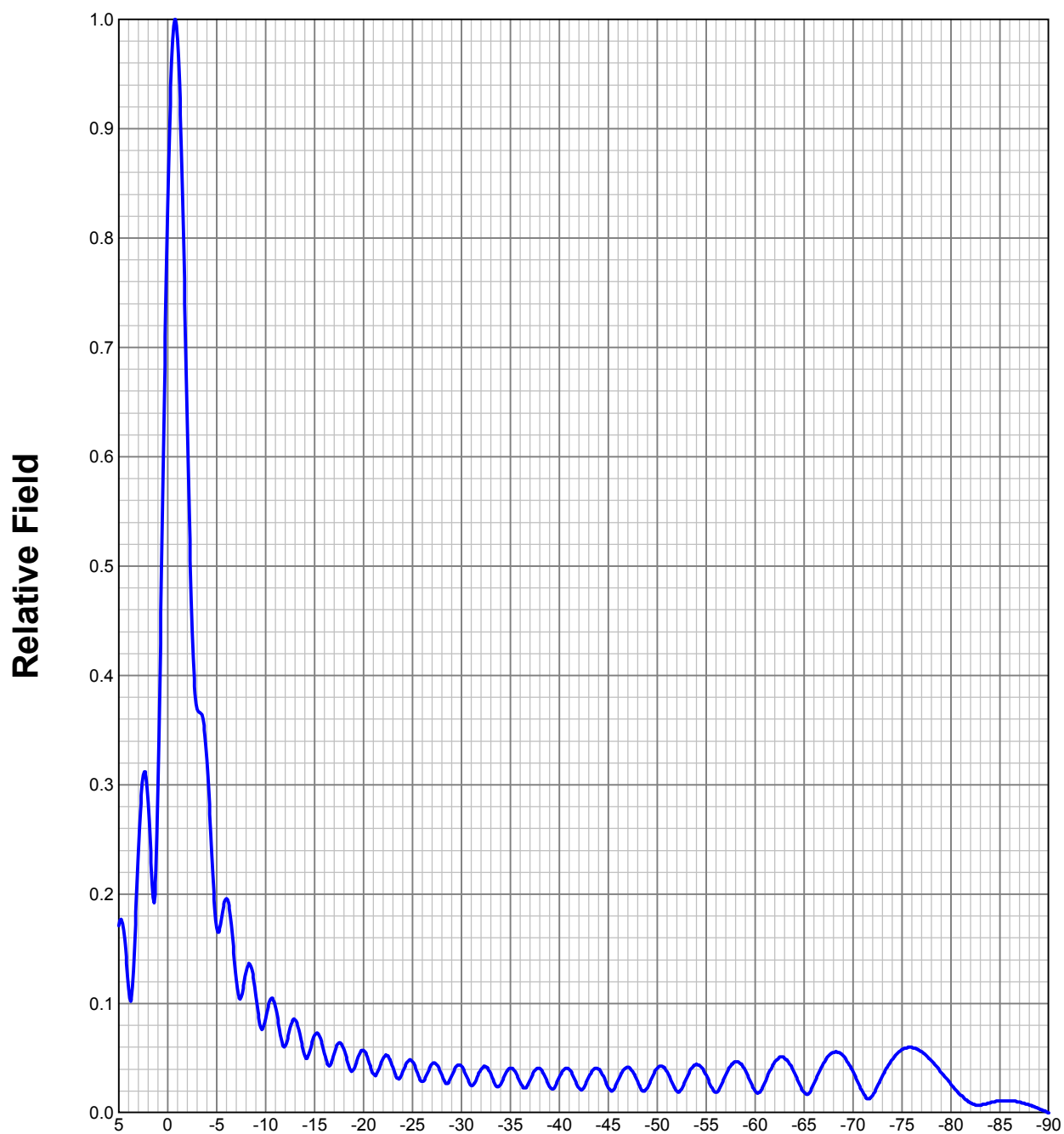


**ELEVATION PATTERN**

Type:	ATW24H3H		Channel:	48
Directivity:	Numeric	dBd	Location:	
Main Lobe:	24.00	13.80	Beam Tilt:	-0.75
Horizontal:	16.57	12.19	Polarization:	Horizontal



Preliminary, subject to final design and review.

## TABULATED DATA FOR ELEVATION PATTERN

Type: ATW24H3H  
Polarization: Horizontal

ANGLEFIELD	dB	ANGLEFIELD	dB	ANGLEFIELD	dB	ANGLEFIELD	dB	ANGLEFIELD	dB
5.00	0.171	-15.34	-6.75	0.146	-16.68	-27.00	0.045	-26.94	-50.50
4.75	0.176	-15.07	-7.00	0.122	-18.27	-27.50	0.044	-27.13	-51.00
4.50	0.167	-15.55	-7.25	0.106	-19.45	-28.00	0.035	-29.12	-51.50
4.25	0.143	-16.89	-7.50	0.106	-19.49	-28.50	0.027	-31.37	-52.00
4.00	0.114	-18.86	-7.75	0.116	-18.67	-29.00	0.034	-29.37	-52.50
3.75	0.103	-19.70	-8.00	0.129	-17.79	-29.50	0.043	-27.33	-53.00
3.50	0.130	-17.72	-8.25	0.136	-17.33	-30.00	0.043	-27.33	-53.50
3.25	0.183	-14.73	-8.50	0.134	-17.46	-30.50	0.034	-29.37	-54.00
3.00	0.239	-12.43	-8.75	0.124	-18.13	-31.00	0.025	-32.04	-54.50
2.75	0.283	-10.96	-9.00	0.107	-19.41	-31.50	0.030	-30.46	-55.00
2.50	0.309	-10.20	-9.25	0.090	-20.92	-32.00	0.040	-27.96	-55.50
2.25	0.309	-10.19	-9.50	0.078	-22.16	-32.50	0.042	-27.54	-56.00
2.00	0.284	-10.93	-9.75	0.078	-22.16	-33.00	0.036	-28.87	-56.50
1.75	0.239	-12.43	-10.00	0.086	-21.31	-33.50	0.025	-32.04	-57.00
1.50	0.197	-14.11	-10.50	0.104	-19.66	-34.00	0.026	-31.70	-57.50
1.25	0.211	-13.53	-11.00	0.097	-20.26	-34.50	0.036	-28.87	-58.00
1.00	0.298	-10.52	-11.50	0.071	-22.97	-35.00	0.041	-27.74	-58.50
0.75	0.429	-7.35	-12.00	0.061	-24.29	-35.50	0.038	-28.40	-59.00
0.50	0.572	-4.85	-12.50	0.078	-22.16	-36.00	0.028	-31.06	-59.50
0.25	0.710	-2.97	-13.00	0.085	-21.41	-36.50	0.023	-32.77	-60.00
0.00	0.831	-1.61	-13.50	0.072	-22.85	-37.00	0.030	-30.46	-60.50
-0.25	0.922	-0.70	-14.00	0.052	-25.68	-37.50	0.039	-28.18	-61.00
-0.50	0.981	-0.17	-14.50	0.056	-25.04	-38.00	0.041	-27.74	-61.50
-0.75	1.000	0.00	-15.00	0.071	-22.97	-38.50	0.034	-29.37	-62.00
-1.00	0.982	-0.16	-15.50	0.070	-23.10	-39.00	0.024	-32.40	-62.50
-1.25	0.927	-0.66	-16.00	0.054	-25.35	-39.50	0.023	-32.77	-63.00
-1.50	0.843	-1.48	-16.50	0.043	-27.33	-40.00	0.033	-29.63	-63.50
-1.75	0.740	-2.62	-17.00	0.054	-25.35	-40.50	0.040	-27.96	-64.00
-2.00	0.629	-4.03	-17.50	0.064	-23.88	-41.00	0.040	-27.96	-64.50
-2.25	0.524	-5.61	-18.00	0.058	-24.73	-41.50	0.032	-29.90	-65.00
-2.50	0.440	-7.13	-18.50	0.043	-27.33	-42.00	0.023	-32.77	-65.50
-2.75	0.390	-8.18	-19.00	0.040	-27.96	-42.50	0.023	-32.77	-66.00
-3.00	0.369	-8.66	-19.50	0.052	-25.68	-43.00	0.033	-29.63	-66.50
-3.25	0.366	-8.73	-20.00	0.057	-24.88	-43.50	0.040	-27.96	-67.00
-3.50	0.364	-8.78	-20.50	0.048	-26.38	-44.00	0.040	-27.96	-67.50
-3.75	0.350	-9.12	-21.00	0.036	-28.87	-44.50	0.034	-29.37	-68.00
-4.00	0.323	-9.82	-21.50	0.039	-28.18	-45.00	0.023	-32.77	-68.50
-4.25	0.282	-11.00	-22.00	0.050	-26.02	-45.50	0.021	-33.56	-69.00
-4.50	0.236	-12.54	-22.50	0.052	-25.68	-46.00	0.030	-30.46	-69.50
-4.75	0.195	-14.20	-23.00	0.042	-27.54	-46.50	0.039	-28.18	-70.00
-5.00	0.169	-15.44	-23.50	0.032	-29.90	-47.00	0.042	-27.54	-70.50
-5.25	0.167	-15.57	-24.00	0.038	-28.40	-47.50	0.038	-28.40	-71.00
-5.50	0.178	-14.99	-24.50	0.047	-26.56	-48.00	0.029	-30.75	-71.50
-5.75	0.191	-14.38	-25.00	0.047	-26.56	-48.50	0.020	-33.98	-72.00
-6.00	0.196	-14.15	-25.50	0.037	-28.64	-49.00	0.023	-32.77	-72.50
-6.25	0.190	-14.45	-26.00	0.029	-30.75	-49.50	0.033	-29.63	-73.00
-6.50	0.172	-15.29	-26.50	0.036	-28.87	-50.00	0.041	-27.74	-73.50

*Preliminary, subject to final design and review.*