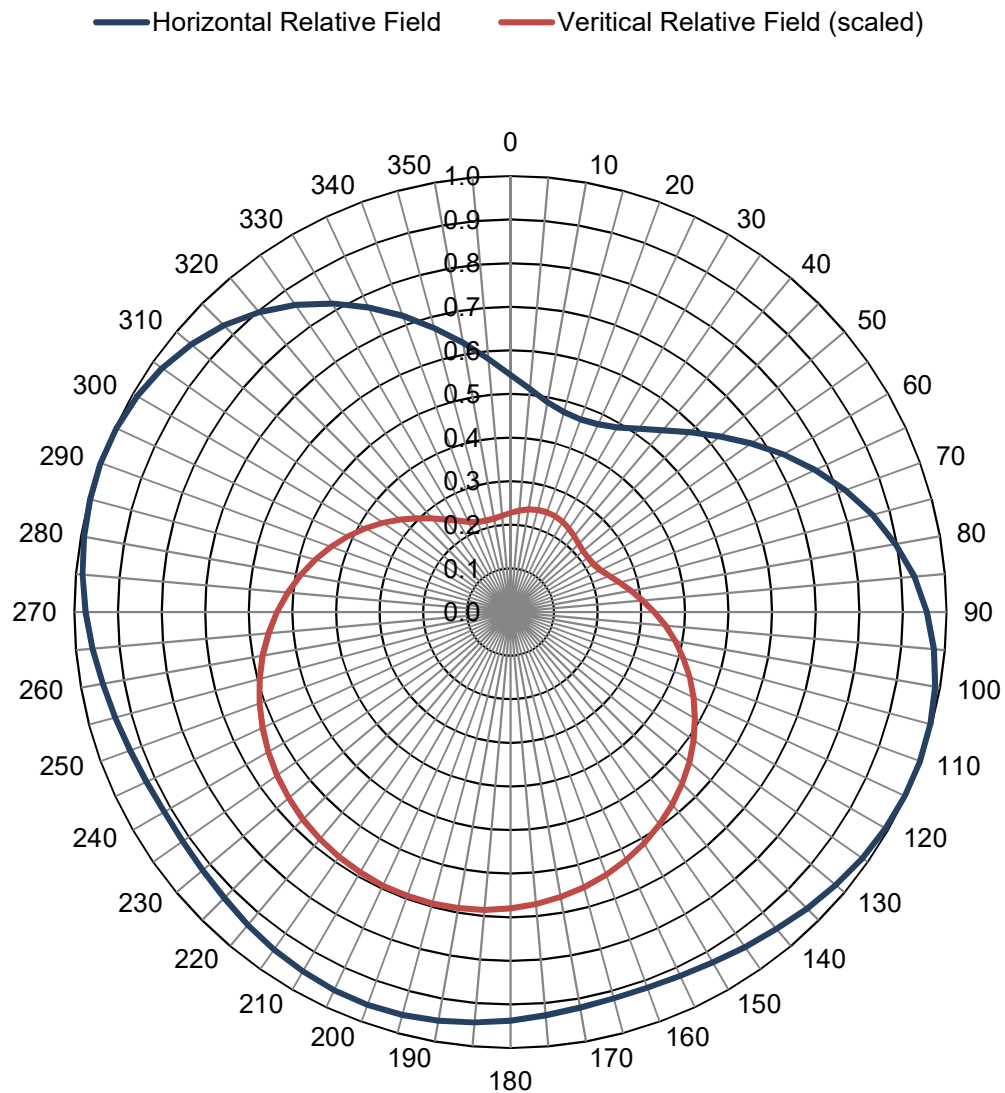


## Composite Azimuth Patterns

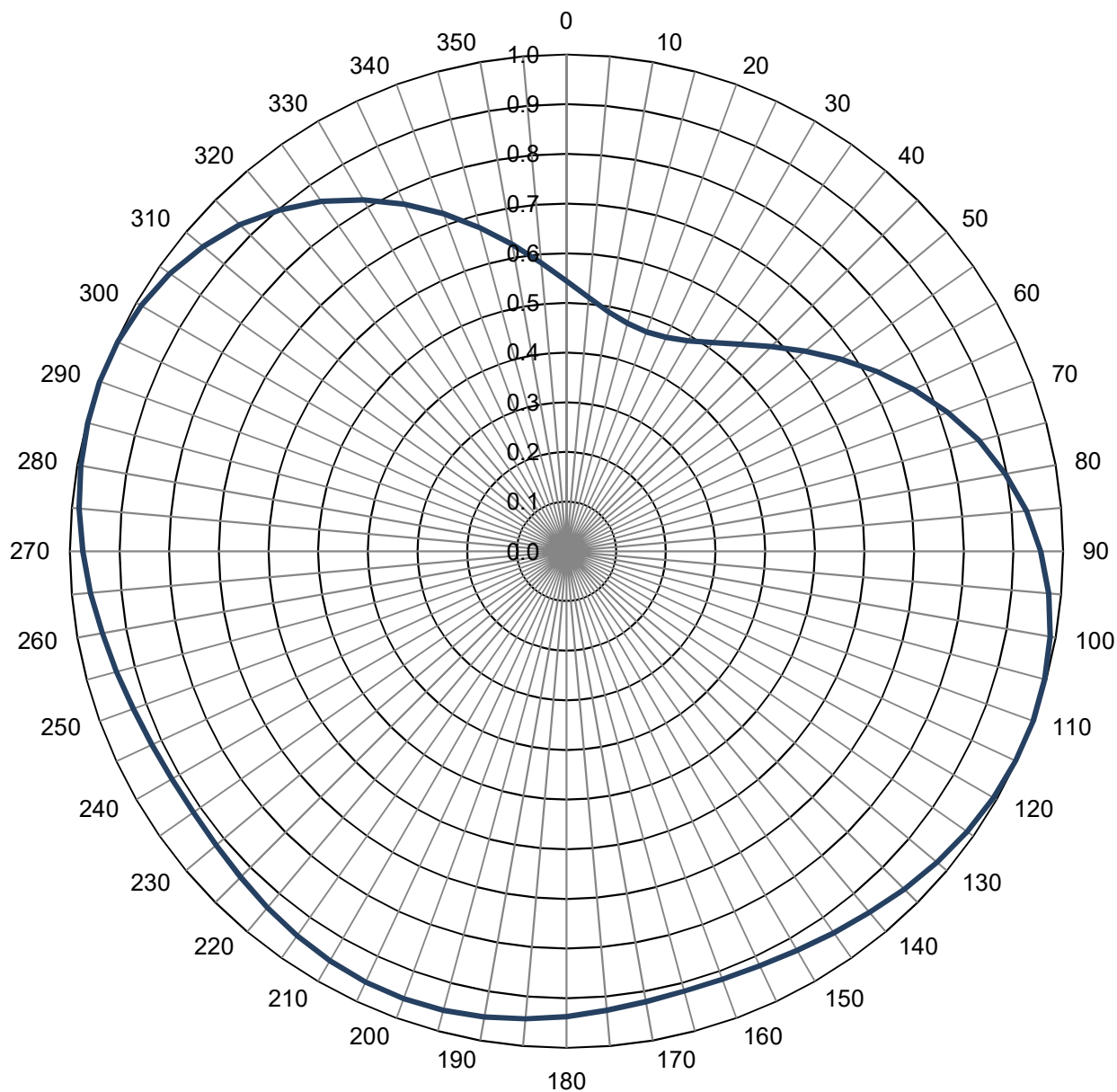
Type:	ATW-Cx		Polarization:	Elliptical
Directivity (H-Pol):	1.33 numeric	(1.24 dB)	Frequency:	14 (ATSC)
Directivity (V-Pol):	2.12 numeric	(3.27 dB)	Location:	Hickory NC
Percent Horizontal:	73.67%		NOTE: Pattern shape and directivity may vary with channel and mounting	
Percent Vertical:	26.33%			
Power Ratio:	35.74%			
ERP V/H Ratio::	48.00%			



## Azimuth Pattern

Type:	ATW-Cx	Polarization:	Horizontal
Directivity:	1.33 numeric (1.24 dB)	Frequency:	14 (ATSC)
Peak(s) at:		Location:	Hickory NC
		NOTE: Pattern shape and directivity may vary with channel and mounting configuration.	

## Relative Field



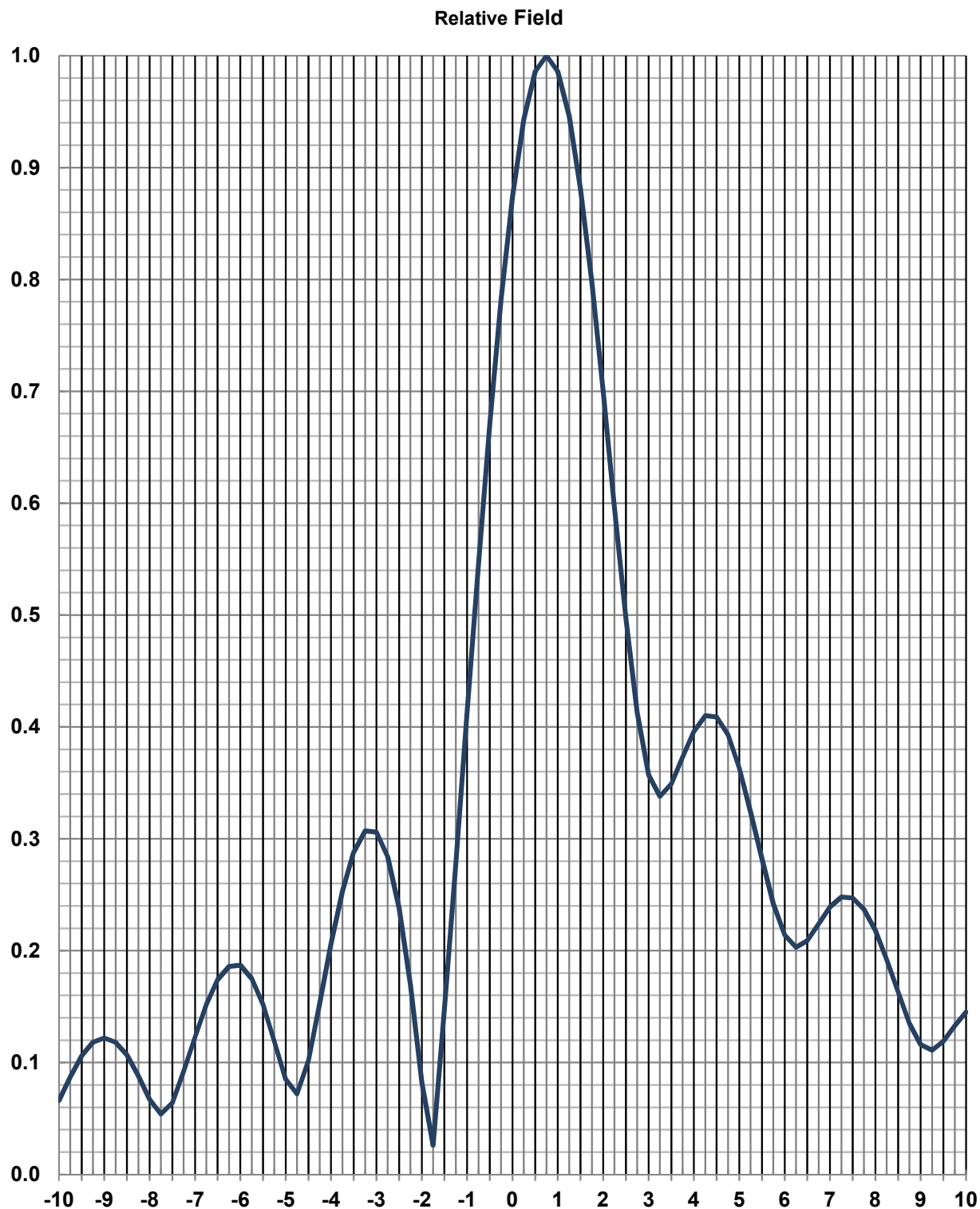
**Tabulated Data for Azimuth Pattern**

Type: ATW-Cx

Angle	Field	dB	Angle	Field	dB	Angle	Field	dB	Angle	Field	dB
0	0.544	-5.29	100	0.989	-0.10	200	0.959	-0.36	300	0.989	-0.10
2	0.531	-5.50	102	0.993	-0.06	202	0.959	-0.36	302	0.984	-0.14
4	0.519	-5.70	104	0.996	-0.03	204	0.958	-0.37	304	0.978	-0.19
6	0.508	-5.88	106	0.998	-0.02	206	0.957	-0.38	306	0.972	-0.25
8	0.498	-6.06	108	0.999	-0.01	208	0.955	-0.40	308	0.964	-0.32
10	0.489	-6.21	110	1.000	0.00	210	0.952	-0.43	310	0.955	-0.40
12	0.483	-6.32	112	1.000	0.00	212	0.950	-0.45	312	0.946	-0.48
14	0.477	-6.43	114	0.999	-0.01	214	0.947	-0.47	314	0.935	-0.58
16	0.473	-6.50	116	0.998	-0.02	216	0.943	-0.51	316	0.924	-0.69
18	0.471	-6.54	118	0.996	-0.03	218	0.940	-0.54	318	0.911	-0.81
20	0.470	-6.56	120	0.993	-0.06	220	0.937	-0.57	320	0.897	-0.94
22	0.471	-6.54	122	0.990	-0.09	222	0.933	-0.60	322	0.883	-1.08
24	0.473	-6.50	124	0.987	-0.11	224	0.930	-0.63	324	0.868	-1.23
26	0.477	-6.43	126	0.983	-0.15	226	0.927	-0.66	326	0.852	-1.39
28	0.483	-6.32	128	0.979	-0.18	228	0.924	-0.69	328	0.835	-1.57
30	0.489	-6.21	130	0.974	-0.23	230	0.921	-0.71	330	0.817	-1.76
32	0.498	-6.06	132	0.969	-0.27	232	0.919	-0.73	332	0.799	-1.95
34	0.508	-5.88	134	0.964	-0.32	234	0.918	-0.74	334	0.780	-2.16
36	0.519	-5.70	136	0.959	-0.36	236	0.917	-0.75	336	0.761	-2.37
38	0.531	-5.50	138	0.954	-0.41	238	0.917	-0.75	338	0.742	-2.59
40	0.544	-5.29	140	0.949	-0.45	240	0.917	-0.75	340	0.723	-2.82
42	0.559	-5.05	142	0.945	-0.49	242	0.918	-0.74	342	0.703	-3.06
44	0.575	-4.81	144	0.940	-0.54	244	0.920	-0.72	344	0.684	-3.30
46	0.591	-4.57	146	0.935	-0.58	246	0.922	-0.71	346	0.664	-3.56
48	0.609	-4.31	148	0.931	-0.62	248	0.924	-0.69	348	0.645	-3.81
50	0.627	-4.05	150	0.928	-0.65	250	0.928	-0.65	350	0.627	-4.05
52	0.645	-3.81	152	0.924	-0.69	252	0.931	-0.62	352	0.609	-4.31
54	0.664	-3.56	154	0.922	-0.71	254	0.935	-0.58	354	0.591	-4.57
56	0.684	-3.30	156	0.920	-0.72	256	0.940	-0.54	356	0.575	-4.81
58	0.703	-3.06	158	0.918	-0.74	258	0.945	-0.49	358	0.559	-5.05
60	0.723	-2.82	160	0.917	-0.75	260	0.949	-0.45	360	0.544	-5.29
62	0.742	-2.59	162	0.917	-0.75	262	0.954	-0.41			
64	0.761	-2.37	164	0.917	-0.75	264	0.959	-0.36			
66	0.780	-2.16	166	0.918	-0.74	266	0.964	-0.32			
68	0.799	-1.95	168	0.919	-0.73	268	0.969	-0.27			
70	0.817	-1.76	170	0.921	-0.71	270	0.974	-0.23			
72	0.835	-1.57	172	0.924	-0.69	272	0.979	-0.18			
74	0.852	-1.39	174	0.927	-0.66	274	0.983	-0.15			
76	0.868	-1.23	176	0.930	-0.63	276	0.987	-0.11			
78	0.883	-1.08	178	0.933	-0.60	278	0.990	-0.09			
80	0.897	-0.94	180	0.937	-0.57	280	0.993	-0.06			
82	0.911	-0.81	182	0.940	-0.54	282	0.996	-0.03			
84	0.924	-0.69	184	0.943	-0.51	284	0.998	-0.02			
86	0.935	-0.58	186	0.947	-0.47	286	0.999	-0.01			
88	0.946	-0.48	188	0.950	-0.45	288	1.000	0.00			
90	0.955	-0.40	190	0.952	-0.43	290	1.000	0.00			
92	0.964	-0.32	192	0.955	-0.40	292	0.999	-0.01			
94	0.972	-0.25	194	0.957	-0.38	294	0.998	-0.02			
96	0.978	-0.19	196	0.958	-0.37	296	0.996	-0.03			
98	0.984	-0.14	198	0.959	-0.36	298	0.993	-0.06			

### Elevation Pattern

Type:	ATW19H3H		Polarization:	Horizontal
Directivity:			Frequency:	14 (ATSC)
Main Lobe:	19.00 numeric	(12.79 dB)	Location:	Hickory NC
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	0.066	-23.61	2.25	0.596	-4.50	19.00	0.078	-22.16	43.50	0.022	-33.15	68.00	0.045	-26.94
-9.75	0.087	-21.21	2.50	0.497	-6.07	19.50	0.075	-22.50	44.00	0.015	-36.48	68.50	0.036	-28.87
-9.50	0.106	-19.49	2.75	0.413	-7.68	20.00	0.058	-24.73	44.50	0.022	-33.15	69.00	0.027	-31.37
-9.25	0.118	-18.56	3.00	0.357	-8.95	20.50	0.038	-28.40	45.00	0.034	-29.37	69.50	0.017	-35.39
-9.00	0.122	-18.27	3.25	0.338	-9.42	21.00	0.037	-28.64	45.50	0.043	-27.33	70.00	0.006	-44.44
-8.75	0.118	-18.56	3.50	0.349	-9.14	21.50	0.054	-25.35	46.00	0.046	-26.74	70.50	0.005	-46.02
-8.50	0.107	-19.41	3.75	0.373	-8.57	22.00	0.065	-23.74	46.50	0.043	-27.33	71.00	0.015	-36.48
-8.25	0.088	-21.11	4.00	0.396	-8.05	22.50	0.063	-24.01	47.00	0.035	-29.12	71.50	0.025	-32.04
-8.00	0.067	-23.48	4.25	0.410	-7.74	23.00	0.049	-26.20	47.50	0.024	-32.40	72.00	0.034	-29.37
-7.75	0.054	-25.35	4.50	0.409	-7.77	23.50	0.032	-29.90	48.00	0.015	-36.48	72.50	0.041	-27.74
-7.50	0.064	-23.88	4.75	0.393	-8.11	24.00	0.034	-29.37	48.50	0.020	-33.98	73.00	0.048	-26.38
-7.25	0.092	-20.72	5.00	0.363	-8.80	24.50	0.050	-26.02	49.00	0.031	-30.17	73.50	0.053	-25.51
-7.00	0.123	-18.20	5.25	0.324	-9.79	25.00	0.061	-24.29	49.50	0.040	-27.96	74.00	0.057	-24.88
-6.75	0.152	-16.36	5.50	0.282	-11.00	25.50	0.060	-24.44	50.00	0.045	-26.94	74.50	0.059	-24.58
-6.50	0.174	-15.19	5.75	0.242	-12.32	26.00	0.048	-26.38	50.50	0.044	-27.13	75.00	0.060	-24.44
-6.25	0.186	-14.61	6.00	0.214	-13.39	26.50	0.032	-29.90	51.00	0.038	-28.40	75.50	0.061	-24.29
-6.00	0.187	-14.56	6.25	0.203	-13.85	27.00	0.028	-31.06	51.50	0.029	-30.75	76.00	0.060	-24.44
-5.75	0.175	-15.14	6.50	0.209	-13.60	27.50	0.041	-27.74	52.00	0.017	-35.39	76.50	0.059	-24.58
-5.50	0.152	-16.36	6.75	0.224	-13.00	28.00	0.052	-25.68	52.50	0.012	-38.42	77.00	0.056	-25.04
-5.25	0.119	-18.49	7.00	0.239	-12.43	28.50	0.055	-25.19	53.00	0.021	-33.56	77.50	0.054	-25.35
-5.00	0.085	-21.41	7.25	0.248	-12.11	29.00	0.047	-26.56	53.50	0.032	-29.90	78.00	0.051	-25.85
-4.75	0.072	-22.85	7.50	0.247	-12.15	29.50	0.032	-29.90	54.00	0.041	-27.74	78.50	0.047	-26.56
-4.50	0.102	-19.83	7.75	0.237	-12.51	30.00	0.023	-32.77	54.50	0.046	-26.74	79.00	0.044	-27.13
-4.25	0.153	-16.31	8.00	0.218	-13.23	30.50	0.032	-29.90	55.00	0.047	-26.56	79.50	0.041	-27.74
-4.00	0.206	-13.72	8.25	0.192	-14.33	31.00	0.045	-26.94	55.50	0.043	-27.33	80.00	0.037	-28.64
-3.75	0.253	-11.94	8.50	0.163	-15.76	31.50	0.052	-25.68	56.00	0.035	-29.12	80.50	0.034	-29.37
-3.50	0.288	-10.81	8.75	0.135	-17.39	32.00	0.049	-26.20	56.50	0.025	-32.04	81.00	0.031	-30.17
-3.25	0.307	-10.26	9.00	0.116	-18.71	32.50	0.037	-28.64	57.00	0.013	-37.72	81.50	0.029	-30.75
-3.00	0.306	-10.29	9.25	0.111	-19.09	33.00	0.024	-32.40	57.50	0.009	-40.92	82.00	0.026	-31.70
-2.75	0.284	-10.93	9.50	0.119	-18.49	33.50	0.022	-33.15	58.00	0.018	-34.89	82.50	0.024	-32.40
-2.50	0.238	-12.47	9.75	0.133	-17.52	34.00	0.034	-29.37	58.50	0.029	-30.75	83.00	0.022	-33.15
-2.25	0.170	-15.39	10.00	0.145	-16.77	34.50	0.045	-26.94	59.00	0.038	-28.40	83.50	0.020	-33.98
-2.00	0.082	-21.72	10.50	0.152	-16.36	35.00	0.048	-26.38	59.50	0.043	-27.33	84.00	0.019	-34.42
-1.75	0.026	-31.70	11.00	0.131	-17.65	35.50	0.043	-27.33	60.00	0.045	-26.94	84.50	0.017	-35.39
-1.50	0.147	-16.65	11.50	0.093	-20.63	36.00	0.032	-29.90	60.50	0.043	-27.33	85.00	0.016	-35.92
-1.25	0.278	-11.12	12.00	0.071	-22.97	36.50	0.021	-33.56	61.00	0.038	-28.40	85.50	0.015	-36.48
-1.00	0.413	-7.68	12.50	0.089	-21.01	37.00	0.024	-32.40	61.50	0.029	-30.75	86.00	0.013	-37.72
-0.75	0.546	-5.26	13.00	0.111	-19.09	37.50	0.036	-28.87	62.00	0.019	-34.42	86.50	0.012	-38.42
-0.50	0.671	-3.47	13.50	0.113	-18.94	38.00	0.046	-26.74	62.50	0.008	-41.94	87.00	0.010	-40.00
-0.25	0.782	-2.14	14.00	0.093	-20.63	38.50	0.048	-26.38	63.00	0.007	-43.10	87.50	0.008	-41.94
0.00	0.874	-1.17	14.50	0.063	-24.01	39.00	0.044	-27.13	63.50	0.019	-34.42	88.00	0.006	-44.44
0.25	0.943	-0.51	15.00	0.054	-25.35	39.50	0.033	-29.63	64.00	0.031	-30.17	88.50	0.005	-46.02
0.50	0.986	-0.12	15.50	0.074	-22.62	40.00	0.020	-33.98	64.50	0.041	-27.74	89.00	0.003	-50.46
0.75	1.000	0.00	16.00	0.090	-20.92	40.50	0.019	-34.42	65.00	0.049	-26.20	89.50	0.001	-60.00
1.00	0.986	-0.12	16.50	0.089	-21.01	41.00	0.029	-30.75	65.50	0.055	-25.19	90.00	0.000	---
1.25	0.946	-0.48	17.00	0.071	-22.97	41.50	0.039	-28.18	66.00	0.058	-24.73			
1.50	0.881	-1.10	17.50	0.049	-26.20	42.00	0.044	-27.13	66.50	0.058	-24.73			
1.75	0.797	-1.97	18.00	0.048	-26.38	42.50	0.042	-27.54	67.00	0.056	-25.04			
2.00	0.700	-3.10	18.50	0.066	-23.61	43.00	0.034	-29.37	67.50	0.051	-25.85			

**Azimuth Pattern**

Type: ATW-Cx-V

Polarization:

Vertical

Directivity: 2.12 numeric (3.27 dB)

Frequency:

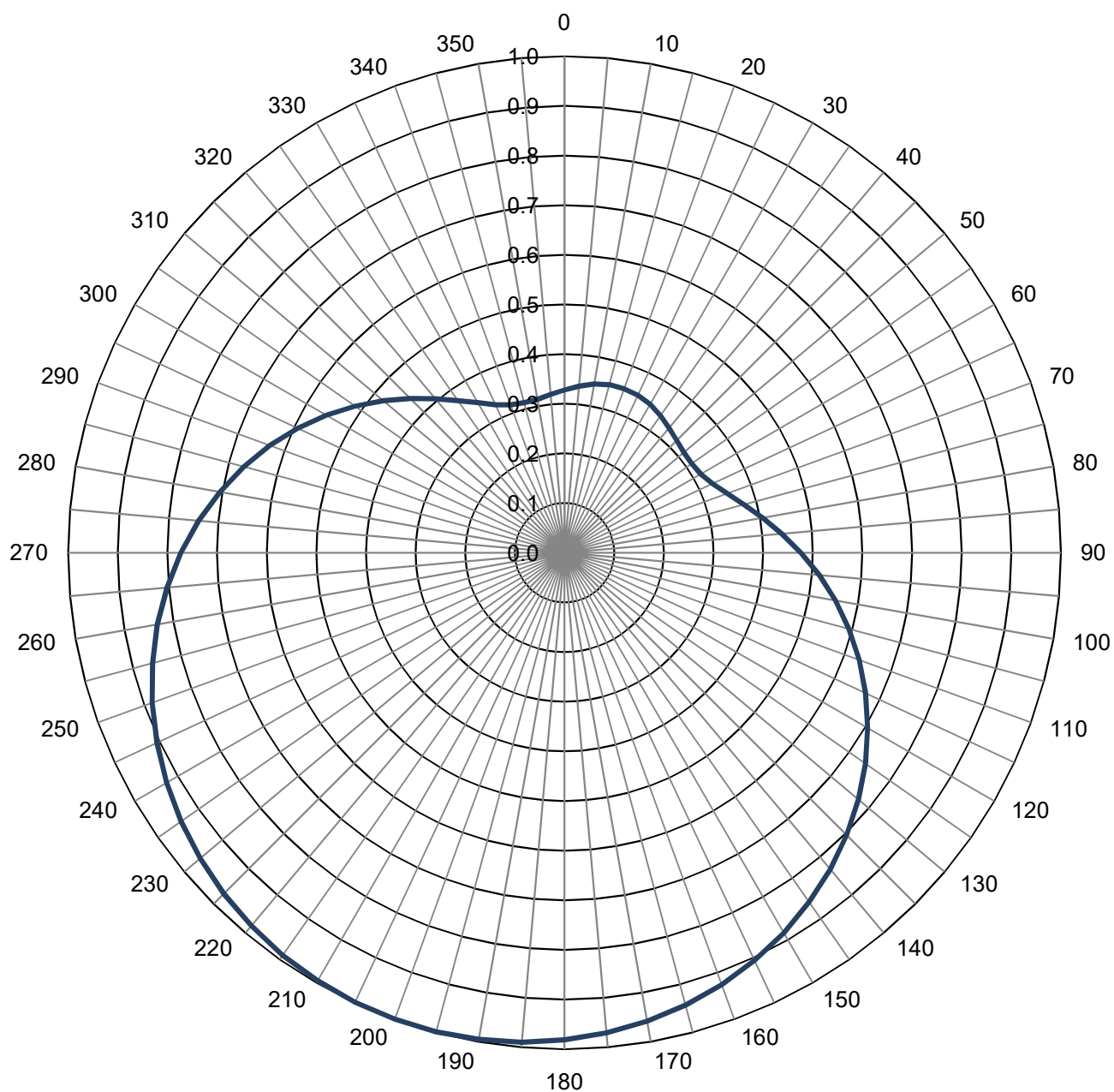
14 (ATSC)

Peak(s) at:

Location:

Hickory NC

NOTE: Pattern shape and directivity may vary with channel and mounting configuration.

**Relative Field**

**Tabulated Data for Azimuth Pattern**Type: ATW-Cx-V

Angle	Field	dB	Angle	Field	dB	Angle	Field	dB	Angle	Field	dB
0	0.328	-9.68	100	0.554	-5.13	200	1.000	0.00	300	0.554	-5.13
2	0.332	-9.58	102	0.570	-4.88	202	1.000	0.00	302	0.538	-5.38
4	0.335	-9.50	104	0.585	-4.66	204	0.999	-0.01	304	0.523	-5.63
6	0.339	-9.40	106	0.601	-4.42	206	0.998	-0.02	306	0.507	-5.90
8	0.342	-9.32	108	0.616	-4.21	208	0.997	-0.03	308	0.492	-6.16
10	0.345	-9.24	110	0.632	-3.99	210	0.995	-0.04	310	0.476	-6.45
12	0.347	-9.19	112	0.647	-3.78	212	0.993	-0.06	312	0.461	-6.73
14	0.349	-9.14	114	0.662	-3.58	214	0.991	-0.08	314	0.447	-6.99
16	0.350	-9.12	116	0.676	-3.40	216	0.988	-0.10	316	0.432	-7.29
18	0.351	-9.09	118	0.691	-3.21	218	0.985	-0.13	318	0.418	-7.58
20	0.351	-9.09	120	0.705	-3.04	220	0.981	-0.17	320	0.405	-7.85
22	0.351	-9.09	122	0.719	-2.87	222	0.978	-0.19	322	0.392	-8.13
24	0.350	-9.12	124	0.733	-2.70	224	0.973	-0.24	324	0.380	-8.40
26	0.349	-9.14	126	0.747	-2.53	226	0.969	-0.27	326	0.368	-8.68
28	0.347	-9.19	128	0.760	-2.38	228	0.964	-0.32	328	0.358	-8.92
30	0.345	-9.24	130	0.773	-2.24	230	0.958	-0.37	330	0.349	-9.14
32	0.342	-9.32	132	0.785	-2.10	232	0.953	-0.42	332	0.340	-9.37
34	0.339	-9.40	134	0.798	-1.96	234	0.946	-0.48	334	0.333	-9.55
36	0.335	-9.50	136	0.810	-1.83	236	0.940	-0.54	336	0.326	-9.74
38	0.332	-9.58	138	0.821	-1.71	238	0.933	-0.60	338	0.321	-9.87
40	0.328	-9.68	140	0.833	-1.59	240	0.926	-0.67	340	0.317	-9.98
42	0.325	-9.76	142	0.844	-1.47	242	0.918	-0.74	342	0.315	-10.03
44	0.322	-9.84	144	0.854	-1.37	244	0.910	-0.82	344	0.313	-10.09
46	0.319	-9.92	146	0.864	-1.27	246	0.902	-0.90	346	0.313	-10.09
48	0.316	-10.01	148	0.874	-1.17	248	0.893	-0.98	348	0.313	-10.09
50	0.314	-10.06	150	0.884	-1.07	250	0.884	-1.07	350	0.314	-10.06
52	0.313	-10.09	152	0.893	-0.98	252	0.874	-1.17	352	0.316	-10.01
54	0.313	-10.09	154	0.902	-0.90	254	0.864	-1.27	354	0.319	-9.92
56	0.313	-10.09	156	0.910	-0.82	256	0.854	-1.37	356	0.322	-9.84
58	0.315	-10.03	158	0.918	-0.74	258	0.844	-1.47	358	0.325	-9.76
60	0.317	-9.98	160	0.926	-0.67	260	0.833	-1.59	360	0.328	-9.68
62	0.321	-9.87	162	0.933	-0.60	262	0.821	-1.71			
64	0.326	-9.74	164	0.940	-0.54	264	0.810	-1.83			
66	0.333	-9.55	166	0.946	-0.48	266	0.798	-1.96			
68	0.340	-9.37	168	0.953	-0.42	268	0.785	-2.10			
70	0.349	-9.14	170	0.958	-0.37	270	0.773	-2.24			
72	0.358	-8.92	172	0.964	-0.32	272	0.760	-2.38			
74	0.368	-8.68	174	0.969	-0.27	274	0.747	-2.53			
76	0.380	-8.40	176	0.973	-0.24	276	0.733	-2.70			
78	0.392	-8.13	178	0.978	-0.19	278	0.719	-2.87			
80	0.405	-7.85	180	0.981	-0.17	280	0.705	-3.04			
82	0.418	-7.58	182	0.985	-0.13	282	0.691	-3.21			
84	0.432	-7.29	184	0.988	-0.10	284	0.676	-3.40			
86	0.447	-6.99	186	0.991	-0.08	286	0.662	-3.58			
88	0.461	-6.73	188	0.993	-0.06	288	0.647	-3.78			
90	0.476	-6.45	190	0.995	-0.04	290	0.632	-3.99			
92	0.492	-6.16	192	0.997	-0.03	292	0.616	-4.21			
94	0.507	-5.90	194	0.998	-0.02	294	0.601	-4.42			
96	0.523	-5.63	196	0.999	-0.01	296	0.585	-4.66			
98	0.538	-5.38	198	1.000	0.00	298	0.570	-4.88			

**Elevation Pattern**

Type: ATW16H3H

Polarization:

Vertical

Directivity:

Frequency:

14 (ATSC)

Main Lobe: 16.00 numeric (12.04 dB)

Location:

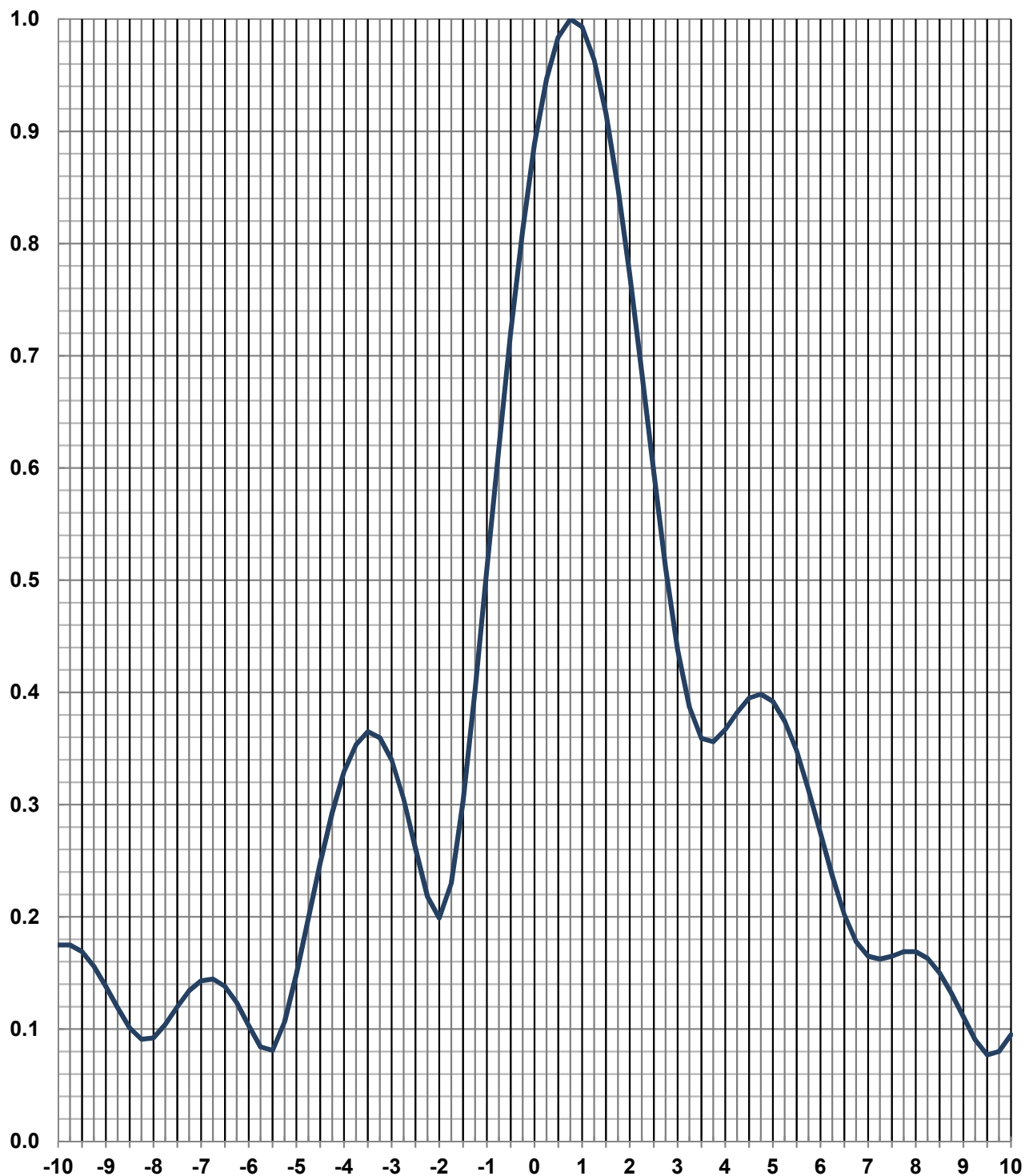
Hickory NC

Horizontal: 12.65 numeric (11.02 dB)

Beam Tilt:

0.75 degrees

Relative Field



**Tabulated Data for Elevation Pattern**Type: ATW16H3H

-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	0.175	-15.14	2.25	0.685	-3.29	19.00	0.095	-20.45	43.50	0.032	-29.90	68.00	0.029	-30.75
-9.75	0.175	-15.14	2.50	0.596	-4.50	19.50	0.075	-22.50	44.00	0.018	-34.89	68.50	0.041	-27.74
-9.50	0.169	-15.44	2.75	0.511	-5.83	20.00	0.065	-23.74	44.50	0.003	-50.46	69.00	0.053	-25.51
-9.25	0.156	-16.14	3.00	0.438	-7.17	20.50	0.061	-24.29	45.00	0.020	-33.98	69.50	0.062	-24.15
-9.00	0.138	-17.20	3.25	0.387	-8.25	21.00	0.055	-25.19	45.50	0.039	-28.18	70.00	0.070	-23.10
-8.75	0.119	-18.49	3.50	0.359	-8.90	21.50	0.040	-27.96	46.00	0.055	-25.19	70.50	0.077	-22.27
-8.50	0.101	-19.91	3.75	0.356	-8.97	22.00	0.017	-35.39	46.50	0.067	-23.48	71.00	0.081	-21.83
-8.25	0.091	-20.82	4.00	0.367	-8.71	22.50	0.023	-32.77	47.00	0.074	-22.62	71.50	0.084	-21.51
-8.00	0.092	-20.72	4.25	0.382	-8.36	23.00	0.054	-25.35	47.50	0.075	-22.50	72.00	0.085	-21.41
-7.75	0.104	-19.66	4.50	0.395	-8.07	23.50	0.081	-21.83	48.00	0.071	-22.97	72.50	0.084	-21.51
-7.50	0.120	-18.42	4.75	0.399	-7.99	24.00	0.098	-20.18	48.50	0.064	-23.88	73.00	0.082	-21.72
-7.25	0.134	-17.46	5.00	0.392	-8.13	24.50	0.104	-19.66	49.00	0.055	-25.19	73.50	0.078	-22.16
-7.00	0.143	-16.89	5.25	0.375	-8.53	25.00	0.098	-20.18	49.50	0.048	-26.38	74.00	0.073	-22.73
-6.75	0.145	-16.80	5.50	0.348	-9.17	25.50	0.084	-21.51	50.00	0.045	-26.94	74.50	0.067	-23.48
-6.50	0.138	-17.20	5.75	0.314	-10.08	26.00	0.069	-23.22	50.50	0.046	-26.74	75.00	0.061	-24.29
-6.25	0.124	-18.17	6.00	0.275	-11.21	26.50	0.058	-24.73	51.00	0.049	-26.20	75.50	0.054	-25.35
-6.00	0.103	-19.74	6.25	0.237	-12.52	27.00	0.053	-25.51	51.50	0.050	-26.02	76.00	0.047	-26.56
-5.75	0.084	-21.51	6.50	0.202	-13.89	27.50	0.049	-26.20	52.00	0.048	-26.38	76.50	0.039	-28.18
-5.50	0.081	-21.83	6.75	0.178	-14.99	28.00	0.040	-27.96	52.50	0.042	-27.54	77.00	0.032	-29.90
-5.25	0.107	-19.45	7.00	0.165	-15.65	28.50	0.024	-32.40	53.00	0.032	-29.90	77.50	0.026	-31.70
-5.00	0.149	-16.54	7.25	0.163	-15.78	29.00	0.005	-46.02	53.50	0.019	-34.42	78.00	0.020	-33.98
-4.75	0.199	-14.02	7.50	0.165	-15.65	29.50	0.027	-31.37	54.00	0.007	-43.10	78.50	0.016	-35.92
-4.50	0.248	-12.11	7.75	0.169	-15.44	30.00	0.053	-25.51	54.50	0.016	-35.92	79.00	0.014	-37.08
-4.25	0.293	-10.66	8.00	0.169	-15.44	30.50	0.073	-22.73	55.00	0.032	-29.90	79.50	0.014	-37.08
-4.00	0.329	-9.66	8.25	0.163	-15.76	31.00	0.086	-21.31	55.50	0.047	-26.56	80.00	0.016	-35.92
-3.75	0.354	-9.03	8.50	0.150	-16.48	31.50	0.090	-20.92	56.00	0.059	-24.58	80.50	0.019	-34.42
-3.50	0.365	-8.75	8.75	0.132	-17.59	32.00	0.085	-21.41	56.50	0.068	-23.35	81.00	0.021	-33.56
-3.25	0.360	-8.89	9.00	0.111	-19.09	32.50	0.075	-22.50	57.00	0.074	-22.62	81.50	0.024	-32.40
-3.00	0.340	-9.37	9.25	0.091	-20.87	33.00	0.063	-24.01	57.50	0.075	-22.50	82.00	0.026	-31.70
-2.75	0.305	-10.31	9.50	0.077	-22.27	33.50	0.054	-25.35	58.00	0.072	-22.85	82.50	0.027	-31.37
-2.50	0.261	-11.67	9.75	0.080	-21.94	34.00	0.050	-26.02	58.50	0.066	-23.61	83.00	0.028	-31.06
-2.25	0.218	-13.23	10.00	0.095	-20.45	34.50	0.048	-26.38	59.00	0.058	-24.73	83.50	0.029	-30.75
-2.00	0.199	-14.02	10.50	0.139	-17.14	35.00	0.042	-27.54	59.50	0.049	-26.20	84.00	0.028	-31.06
-1.75	0.230	-12.77	11.00	0.171	-15.34	35.50	0.031	-30.17	60.00	0.041	-27.74	84.50	0.028	-31.06
-1.50	0.303	-10.37	11.50	0.178	-14.99	36.00	0.014	-37.08	60.50	0.038	-28.40	85.00	0.027	-31.37
-1.25	0.402	-7.92	12.00	0.162	-15.81	36.50	0.008	-41.94	61.00	0.040	-27.96	85.50	0.025	-32.04
-1.00	0.510	-5.85	12.50	0.131	-17.65	37.00	0.030	-30.46	61.50	0.045	-26.94	86.00	0.023	-32.77
-0.75	0.618	-4.18	13.00	0.101	-19.91	37.50	0.051	-25.85	62.00	0.051	-25.85	86.50	0.021	-33.56
-0.50	0.721	-2.84	13.50	0.086	-21.31	38.00	0.068	-23.35	62.50	0.057	-24.88	87.00	0.019	-34.42
-0.25	0.812	-1.81	14.00	0.085	-21.41	38.50	0.078	-22.16	63.00	0.060	-24.44	87.50	0.016	-35.92
0.00	0.889	-1.02	14.50	0.080	-21.94	39.00	0.081	-21.83	63.50	0.061	-24.29	88.00	0.013	-37.72
0.25	0.947	-0.48	15.00	0.063	-24.01	39.50	0.078	-22.16	64.00	0.058	-24.73	88.50	0.010	-40.00
0.50	0.984	-0.14	15.50	0.037	-28.64	40.00	0.069	-23.22	64.50	0.054	-25.35	89.00	0.007	-43.10
0.75	1.000	0.00	16.00	0.037	-28.64	40.50	0.059	-24.58	65.00	0.046	-26.74	89.50	0.003	-50.46
1.00	0.993	-0.06	16.50	0.071	-22.97	41.00	0.051	-25.85	65.50	0.036	-28.87	90.00	0.000	---
1.25	0.964	-0.32	17.00	0.104	-19.66	41.50	0.048	-26.38	66.00	0.025	-32.04			
1.50	0.916	-0.76	17.50	0.123	-18.20	42.00	0.047	-26.56	66.50	0.013	-37.72			
1.75	0.850	-1.42	18.00	0.127	-17.92	42.50	0.046	-26.74	67.00	0.007	-43.10			
2.00	0.772	-2.25	18.50	0.115	-18.79	43.00	0.042	-27.54	67.50	0.017	-35.39			