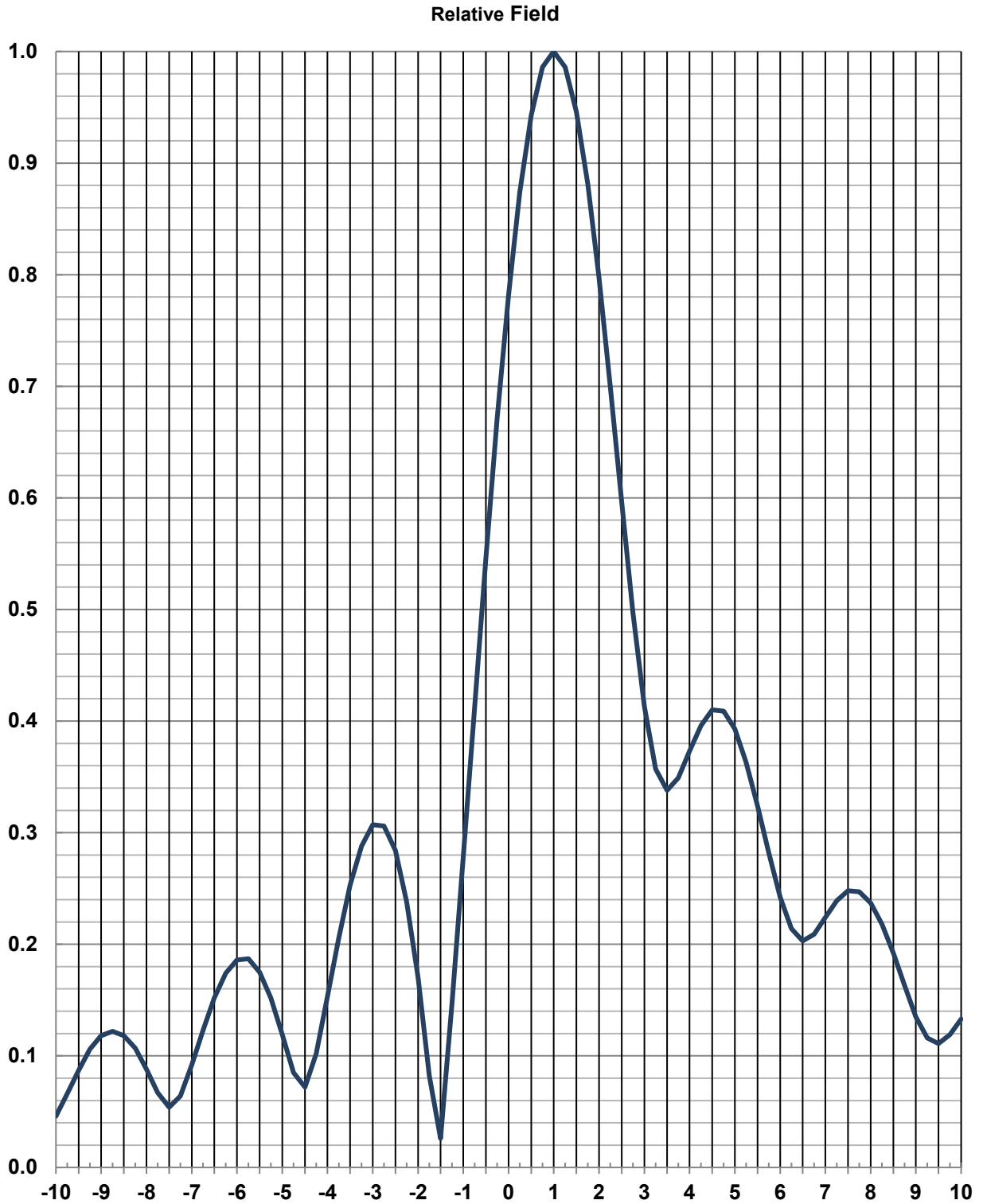


Elevation Pattern

Type:	CASCADE 20H4	Polarization:	Horizontal and Vertical
Directivity:		Beam Tilt:	1.00 degrees
Main Lobe:	20.00 numeric (13.01 dB)		
Horizontal:	12.23 numeric (10.87 dB)		



Tabulated Data for Elevation Pattern

Type:

CASCADE 20H4

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	0.046	-26.74	2.25	0.700	-3.10	19.00	0.074	-22.62	43.50	0.028	-31.06	68.00	0.048	-26.38
-9.75	0.066	-23.61	2.50	0.596	-4.50	19.50	0.079	-22.05	44.00	0.017	-35.39	68.50	0.041	-27.74
-9.50	0.087	-21.21	2.75	0.497	-6.07	20.00	0.068	-23.35	44.50	0.017	-35.39	69.00	0.032	-29.90
-9.25	0.106	-19.49	3.00	0.413	-7.68	20.50	0.047	-26.56	45.00	0.029	-30.75	69.50	0.022	-33.15
-9.00	0.118	-18.56	3.25	0.357	-8.95	21.00	0.034	-29.37	45.50	0.039	-28.18	70.00	0.011	-39.17
-8.75	0.122	-18.27	3.50	0.338	-9.42	21.50	0.045	-26.94	46.00	0.045	-26.94	70.50	0.000	---
-8.50	0.118	-18.56	3.75	0.349	-9.14	22.00	0.061	-24.29	46.50	0.045	-26.94	71.00	0.010	-40.00
-8.25	0.107	-19.41	4.00	0.373	-8.57	22.50	0.066	-23.61	47.00	0.040	-27.96	71.50	0.020	-33.98
-8.00	0.088	-21.11	4.25	0.396	-8.05	23.00	0.057	-24.88	47.50	0.029	-30.75	72.00	0.029	-30.75
-7.75	0.067	-23.48	4.50	0.410	-7.74	23.50	0.040	-27.96	48.00	0.018	-34.89	72.50	0.037	-28.64
-7.50	0.054	-25.35	4.75	0.409	-7.77	24.00	0.030	-30.46	48.50	0.016	-35.92	73.00	0.045	-26.94
-7.25	0.064	-23.88	5.00	0.393	-8.11	24.50	0.042	-27.54	49.00	0.025	-32.04	73.50	0.050	-26.02
-7.00	0.092	-20.72	5.25	0.363	-8.80	25.00	0.057	-24.88	49.50	0.036	-28.87	74.00	0.055	-25.19
-6.75	0.123	-18.20	5.50	0.324	-9.79	25.50	0.062	-24.15	50.00	0.043	-27.33	74.50	0.058	-24.73
-6.50	0.152	-16.36	5.75	0.282	-11.00	26.00	0.055	-25.19	50.50	0.045	-26.94	75.00	0.060	-24.44
-6.25	0.174	-15.19	6.00	0.242	-12.32	26.50	0.040	-27.96	51.00	0.042	-27.54	75.50	0.061	-24.29
-6.00	0.186	-14.61	6.25	0.214	-13.39	27.00	0.027	-31.37	51.50	0.034	-29.37	76.00	0.061	-24.29
-5.75	0.187	-14.56	6.50	0.203	-13.85	27.50	0.033	-29.63	52.00	0.023	-32.77	76.50	0.059	-24.58
-5.50	0.175	-15.14	6.75	0.209	-13.60	28.00	0.047	-26.56	52.50	0.013	-37.72	77.00	0.058	-24.73
-5.25	0.152	-16.36	7.00	0.224	-13.00	28.50	0.055	-25.19	53.00	0.015	-36.48	77.50	0.055	-25.19
-5.00	0.119	-18.49	7.25	0.239	-12.43	29.00	0.052	-25.68	53.50	0.026	-31.70	78.00	0.052	-25.68
-4.75	0.085	-21.41	7.50	0.248	-12.11	29.50	0.040	-27.96	54.00	0.037	-28.64	78.50	0.049	-26.20
-4.50	0.072	-22.85	7.75	0.247	-12.15	30.00	0.026	-31.70	54.50	0.044	-27.13	79.00	0.046	-26.74
-4.25	0.102	-19.83	8.00	0.237	-12.51	30.50	0.026	-31.70	55.00	0.047	-26.56	79.50	0.042	-27.54
-4.00	0.153	-16.31	8.25	0.218	-13.23	31.00	0.039	-28.18	55.50	0.045	-26.94	80.00	0.039	-28.18
-3.75	0.206	-13.72	8.50	0.192	-14.33	31.50	0.049	-26.20	56.00	0.039	-28.18	80.50	0.036	-28.87
-3.50	0.253	-11.94	8.75	0.163	-15.76	32.00	0.051	-25.85	56.50	0.030	-30.46	81.00	0.033	-29.63
-3.25	0.288	-10.81	9.00	0.135	-17.39	32.50	0.044	-27.13	57.00	0.019	-34.42	81.50	0.030	-30.46
-3.00	0.307	-10.26	9.25	0.116	-18.71	33.00	0.030	-30.46	57.50	0.009	-40.92	82.00	0.027	-31.37
-2.75	0.306	-10.29	9.50	0.111	-19.09	33.50	0.020	-33.98	58.00	0.013	-37.72	82.50	0.025	-32.04
-2.50	0.284	-10.93	9.75	0.119	-18.49	34.00	0.028	-31.06	58.50	0.024	-32.40	83.00	0.023	-32.77
-2.25	0.238	-12.47	10.00	0.133	-17.52	34.50	0.040	-27.96	59.00	0.034	-29.37	83.50	0.021	-33.56
-2.00	0.170	-15.39	10.50	0.152	-16.36	35.00	0.048	-26.38	59.50	0.041	-27.74	84.00	0.020	-33.98
-1.75	0.082	-21.72	11.00	0.145	-16.77	35.50	0.047	-26.56	60.00	0.044	-27.13	84.50	0.018	-34.89
-1.50	0.026	-31.70	11.50	0.113	-18.94	36.00	0.038	-28.40	60.50	0.044	-27.13	85.00	0.017	-35.39
-1.25	0.147	-16.65	12.00	0.077	-22.27	36.50	0.025	-32.04	61.00	0.041	-27.74	85.50	0.015	-36.48
-1.00	0.278	-11.12	12.50	0.077	-22.27	37.00	0.020	-33.98	61.50	0.034	-29.37	86.00	0.014	-37.08
-0.75	0.413	-7.68	13.00	0.101	-19.91	37.50	0.030	-30.46	62.00	0.024	-32.40	86.50	0.012	-38.42
-0.50	0.546	-5.26	13.50	0.115	-18.79	38.00	0.042	-27.54	62.50	0.013	-37.72	87.00	0.011	-39.17
-0.25	0.671	-3.47	14.00	0.105	-19.58	38.50	0.048	-26.38	63.00	0.004	-47.96	87.50	0.009	-40.92
0.00	0.782	-2.14	14.50	0.078	-22.16	39.00	0.047	-26.56	63.50	0.013	-37.72	88.00	0.007	-43.10
0.25	0.874	-1.17	15.00	0.054	-25.35	39.50	0.039	-28.18	64.00	0.025	-32.04	88.50	0.006	-44.44
0.50	0.943	-0.51	15.50	0.062	-24.15	40.00	0.026	-31.70	64.50	0.036	-28.87	89.00	0.004	-47.96
0.75	0.986	-0.12	16.00	0.084	-21.51	40.50	0.017	-35.39	65.00	0.045	-26.94	89.50	0.002	-53.98
1.00	1.000	0.00	16.50	0.092	-20.72	41.00	0.023	-32.77	65.50	0.052	-25.68	90.00	0.000	---
1.25	0.986	-0.12	17.00	0.082	-21.72	41.50	0.035	-29.12	66.00	0.056	-25.04			
1.50	0.946	-0.48	17.50	0.059	-24.58	42.00	0.043	-27.33	66.50	0.058	-24.73			
1.75	0.881	-1.10	18.00	0.044	-27.13	42.50	0.044	-27.13	67.00	0.057	-24.88			
2.00	0.797	-1.97	18.50	0.056	-25.04	43.00	0.039	-28.18	67.50	0.054	-25.35			