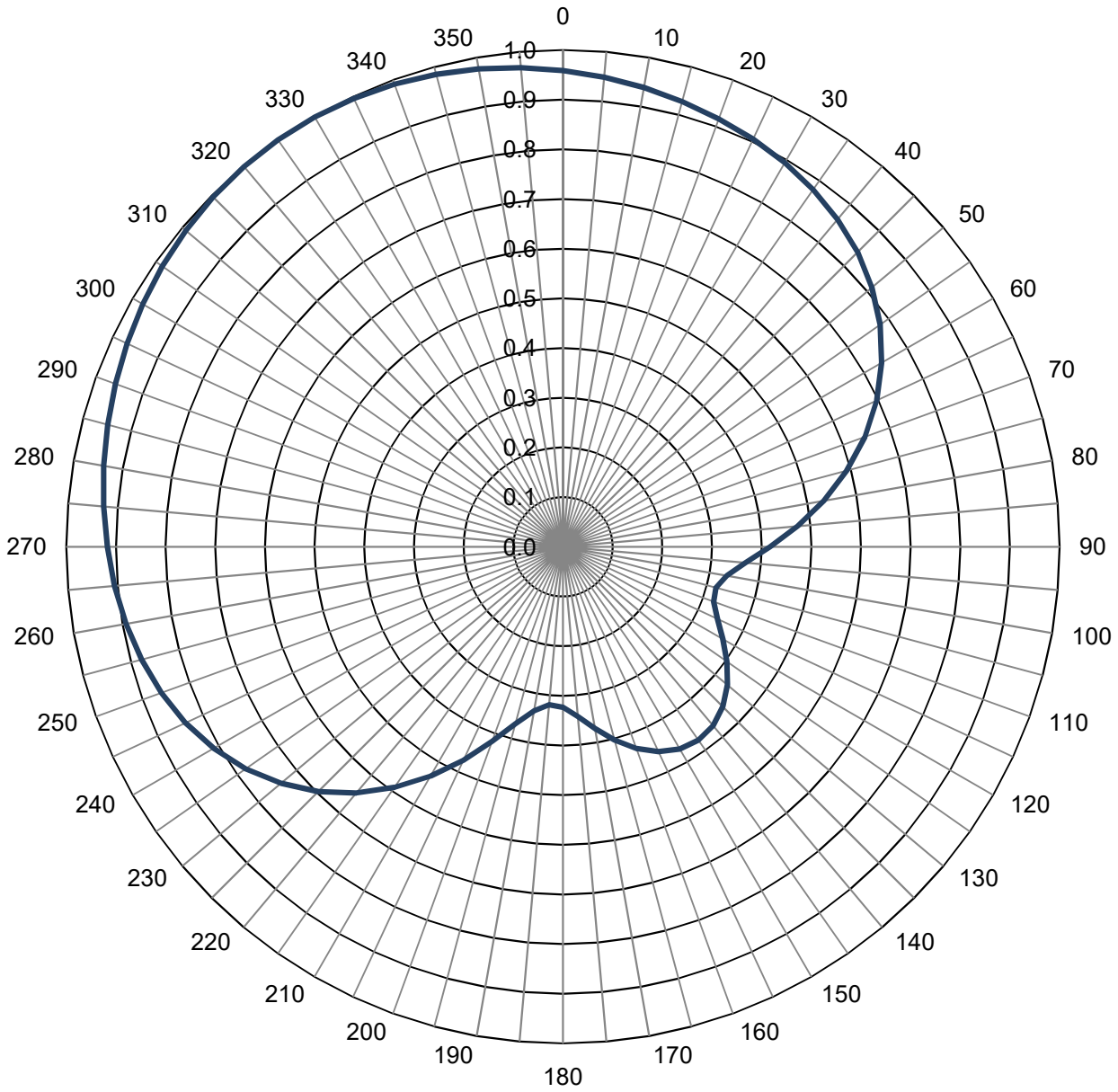
Azimuth Pattern

Type:	ATW-S180		**Polarization:**	Horizontal
Directivity:	1.80 numeric	(2.55 dB)	**Frequency:**	24 (ATSC)
Peak(s) at:			**Location:**	San Antonio, TX

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

Relative Field



Tabulated Data for Azimuth Pattern

Type: ATW-S180

Angle	Field	dB
0	0.959	-0.36
2	0.955	-0.40
4	0.951	-0.44
6	0.947	-0.47
8	0.943	-0.51
10	0.939	-0.55
12	0.934	-0.59
14	0.930	-0.63
16	0.926	-0.67
18	0.922	-0.71
20	0.917	-0.75
22	0.913	-0.79
24	0.908	-0.84
26	0.903	-0.89
28	0.898	-0.93
30	0.893	-0.98
32	0.887	-1.04
34	0.881	-1.10
36	0.875	-1.16
38	0.868	-1.23
40	0.860	-1.31
42	0.852	-1.39
44	0.843	-1.48
46	0.834	-1.58
48	0.823	-1.69
50	0.812	-1.81
52	0.800	-1.94
54	0.787	-2.08
56	0.773	-2.24
58	0.758	-2.41
60	0.741	-2.60
62	0.724	-2.81
64	0.706	-3.02
66	0.687	-3.26
68	0.667	-3.52
70	0.647	-3.78
72	0.625	-4.08
74	0.603	-4.39
76	0.580	-4.73
78	0.556	-5.10
80	0.533	-5.47
82	0.509	-5.87
84	0.485	-6.29
86	0.462	-6.71
88	0.439	-7.15
90	0.417	-7.60
92	0.397	-8.02
94	0.378	-8.45
96	0.361	-8.85
98	0.346	-9.22

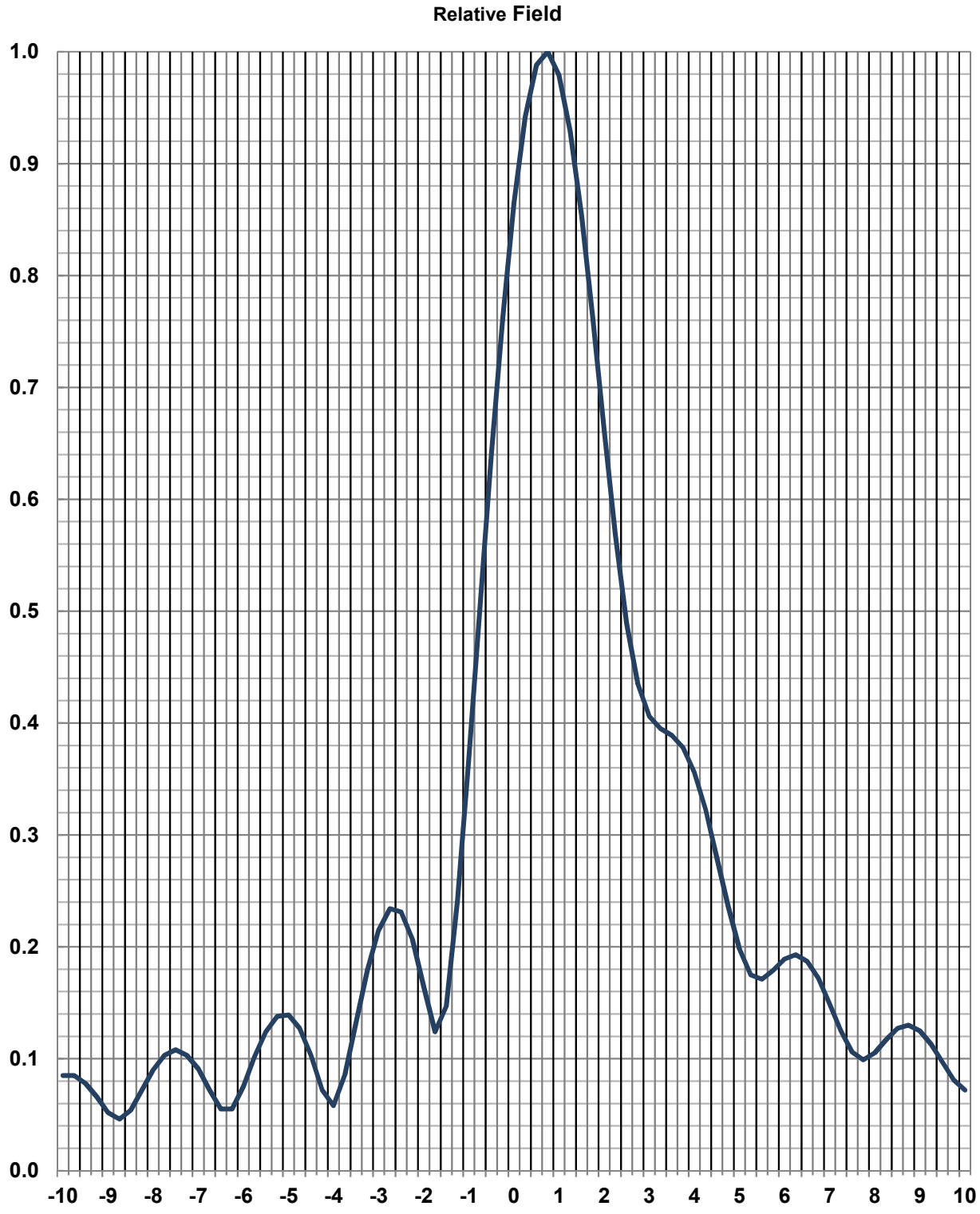
Angle	Field	dB
100	0.335	-9.50
102	0.326	-9.74
104	0.320	-9.90
106	0.318	-9.95
108	0.319	-9.92
110	0.323	-9.82
112	0.329	-9.66
114	0.338	-9.42
116	0.348	-9.17
118	0.359	-8.90
120	0.372	-8.59
122	0.384	-8.31
124	0.397	-8.02
126	0.410	-7.74
128	0.421	-7.51
130	0.432	-7.29
132	0.442	-7.09
134	0.451	-6.92
136	0.459	-6.76
138	0.465	-6.65
140	0.470	-6.56
142	0.473	-6.50
144	0.475	-6.47
146	0.475	-6.47
148	0.473	-6.50
150	0.470	-6.56
152	0.465	-6.65
154	0.459	-6.76
156	0.451	-6.92
158	0.442	-7.09
160	0.432	-7.29
162	0.421	-7.51
164	0.410	-7.74
166	0.397	-8.02
168	0.384	-8.31
170	0.372	-8.59
172	0.359	-8.90
174	0.348	-9.17
176	0.338	-9.42
178	0.329	-9.66
180	0.323	-9.82
182	0.319	-9.92
184	0.318	-9.95
186	0.320	-9.90
188	0.326	-9.74
190	0.335	-9.50
192	0.346	-9.22
194	0.361	-8.85
196	0.378	-8.45
198	0.397	-8.02

Angle	Field	dB
200	0.417	-7.60
202	0.439	-7.15
204	0.462	-6.71
206	0.485	-6.29
208	0.509	-5.87
210	0.533	-5.47
212	0.556	-5.10
214	0.580	-4.73
216	0.603	-4.39
218	0.625	-4.08
220	0.647	-3.78
222	0.667	-3.52
224	0.687	-3.26
226	0.706	-3.02
228	0.724	-2.81
230	0.741	-2.60
232	0.758	-2.41
234	0.773	-2.24
236	0.787	-2.08
238	0.800	-1.94
240	0.812	-1.81
242	0.823	-1.69
244	0.834	-1.58
246	0.843	-1.48
248	0.852	-1.39
250	0.860	-1.31
252	0.868	-1.23
254	0.875	-1.16
256	0.881	-1.10
258	0.887	-1.04
260	0.893	-0.98
262	0.898	-0.93
264	0.903	-0.89
266	0.908	-0.84
268	0.913	-0.79
270	0.917	-0.75
272	0.922	-0.71
274	0.926	-0.67
276	0.930	-0.63
278	0.934	-0.59
280	0.939	-0.55
282	0.943	-0.51
284	0.947	-0.47
286	0.951	-0.44
288	0.955	-0.40
290	0.959	-0.36
292	0.963	-0.33
294	0.967	-0.29
296	0.970	-0.26
298	0.974	-0.23

Angle	Field	dB
300	0.977	-0.20
302	0.980	-0.18
304	0.983	-0.15
306	0.986	-0.12
308	0.989	-0.10
310	0.991	-0.08
312	0.993	-0.06
314	0.995	-0.04
316	0.997	-0.03
318	0.998	-0.02
320	0.999	-0.01
322	1.000	0.00
324	1.000	0.00
326	1.000	0.00
328	1.000	0.00
330	0.999	-0.01
332	0.998	-0.02
334	0.997	-0.03
336	0.995	-0.04
338	0.993	-0.06
340	0.991	-0.08
342	0.989	-0.10
344	0.986	-0.12
346	0.983	-0.15
348	0.980	-0.18
350	0.977	-0.20
352	0.974	-0.23
354	0.970	-0.26
356	0.967	-0.29
358	0.963	-0.33
360	0.959	-0.36

Elevation Pattern

Type:	ATW24H3H		**Polarization:**	Horizontal
Directivity:			**Frequency:**	24 (ATSC)
Main Lobe:	24.00 numeric	(13.80 dB)	**Location:**	San Antonio, TX
Horizontal:	17.96 numeric	(12.54 dB)	**Beam Tilt:**	0.75 degrees



Tabulated Data for Elevation Pattern

Type: ATW24H3H

-10 to 10 degrees in 0.25 degree increments.
10 to 90 degrees in 0.50 degree increments.

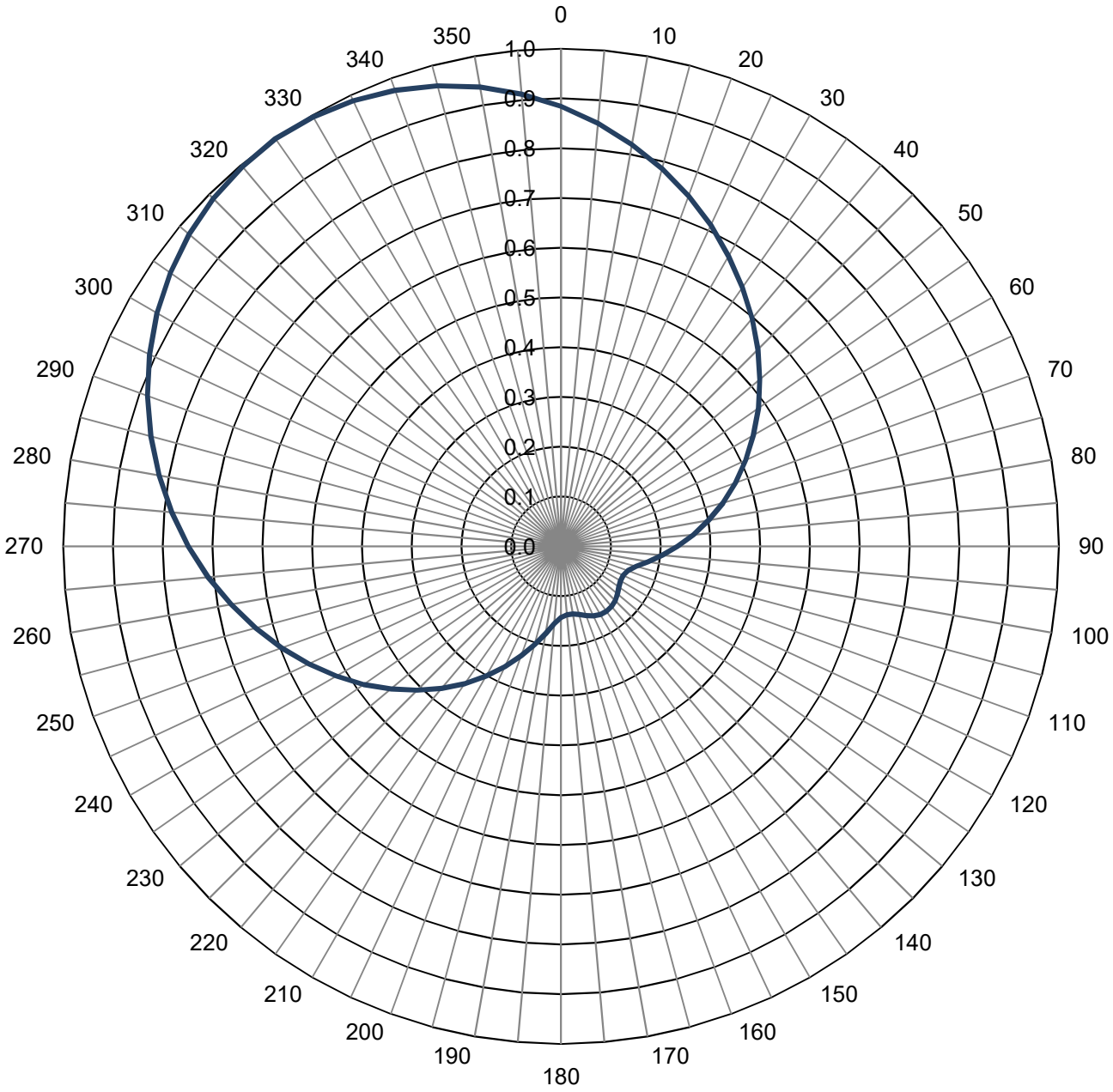
Angle	Field	dB	Angle	Field	dB	Angle	Field	dB	Angle	Field	dB	Angle	Field	dB
-10.00	0.085	-21.41	2.25	0.568	-4.91	19.00	0.052	-25.68	43.50	0.036	-28.87	68.00	0.032	-29.90
-9.75	0.085	-21.41	2.50	0.489	-6.21	19.50	0.037	-28.64	44.00	0.032	-29.90	68.50	0.037	-28.64
-9.50	0.078	-22.16	2.75	0.435	-7.23	20.00	0.034	-29.37	44.50	0.024	-32.40	69.00	0.040	-27.96
-9.25	0.066	-23.61	3.00	0.406	-7.83	20.50	0.046	-26.74	45.00	0.017	-35.39	69.50	0.041	-27.74
-9.00	0.052	-25.68	3.25	0.395	-8.07	21.00	0.053	-25.51	45.50	0.020	-33.98	70.00	0.040	-27.96
-8.75	0.046	-26.74	3.50	0.389	-8.20	21.50	0.047	-26.56	46.00	0.029	-30.75	70.50	0.037	-28.64
-8.50	0.054	-25.35	3.75	0.378	-8.45	22.00	0.033	-29.63	46.50	0.035	-29.12	71.00	0.033	-29.63
-8.25	0.072	-22.85	4.00	0.356	-8.97	22.50	0.030	-30.46	47.00	0.035	-29.12	71.50	0.027	-31.37
-8.00	0.090	-20.92	4.25	0.323	-9.82	23.00	0.041	-27.74	47.50	0.030	-30.46	72.00	0.020	-33.98
-7.75	0.103	-19.74	4.50	0.280	-11.06	23.50	0.048	-26.38	48.00	0.022	-33.15	72.50	0.013	-37.72
-7.50	0.108	-19.33	4.75	0.236	-12.54	24.00	0.043	-27.33	48.50	0.016	-35.92	73.00	0.005	-46.02
-7.25	0.103	-19.74	5.00	0.198	-14.07	24.50	0.031	-30.17	49.00	0.020	-33.98	73.50	0.003	-50.46
-7.00	0.091	-20.82	5.25	0.175	-15.14	25.00	0.026	-31.70	49.50	0.028	-31.06	74.00	0.010	-40.00
-6.75	0.072	-22.85	5.50	0.171	-15.34	25.50	0.036	-28.87	50.00	0.034	-29.37	74.50	0.016	-35.92
-6.50	0.055	-25.19	5.75	0.179	-14.94	26.00	0.044	-27.13	50.50	0.036	-28.87	75.00	0.022	-33.15
-6.25	0.055	-25.19	6.00	0.189	-14.47	26.50	0.042	-27.54	51.00	0.032	-29.90	75.50	0.027	-31.37
-6.00	0.075	-22.50	6.25	0.193	-14.29	27.00	0.032	-29.90	51.50	0.025	-32.04	76.00	0.031	-30.17
-5.75	0.102	-19.83	6.50	0.187	-14.56	27.50	0.024	-32.40	52.00	0.017	-35.39	76.50	0.034	-29.37
-5.50	0.124	-18.13	6.75	0.172	-15.29	28.00	0.031	-30.17	52.50	0.016	-35.92	77.00	0.036	-28.87
-5.25	0.138	-17.20	7.00	0.149	-16.54	28.50	0.040	-27.96	53.00	0.023	-32.77	77.50	0.037	-28.64
-5.00	0.139	-17.14	7.25	0.125	-18.06	29.00	0.041	-27.74	53.50	0.031	-30.17	78.00	0.037	-28.64
-4.75	0.127	-17.92	7.50	0.106	-19.49	29.50	0.034	-29.37	54.00	0.035	-29.12	78.50	0.037	-28.64
-4.50	0.103	-19.74	7.75	0.099	-20.09	30.00	0.023	-32.77	54.50	0.035	-29.12	79.00	0.036	-28.87
-4.25	0.072	-22.85	8.00	0.105	-19.58	30.50	0.025	-32.04	55.00	0.031	-30.17	79.50	0.034	-29.37
-4.00	0.058	-24.73	8.25	0.117	-18.64	31.00	0.034	-29.37	55.50	0.023	-32.77	80.00	0.032	-29.90
-3.75	0.086	-21.31	8.50	0.127	-17.92	31.50	0.039	-28.18	56.00	0.016	-35.92	80.50	0.030	-30.46
-3.50	0.133	-17.52	8.75	0.130	-17.72	32.00	0.035	-29.12	56.50	0.015	-36.48	81.00	0.027	-31.37
-3.25	0.179	-14.94	9.00	0.125	-18.06	32.50	0.026	-31.70	57.00	0.022	-33.15	81.50	0.024	-32.40
-3.00	0.215	-13.35	9.25	0.113	-18.94	33.00	0.020	-33.98	57.50	0.030	-30.46	82.00	0.022	-33.15
-2.75	0.234	-12.62	9.50	0.097	-20.26	33.50	0.027	-31.37	58.00	0.035	-29.12	82.50	0.019	-34.42
-2.50	0.231	-12.73	9.75	0.081	-21.83	34.00	0.036	-28.87	58.50	0.037	-28.64	83.00	0.017	-35.39
-2.25	0.207	-13.68	10.00	0.072	-22.85	34.50	0.037	-28.64	59.00	0.036	-28.87	83.50	0.014	-37.08
-2.00	0.164	-15.70	10.50	0.081	-21.83	35.00	0.031	-30.17	59.50	0.030	-30.46	84.00	0.012	-38.42
-1.75	0.124	-18.13	11.00	0.098	-20.18	35.50	0.022	-33.15	60.00	0.023	-32.77	84.50	0.010	-40.00
-1.50	0.147	-16.65	11.50	0.093	-20.63	36.00	0.020	-33.98	60.50	0.015	-36.48	85.00	0.008	-41.94
-1.25	0.242	-12.32	12.00	0.070	-23.10	36.50	0.029	-30.75	61.00	0.013	-37.72	85.50	0.007	-43.10
-1.00	0.368	-8.68	12.50	0.054	-25.35	37.00	0.036	-28.87	61.50	0.019	-34.42	86.00	0.006	-44.44
-0.75	0.504	-5.95	13.00	0.068	-23.35	37.50	0.036	-28.87	62.00	0.027	-31.37	86.50	0.004	-47.96
-0.50	0.639	-3.89	13.50	0.080	-21.94	38.00	0.029	-30.75	62.50	0.034	-29.37	87.00	0.003	-50.46
-0.25	0.762	-2.36	14.00	0.073	-22.73	38.50	0.020	-33.98	63.00	0.039	-28.18	87.50	0.003	-50.46
0.00	0.865	-1.26	14.50	0.052	-25.68	39.00	0.020	-33.98	63.50	0.040	-27.96	88.00	0.002	-53.98
0.25	0.942	-0.52	15.00	0.044	-27.13	39.50	0.028	-31.06	64.00	0.038	-28.40	88.50	0.001	-60.00
0.50	0.988	-0.10	15.50	0.058	-24.73	40.00	0.035	-29.12	64.50	0.033	-29.63	89.00	0.001	-60.00
0.75	1.000	0.00	16.00	0.067	-23.48	40.50	0.035	-29.12	65.00	0.027	-31.37	89.50	0.000	---
1.00	0.979	-0.18	16.50	0.060	-24.44	41.00	0.029	-30.75	65.50	0.018	-34.89	90.00	0.000	---
1.25	0.929	-0.64	17.00	0.043	-27.33	41.50	0.020	-33.98	66.00	0.011	-39.17			
1.50	0.853	-1.38	17.50	0.038	-28.40	42.00	0.018	-34.89	66.50	0.011	-39.17			
1.75	0.761	-2.37	18.00	0.052	-25.68	42.50	0.025	-32.04	67.00	0.017	-35.39			
2.00	0.662	-3.58	18.50	0.059	-24.58	43.00	0.033	-29.63	67.50	0.025	-32.04			

Azimuth Pattern

Type:	ATW-V9		**Polarization:**	Vertical
Directivity:	2.76 numeric	(4.41 dB)	**Frequency:**	24 (ATSC)
Peak(s) at:			**Location:**	San Antonio, TX

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

Relative Field



Tabulated Data for Azimuth Pattern

Type: ATW-V9

Angle	Field	dB
0	0.884	-1.07
2	0.871	-1.20
4	0.859	-1.32
6	0.847	-1.44
8	0.833	-1.59
10	0.820	-1.72
12	0.806	-1.87
14	0.792	-2.03
16	0.778	-2.18
18	0.763	-2.35
20	0.749	-2.51
22	0.734	-2.69
24	0.720	-2.85
26	0.704	-3.05
28	0.689	-3.24
30	0.673	-3.44
32	0.658	-3.64
34	0.642	-3.85
36	0.627	-4.05
38	0.612	-4.26
40	0.597	-4.48
42	0.582	-4.70
44	0.567	-4.93
46	0.552	-5.16
48	0.537	-5.40
50	0.521	-5.66
52	0.506	-5.92
54	0.491	-6.18
56	0.476	-6.45
58	0.461	-6.73
60	0.446	-7.01
62	0.431	-7.31
64	0.417	-7.60
66	0.402	-7.92
68	0.387	-8.25
70	0.373	-8.57
72	0.358	-8.92
74	0.344	-9.27
76	0.330	-9.63
78	0.315	-10.03
80	0.301	-10.43
82	0.287	-10.84
84	0.274	-11.24
86	0.260	-11.70
88	0.247	-12.15
90	0.234	-12.62
92	0.221	-13.11
94	0.210	-13.56
96	0.199	-14.02
98	0.188	-14.52

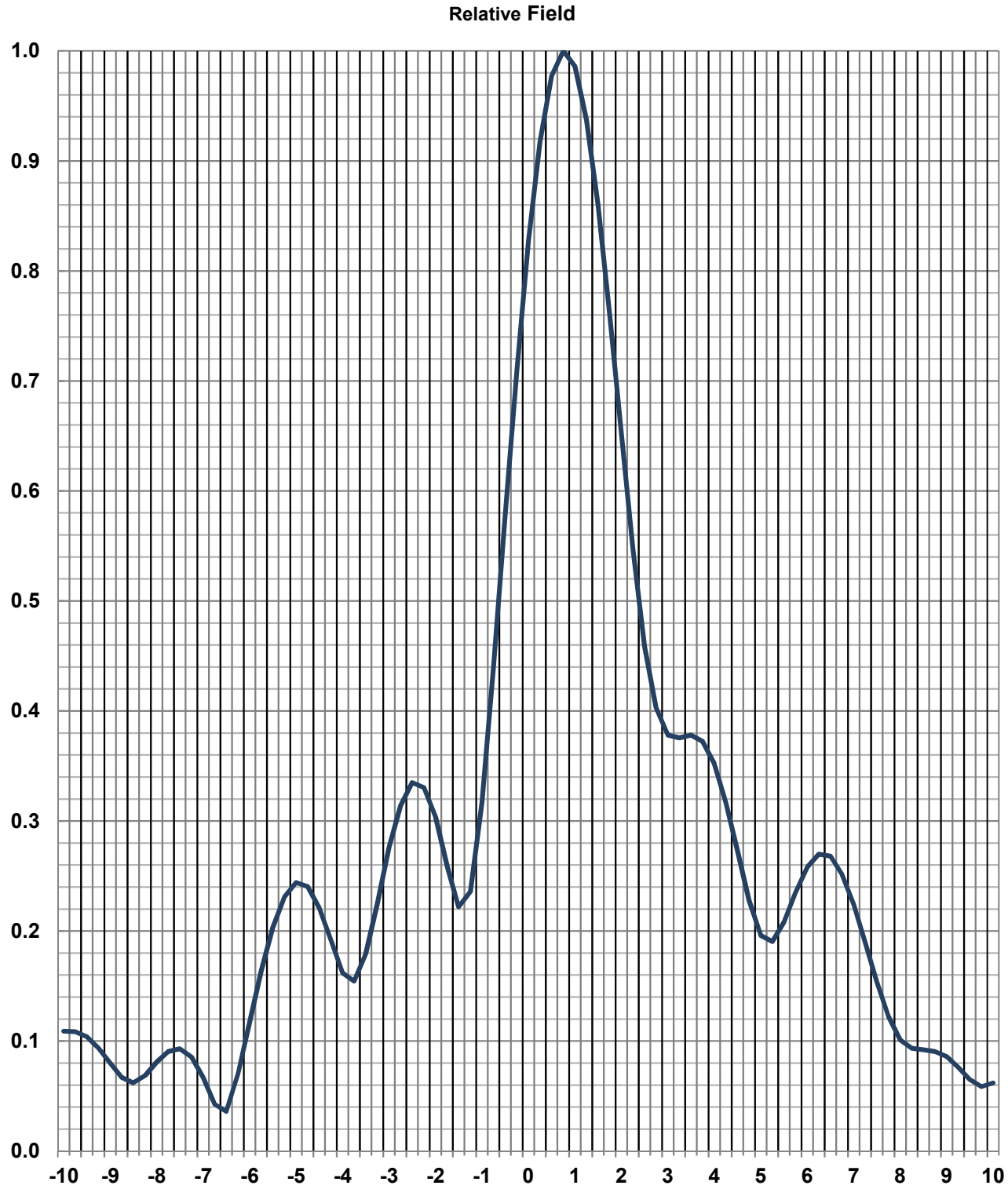
Angle	Field	dB
100	0.178	-14.99
102	0.169	-15.44
104	0.160	-15.92
106	0.154	-16.25
108	0.149	-16.54
110	0.143	-16.89
112	0.140	-17.08
114	0.139	-17.14
116	0.137	-17.27
118	0.137	-17.27
120	0.138	-17.20
122	0.139	-17.14
124	0.141	-17.02
126	0.143	-16.89
128	0.146	-16.71
130	0.148	-16.59
132	0.150	-16.48
134	0.153	-16.31
136	0.155	-16.19
138	0.156	-16.14
140	0.158	-16.03
142	0.159	-15.97
144	0.159	-15.97
146	0.159	-15.97
148	0.159	-15.97
150	0.158	-16.03
152	0.156	-16.14
154	0.155	-16.19
156	0.153	-16.31
158	0.150	-16.48
160	0.148	-16.59
162	0.146	-16.71
164	0.143	-16.89
166	0.141	-17.02
168	0.139	-17.14
170	0.138	-17.20
172	0.137	-17.27
174	0.137	-17.27
176	0.139	-17.14
178	0.140	-17.08
180	0.143	-16.89
182	0.149	-16.54
184	0.154	-16.25
186	0.160	-15.92
188	0.169	-15.44
190	0.178	-14.99
192	0.188	-14.52
194	0.199	-14.02
196	0.210	-13.56
198	0.221	-13.11

Angle	Field	dB
200	0.234	-12.62
202	0.247	-12.15
204	0.260	-11.70
206	0.274	-11.24
208	0.287	-10.84
210	0.301	-10.43
212	0.315	-10.03
214	0.330	-9.63
216	0.344	-9.27
218	0.358	-8.92
220	0.373	-8.57
222	0.387	-8.25
224	0.402	-7.92
226	0.417	-7.60
228	0.431	-7.31
230	0.446	-7.01
232	0.461	-6.73
234	0.476	-6.45
236	0.491	-6.18
238	0.506	-5.92
240	0.521	-5.66
242	0.537	-5.40
244	0.552	-5.16
246	0.567	-4.93
248	0.582	-4.70
250	0.597	-4.48
252	0.612	-4.26
254	0.627	-4.05
256	0.642	-3.85
258	0.658	-3.64
260	0.673	-3.44
262	0.689	-3.24
264	0.704	-3.05
266	0.720	-2.85
268	0.734	-2.69
270	0.749	-2.51
272	0.763	-2.35
274	0.778	-2.18
276	0.792	-2.03
278	0.806	-1.87
280	0.820	-1.72
282	0.833	-1.59
284	0.847	-1.44
286	0.859	-1.32
288	0.871	-1.20
290	0.884	-1.07
292	0.895	-0.96
294	0.906	-0.86
296	0.917	-0.75
298	0.927	-0.66

Angle	Field	dB
300	0.937	-0.57
302	0.946	-0.48
304	0.954	-0.41
306	0.962	-0.34
308	0.969	-0.27
310	0.975	-0.22
312	0.981	-0.17
314	0.986	-0.12
316	0.990	-0.09
318	0.993	-0.06
320	0.996	-0.03
322	0.998	-0.02
324	0.999	-0.01
326	0.999	-0.01
328	0.998	-0.02
330	0.996	-0.03
332	0.993	-0.06
334	0.990	-0.09
336	0.986	-0.12
338	0.981	-0.17
340	0.975	-0.22
342	0.969	-0.27
344	0.962	-0.34
346	0.954	-0.41
348	0.946	-0.48
350	0.937	-0.57
352	0.927	-0.66
354	0.917	-0.75
356	0.906	-0.86
358	0.895	-0.96
360	0.884	-1.07

Elevation Pattern

Type:	ATW21H3H		**Polarization:**	Vertical
Directivity:			**Frequency:**	24 (ATSC)
Main Lobe:	21.00 numeric	(13.22 dB)	**Location:**	San Antonio, TX
Horizontal:	14.36 numeric	(11.57 dB)	**Beam Tilt:**	0.75 degrees



Tabulated Data for Elevation Pattern

Type: ATW21H3H

-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	0.109	-19.25	2.25	0.547	-5.24	19.00	0.059	-24.58	43.50	0.063	-24.01	68.00	0.067	-23.48
-9.75	0.109	-19.29	2.50	0.459	-6.76	19.50	0.081	-21.83	44.00	0.066	-23.61	68.50	0.066	-23.61
-9.50	0.104	-19.66	2.75	0.403	-7.89	20.00	0.108	-19.33	44.50	0.068	-23.35	69.00	0.062	-24.15
-9.25	0.094	-20.58	3.00	0.378	-8.45	20.50	0.125	-18.06	45.00	0.070	-23.10	69.50	0.055	-25.19
-9.00	0.080	-21.94	3.25	0.376	-8.51	21.00	0.124	-18.13	45.50	0.071	-22.97	70.00	0.047	-26.56
-8.75	0.067	-23.48	3.50	0.378	-8.45	21.50	0.101	-19.91	46.00	0.069	-23.22	70.50	0.039	-28.18
-8.50	0.062	-24.15	3.75	0.373	-8.58	22.00	0.066	-23.61	46.50	0.061	-24.29	71.00	0.033	-29.63
-8.25	0.069	-23.29	4.00	0.352	-9.07	22.50	0.029	-30.75	47.00	0.048	-26.38	71.50	0.030	-30.46
-8.00	0.081	-21.83	4.25	0.317	-9.98	23.00	0.020	-33.98	47.50	0.033	-29.63	72.00	0.032	-29.90
-7.75	0.091	-20.87	4.50	0.273	-11.28	23.50	0.030	-30.46	48.00	0.022	-33.15	72.50	0.038	-28.40
-7.50	0.093	-20.63	4.75	0.228	-12.84	24.00	0.028	-31.06	48.50	0.026	-31.70	73.00	0.044	-27.13
-7.25	0.086	-21.36	5.00	0.196	-14.15	24.50	0.013	-37.72	49.00	0.035	-29.12	73.50	0.051	-25.85
-7.00	0.067	-23.48	5.25	0.191	-14.40	25.00	0.012	-38.42	49.50	0.040	-27.96	74.00	0.056	-25.04
-6.75	0.043	-27.43	5.50	0.208	-13.64	25.50	0.031	-30.17	50.00	0.038	-28.40	74.50	0.061	-24.29
-6.50	0.036	-28.87	5.75	0.235	-12.58	26.00	0.047	-26.56	50.50	0.030	-30.46	75.00	0.063	-24.01
-6.25	0.071	-23.04	6.00	0.258	-11.77	26.50	0.060	-24.44	51.00	0.016	-35.92	75.50	0.065	-23.74
-6.00	0.117	-18.64	6.25	0.270	-11.37	27.00	0.077	-22.27	51.50	0.011	-39.17	76.00	0.064	-23.88
-5.75	0.164	-15.73	6.50	0.268	-11.44	27.50	0.094	-20.54	52.00	0.026	-31.70	76.50	0.063	-24.01
-5.50	0.203	-13.85	6.75	0.252	-11.99	28.00	0.105	-19.58	52.50	0.042	-27.54	77.00	0.060	-24.44
-5.25	0.231	-12.73	7.00	0.224	-13.00	28.50	0.104	-19.66	53.00	0.054	-25.35	77.50	0.056	-25.04
-5.00	0.244	-12.25	7.25	0.190	-14.45	29.00	0.089	-21.01	53.50	0.060	-24.44	78.00	0.052	-25.68
-4.75	0.241	-12.38	7.50	0.154	-16.25	29.50	0.062	-24.15	54.00	0.062	-24.15	78.50	0.047	-26.56
-4.50	0.221	-13.11	7.75	0.123	-18.24	30.00	0.032	-29.90	54.50	0.060	-24.44	79.00	0.042	-27.54
-4.25	0.192	-14.36	8.00	0.101	-19.91	30.50	0.016	-35.92	55.00	0.056	-25.04	79.50	0.036	-28.87
-4.00	0.162	-15.81	8.25	0.094	-20.58	31.00	0.028	-31.06	55.50	0.054	-25.35	80.00	0.031	-30.17
-3.75	0.155	-16.22	8.50	0.092	-20.72	31.50	0.033	-29.63	56.00	0.054	-25.35	80.50	0.026	-31.70
-3.50	0.179	-14.94	8.75	0.091	-20.87	32.00	0.026	-31.70	56.50	0.057	-24.88	81.00	0.021	-33.56
-3.25	0.226	-12.94	9.00	0.086	-21.31	32.50	0.010	-40.00	57.00	0.059	-24.58	81.50	0.017	-35.39
-3.00	0.276	-11.18	9.25	0.076	-22.38	33.00	0.015	-36.48	57.50	0.059	-24.58	82.00	0.014	-37.08
-2.75	0.314	-10.06	9.50	0.065	-23.74	33.50	0.035	-29.12	58.00	0.055	-25.19	82.50	0.012	-38.42
-2.50	0.335	-9.50	9.75	0.059	-24.66	34.00	0.050	-26.02	58.50	0.048	-26.38	83.00	0.011	-39.17
-2.25	0.331	-9.62	10.00	0.062	-24.15	34.50	0.062	-24.15	59.00	0.038	-28.40	83.50	0.011	-39.17
-2.00	0.304	-10.34	10.50	0.085	-21.41	35.00	0.071	-22.97	59.50	0.029	-30.75	84.00	0.011	-39.17
-1.75	0.260	-11.72	11.00	0.095	-20.45	35.50	0.080	-21.94	60.00	0.026	-31.70	84.50	0.011	-39.17
-1.50	0.222	-13.07	11.50	0.084	-21.51	36.00	0.087	-21.21	60.50	0.030	-30.46	85.00	0.011	-39.17
-1.25	0.236	-12.54	12.00	0.077	-22.27	36.50	0.087	-21.21	61.00	0.037	-28.64	85.50	0.011	-39.17
-1.00	0.317	-9.98	12.50	0.108	-19.33	37.00	0.080	-21.94	61.50	0.043	-27.33	86.00	0.011	-39.17
-0.75	0.441	-7.12	13.00	0.146	-16.71	37.50	0.063	-24.01	62.00	0.046	-26.74	86.50	0.010	-40.00
-0.50	0.577	-4.78	13.50	0.161	-15.86	38.00	0.040	-27.96	62.50	0.044	-27.13	87.00	0.010	-40.00
-0.25	0.710	-2.98	14.00	0.145	-16.77	38.50	0.020	-33.98	63.00	0.038	-28.40	87.50	0.008	-41.94
0.00	0.827	-1.65	14.50	0.105	-19.58	39.00	0.022	-33.15	63.50	0.029	-30.75	88.00	0.007	-43.10
0.25	0.918	-0.75	15.00	0.058	-24.73	39.50	0.033	-29.63	64.00	0.017	-35.39	88.50	0.005	-46.02
0.50	0.977	-0.20	15.50	0.033	-29.63	40.00	0.037	-28.64	64.50	0.003	-50.46	89.00	0.004	-47.96
0.75	1.000	0.00	16.00	0.037	-28.64	40.50	0.030	-30.46	65.00	0.013	-37.72	89.50	0.002	-53.98
1.00	0.986	-0.12	16.50	0.035	-29.12	41.00	0.017	-35.39	65.50	0.028	-31.06	90.00	0.000	---
1.25	0.937	-0.57	17.00	0.026	-31.70	41.50	0.013	-37.72	66.00	0.041	-27.74			
1.50	0.860	-1.31	17.50	0.032	-29.90	42.00	0.030	-30.46	66.50	0.052	-25.68			
1.75	0.761	-2.37	18.00	0.044	-27.13	42.50	0.046	-26.74	67.00	0.061	-24.29			
2.00	0.652	-3.72	18.50	0.051	-25.85	43.00	0.057	-24.88	67.50	0.066	-23.61			