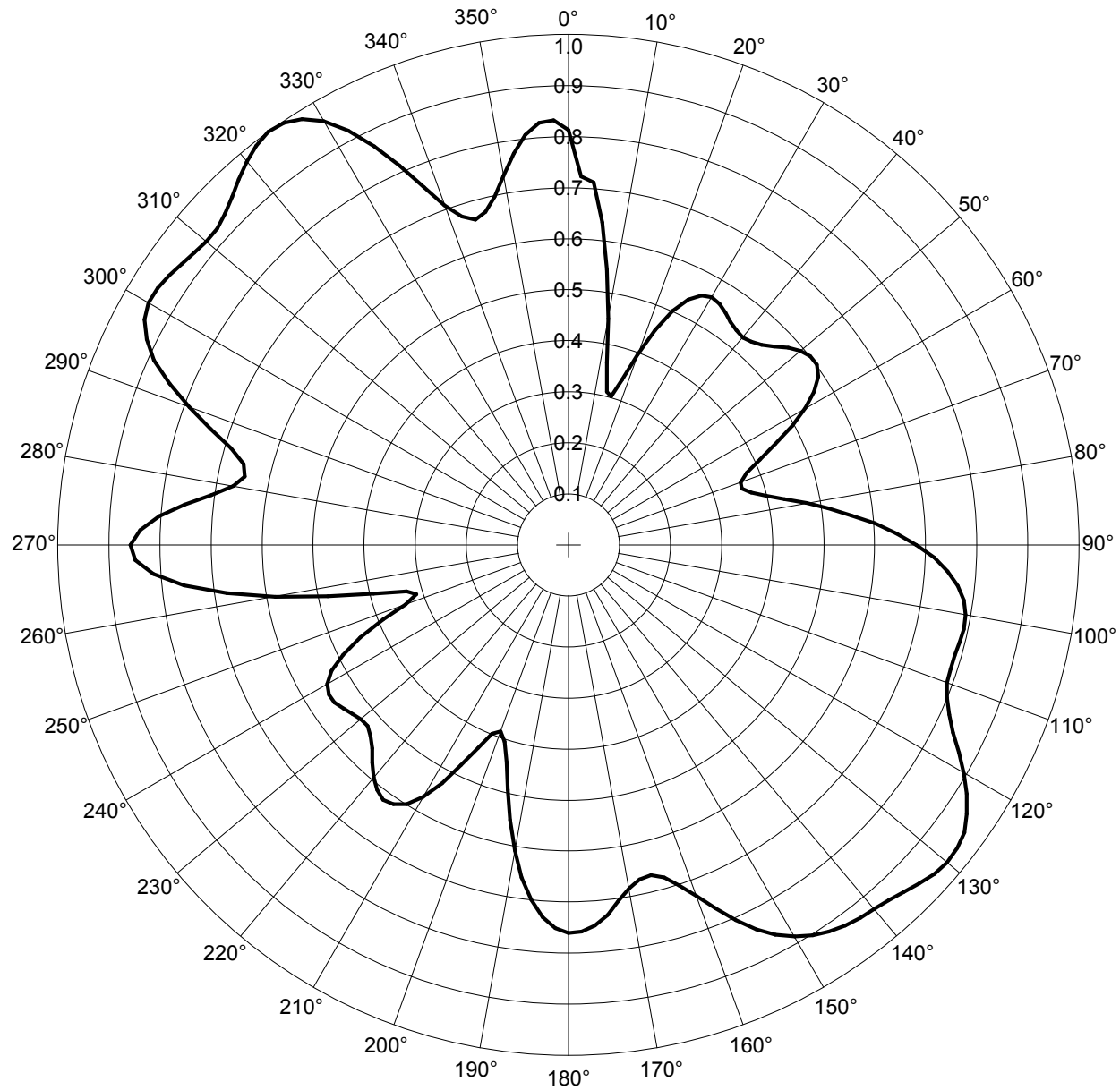


HORIZONTAL PLANE PATTERN





TABULATED DATA FOR AZIMUTH PATTERN
TYPE : CH41AZ-H-BID-P4X

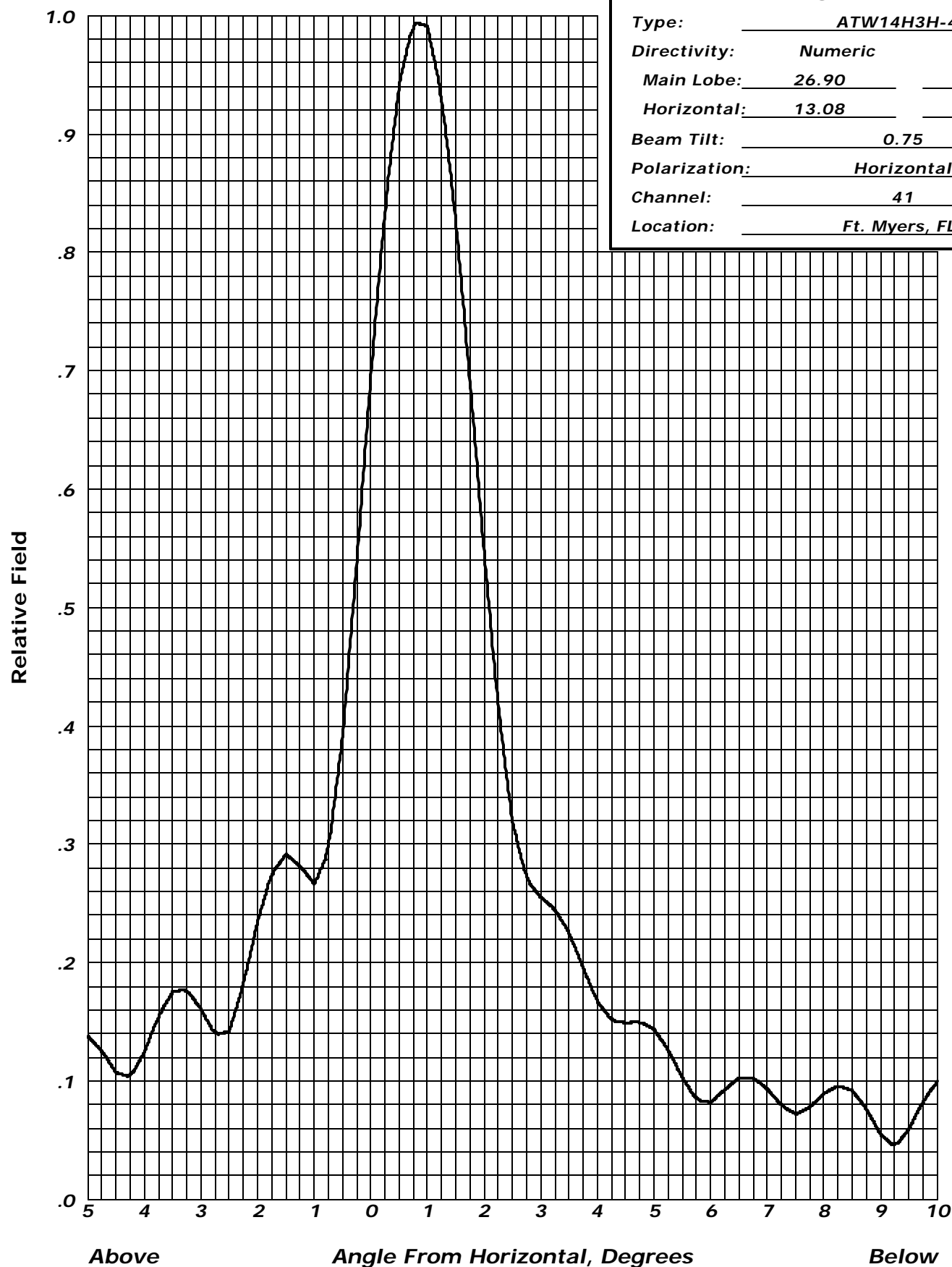
Angle	Field	dB	Angle	Field	dB	Angle	Field	dB	Angle	Field	dB
0	0.813	-1.80	110	0.789	-2.05	220	0.593	-4.54	330	0.959	-0.36
2	0.772	-2.24	112	0.799	-1.95	222	0.573	-4.84	332	0.919	-0.73
4	0.712	-2.95	114	0.816	-1.77	224	0.553	-5.14	334	0.869	-1.22
6	0.635	-3.95	116	0.838	-1.53	226	0.539	-5.37	336	0.814	-1.78
8	0.545	-5.28	118	0.866	-1.25	228	0.530	-5.51	338	0.756	-2.42
10	0.450	-6.93	120	0.894	-0.97	230	0.531	-5.49	340	0.708	-3.00
12	0.365	-8.75	122	0.920	-0.73	232	0.537	-5.40	342	0.676	-3.40
14	0.310	-10.18	124	0.941	-0.52	234	0.545	-5.27	344	0.663	-3.57
16	0.303	-10.36	126	0.958	-0.37	236	0.552	-5.16	346	0.672	-3.46
18	0.341	-9.34	128	0.965	-0.31	238	0.553	-5.15	348	0.697	-3.13
20	0.397	-8.02	130	0.967	-0.30	240	0.545	-5.28	350	0.734	-2.69
22	0.454	-6.86	132	0.963	-0.33	242	0.525	-5.61	352	0.774	-2.23
24	0.502	-5.98	134	0.954	-0.41	244	0.491	-6.17	354	0.808	-1.85
26	0.535	-5.43	136	0.945	-0.49	246	0.446	-7.01	356	0.829	-1.62
28	0.554	-5.13	138	0.937	-0.56	248	0.391	-8.16	358	0.832	-1.60
30	0.560	-5.03	140	0.931	-0.62	250	0.340	-9.38	360	0.813	-1.80
32	0.557	-5.09	142	0.927	-0.66	252	0.313	-10.08			
34	0.549	-5.21	144	0.922	-0.71	254	0.330	-9.63			
36	0.540	-5.36	146	0.913	-0.79	256	0.393	-8.12			
38	0.533	-5.46	148	0.902	-0.90	258	0.482	-6.33			
40	0.531	-5.50	150	0.886	-1.05	260	0.582	-4.71			
42	0.535	-5.44	152	0.864	-1.27	262	0.676	-3.40			
44	0.545	-5.28	154	0.837	-1.55	264	0.757	-2.42			
46	0.560	-5.04	156	0.804	-1.90	266	0.815	-1.78			
48	0.578	-4.77	158	0.767	-2.30	268	0.848	-1.43			
50	0.592	-4.55	160	0.732	-2.72	270	0.857	-1.34			
52	0.601	-4.42	162	0.701	-3.08	272	0.839	-1.53			
54	0.601	-4.42	164	0.678	-3.38	274	0.803	-1.91			
56	0.589	-4.59	166	0.667	-3.52	276	0.756	-2.44			
58	0.567	-4.92	168	0.669	-3.49	278	0.706	-3.03			
60	0.536	-5.41	170	0.683	-3.32	280	0.666	-3.53			
62	0.496	-6.10	172	0.704	-3.05	282	0.648	-3.77			
64	0.451	-6.91	174	0.728	-2.76	284	0.655	-3.67			
66	0.410	-7.75	176	0.747	-2.53	286	0.688	-3.25			
68	0.376	-8.50	178	0.758	-2.40	288	0.737	-2.65			
70	0.358	-8.93	180	0.760	-2.39	290	0.790	-2.05			
72	0.357	-8.94	182	0.751	-2.49	292	0.842	-1.49			
74	0.372	-8.60	184	0.731	-2.73	294	0.888	-1.04			
76	0.398	-8.01	186	0.699	-3.11	296	0.919	-0.73			
78	0.432	-7.29	188	0.658	-3.64	298	0.940	-0.54			
80	0.472	-6.53	190	0.607	-4.33	300	0.949	-0.45			
82	0.514	-5.78	192	0.550	-5.18	302	0.949	-0.45			
84	0.557	-5.08	194	0.494	-6.12	304	0.944	-0.50			
86	0.601	-4.42	196	0.442	-7.08	306	0.936	-0.58			
88	0.642	-3.84	198	0.405	-7.86	308	0.929	-0.64			
90	0.681	-3.34	200	0.388	-8.23	310	0.925	-0.67			
92	0.716	-2.91	202	0.399	-7.98	312	0.926	-0.66			
94	0.744	-2.56	204	0.435	-7.23	314	0.935	-0.58			
96	0.766	-2.31	206	0.480	-6.37	316	0.948	-0.46			
98	0.781	-2.15	208	0.528	-5.55	318	0.964	-0.32			
100	0.789	-2.06	210	0.570	-4.88	320	0.980	-0.18			
102	0.791	-2.04	212	0.598	-4.47	322	0.993	-0.06			
104	0.789	-2.06	214	0.613	-4.24	324	1.000	0.00			
106	0.787	-2.08	216	0.617	-4.19	326	0.997	-0.03			
108	0.787	-2.08	218	0.609	-4.31	328	0.984	-0.14			



ANDREW

ELEVATION PATTERN

Type:	ATW14H3H-41	
Directivity:	Numeric	dBd
Main Lobe:	26.90	(14.30)
Horizontal:	13.08	(11.17)
Beam Tilt:	0.75	
Polarization:	Horizontal	
Channel:	41	
Location:	Ft. Myers, FL.	





TABULATED DATA FOR ELEVATION PATTERN
TYPE : ATW14H3H-41

Angle Field dB -5 To 10 In 0.25 Increments	Angle Field dB 10 To 90 In 0.5 Increments	Angle Field dB	Angle Field dB
-5.00 0.138 -17.22	8.75 0.076 -22.41	35.00 0.027 -31.37	62.50 0.075 -22.45
-4.75 0.125 -18.08	9.00 0.055 -25.19	35.50 0.023 -32.69	63.00 0.063 -24.05
-4.50 0.107 -19.40	9.25 0.047 -26.58	36.00 0.014 -37.08	63.50 0.050 -26.02
-4.25 0.106 -19.52	9.50 0.059 -24.52	36.50 0.018 -34.70	64.00 0.039 -28.18
-4.00 0.124 -18.10	9.75 0.082 -21.71	37.00 0.030 -30.54	64.50 0.031 -30.12
-3.75 0.154 -16.26	10.00 0.100 -20.03	37.50 0.033 -29.74	65.00 0.027 -31.40
-3.50 0.176 -15.11	10.50 0.095 -20.49	38.00 0.025 -32.15	65.50 0.025 -31.90
-3.25 0.175 -15.12	11.00 0.050 -26.02	38.50 0.014 -37.08	66.00 0.025 -32.15
-3.00 0.160 -15.90	11.50 0.059 -24.55	39.00 0.021 -33.60	66.50 0.024 -32.51
-2.75 0.141 -16.99	12.00 0.095 -20.48	39.50 0.032 -29.98	67.00 0.022 -33.15
-2.50 0.142 -16.95	12.50 0.087 -21.22	40.00 0.034 -29.47	67.50 0.020 -34.02
-2.25 0.183 -14.75	13.00 0.055 -25.21	40.50 0.026 -31.57	68.00 0.018 -35.04
-2.00 0.235 -12.59	13.50 0.066 -23.65	41.00 0.019 -34.33	68.50 0.016 -35.92
-1.75 0.273 -11.27	14.00 0.084 -21.47	41.50 0.024 -32.32	69.00 0.015 -36.36
-1.50 0.291 -10.71	14.50 0.067 -23.44	42.00 0.031 -30.03	69.50 0.015 -36.36
-1.25 0.281 -11.03	15.00 0.034 -29.40	42.50 0.031 -30.09	70.00 0.015 -36.25
-1.00 0.266 -11.49	15.50 0.046 -26.65	43.00 0.023 -32.69	70.50 0.015 -36.25
-0.75 0.300 -10.46	16.00 0.058 -24.79	43.50 0.014 -37.33	71.00 0.015 -36.48
-0.50 0.391 -8.16	16.50 0.035 -29.09	44.00 0.017 -35.60	71.50 0.014 -37.02
-0.25 0.538 -5.38	17.00 0.008 -42.27	44.50 0.023 -32.58	72.00 0.013 -37.79
0.00 0.697 -3.14	17.50 0.044 -27.21	45.00 0.024 -32.54	72.50 0.011 -38.86
0.25 0.834 -1.58	18.00 0.053 -25.60	45.50 0.016 -36.03	73.00 0.010 -40.00
0.50 0.942 -0.52	18.50 0.033 -29.66	46.00 0.003 -51.70	73.50 0.009 -40.92
0.75 0.989 -0.10	19.00 0.016 -35.92	46.50 0.011 -38.86	74.00 0.009 -41.31
1.00 0.991 -0.08	19.50 0.036 -28.78	47.00 0.022 -33.31	74.50 0.009 -41.11
1.25 0.927 -0.66	20.00 0.041 -27.66	47.50 0.025 -32.04	75.00 0.009 -40.54
1.50 0.827 -1.65	20.50 0.030 -30.37	48.00 0.021 -33.47	75.50 0.010 -39.91
1.75 0.691 -3.21	21.00 0.029 -30.75	48.50 0.012 -38.13	76.00 0.011 -39.41
2.00 0.547 -5.24	21.50 0.038 -28.29	49.00 0.008 -42.27	76.50 0.011 -39.02
2.25 0.418 -7.57	22.00 0.036 -28.85	49.50 0.015 -36.42	77.00 0.011 -38.86
2.50 0.319 -9.93	22.50 0.026 -31.63	50.00 0.021 -33.51	77.50 0.011 -38.94
2.75 0.274 -11.25	23.00 0.033 -29.58	50.50 0.022 -33.15	78.00 0.011 -39.09
3.00 0.255 -11.87	23.50 0.045 -27.01	51.00 0.019 -34.56	78.50 0.011 -39.41
3.25 0.244 -12.25	24.00 0.044 -27.23	51.50 0.015 -36.36	79.00 0.010 -40.00
3.50 0.225 -12.96	24.50 0.040 -28.05	52.00 0.017 -35.55	79.50 0.009 -40.54
3.75 0.196 -14.18	25.00 0.062 -24.11	52.50 0.021 -33.47	80.00 0.009 -41.11
4.00 0.167 -15.55	25.50 0.100 -20.04	53.00 0.024 -32.54	80.50 0.008 -41.62
4.25 0.153 -16.33	26.00 0.129 -17.80	53.50 0.022 -33.00	81.00 0.008 -42.05
4.50 0.149 -16.53	26.50 0.138 -17.18	54.00 0.018 -34.66	81.50 0.008 -42.27
4.75 0.149 -16.52	27.00 0.125 -18.04	54.50 0.017 -35.55	82.00 0.008 -42.27
5.00 0.144 -16.86	27.50 0.095 -20.44	55.00 0.021 -33.68	82.50 0.008 -42.27
5.25 0.126 -18.01	28.00 0.062 -24.17	55.50 0.027 -31.34	83.00 0.008 -42.05
5.50 0.103 -19.76	28.50 0.045 -26.97	56.00 0.032 -30.03	83.50 0.008 -41.94
5.75 0.086 -21.34	29.00 0.043 -27.31	56.50 0.032 -29.87	84.00 0.008 -41.72
6.00 0.082 -21.73	29.50 0.039 -28.18	57.00 0.030 -30.57	84.50 0.008 -41.51
6.25 0.093 -20.65	30.00 0.032 -29.98	57.50 0.028 -30.90	85.00 0.009 -41.31
6.50 0.103 -19.78	30.50 0.030 -30.43	58.00 0.035 -29.19	85.50 0.009 -41.11
6.75 0.102 -19.84	31.00 0.031 -30.17	58.50 0.048 -26.39	86.00 0.009 -41.01
7.00 0.093 -20.61	31.50 0.026 -31.70	59.00 0.064 -23.92	86.50 0.009 -40.92
7.25 0.080 -21.94	32.00 0.019 -34.42	59.50 0.079 -22.09	87.00 0.009 -40.92
7.50 0.072 -22.85	32.50 0.022 -33.35	60.00 0.090 -20.90	87.50 0.009 -40.82
7.75 0.078 -22.11	33.00 0.026 -31.77	60.50 0.097 -20.26	88.00 0.009 -40.82
8.00 0.090 -20.96	33.50 0.023 -32.62	61.00 0.098 -20.14	88.50 0.009 -40.82
8.25 0.095 -20.44	34.00 0.019 -34.38	61.50 0.095 -20.48	89.00 0.009 -40.82
8.50 0.092 -20.73	34.50 0.023 -32.88	62.00 0.087 -21.25	89.50 0.009 -40.92