.50	0.062	-24.15	64.00	0.019	-34.42	88.50	0.011	-39.17
0.50	0.977	-0.20	15.50	0.113	-18.94	40.00	0.061	-24.29	64.50	0.027	-31.37	89.00	0.007	-43.10
0.75	0.995	-0.04	16.00	0.110	-19.17	40.50	0.055	-25.19	65.00	0.037	-28.64	89.50	0.004	-47.96
1.00	1.000	0.00	16.50	0.094	-20.54	41.00	0.045	-26.94	65.50	0.046	-26.74	90.00	0.000	---
1.25	0.993	-0.06	17.00	0.071	-22.97	41.50	0.033	-29.63	66.00	0.054	-25.35			
1.50	0.975	-0.22	17.50	0.045	-26.94	42.00	0.022	-33.15	66.50	0.061	-24.29			
1.75	0.945	-0.49	18.00	0.034	-29.37	42.50	0.018	-34.89	67.00	0.067	-23.48			
2.00	0.904	-0.88	18.50	0.049	-26.20	43.00	0.027	-31.37	67.50	0.072	-22.85			