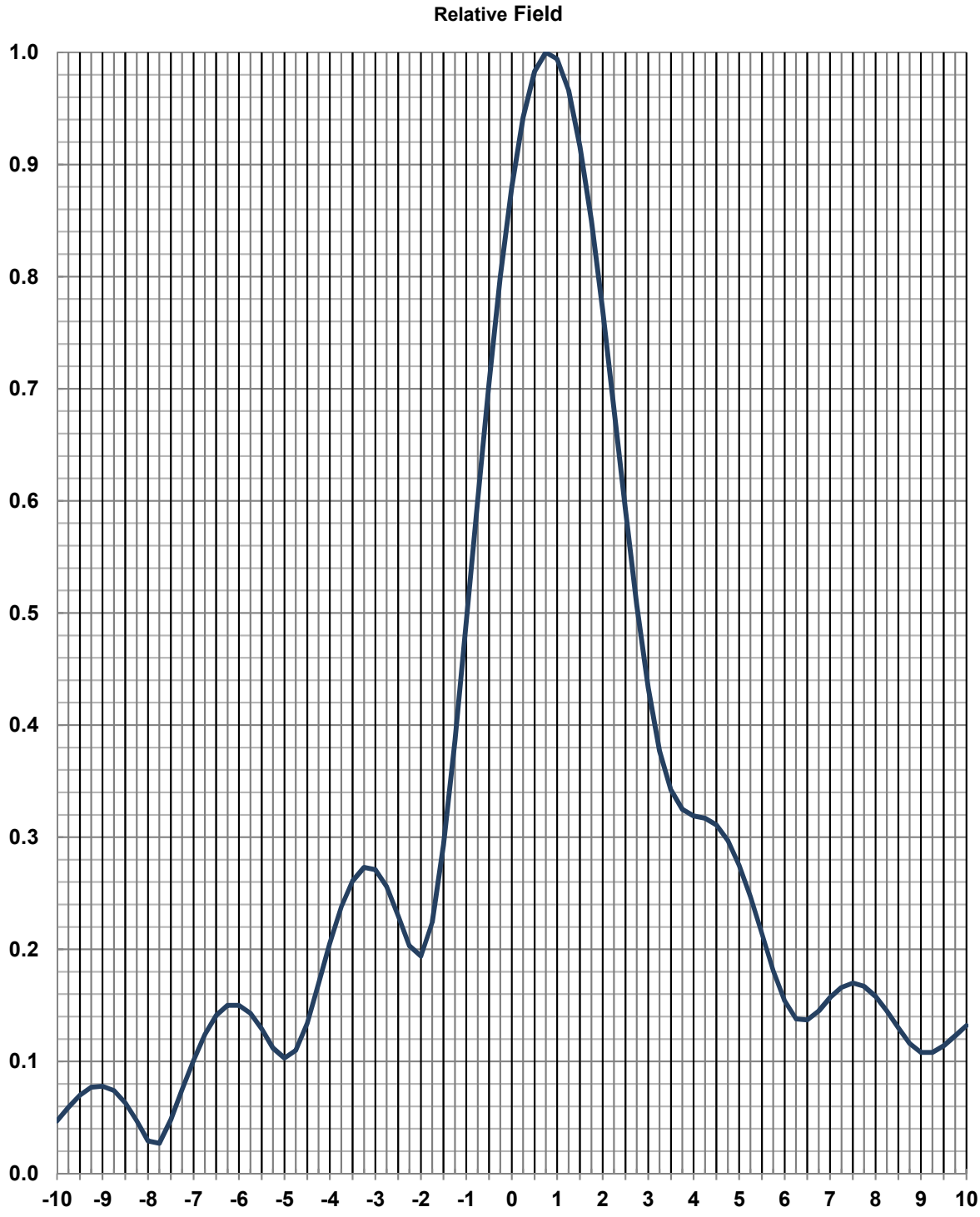
Elevation Pattern

Type:	ATW19H3H		**Polarization:**	Horizontal
Directivity:			**Frequency:**	17 (ATSC)
Main Lobe:	19.00 numeric	(12.79 dB)	**Location:**	Owensboro, KY
Horizontal:	14.51 numeric	(11.62 dB)	**Beam Tilt:**	0.75 degrees



Tabulated Data for Elevation Pattern

Type: ATW19H3H

-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	0.047	-26.56	2.25	0.682	-3.32	19.00	0.064	-23.88	43.50	0.021	-33.56	68.00	0.031	-30.17
-9.75	0.059	-24.58	2.50	0.592	-4.55	19.50	0.058	-24.73	44.00	0.022	-33.15	68.50	0.025	-32.04
-9.50	0.070	-23.10	2.75	0.507	-5.90	20.00	0.048	-26.38	44.50	0.029	-30.75	69.00	0.020	-33.98
-9.25	0.077	-22.27	3.00	0.433	-7.27	20.50	0.038	-28.40	45.00	0.036	-28.87	69.50	0.017	-35.39
-9.00	0.078	-22.16	3.25	0.377	-8.47	21.00	0.039	-28.18	45.50	0.041	-27.74	70.00	0.018	-34.89
-8.75	0.074	-22.62	3.50	0.342	-9.32	21.50	0.047	-26.56	46.00	0.042	-27.54	70.50	0.023	-32.77
-8.50	0.063	-24.01	3.75	0.325	-9.76	22.00	0.053	-25.51	46.50	0.038	-28.40	71.00	0.029	-30.75
-8.25	0.047	-26.56	4.00	0.319	-9.92	22.50	0.052	-25.68	47.00	0.032	-29.90	71.50	0.035	-29.12
-8.00	0.029	-30.75	4.25	0.317	-9.98	23.00	0.045	-26.94	47.50	0.026	-31.70	72.00	0.040	-27.96
-7.75	0.027	-31.37	4.50	0.311	-10.14	23.50	0.037	-28.64	48.00	0.026	-31.70	72.50	0.045	-26.94
-7.50	0.048	-26.38	4.75	0.297	-10.54	24.00	0.035	-29.12	48.50	0.033	-29.63	73.00	0.048	-26.38
-7.25	0.075	-22.50	5.00	0.275	-11.21	24.50	0.037	-28.64	49.00	0.042	-27.54	73.50	0.051	-25.85
-7.00	0.101	-19.91	5.25	0.247	-12.15	25.00	0.037	-28.64	49.50	0.048	-26.38	74.00	0.052	-25.68
-6.75	0.124	-18.13	5.50	0.214	-13.39	25.50	0.032	-29.90	50.00	0.052	-25.68	74.50	0.053	-25.51
-6.50	0.141	-17.02	5.75	0.181	-14.85	26.00	0.026	-31.70	50.50	0.051	-25.85	75.00	0.052	-25.68
-6.25	0.150	-16.48	6.00	0.154	-16.25	26.50	0.026	-31.70	51.00	0.046	-26.74	75.50	0.050	-26.02
-6.00	0.150	-16.48	6.25	0.138	-17.20	27.00	0.036	-28.87	51.50	0.040	-27.96	76.00	0.048	-26.38
-5.75	0.143	-16.89	6.50	0.137	-17.27	27.50	0.048	-26.38	52.00	0.033	-29.63	76.50	0.045	-26.94
-5.50	0.129	-17.79	6.75	0.145	-16.77	28.00	0.054	-25.35	52.50	0.031	-30.17	77.00	0.041	-27.74
-5.25	0.112	-19.02	7.00	0.157	-16.08	28.50	0.054	-25.35	53.00	0.034	-29.37	77.50	0.037	-28.64
-5.00	0.103	-19.74	7.25	0.166	-15.60	29.00	0.047	-26.56	53.50	0.040	-27.96	78.00	0.033	-29.63
-4.75	0.110	-19.17	7.50	0.170	-15.39	29.50	0.038	-28.40	54.00	0.046	-26.74	78.50	0.029	-30.75
-4.50	0.134	-17.46	7.75	0.167	-15.55	30.00	0.034	-29.37	54.50	0.049	-26.20	79.00	0.024	-32.40
-4.25	0.169	-15.44	8.00	0.158	-16.03	30.50	0.037	-28.64	55.00	0.049	-26.20	79.50	0.020	-33.98
-4.00	0.205	-13.76	8.25	0.145	-16.77	31.00	0.042	-27.54	55.50	0.046	-26.74	80.00	0.016	-35.92
-3.75	0.238	-12.47	8.50	0.130	-17.72	31.50	0.042	-27.54	56.00	0.040	-27.96	80.50	0.013	-37.72
-3.50	0.261	-11.67	8.75	0.116	-18.71	32.00	0.036	-28.87	56.50	0.032	-29.90	81.00	0.010	-40.00
-3.25	0.273	-11.28	9.00	0.108	-19.33	32.50	0.024	-32.40	57.00	0.024	-32.40	81.50	0.009	-40.92
-3.00	0.271	-11.34	9.25	0.108	-19.33	33.00	0.014	-37.08	57.50	0.020	-33.98	82.00	0.008	-41.94
-2.75	0.256	-11.84	9.50	0.114	-18.86	33.50	0.019	-34.42	58.00	0.022	-33.15	82.50	0.008	-41.94
-2.50	0.230	-12.77	9.75	0.123	-18.20	34.00	0.030	-30.46	58.50	0.027	-31.37	83.00	0.009	-40.92
-2.25	0.203	-13.85	10.00	0.132	-17.59	34.50	0.038	-28.40	59.00	0.033	-29.63	83.50	0.010	-40.00
-2.00	0.194	-14.24	10.50	0.137	-17.27	35.00	0.039	-28.18	59.50	0.036	-28.87	84.00	0.010	-40.00
-1.75	0.224	-13.00	11.00	0.123	-18.20	35.50	0.035	-29.12	60.00	0.038	-28.40	84.50	0.011	-39.17
-1.50	0.293	-10.66	11.50	0.098	-20.18	36.00	0.028	-31.06	60.50	0.036	-28.87	85.00	0.011	-39.17
-1.25	0.386	-8.27	12.00	0.081	-21.83	36.50	0.027	-31.37	61.00	0.032	-29.90	85.50	0.011	-39.17
-1.00	0.492	-6.16	12.50	0.086	-21.31	37.00	0.034	-29.37	61.50	0.025	-32.04	86.00	0.011	-39.17
-0.75	0.601	-4.42	13.00	0.099	-20.09	37.50	0.044	-27.13	62.00	0.016	-35.92	86.50	0.010	-40.00
-0.50	0.705	-3.04	13.50	0.103	-19.74	38.00	0.051	-25.85	62.50	0.007	-43.10	87.00	0.009	-40.92
-0.25	0.800	-1.94	14.00	0.092	-20.72	38.50	0.052	-25.68	63.00	0.004	-47.96	87.50	0.008	-41.94
0.00	0.880	-1.11	14.50	0.072	-22.85	39.00	0.047	-26.56	63.50	0.013	-37.72	88.00	0.007	-43.10
0.25	0.942	-0.52	15.00	0.057	-24.88	39.50	0.039	-28.18	64.00	0.022	-33.15	88.50	0.005	-46.02
0.50	0.983	-0.15	15.50	0.060	-24.44	40.00	0.030	-30.46	64.50	0.030	-30.46	89.00	0.003	-50.46
0.75	1.000	0.00	16.00	0.071	-22.97	40.50	0.026	-31.70	65.00	0.036	-28.87	89.50	0.002	-53.98
1.00	0.994	-0.05	16.50	0.077	-22.27	41.00	0.029	-30.75	65.50	0.040	-27.96	90.00	0.000	---
1.25	0.966	-0.30	17.00	0.074	-22.62	41.50	0.033	-29.63	66.00	0.042	-27.54			
1.50	0.916	-0.76	17.50	0.068	-23.35	42.00	0.035	-29.12	66.50	0.042	-27.54			
1.75	0.850	-1.41	18.00	0.064	-23.88	42.50	0.033	-29.63	67.00	0.039	-28.18			
2.00	0.770	-2.27	18.50	0.064	-23.88	43.00	0.027	-31.37	67.50	0.036	-28.87			