

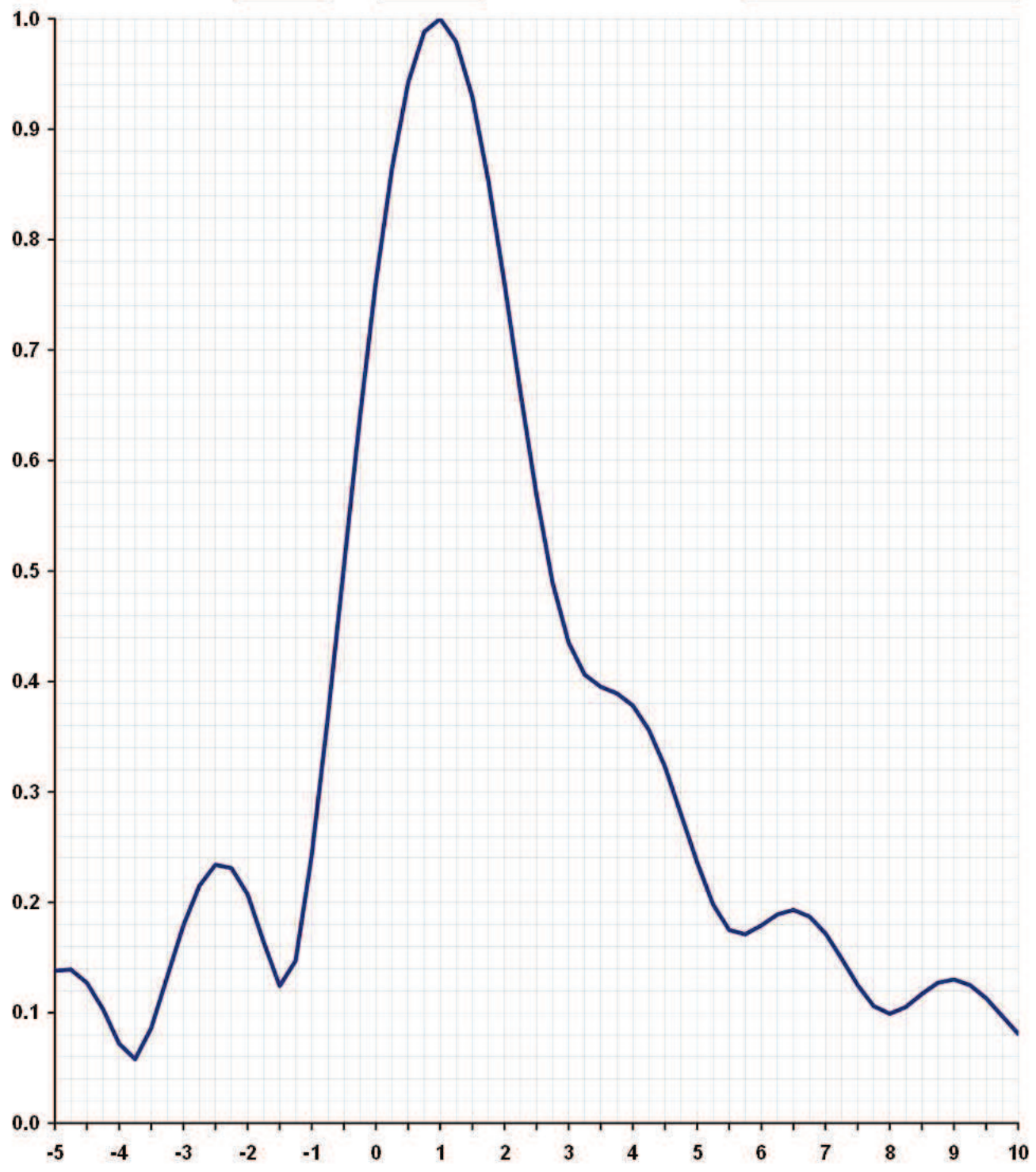
ATW24H4-ESTTX-28H

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ELEVATION PATTERN

TYPE:	ATW24H4H	
Directivity:	<u>Numeric</u>	<u>dBd</u>
Main Lobe:	<u>24.00</u>	<u>13.80</u>
Horizontal:	<u>13.94</u>	<u>11.44</u>

Frequency:	<u>28 (Digital)</u>
Location:	<u>Hardeeville, SC</u>
Beam Tilt:	<u>1.00</u>
Polarization:	<u>Horizontal</u>



TABULATED DATA FOR ELEVATION PATTERN**TYPE: ATW24H4H****-5 to 10 degrees in 0.25 increments****10 to 90 degrees in 0.50 increments**

ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB
-10.00	0.078	-22.16	2.00	0.761	-2.37	18.00	0.045	-26.94	42.00	0.018	-34.89	66.00	0.015	-36.48
-9.75	0.085	-21.41	2.25	0.662	-3.58	18.50	0.057	-24.88	42.50	0.021	-33.56	66.50	0.010	-40.00
-9.50	0.085	-21.41	2.50	0.568	-4.91	19.00	0.057	-24.88	43.00	0.030	-30.46	67.00	0.013	-37.72
-9.25	0.078	-22.16	2.75	0.489	-6.21	19.50	0.045	-26.94	43.50	0.035	-29.12	67.50	0.021	-33.56
-9.00	0.066	-23.61	3.00	0.435	-7.23	20.00	0.032	-29.90	44.00	0.035	-29.12	68.00	0.029	-30.75
-8.75	0.052	-25.68	3.25	0.406	-7.83	20.50	0.040	-27.96	44.50	0.028	-31.06	68.50	0.035	-29.12
-8.50	0.046	-26.74	3.50	0.395	-8.07	21.00	0.051	-25.85	45.00	0.020	-33.98	69.00	0.039	-28.18
-8.25	0.054	-25.35	3.75	0.389	-8.20	21.50	0.052	-25.68	45.50	0.017	-35.39	69.50	0.041	-27.74
-8.00	0.072	-22.85	4.00	0.378	-8.45	22.00	0.040	-27.96	46.00	0.024	-32.40	70.00	0.041	-27.74
-7.75	0.090	-20.92	4.25	0.356	-8.97	22.50	0.029	-30.75	46.50	0.032	-29.90	70.50	0.039	-28.18
-7.50	0.103	-19.74	4.50	0.323	-9.82	23.00	0.035	-29.12	47.00	0.036	-28.87	71.00	0.035	-29.12
-7.25	0.108	-19.33	4.75	0.280	-11.06	23.50	0.046	-26.74	47.50	0.033	-29.63	71.50	0.030	-30.46
-7.00	0.103	-19.74	5.00	0.236	-12.54	24.00	0.047	-26.56	48.00	0.026	-31.70	72.00	0.023	-32.77
-6.75	0.091	-20.82	5.25	0.198	-14.07	24.50	0.038	-28.40	48.50	0.018	-34.89	72.50	0.016	-35.92
-6.50	0.072	-22.85	5.50	0.175	-15.14	25.00	0.026	-31.70	49.00	0.017	-35.39	73.00	0.009	-40.92
-6.25	0.055	-25.19	5.75	0.171	-15.34	25.50	0.030	-30.46	49.50	0.024	-32.40	73.50	0.002	-53.98
-6.00	0.055	-25.19	6.00	0.179	-14.94	26.00	0.041	-27.74	50.00	0.032	-29.90	74.00	0.006	-44.44
-5.75	0.075	-22.50	6.25	0.189	-14.47	26.50	0.044	-27.13	50.50	0.036	-28.87	74.50	0.013	-37.72
-5.50	0.102	-19.83	6.50	0.193	-14.29	27.00	0.038	-28.40	51.00	0.034	-29.37	75.00	0.019	-34.42
-5.25	0.124	-18.13	6.75	0.187	-14.56	27.50	0.026	-31.70	51.50	0.029	-30.75	75.50	0.024	-32.40
-5.00	0.138	-17.20	7.00	0.172	-15.29	28.00	0.026	-31.70	52.00	0.020	-33.98	76.00	0.029	-30.75
-4.75	0.139	-17.14	7.25	0.149	-16.54	28.50	0.036	-28.87	52.50	0.015	-36.48	76.50	0.032	-29.90
-4.50	0.127	-17.92	7.50	0.125	-18.06	29.00	0.042	-27.54	53.00	0.019	-34.42	77.00	0.035	-29.12
-4.25	0.103	-19.74	7.75	0.106	-19.49	29.50	0.038	-28.40	53.50	0.027	-31.37	77.50	0.036	-28.87
-4.00	0.072	-22.85	8.00	0.099	-20.09	30.00	0.028	-31.06	54.00	0.034	-29.37	78.00	0.037	-28.64
-3.75	0.058	-24.73	8.25	0.105	-19.58	30.50	0.022	-33.15	54.50	0.036	-28.87	78.50	0.037	-28.64
-3.50	0.086	-21.31	8.50	0.117	-18.64	31.00	0.029	-30.75	55.00	0.033	-29.63	79.00	0.036	-28.87
-3.25	0.133	-17.52	8.75	0.127	-17.92	31.50	0.038	-28.40	55.50	0.027	-31.37	79.50	0.035	-29.12
-3.00	0.179	-14.94	9.00	0.130	-17.72	32.00	0.038	-28.40	56.00	0.019	-34.42	80.00	0.033	-29.63
-2.75	0.215	-13.35	9.25	0.125	-18.06	32.50	0.031	-30.17	56.50	0.014	-37.08	80.50	0.031	-30.17
-2.50	0.234	-12.62	9.50	0.113	-18.94	33.00	0.022	-33.15	57.00	0.018	-34.89	81.00	0.028	-31.06
-2.25	0.231	-12.73	9.75	0.097	-20.26	33.50	0.023	-32.77	57.50	0.026	-31.70	81.50	0.026	-31.70
-2.00	0.207	-13.68	10.00	0.081	-21.83	34.00	0.032	-29.90	58.00	0.033	-29.63	82.00	0.023	-32.77
-1.75	0.164	-15.70	10.50	0.073	-22.73	34.50	0.038	-28.40	58.50	0.037	-28.64	82.50	0.020	-33.98
-1.50	0.124	-18.13	11.00	0.091	-20.82	35.00	0.035	-29.12	59.00	0.037	-28.64	83.00	0.018	-34.89
-1.25	0.147	-16.65	11.50	0.098	-20.18	35.50	0.026	-31.70	59.50	0.033	-29.63	83.50	0.015	-36.48
-1.00	0.242	-12.32	12.00	0.083	-21.62	36.00	0.019	-34.42	60.00	0.027	-31.37	84.00	0.013	-37.72
-0.75	0.368	-8.68	12.50	0.059	-24.58	36.50	0.024	-32.40	60.50	0.019	-34.42	84.50	0.011	-39.17
-0.50	0.504	-5.95	13.00	0.059	-24.58	37.00	0.033	-29.63	61.00	0.013	-37.72	85.00	0.009	-40.92
-0.25	0.639	-3.89	13.50	0.075	-22.50	37.50	0.037	-28.64	61.50	0.016	-35.92	85.50	0.008	-41.94
0.00	0.762	-2.36	14.00	0.079	-22.05	38.00	0.033	-29.63	62.00	0.023	-32.77	86.00	0.006	-44.44
0.25	0.865	-1.26	14.50	0.063	-24.01	38.50	0.025	-32.04	62.50	0.031	-30.17	86.50	0.005	-46.02
0.50	0.942	-0.52	15.00	0.045	-26.94	39.00	0.018	-34.89	63.00	0.037	-28.64	87.00	0.004	-47.96
0.75	0.988	-0.10	15.50	0.050	-26.02	39.50	0.023	-32.77	63.50	0.040	-27.96	87.50	0.003	-50.46
1.00	1.000	0.00	16.00	0.064	-23.88	40.00	0.032	-29.90	64.00	0.039	-28.18	88.00	0.002	-53.98
1.25	0.979	-0.18	16.50	0.066	-23.61	40.50	0.036	-28.87	64.50	0.036	-28.87	88.50	0.002	-53.98
1.50	0.929	-0.64	17.00	0.052	-25.68	41.00	0.033	-29.63	65.00	0.030	-30.46	89.00	0.001	-60.00
1.75	0.853	-1.38	17.50	0.037	-28.64	41.50	0.025	-32.04	65.50	0.023	-32.77	89.50	0.001	-60.00
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