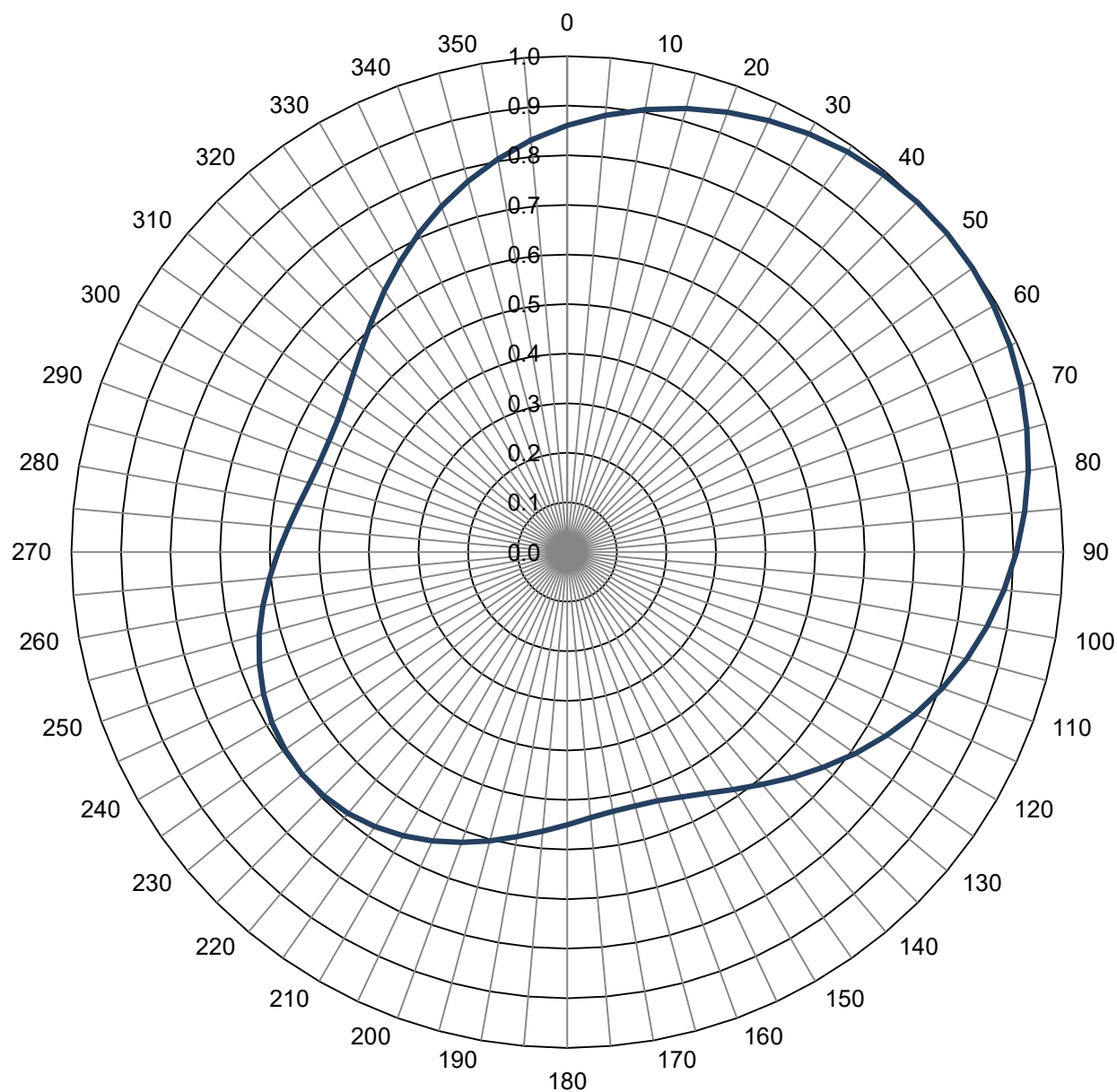


Azimuth Pattern

Type:	ATW-OC	Polarization:	Horizontal
Directivity:	1.80 numeric (2.56 dB)	Frequency:	13 (ATSC)
Peak(s) at:		Location:	Corpus Christi, TX
		NOTE: Pattern shape and directivity may vary with channel and mounting configuration.	

Relative Field

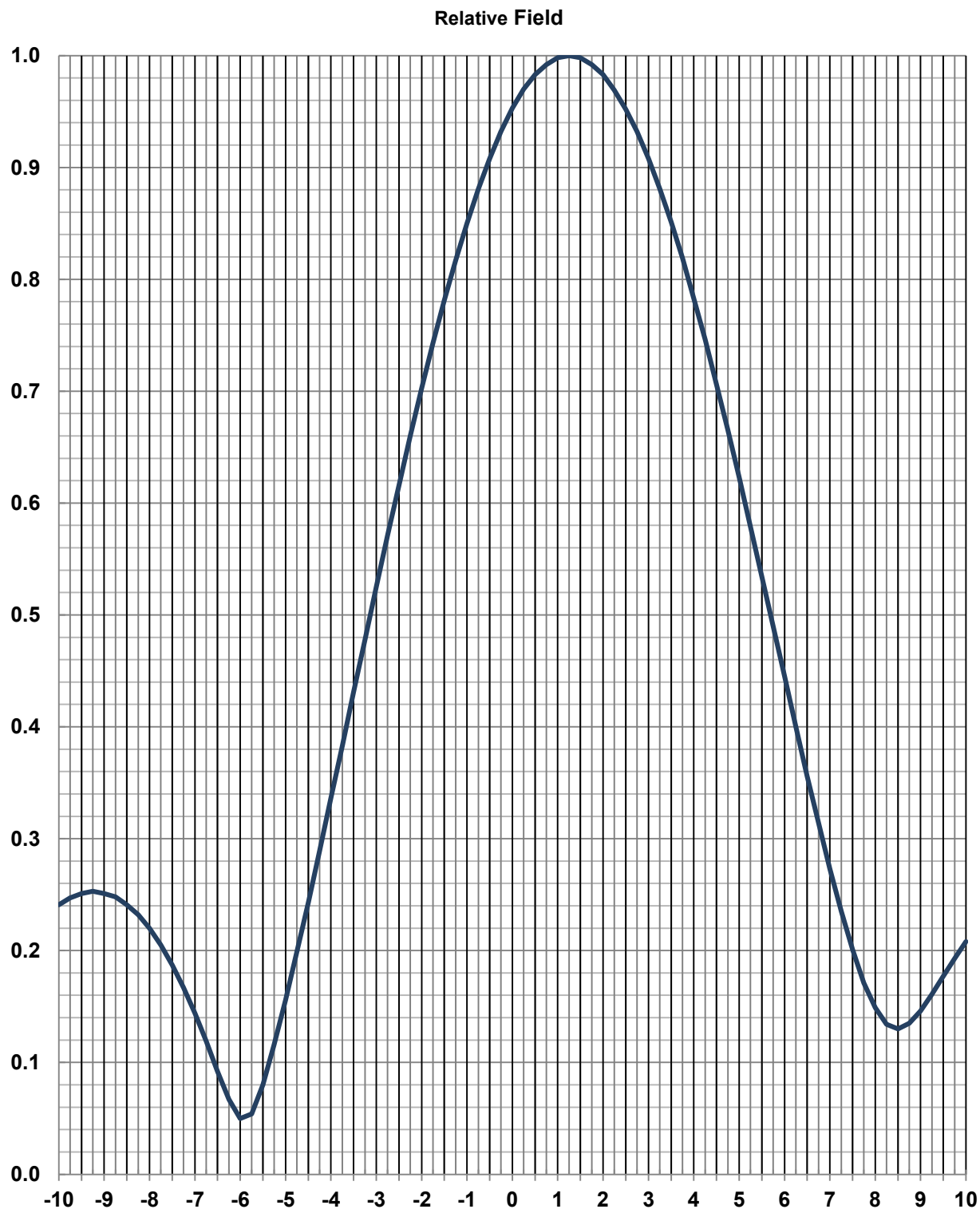
Tabulated Data for Azimuth Pattern

Type: ATW-OC

Angle	Field	dB	Angle	Field	dB	Angle	Field	dB	Angle	Field	dB
0	0.860	-1.31	100	0.860	-1.31	200	0.623	-4.11	300	0.534	-5.45
2	0.870	-1.21	102	0.850	-1.41	202	0.631	-4.00	302	0.538	-5.38
4	0.880	-1.11	104	0.839	-1.52	204	0.639	-3.89	304	0.542	-5.32
6	0.889	-1.02	106	0.828	-1.64	206	0.647	-3.78	306	0.548	-5.22
8	0.898	-0.93	108	0.817	-1.76	208	0.654	-3.69	308	0.555	-5.11
10	0.906	-0.86	110	0.805	-1.88	210	0.661	-3.60	310	0.562	-5.01
12	0.915	-0.77	112	0.793	-2.01	212	0.667	-3.52	312	0.571	-4.87
14	0.922	-0.71	114	0.781	-2.15	214	0.673	-3.44	314	0.580	-4.73
16	0.930	-0.63	116	0.768	-2.29	216	0.679	-3.36	316	0.590	-4.58
18	0.937	-0.57	118	0.755	-2.44	218	0.684	-3.30	318	0.601	-4.42
20	0.944	-0.50	120	0.742	-2.59	220	0.688	-3.25	320	0.612	-4.26
22	0.951	-0.44	122	0.729	-2.75	222	0.691	-3.21	322	0.624	-4.10
24	0.957	-0.38	124	0.716	-2.90	224	0.694	-3.17	324	0.636	-3.93
26	0.963	-0.33	126	0.702	-3.07	226	0.696	-3.15	326	0.649	-3.76
28	0.969	-0.27	128	0.689	-3.24	228	0.697	-3.14	328	0.662	-3.58
30	0.974	-0.23	130	0.675	-3.41	230	0.698	-3.12	330	0.675	-3.41
32	0.979	-0.18	132	0.662	-3.58	232	0.697	-3.14	332	0.689	-3.24
34	0.983	-0.15	134	0.649	-3.76	234	0.696	-3.15	334	0.702	-3.07
36	0.987	-0.11	136	0.636	-3.93	236	0.694	-3.17	336	0.716	-2.90
38	0.990	-0.09	138	0.624	-4.10	238	0.691	-3.21	338	0.729	-2.75
40	0.993	-0.06	140	0.612	-4.26	240	0.688	-3.25	340	0.742	-2.59
42	0.996	-0.03	142	0.601	-4.42	242	0.684	-3.30	342	0.755	-2.44
44	0.998	-0.02	144	0.590	-4.58	244	0.679	-3.36	344	0.768	-2.29
46	0.999	-0.01	146	0.580	-4.73	246	0.673	-3.44	346	0.781	-2.15
48	1.000	0.00	148	0.571	-4.87	248	0.667	-3.52	348	0.793	-2.01
50	1.000	0.00	150	0.562	-5.01	250	0.661	-3.60	350	0.805	-1.88
52	1.000	0.00	152	0.555	-5.11	252	0.654	-3.69	352	0.817	-1.76
54	0.999	-0.01	154	0.548	-5.22	254	0.647	-3.78	354	0.828	-1.64
56	0.998	-0.02	156	0.542	-5.32	256	0.639	-3.89	356	0.839	-1.52
58	0.996	-0.03	158	0.538	-5.38	258	0.631	-4.00	358	0.850	-1.41
60	0.993	-0.06	160	0.534	-5.45	260	0.623	-4.11	360	0.860	-1.31
62	0.990	-0.09	162	0.532	-5.48	262	0.615	-4.22			
64	0.987	-0.11	164	0.530	-5.51	264	0.607	-4.34			
66	0.983	-0.15	166	0.529	-5.53	266	0.599	-4.45			
68	0.979	-0.18	168	0.530	-5.51	268	0.591	-4.57			
70	0.974	-0.23	170	0.531	-5.50	270	0.583	-4.69			
72	0.969	-0.27	172	0.533	-5.47	272	0.576	-4.79			
74	0.963	-0.33	174	0.536	-5.42	274	0.568	-4.91			
76	0.957	-0.38	176	0.540	-5.35	276	0.562	-5.01			
78	0.951	-0.44	178	0.544	-5.29	278	0.555	-5.11			
80	0.944	-0.50	180	0.550	-5.19	280	0.550	-5.19			
82	0.937	-0.57	182	0.555	-5.11	282	0.544	-5.29			
84	0.930	-0.63	184	0.562	-5.01	284	0.540	-5.35			
86	0.922	-0.71	186	0.568	-4.91	286	0.536	-5.42			
88	0.915	-0.77	188	0.576	-4.79	288	0.533	-5.47			
90	0.906	-0.86	190	0.583	-4.69	290	0.531	-5.50			
92	0.898	-0.93	192	0.591	-4.57	292	0.530	-5.51			
94	0.889	-1.02	194	0.599	-4.45	294	0.529	-5.53			
96	0.880	-1.11	196	0.607	-4.34	296	0.530	-5.51			
98	0.870	-1.21	198	0.615	-4.22	298	0.532	-5.48			

Elevation Pattern

Type:	ATW8V5H		Polarization:	Horizontal
Directivity:			Frequency:	13 (ATSC)
Main Lobe:	8.00 numeric	(9.03 dB)	Location:	Corpus Christi, TX
Horizontal:	7.27 numeric	(8.61 dB)	Beam Tilt:	1.25 degrees



Tabulated Data for Elevation PatternType: ATW8V5H

-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	0.241	-12.36	2.25	0.969	-0.27	19.00	0.154	-16.25	43.50	0.066	-23.61	68.00	0.020	-33.98
-9.75	0.247	-12.15	2.50	0.952	-0.43	19.50	0.158	-16.03	44.00	0.076	-22.38	68.50	0.028	-31.06
-9.50	0.251	-12.01	2.75	0.932	-0.61	20.00	0.156	-16.14	44.50	0.086	-21.31	69.00	0.037	-28.64
-9.25	0.253	-11.94	3.00	0.908	-0.84	20.50	0.149	-16.54	45.00	0.093	-20.63	69.50	0.045	-26.94
-9.00	0.251	-12.01	3.25	0.881	-1.10	21.00	0.136	-17.33	45.50	0.099	-20.09	70.00	0.052	-25.68
-8.75	0.248	-12.11	3.50	0.851	-1.40	21.50	0.120	-18.42	46.00	0.102	-19.83	70.50	0.059	-24.58
-8.50	0.241	-12.36	3.75	0.819	-1.73	22.00	0.101	-19.91	46.50	0.103	-19.74	71.00	0.066	-23.61
-8.25	0.232	-12.69	4.00	0.783	-2.12	22.50	0.080	-21.94	47.00	0.102	-19.83	71.50	0.072	-22.85
-8.00	0.220	-13.15	4.25	0.746	-2.55	23.00	0.059	-24.58	47.50	0.099	-20.09	72.00	0.078	-22.16
-7.75	0.205	-13.76	4.50	0.706	-3.02	23.50	0.042	-27.54	48.00	0.095	-20.45	72.50	0.083	-21.62
-7.50	0.187	-14.56	4.75	0.665	-3.54	24.00	0.038	-28.40	48.50	0.088	-21.11	73.00	0.087	-21.21
-7.25	0.167	-15.55	5.00	0.623	-4.11	24.50	0.048	-26.38	49.00	0.080	-21.94	73.50	0.091	-20.82
-7.00	0.144	-16.83	5.25	0.579	-4.75	25.00	0.065	-23.74	49.50	0.070	-23.10	74.00	0.095	-20.45
-6.75	0.119	-18.49	5.50	0.534	-5.45	25.50	0.082	-21.72	50.00	0.060	-24.44	74.50	0.097	-20.26
-6.50	0.092	-20.72	5.75	0.490	-6.20	26.00	0.097	-20.26	50.50	0.049	-26.20	75.00	0.100	-20.00
-6.25	0.067	-23.48	6.00	0.445	-7.03	26.50	0.109	-19.25	51.00	0.037	-28.64	75.50	0.101	-19.91
-6.00	0.050	-26.02	6.25	0.400	-7.96	27.00	0.117	-18.64	51.50	0.027	-31.37	76.00	0.102	-19.83
-5.75	0.054	-25.35	6.50	0.356	-8.97	27.50	0.121	-18.34	52.00	0.020	-33.98	76.50	0.103	-19.74
-5.50	0.080	-21.94	6.75	0.314	-10.06	28.00	0.122	-18.27	52.50	0.021	-33.56	77.00	0.103	-19.74
-5.25	0.116	-18.71	7.00	0.273	-11.28	28.50	0.118	-18.56	53.00	0.029	-30.75	77.50	0.103	-19.74
-5.00	0.156	-16.14	7.25	0.235	-12.58	29.00	0.111	-19.09	53.50	0.040	-27.96	78.00	0.102	-19.83
-4.75	0.199	-14.02	7.50	0.201	-13.94	29.50	0.100	-20.00	54.00	0.051	-25.85	78.50	0.101	-19.91
-4.50	0.243	-12.29	7.75	0.171	-15.34	30.00	0.087	-21.21	54.50	0.062	-24.15	79.00	0.099	-20.09
-4.25	0.289	-10.78	8.00	0.149	-16.54	30.50	0.072	-22.85	55.00	0.072	-22.85	79.50	0.097	-20.26
-4.00	0.336	-9.47	8.25	0.134	-17.46	31.00	0.056	-25.04	55.50	0.081	-21.83	80.00	0.095	-20.45
-3.75	0.383	-8.34	8.50	0.130	-17.72	31.50	0.041	-27.74	56.00	0.089	-21.01	80.50	0.092	-20.72
-3.50	0.431	-7.31	8.75	0.135	-17.39	32.00	0.030	-30.46	56.50	0.096	-20.35	81.00	0.089	-21.01
-3.25	0.478	-6.41	9.00	0.146	-16.71	32.50	0.030	-30.46	57.00	0.102	-19.83	81.50	0.086	-21.31
-3.00	0.525	-5.60	9.25	0.161	-15.86	33.00	0.041	-27.74	57.50	0.106	-19.49	82.00	0.082	-21.72
-2.75	0.571	-4.87	9.50	0.177	-15.04	33.50	0.055	-25.19	58.00	0.109	-19.25	82.50	0.079	-22.05
-2.50	0.616	-4.21	9.75	0.193	-14.29	34.00	0.069	-23.22	58.50	0.111	-19.09	83.00	0.075	-22.50
-2.25	0.660	-3.61	10.00	0.208	-13.64	34.50	0.081	-21.83	59.00	0.111	-19.09	83.50	0.070	-23.10
-2.00	0.703	-3.06	10.50	0.233	-12.65	35.00	0.091	-20.82	59.50	0.111	-19.09	84.00	0.066	-23.61
-1.75	0.743	-2.58	11.00	0.249	-12.08	35.50	0.099	-20.09	60.00	0.109	-19.25	84.50	0.061	-24.29
-1.50	0.781	-2.15	11.50	0.255	-11.87	36.00	0.104	-19.66	60.50	0.105	-19.58	85.00	0.056	-25.04
-1.25	0.817	-1.76	12.00	0.252	-11.97	36.50	0.106	-19.49	61.00	0.101	-19.91	85.50	0.051	-25.85
-1.00	0.850	-1.41	12.50	0.241	-12.36	37.00	0.105	-19.58	61.50	0.096	-20.35	86.00	0.046	-26.74
-0.75	0.881	-1.10	13.00	0.221	-13.11	37.50	0.101	-19.91	62.00	0.089	-21.01	86.50	0.041	-27.74
-0.50	0.908	-0.84	13.50	0.195	-14.20	38.00	0.095	-20.45	62.50	0.083	-21.62	87.00	0.036	-28.87
-0.25	0.932	-0.61	14.00	0.165	-15.65	38.50	0.086	-21.31	63.00	0.075	-22.50	87.50	0.030	-30.46
0.00	0.953	-0.42	14.50	0.132	-17.59	39.00	0.076	-22.38	63.50	0.067	-23.48	88.00	0.025	-32.04
0.25	0.970	-0.26	15.00	0.099	-20.09	39.50	0.064	-23.88	64.00	0.058	-24.73	88.50	0.019	-34.42
0.50	0.983	-0.15	15.50	0.071	-22.97	40.00	0.051	-25.85	64.50	0.049	-26.20	89.00	0.014	-37.08
0.75	0.992	-0.07	16.00	0.058	-24.73	40.50	0.038	-28.40	65.00	0.039	-28.18	89.50	0.008	-41.94
1.00	0.998	-0.02	16.50	0.066	-23.61	41.00	0.027	-31.37	65.50	0.030	-30.46	90.00	0.003	-50.46
1.25	1.000	0.00	17.00	0.087	-21.21	41.50	0.024	-32.40	66.00	0.021	-33.56			
1.50	0.998	-0.02	17.50	0.109	-19.25	42.00	0.030	-30.46	66.50	0.012	-38.42			
1.75	0.992	-0.07	18.00	0.129	-17.79	42.50	0.041	-27.74	67.00	0.007	-43.10			
2.00	0.983	-0.15	18.50	0.144	-16.83	43.00	0.054	-25.35	67.50	0.012	-38.42			