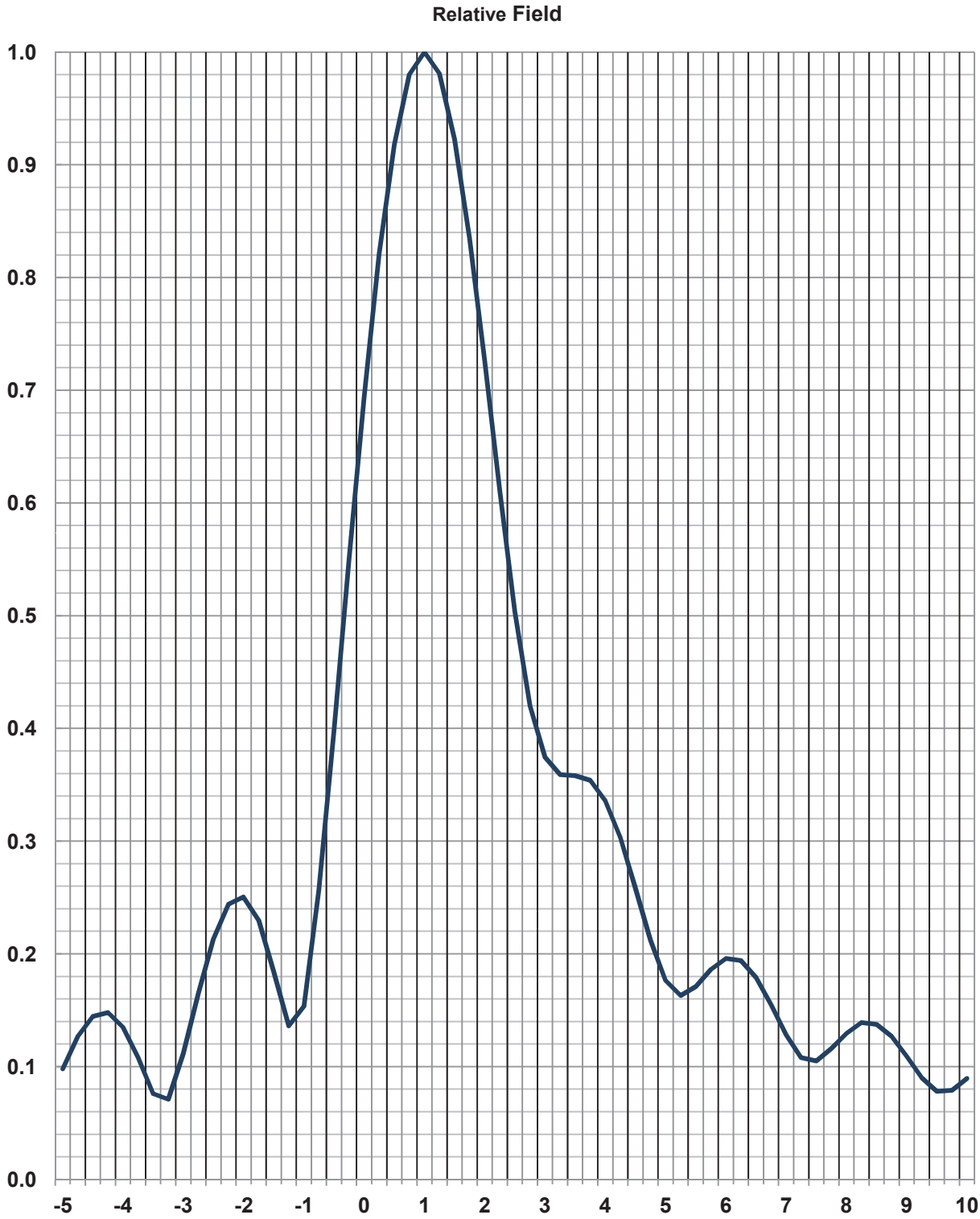
Elevation Pattern

Type:	ATW25H4H		**Polarization:**	Horizontal
Directivity:			**Frequency:**	17 (ATSC)
Main Lobe:	25.00 numeric	(13.98 dB)	**Location:**	Raleigh, NC
Horizontal:	12.06 numeric	(10.81 dB)	**Beam Tilt:**	1.00 degrees



Tabulated Data for Elevation Pattern

Type: ATW25H4H

-5 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
-5.00	0.098	-20.18	7.25	0.108	-19.33	29.00	0.041	-27.85	53.50	0.014	-37.08	78.00	0.041	-27.85
-4.75	0.127	-17.92	7.50	0.105	-19.58	29.50	0.037	-28.75	54.00	0.015	-36.48	78.50	0.039	-28.29
-4.50	0.145	-16.80	7.75	0.116	-18.71	30.00	0.025	-32.04	54.50	0.025	-32.04	79.00	0.036	-29.00
-4.25	0.148	-16.59	8.00	0.130	-17.75	30.50	0.022	-33.15	55.00	0.033	-29.76	79.50	0.033	-29.76
-4.00	0.135	-17.39	8.25	0.139	-17.14	31.00	0.032	-29.90	55.50	0.037	-28.75	80.00	0.029	-30.90
-3.75	0.108	-19.33	8.50	0.138	-17.23	31.50	0.039	-28.18	56.00	0.035	-29.24	80.50	0.025	-32.22
-3.50	0.076	-22.38	8.75	0.127	-17.92	32.00	0.035	-29.12	56.50	0.028	-31.06	81.00	0.021	-33.76
-3.25	0.071	-22.97	9.00	0.109	-19.25	32.50	0.024	-32.40	57.00	0.018	-34.89	81.50	0.017	-35.65
-3.00	0.112	-19.05	9.25	0.090	-20.92	33.00	0.021	-33.76	57.50	0.011	-39.17	82.00	0.013	-38.06
-2.75	0.165	-15.65	9.50	0.078	-22.16	33.50	0.030	-30.46	58.00	0.016	-35.92	82.50	0.010	-40.45
-2.50	0.213	-13.43	9.75	0.079	-22.05	34.00	0.037	-28.64	58.50	0.026	-31.70	83.00	0.006	-44.44
-2.25	0.244	-12.25	10.00	0.090	-20.96	34.50	0.035	-29.24	59.00	0.034	-29.50	83.50	0.004	-49.12
-2.00	0.251	-12.02	10.50	0.108	-19.37	35.00	0.025	-32.04	59.50	0.037	-28.64	84.00	0.002	-53.98
-1.75	0.230	-12.77	11.00	0.097	-20.26	35.50	0.018	-34.89	60.00	0.036	-29.00	84.50	0.003	-52.04
-1.50	0.185	-14.68	11.50	0.069	-23.29	36.00	0.026	-31.70	60.50	0.030	-30.46	85.00	0.004	-47.96
-1.25	0.136	-17.33	12.00	0.064	-23.94	36.50	0.035	-29.24	61.00	0.021	-33.56	85.50	0.005	-46.02
-1.00	0.154	-16.28	12.50	0.083	-21.67	37.00	0.036	-29.00	61.50	0.011	-39.17	86.00	0.005	-46.02
-0.75	0.257	-11.80	13.00	0.086	-21.31	37.50	0.027	-31.37	62.00	0.010	-40.45	86.50	0.006	-44.44
-0.50	0.399	-7.98	13.50	0.067	-23.54	38.00	0.018	-35.14	62.50	0.019	-34.42	87.00	0.006	-44.44
-0.25	0.550	-5.19	14.00	0.049	-26.20	38.50	0.020	-33.98	63.00	0.028	-31.06	87.50	0.005	-46.02
0.00	0.695	-3.17	14.50	0.061	-24.29	39.00	0.031	-30.31	63.50	0.035	-29.24	88.00	0.005	-46.02
0.25	0.821	-1.71	15.00	0.074	-22.67	39.50	0.035	-29.12	64.00	0.038	-28.40	88.50	0.004	-47.96
0.50	0.918	-0.74	15.50	0.066	-23.68	40.00	0.032	-30.03	64.50	0.038	-28.52	89.00	0.003	-50.46
0.75	0.980	-0.18	16.00	0.046	-26.84	40.50	0.022	-33.35	65.00	0.034	-29.50	89.50	0.002	-53.98
1.00	1.000	0.00	16.50	0.044	-27.13	41.00	0.016	-36.19	65.50	0.026	-31.70	90.00	0.001	-66.02
1.25	0.981	-0.17	17.00	0.059	-24.58	41.50	0.024	-32.40	66.00	0.017	-35.39			
1.50	0.923	-0.70	17.50	0.061	-24.29	42.00	0.033	-29.76	66.50	0.008	-42.50			
1.75	0.835	-1.57	18.00	0.047	-26.56	42.50	0.035	-29.12	67.00	0.008	-42.50			
2.00	0.726	-2.78	18.50	0.034	-29.37	43.00	0.029	-30.75	67.50	0.017	-35.39			
2.25	0.610	-4.29	19.00	0.045	-27.03	43.50	0.019	-34.42	68.00	0.026	-31.70			
2.50	0.504	-5.96	19.50	0.056	-25.11	44.00	0.016	-36.19	68.50	0.034	-29.50			
2.75	0.420	-7.54	20.00	0.051	-25.93	44.50	0.024	-32.40	69.00	0.038	-28.40			
3.00	0.375	-8.53	20.50	0.035	-29.24	45.00	0.033	-29.76	69.50	0.040	-27.96			
3.25	0.359	-8.90	21.00	0.032	-29.90	45.50	0.035	-29.24	70.00	0.040	-27.96			
3.50	0.358	-8.92	21.50	0.045	-26.94	46.00	0.030	-30.60	70.50	0.037	-28.64			
3.75	0.354	-9.02	22.00	0.050	-26.11	46.50	0.020	-33.98	71.00	0.032	-29.90			
4.00	0.336	-9.47	22.50	0.041	-27.85	47.00	0.015	-36.77	71.50	0.026	-31.87			
4.25	0.303	-10.37	23.00	0.028	-31.21	47.50	0.022	-33.15	72.00	0.018	-35.14			
4.50	0.259	-11.75	23.50	0.033	-29.76	48.00	0.032	-30.03	72.50	0.009	-40.92			
4.75	0.212	-13.47	24.00	0.044	-27.13	48.50	0.036	-29.00	73.00	0.001	-60.00			
5.00	0.177	-15.07	24.50	0.045	-27.03	49.00	0.033	-29.76	73.50	0.009	-40.92			
5.25	0.163	-15.76	25.00	0.033	-29.76	49.50	0.024	-32.40	74.00	0.017	-35.39			
5.50	0.171	-15.34	25.50	0.025	-32.22	50.00	0.015	-36.77	74.50	0.025	-32.22			
5.75	0.186	-14.61	26.00	0.034	-29.37	50.50	0.016	-35.92	75.00	0.031	-30.31			
6.00	0.196	-14.15	26.50	0.043	-27.43	51.00	0.026	-31.70	75.50	0.036	-29.00			
6.25	0.194	-14.24	27.00	0.040	-27.96	51.50	0.034	-29.50	76.00	0.039	-28.18			
6.50	0.179	-14.94	27.50	0.029	-30.90	52.00	0.036	-28.87	76.50	0.041	-27.74			
6.75	0.155	-16.19	28.00	0.024	-32.58	52.50	0.032	-29.90	77.00	0.042	-27.54			
7.00	0.128	-17.86	28.50	0.034	-29.50	53.00	0.023	-32.77	77.50	0.042	-27.54			