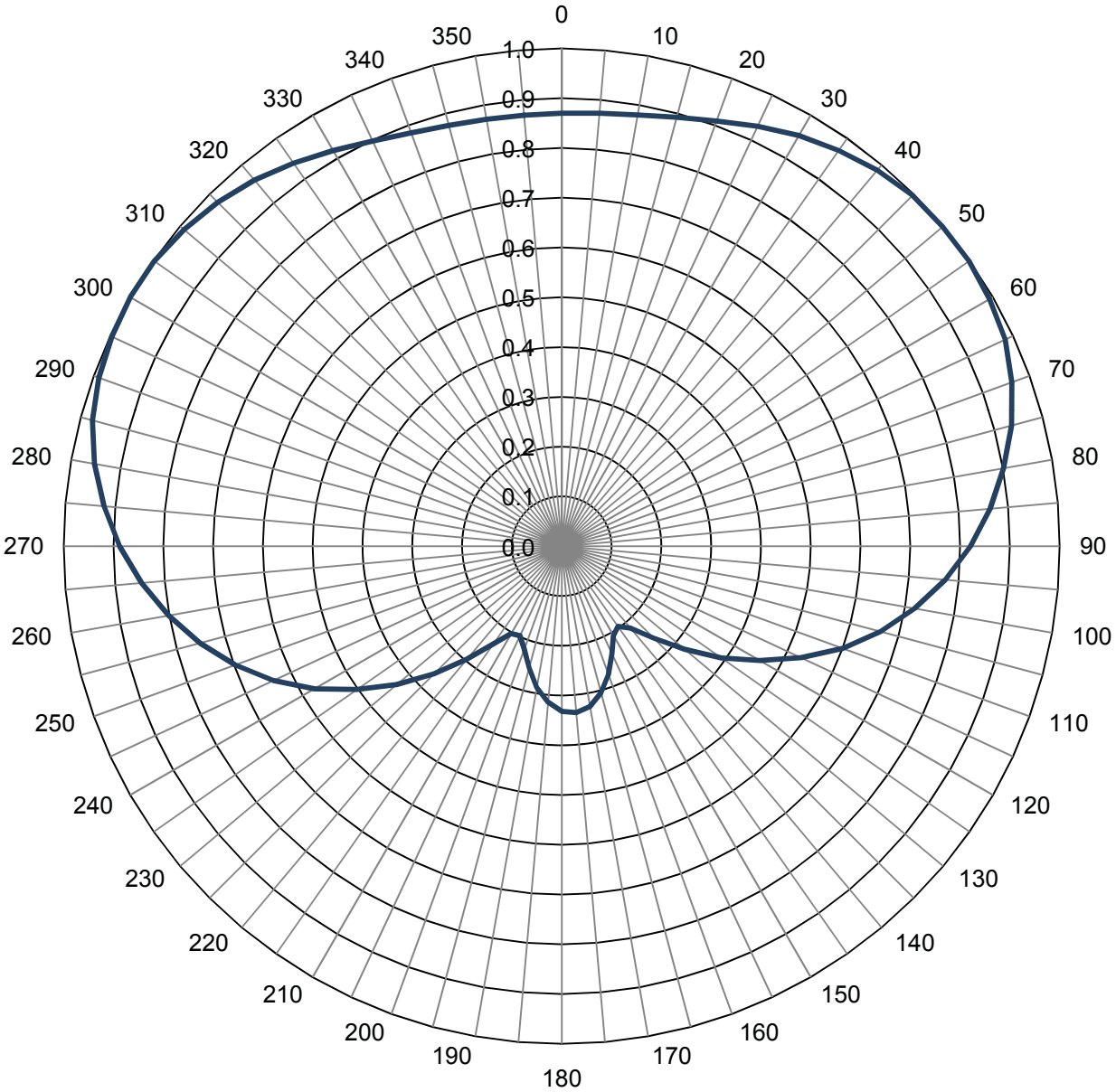
Azimuth Pattern

Type:	ATW-C2		**Polarization:**	Horizontal
Directivity:	1.80 numeric	(2.55 dB)	**Frequency:**	33 (ATSC)
Peak(s) at:			**Location:**	Garland, TX

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

Relative Field



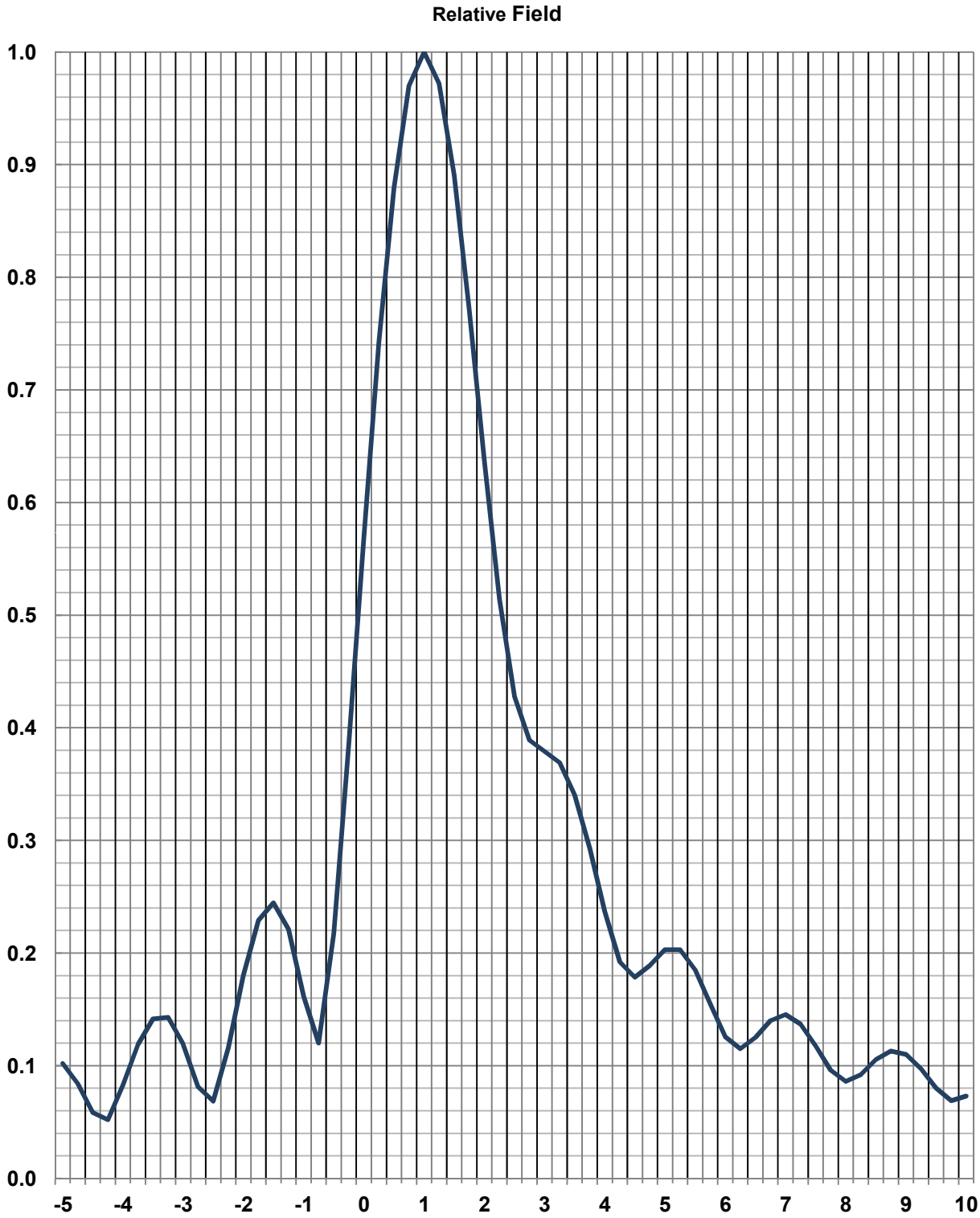
Tabulated Data for Azimuth Pattern

Type: ATW-C2

Angle	Field	dB
0	0.870	-1.21
2	0.871	-1.20
4	0.872	-1.19
6	0.874	-1.17
8	0.877	-1.14
10	0.880	-1.11
12	0.884	-1.07
14	0.889	-1.02
16	0.895	-0.96
18	0.901	-0.91
20	0.909	-0.83
22	0.918	-0.74
24	0.927	-0.66
26	0.935	-0.58
28	0.944	-0.50
30	0.953	-0.42
32	0.960	-0.35
34	0.967	-0.29
36	0.974	-0.23
38	0.980	-0.18
40	0.986	-0.12
42	0.990	-0.09
44	0.996	-0.03
46	0.998	-0.02
48	0.999	-0.01
50	0.999	-0.01
52	1.000	0.00
54	0.999	-0.01
56	0.999	-0.01
58	0.995	-0.04
60	0.992	-0.07
62	0.989	-0.10
64	0.986	-0.12
66	0.979	-0.18
68	0.972	-0.25
70	0.962	-0.34
72	0.953	-0.42
74	0.942	-0.52
76	0.929	-0.64
78	0.916	-0.76
80	0.901	-0.91
82	0.888	-1.03
84	0.872	-1.19
86	0.856	-1.35
88	0.838	-1.54
90	0.821	-1.71
92	0.802	-1.92
94	0.784	-2.11
96	0.763	-2.35
98	0.741	-2.60
100	0.720	-2.85
102	0.698	-3.12
104	0.675	-3.41
106	0.651	-3.73
108	0.627	-4.05
110	0.601	-4.42
112	0.573	-4.84
114	0.545	-5.27
116	0.516	-5.75
118	0.488	-6.23
120	0.460	-6.74
122	0.432	-7.29
124	0.405	-7.85
126	0.377	-8.47
128	0.349	-9.14
130	0.322	-9.84
132	0.297	-10.54
134	0.272	-11.31
136	0.249	-12.08
138	0.231	-12.73
140	0.215	-13.35
142	0.203	-13.85
144	0.197	-14.11
146	0.197	-14.11
148	0.200	-13.98
150	0.208	-13.64
152	0.220	-13.15
154	0.232	-12.69
156	0.246	-12.18
158	0.260	-11.70
160	0.274	-11.24
162	0.288	-10.81
164	0.300	-10.46
166	0.310	-10.17
168	0.319	-9.92
170	0.327	-9.71
172	0.332	-9.58
174	0.335	-9.50
176	0.336	-9.47
178	0.335	-9.50
180	0.332	-9.58
182	0.327	-9.71
184	0.319	-9.92
186	0.310	-10.17
188	0.300	-10.46
190	0.288	-10.81
192	0.274	-11.24
194	0.260	-11.70
196	0.246	-12.18
198	0.232	-12.69
200	0.220	-13.15
202	0.208	-13.64
204	0.200	-13.98
206	0.197	-14.11
208	0.197	-14.11
210	0.203	-13.85
212	0.215	-13.35
214	0.231	-12.73
216	0.249	-12.08
218	0.272	-11.31
220	0.297	-10.54
222	0.322	-9.84
224	0.349	-9.14
226	0.377	-8.47
228	0.405	-7.85
230	0.432	-7.29
232	0.460	-6.74
234	0.488	-6.23
236	0.516	-5.75
238	0.545	-5.27
240	0.573	-4.84
242	0.601	-4.42
244	0.627	-4.05
246	0.651	-3.73
248	0.675	-3.41
250	0.698	-3.12
252	0.720	-2.85
254	0.741	-2.60
256	0.763	-2.35
258	0.784	-2.11
260	0.802	-1.92
262	0.821	-1.71
264	0.838	-1.54
266	0.856	-1.35
268	0.872	-1.19
270	0.888	-1.03
272	0.901	-0.91
274	0.916	-0.76
276	0.929	-0.64
278	0.942	-0.52
280	0.953	-0.42
282	0.962	-0.34
284	0.972	-0.25
286	0.979	-0.18
288	0.986	-0.12
290	0.989	-0.10
292	0.992	-0.07
294	0.995	-0.04
296	0.999	-0.01
298	0.999	-0.01
300	1.000	0.00
302	0.999	-0.01
304	0.999	-0.01
306	0.998	-0.02
308	0.996	-0.03
310	0.990	-0.09
312	0.986	-0.12
314	0.980	-0.18
316	0.974	-0.23
318	0.967	-0.29
320	0.960	-0.35
322	0.953	-0.42
324	0.944	-0.50
326	0.935	-0.58
328	0.927	-0.66
330	0.918	-0.74
332	0.909	-0.83
334	0.901	-0.91
336	0.895	-0.96
338	0.889	-1.02
340	0.884	-1.07
342	0.880	-1.11
344	0.877	-1.14
346	0.874	-1.17
348	0.872	-1.19
350	0.871	-1.20
352	0.870	-1.21
354	0.869	-1.22
356	0.869	-1.22
358	0.869	-1.22
360	0.870	-1.21

Elevation Pattern

Type:	30H4H		**Polarization:**	Horizontal
Directivity:			**Frequency:**	33 (ATSC)
Main Lobe:	30.00 numeric	(14.77 dB)	**Location:**	Garland, TX
Horizontal:	9.73 numeric	(9.88 dB)	**Beam Tilt:**	1.00 degrees



Tabulated Data for Elevation Pattern

Type: 30H4H

-5 to 10 degrees in 0.25 degree increments.
10 to 90 degrees in 0.50 degree increments.

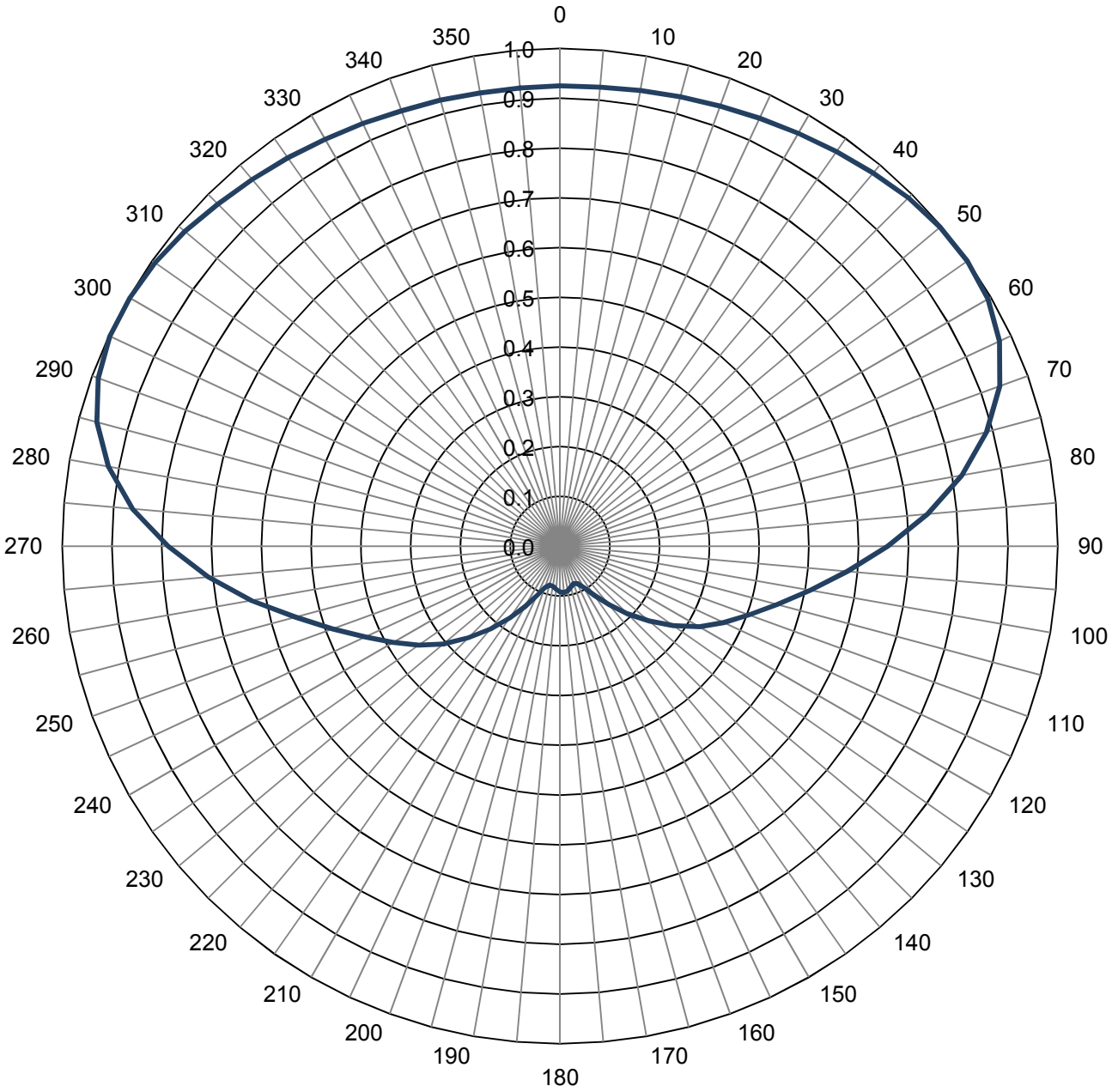
Angle	Field	dB	Angle	Field	dB	Angle	Field	dB	Angle	Field	dB	Angle	Field	dB
-5.00	0.102	-19.83	7.25	0.137	-17.27	29.00	0.026	-31.70	53.50	0.028	-31.21	78.00	0.027	-31.37
-4.75	0.084	-21.51	7.50	0.118	-18.60	29.50	0.034	-29.50	54.00	0.021	-33.56	78.50	0.030	-30.46
-4.50	0.059	-24.66	7.75	0.096	-20.35	30.00	0.029	-30.75	54.50	0.013	-38.06	79.00	0.032	-29.90
-4.25	0.052	-25.68	8.00	0.086	-21.31	30.50	0.020	-34.20	55.00	0.014	-37.39	79.50	0.032	-29.90
-4.00	0.083	-21.67	8.25	0.092	-20.72	31.00	0.025	-32.04	55.50	0.023	-32.96	80.00	0.032	-29.90
-3.75	0.119	-18.49	8.50	0.106	-19.53	31.50	0.033	-29.76	56.00	0.029	-30.90	80.50	0.031	-30.17
-3.50	0.142	-16.98	8.75	0.113	-18.94	32.00	0.028	-31.06	56.50	0.029	-30.90	81.00	0.030	-30.60
-3.25	0.143	-16.89	9.00	0.110	-19.17	32.50	0.019	-34.66	57.00	0.023	-32.77	81.50	0.028	-31.21
-3.00	0.120	-18.45	9.25	0.097	-20.26	33.00	0.022	-33.15	57.50	0.014	-37.08	82.00	0.025	-32.04
-2.75	0.081	-21.83	9.50	0.080	-21.94	33.50	0.031	-30.31	58.00	0.010	-40.00	82.50	0.022	-33.15
-2.50	0.069	-23.29	9.75	0.069	-23.22	34.00	0.029	-30.75	58.50	0.018	-34.89	83.00	0.019	-34.42
-2.25	0.116	-18.71	10.00	0.073	-22.73	34.50	0.019	-34.42	59.00	0.026	-31.87	83.50	0.017	-35.65
-2.00	0.180	-14.89	10.50	0.092	-20.72	35.00	0.018	-34.89	59.50	0.029	-30.75	84.00	0.014	-37.39
-1.75	0.229	-12.80	11.00	0.084	-21.57	35.50	0.028	-31.21	60.00	0.028	-31.21	84.50	0.011	-39.17
-1.50	0.245	-12.23	11.50	0.058	-24.73	36.00	0.030	-30.60	60.50	0.021	-33.76	85.00	0.009	-40.92
-1.25	0.221	-13.11	12.00	0.067	-23.48	36.50	0.022	-33.35	61.00	0.011	-39.17	85.50	0.007	-43.10
-1.00	0.162	-15.84	12.50	0.078	-22.16	37.00	0.015	-36.48	61.50	0.009	-41.41	86.00	0.005	-46.02
-0.75	0.120	-18.42	13.00	0.062	-24.22	37.50	0.023	-32.77	62.00	0.017	-35.39	86.50	0.004	-47.96
-0.50	0.218	-13.25	13.50	0.048	-26.38	38.00	0.029	-30.75	62.50	0.025	-32.22	87.00	0.003	-50.46
-0.25	0.385	-8.29	14.00	0.063	-24.01	38.50	0.025	-32.04	63.00	0.029	-30.75	87.50	0.002	-53.98
0.00	0.570	-4.89	14.50	0.064	-23.88	39.00	0.016	-36.19	63.50	0.029	-30.75	88.00	0.002	-56.48
0.25	0.742	-2.59	15.00	0.045	-26.94	39.50	0.018	-34.89	64.00	0.025	-32.22	88.50	0.001	-60.00
0.50	0.880	-1.12	15.50	0.044	-27.23	40.00	0.027	-31.37	64.50	0.017	-35.39	89.00	0.001	-60.00
0.75	0.970	-0.26	16.00	0.058	-24.81	40.50	0.028	-31.06	65.00	0.008	-42.50	89.50	0.000	---
1.00	1.000	0.00	16.50	0.051	-25.85	41.00	0.020	-33.98	65.50	0.008	-42.50	90.00	0.000	---
1.25	0.972	-0.25	17.00	0.035	-29.12	41.50	0.014	-37.08	66.00	0.017	-35.39			
1.50	0.891	-1.01	17.50	0.043	-27.43	42.00	0.021	-33.56	66.50	0.025	-32.22			
1.75	0.772	-2.25	18.00	0.051	-25.85	42.50	0.029	-30.90	67.00	0.029	-30.75			
2.00	0.638	-3.91	18.50	0.041	-27.85	43.00	0.027	-31.54	67.50	0.030	-30.46			
2.25	0.514	-5.78	19.00	0.031	-30.31	43.50	0.018	-34.89	68.00	0.029	-30.90			
2.50	0.429	-7.36	19.50	0.042	-27.54	44.00	0.015	-36.77	68.50	0.023	-32.96			
2.75	0.389	-8.20	20.00	0.045	-26.94	44.50	0.023	-32.77	69.00	0.015	-36.48			
3.00	0.379	-8.43	20.50	0.032	-30.03	45.00	0.029	-30.90	69.50	0.006	-44.44			
3.25	0.369	-8.66	21.00	0.028	-31.06	45.50	0.026	-31.70	70.00	0.005	-46.02			
3.50	0.341	-9.36	21.50	0.041	-27.85	46.00	0.017	-35.39	70.50	0.014	-37.39			
3.75	0.293	-10.66	22.00	0.039	-28.18	46.50	0.014	-37.39	71.00	0.022	-33.35			
4.00	0.237	-12.51	22.50	0.027	-31.37	47.00	0.022	-33.15	71.50	0.028	-31.21			
4.25	0.192	-14.33	23.00	0.029	-30.75	47.50	0.029	-30.90	72.00	0.032	-30.03			
4.50	0.179	-14.97	23.50	0.040	-28.07	48.00	0.028	-31.21	72.50	0.033	-29.63			
4.75	0.189	-14.47	24.00	0.035	-29.12	48.50	0.019	-34.42	73.00	0.032	-30.03			
5.00	0.203	-13.85	24.50	0.024	-32.58	49.00	0.013	-37.72	73.50	0.029	-30.90			
5.25	0.203	-13.85	25.00	0.029	-30.75	49.50	0.020	-33.98	74.00	0.024	-32.58			
5.50	0.185	-14.66	25.50	0.038	-28.52	50.00	0.028	-31.21	74.50	0.018	-35.14			
5.75	0.155	-16.19	26.00	0.032	-29.90	50.50	0.029	-30.75	75.00	0.011	-39.58			
6.00	0.126	-18.03	26.50	0.021	-33.56	51.00	0.024	-32.58	75.50	0.003	-50.46			
6.25	0.115	-18.79	27.00	0.028	-31.21	51.50	0.015	-36.77	76.00	0.005	-46.94			
6.50	0.125	-18.06	27.50	0.035	-29.12	52.00	0.014	-37.08	76.50	0.012	-38.79			
6.75	0.140	-17.08	28.00	0.030	-30.46	52.50	0.023	-32.96	77.00	0.018	-35.14			
7.00	0.146	-16.74	28.50	0.020	-33.98	53.00	0.029	-30.90	77.50	0.023	-32.96			

Azimuth Pattern

Type:	ATW-V4		**Polarization:**	Vertical
Directivity:	2.00 numeric	(3.01 dB)	**Frequency:**	33 (ATSC)
Peak(s) at:			**Location:**	Garland, TX

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

Relative Field



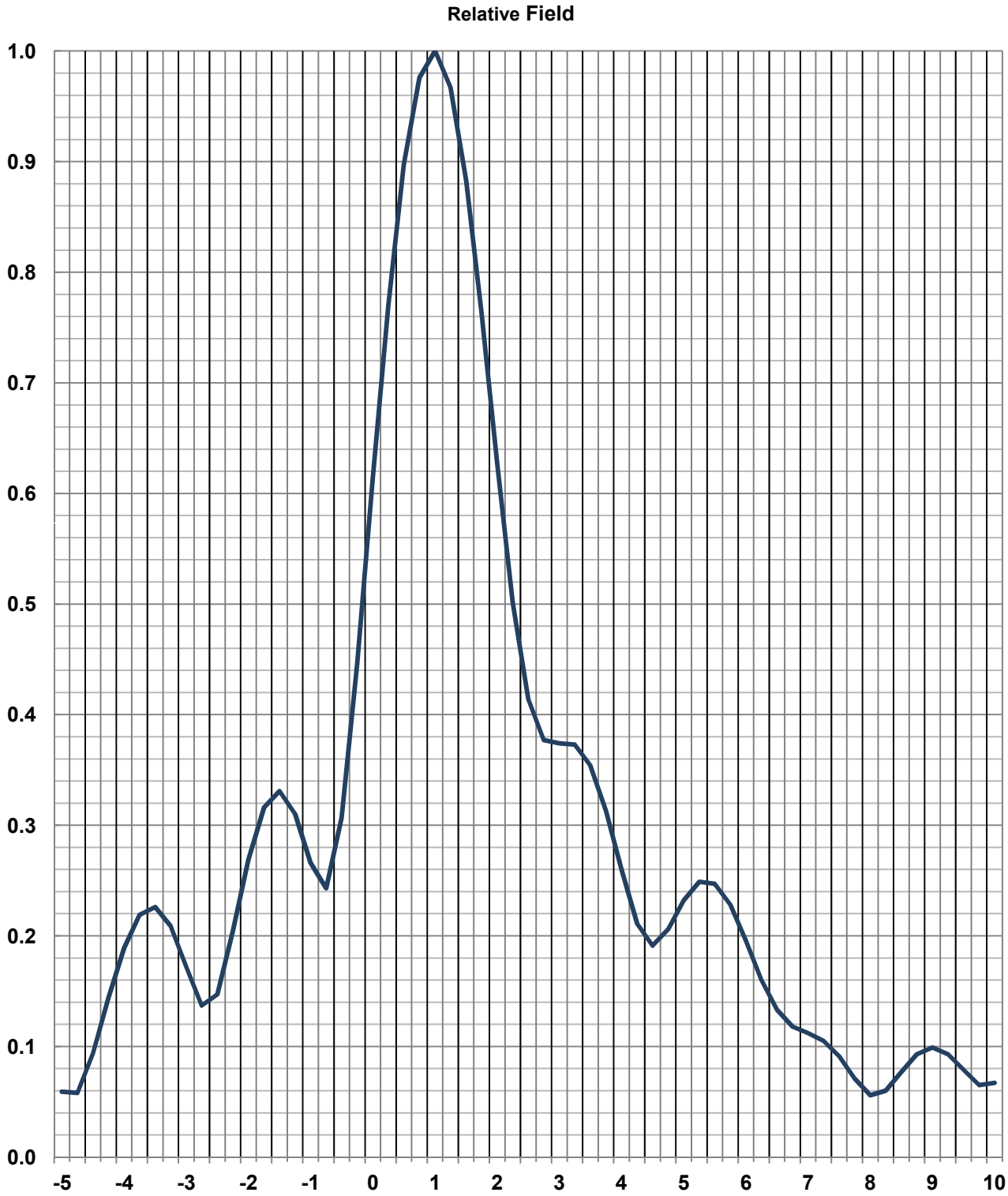
Tabulated Data for Azimuth Pattern

Type: ATW-V4

Angle	Field	dB
0	0.925	-0.68
2	0.925	-0.68
4	0.926	-0.67
6	0.927	-0.66
8	0.928	-0.65
10	0.930	-0.63
12	0.931	-0.62
14	0.934	-0.59
16	0.936	-0.57
18	0.939	-0.55
20	0.941	-0.53
22	0.944	-0.50
24	0.947	-0.47
26	0.951	-0.44
28	0.954	-0.41
30	0.958	-0.37
32	0.962	-0.34
34	0.966	-0.30
36	0.970	-0.26
38	0.975	-0.22
40	0.979	-0.18
42	0.984	-0.14
44	0.988	-0.10
46	0.992	-0.07
48	0.995	-0.04
50	0.997	-0.03
52	0.998	-0.02
54	1.000	0.00
56	0.999	-0.01
58	0.998	-0.02
60	0.993	-0.06
62	0.987	-0.11
64	0.979	-0.18
66	0.969	-0.27
68	0.957	-0.38
70	0.940	-0.54
72	0.921	-0.71
74	0.900	-0.92
76	0.875	-1.16
78	0.849	-1.42
80	0.820	-1.72
82	0.787	-2.08
84	0.758	-2.41
86	0.724	-2.81
88	0.693	-3.19
90	0.658	-3.64
92	0.629	-4.03
94	0.596	-4.50
96	0.564	-4.97
98	0.536	-5.42
100	0.511	-5.83
102	0.486	-6.27
104	0.462	-6.71
106	0.443	-7.07
108	0.422	-7.49
110	0.404	-7.87
112	0.387	-8.25
114	0.370	-8.64
116	0.355	-9.00
118	0.339	-9.40
120	0.324	-9.79
122	0.306	-10.29
124	0.287	-10.84
126	0.268	-11.44
128	0.251	-12.01
130	0.234	-12.62
132	0.217	-13.27
134	0.200	-13.98
136	0.184	-14.70
138	0.168	-15.49
140	0.154	-16.25
142	0.140	-17.08
144	0.127	-17.92
146	0.115	-18.79
148	0.104	-19.66
150	0.096	-20.35
152	0.089	-21.01
154	0.083	-21.62
156	0.082	-21.72
158	0.080	-21.94
160	0.080	-21.94
162	0.082	-21.72
164	0.084	-21.51
166	0.086	-21.31
168	0.088	-21.11
170	0.091	-20.82
172	0.092	-20.72
174	0.093	-20.63
176	0.094	-20.54
178	0.093	-20.63
180	0.092	-20.72
182	0.091	-20.82
184	0.088	-21.11
186	0.086	-21.31
188	0.084	-21.51
190	0.082	-21.72
192	0.080	-21.94
194	0.080	-21.94
196	0.082	-21.72
198	0.083	-21.62
200	0.089	-21.01
202	0.096	-20.35
204	0.104	-19.66
206	0.115	-18.79
208	0.127	-17.92
210	0.140	-17.08
212	0.154	-16.25
214	0.168	-15.49
216	0.184	-14.70
218	0.200	-13.98
220	0.217	-13.27
222	0.234	-12.62
224	0.251	-12.01
226	0.268	-11.44
228	0.287	-10.84
230	0.306	-10.29
232	0.324	-9.79
234	0.339	-9.40
236	0.355	-9.00
238	0.370	-8.64
240	0.387	-8.25
242	0.404	-7.87
244	0.422	-7.49
246	0.443	-7.07
248	0.462	-6.71
250	0.486	-6.27
252	0.511	-5.83
254	0.536	-5.42
256	0.564	-4.97
258	0.596	-4.50
260	0.629	-4.03
262	0.658	-3.64
264	0.693	-3.19
266	0.724	-2.81
268	0.758	-2.41
270	0.787	-2.08
272	0.820	-1.72
274	0.849	-1.42
276	0.875	-1.16
278	0.900	-0.92
280	0.921	-0.71
282	0.940	-0.54
284	0.957	-0.38
286	0.969	-0.27
288	0.979	-0.18
290	0.987	-0.11
292	0.993	-0.06
294	0.998	-0.02
296	0.999	-0.01
298	1.000	0.00
300	0.998	-0.02
302	0.997	-0.03
304	0.995	-0.04
306	0.992	-0.07
308	0.988	-0.10
310	0.984	-0.14
312	0.979	-0.18
314	0.975	-0.22
316	0.970	-0.26
318	0.966	-0.30
320	0.962	-0.34
322	0.958	-0.37
324	0.954	-0.41
326	0.951	-0.44
328	0.947	-0.47
330	0.944	-0.50
332	0.941	-0.53
334	0.939	-0.55
336	0.936	-0.57
338	0.934	-0.59
340	0.931	-0.62
342	0.930	-0.63
344	0.928	-0.65
346	0.927	-0.66
348	0.926	-0.67
350	0.925	-0.68
352	0.925	-0.68
354	0.924	-0.69
356	0.924	-0.69
358	0.924	-0.69
360	0.925	-0.68

Elevation Pattern

Type:	27H4V		**Polarization:**	Vertical
Directivity:			**Frequency:**	33 (ATSC)
Main Lobe:	27.00 numeric	(14.31 dB)	**Location:**	Garland, TX
Horizontal:	10.15 numeric	(10.06 dB)	**Beam Tilt:**	1.00 degrees



Tabulated Data for Elevation Pattern

Type: 27H4V

-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	0.059	-24.58	7.25	0.105	-19.58	29.00	0.082	-21.72	53.50	0.034	-29.37	78.00	0.019	-34.42
-4.75	0.058	-24.73	7.50	0.091	-20.82	29.50	0.069	-23.22	54.00	0.027	-31.37	78.50	0.021	-33.56
-4.50	0.094	-20.54	7.75	0.071	-22.97	30.00	0.052	-25.68	54.50	0.021	-33.56	79.00	0.024	-32.40
-4.25	0.144	-16.83	8.00	0.056	-25.04	30.50	0.039	-28.18	55.00	0.019	-34.42	79.50	0.026	-31.70
-4.00	0.189	-14.47	8.25	0.060	-24.44	31.00	0.028	-31.06	55.50	0.021	-33.56	80.00	0.029	-30.75
-3.75	0.219	-13.19	8.50	0.077	-22.27	31.50	0.016	-35.92	56.00	0.020	-33.98	80.50	0.030	-30.46
-3.50	0.226	-12.92	8.75	0.093	-20.63	32.00	0.011	-39.17	56.50	0.015	-36.48	81.00	0.031	-30.17
-3.25	0.209	-13.60	9.00	0.099	-20.09	32.50	0.015	-36.48	57.00	0.005	-46.02	81.50	0.031	-30.17
-3.00	0.172	-15.29	9.25	0.093	-20.63	33.00	0.009	-40.92	57.50	0.009	-40.92	82.00	0.031	-30.17
-2.75	0.137	-17.27	9.50	0.079	-22.05	33.50	0.011	-39.17	58.00	0.024	-32.40	82.50	0.030	-30.46
-2.50	0.147	-16.65	9.75	0.065	-23.74	34.00	0.037	-28.64	58.50	0.038	-28.40	83.00	0.029	-30.75
-2.25	0.204	-13.81	10.00	0.067	-23.48	34.50	0.060	-24.44	59.00	0.048	-26.38	83.50	0.027	-31.37
-2.00	0.269	-11.40	10.50	0.112	-19.02	35.00	0.074	-22.62	59.50	0.053	-25.51	84.00	0.025	-32.04
-1.75	0.316	-10.01	11.00	0.140	-17.08	35.50	0.073	-22.73	60.00	0.053	-25.51	84.50	0.023	-32.77
-1.50	0.331	-9.60	11.50	0.127	-17.92	36.00	0.061	-24.29	60.50	0.048	-26.38	85.00	0.021	-33.56
-1.25	0.310	-10.17	12.00	0.091	-20.82	36.50	0.048	-26.38	61.00	0.041	-27.74	85.50	0.019	-34.42
-1.00	0.266	-11.50	12.50	0.065	-23.74	37.00	0.039	-28.18	61.50	0.035	-29.12	86.00	0.016	-35.92
-0.75	0.243	-12.29	13.00	0.048	-26.38	37.50	0.033	-29.63	62.00	0.033	-29.63	86.50	0.014	-37.08
-0.50	0.307	-10.26	13.50	0.022	-33.15	38.00	0.024	-32.40	62.50	0.035	-29.12	87.00	0.012	-38.42
-0.25	0.447	-6.99	14.00	0.031	-30.17	38.50	0.015	-36.48	63.00	0.038	-28.40	87.50	0.010	-40.00
0.00	0.613	-4.25	14.50	0.050	-26.02	39.00	0.013	-37.72	63.50	0.040	-27.96	88.00	0.008	-41.94
0.25	0.770	-2.27	15.00	0.043	-27.33	39.50	0.013	-37.72	64.00	0.038	-28.40	88.50	0.006	-44.44
0.50	0.897	-0.94	15.50	0.037	-28.64	40.00	0.004	-47.96	64.50	0.033	-29.63	89.00	0.004	-47.96
0.75	0.976	-0.21	16.00	0.073	-22.73	40.50	0.013	-37.72	65.00	0.027	-31.37	89.50	0.002	-53.98
1.00	1.000	0.00	16.50	0.104	-19.66	41.00	0.035	-29.12	65.50	0.022	-33.15	90.00	0.000	---
1.25	0.967	-0.29	17.00	0.107	-19.41	41.50	0.054	-25.35	66.00	0.021	-33.56			
1.50	0.883	-1.08	17.50	0.087	-21.21	42.00	0.065	-23.74	66.50	0.023	-32.77			
1.75	0.763	-2.35	18.00	0.062	-24.15	42.50	0.066	-23.61	67.00	0.027	-31.37			
2.00	0.627	-4.05	18.50	0.044	-27.13	43.00	0.057	-24.88	67.50	0.029	-30.75			
2.25	0.502	-5.99	19.00	0.025	-32.04	43.50	0.046	-26.74	68.00	0.028	-31.06			
2.50	0.414	-7.66	19.50	0.008	-41.94	44.00	0.039	-28.18	68.50	0.024	-32.40			
2.75	0.377	-8.47	20.00	0.025	-32.04	44.50	0.036	-28.87	69.00	0.019	-34.42			
3.00	0.374	-8.54	20.50	0.028	-31.06	45.00	0.031	-30.17	69.50	0.011	-39.17			
3.25	0.373	-8.57	21.00	0.019	-34.42	45.50	0.024	-32.40	70.00	0.006	-44.44			
3.50	0.354	-9.02	21.50	0.041	-27.74	46.00	0.017	-35.39	70.50	0.012	-38.42			
3.75	0.313	-10.09	22.00	0.075	-22.50	46.50	0.016	-35.92	71.00	0.021	-33.56			
4.00	0.260	-11.70	22.50	0.093	-20.63	47.00	0.016	-35.92	71.50	0.030	-30.46			
4.25	0.211	-13.51	23.00	0.089	-21.01	47.50	0.010	-40.00	72.00	0.037	-28.64			
4.50	0.191	-14.38	23.50	0.070	-23.10	48.00	0.004	-47.96	72.50	0.043	-27.33			
4.75	0.206	-13.72	24.00	0.052	-25.68	48.50	0.021	-33.56	73.00	0.046	-26.74			
5.00	0.232	-12.69	24.50	0.038	-28.40	49.00	0.039	-28.18	73.50	0.047	-26.56			
5.25	0.249	-12.08	25.00	0.022	-33.15	49.50	0.053	-25.51	74.00	0.046	-26.74			
5.50	0.247	-12.15	25.50	0.007	-43.10	50.00	0.060	-24.44	74.50	0.043	-27.33			
5.75	0.228	-12.84	26.00	0.016	-35.92	50.50	0.058	-24.73	75.00	0.039	-28.18			
6.00	0.196	-14.15	26.50	0.017	-35.39	51.00	0.051	-25.85	75.50	0.034	-29.37			
6.25	0.160	-15.92	27.00	0.010	-40.00	51.50	0.042	-27.54	76.00	0.028	-31.06			
6.50	0.133	-17.52	27.50	0.034	-29.37	52.00	0.037	-28.64	76.50	0.023	-32.77			
6.75	0.118	-18.56	28.00	0.063	-24.01	52.50	0.037	-28.64	77.00	0.019	-34.42			
7.00	0.112	-19.02	28.50	0.081	-21.83	53.00	0.037	-28.64	77.50	0.018	-34.89			