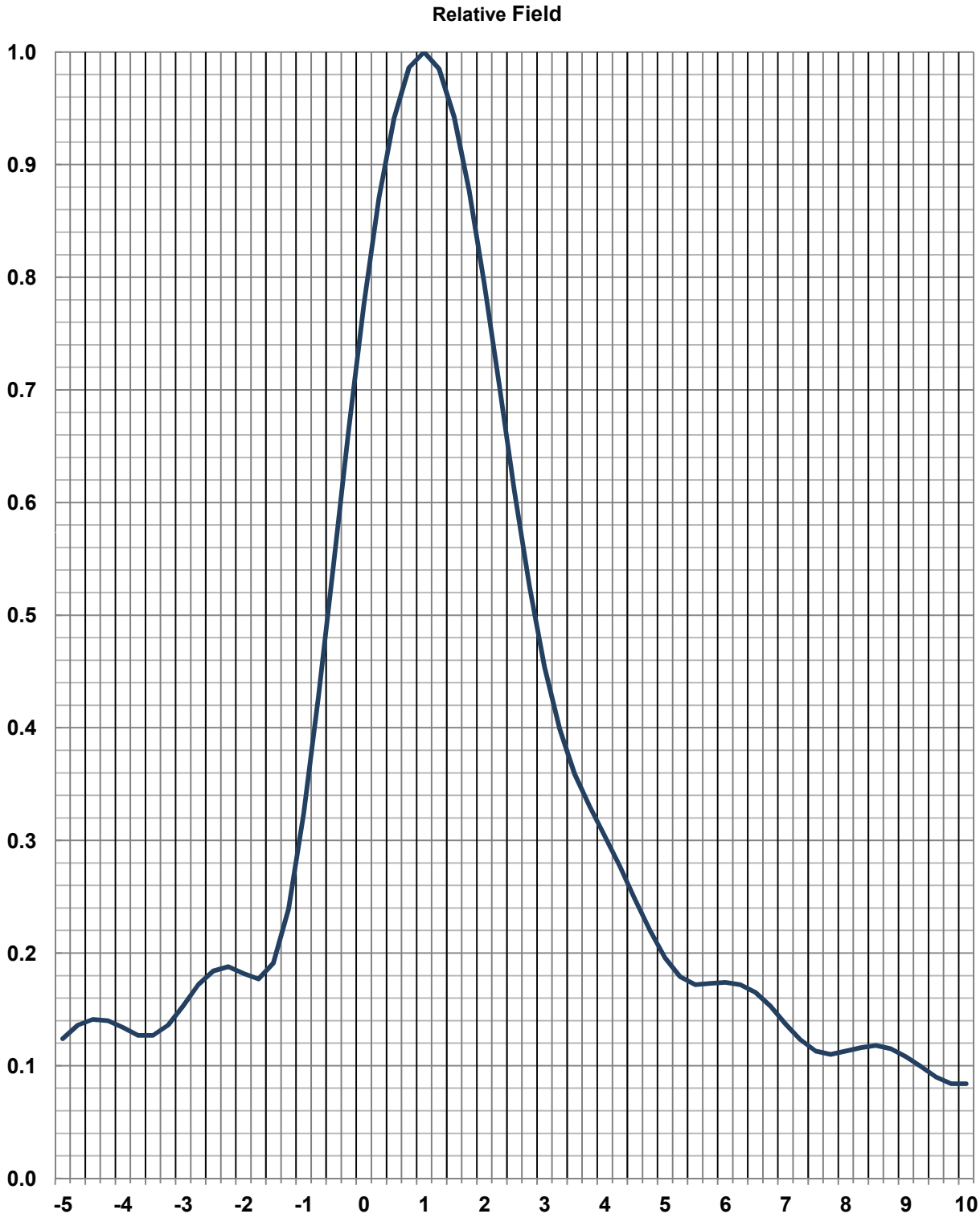
Elevation Pattern

Type:	23HS4H		**Polarization:**	Horizontal
Directivity:			**Frequency:**	36 (ATSC)
Main Lobe:	23.00 numeric	(13.62 dB)	**Location:**	Tazewell, TN
Horizontal:	13.85 numeric	(11.41 dB)	**Beam Tilt:**	1.00 degrees



Tabulated Data for Elevation Pattern

Type: 23HS4H

-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	0.124	-18.13	7.25	0.123	-18.20	29.00	0.027	-31.37	53.50	0.026	-31.70	78.00	0.033	-29.63
-4.75	0.136	-17.33	7.50	0.113	-18.94	29.50	0.033	-29.63	54.00	0.030	-30.46	78.50	0.030	-30.46
-4.50	0.141	-17.02	7.75	0.110	-19.17	30.00	0.039	-28.18	54.50	0.035	-29.12	79.00	0.027	-31.37
-4.25	0.140	-17.08	8.00	0.113	-18.94	30.50	0.038	-28.40	55.00	0.036	-28.87	79.50	0.025	-32.04
-4.00	0.134	-17.46	8.25	0.116	-18.71	31.00	0.032	-29.90	55.50	0.035	-29.12	80.00	0.022	-33.15
-3.75	0.127	-17.92	8.50	0.118	-18.56	31.50	0.025	-32.04	56.00	0.030	-30.46	80.50	0.020	-33.98
-3.50	0.127	-17.92	8.75	0.115	-18.79	32.00	0.029	-30.75	56.50	0.026	-31.70	81.00	0.018	-34.89
-3.25	0.136	-17.33	9.00	0.108	-19.33	32.50	0.036	-28.87	57.00	0.025	-32.04	81.50	0.016	-35.92
-3.00	0.153	-16.31	9.25	0.099	-20.09	33.00	0.038	-28.40	57.50	0.028	-31.06	82.00	0.015	-36.48
-2.75	0.172	-15.29	9.50	0.090	-20.92	33.50	0.034	-29.37	58.00	0.032	-29.90	82.50	0.014	-37.08
-2.50	0.184	-14.70	9.75	0.084	-21.51	34.00	0.026	-31.70	58.50	0.035	-29.12	83.00	0.014	-37.08
-2.25	0.188	-14.52	10.00	0.084	-21.51	34.50	0.026	-31.70	59.00	0.036	-28.87	83.50	0.014	-37.08
-2.00	0.182	-14.80	10.50	0.089	-21.01	35.00	0.032	-29.90	59.50	0.036	-28.87	84.00	0.015	-36.48
-1.75	0.177	-15.04	11.00	0.089	-21.01	35.50	0.036	-28.87	60.00	0.033	-29.63	84.50	0.015	-36.48
-1.50	0.191	-14.38	11.50	0.076	-22.38	36.00	0.035	-29.12	60.50	0.029	-30.75	85.00	0.015	-36.48
-1.25	0.239	-12.43	12.00	0.065	-23.74	36.50	0.029	-30.75	61.00	0.027	-31.37	85.50	0.014	-37.08
-1.00	0.324	-9.79	12.50	0.069	-23.22	37.00	0.024	-32.40	61.50	0.028	-31.06	86.00	0.013	-37.72
-0.75	0.429	-7.35	13.00	0.076	-22.38	37.50	0.028	-31.06	62.00	0.030	-30.46	86.50	0.013	-37.72
-0.50	0.547	-5.24	13.50	0.072	-22.85	38.00	0.034	-29.37	62.50	0.034	-29.37	87.00	0.011	-39.17
-0.25	0.665	-3.54	14.00	0.057	-24.88	38.50	0.036	-28.87	63.00	0.037	-28.64	87.50	0.010	-40.00
0.00	0.776	-2.20	14.50	0.052	-25.68	39.00	0.033	-29.63	63.50	0.038	-28.40	88.00	0.009	-40.92
0.25	0.870	-1.21	15.00	0.060	-24.44	39.50	0.026	-31.70	64.00	0.038	-28.40	88.50	0.007	-43.10
0.50	0.941	-0.53	15.50	0.065	-23.74	40.00	0.023	-32.77	64.50	0.036	-28.87	89.00	0.005	-46.02
0.75	0.986	-0.12	16.00	0.058	-24.73	40.50	0.028	-31.06	65.00	0.033	-29.63	89.50	0.003	-50.46
1.00	1.000	0.00	16.50	0.047	-26.56	41.00	0.034	-29.37	65.50	0.029	-30.75	90.00	0.000	---
1.25	0.985	-0.13	17.00	0.046	-26.74	41.50	0.036	-28.87	66.00	0.027	-31.37			
1.50	0.942	-0.52	17.50	0.054	-25.35	42.00	0.033	-29.63	66.50	0.027	-31.37			
1.75	0.877	-1.14	18.00	0.057	-24.88	42.50	0.026	-31.70	67.00	0.029	-30.75			
2.00	0.794	-2.00	18.50	0.048	-26.38	43.00	0.023	-32.77	67.50	0.034	-29.37			
2.25	0.703	-3.06	19.00	0.040	-27.96	43.50	0.027	-31.37	68.00	0.036	-28.87			
2.50	0.610	-4.29	19.50	0.043	-27.33	44.00	0.033	-29.63	68.50	0.039	-28.18			
2.75	0.525	-5.60	20.00	0.051	-25.85	44.50	0.035	-29.12	69.00	0.040	-27.96			
3.00	0.454	-6.86	20.50	0.050	-26.02	45.00	0.033	-29.63	69.50	0.040	-27.96			
3.25	0.399	-7.98	21.00	0.041	-27.74	45.50	0.028	-31.06	70.00	0.038	-28.40			
3.50	0.359	-8.90	21.50	0.034	-29.37	46.00	0.024	-32.40	70.50	0.036	-28.87			
3.75	0.330	-9.63	22.00	0.041	-27.74	46.50	0.026	-31.70	71.00	0.033	-29.63			
4.00	0.304	-10.34	22.50	0.048	-26.38	47.00	0.030	-30.46	71.50	0.030	-30.46			
4.25	0.277	-11.15	23.00	0.045	-26.94	47.50	0.035	-29.12	72.00	0.028	-31.06			
4.50	0.248	-12.11	23.50	0.036	-28.87	48.00	0.035	-29.12	72.50	0.027	-31.37			
4.75	0.220	-13.15	24.00	0.031	-30.17	48.50	0.030	-30.46	73.00	0.027	-31.37			
5.00	0.196	-14.15	24.50	0.038	-28.40	49.00	0.026	-31.70	73.50	0.029	-30.75			
5.25	0.179	-14.94	25.00	0.044	-27.13	49.50	0.024	-32.40	74.00	0.031	-30.17			
5.50	0.172	-15.29	25.50	0.042	-27.54	50.00	0.028	-31.06	74.50	0.033	-29.63			
5.75	0.173	-15.24	26.00	0.034	-29.37	50.50	0.033	-29.63	75.00	0.035	-29.12			
6.00	0.174	-15.19	26.50	0.029	-30.75	51.00	0.036	-28.87	75.50	0.036	-28.87			
6.25	0.172	-15.29	27.00	0.036	-28.87	51.50	0.035	-29.12	76.00	0.037	-28.64			
6.50	0.165	-15.65	27.50	0.041	-27.74	52.00	0.032	-29.90	76.50	0.037	-28.64			
6.75	0.153	-16.31	28.00	0.040	-27.96	52.50	0.026	-31.70	77.00	0.036	-28.87			
7.00	0.137	-17.27	28.50	0.031	-30.17	53.00	0.024	-32.40	77.50	0.035	-29.12			