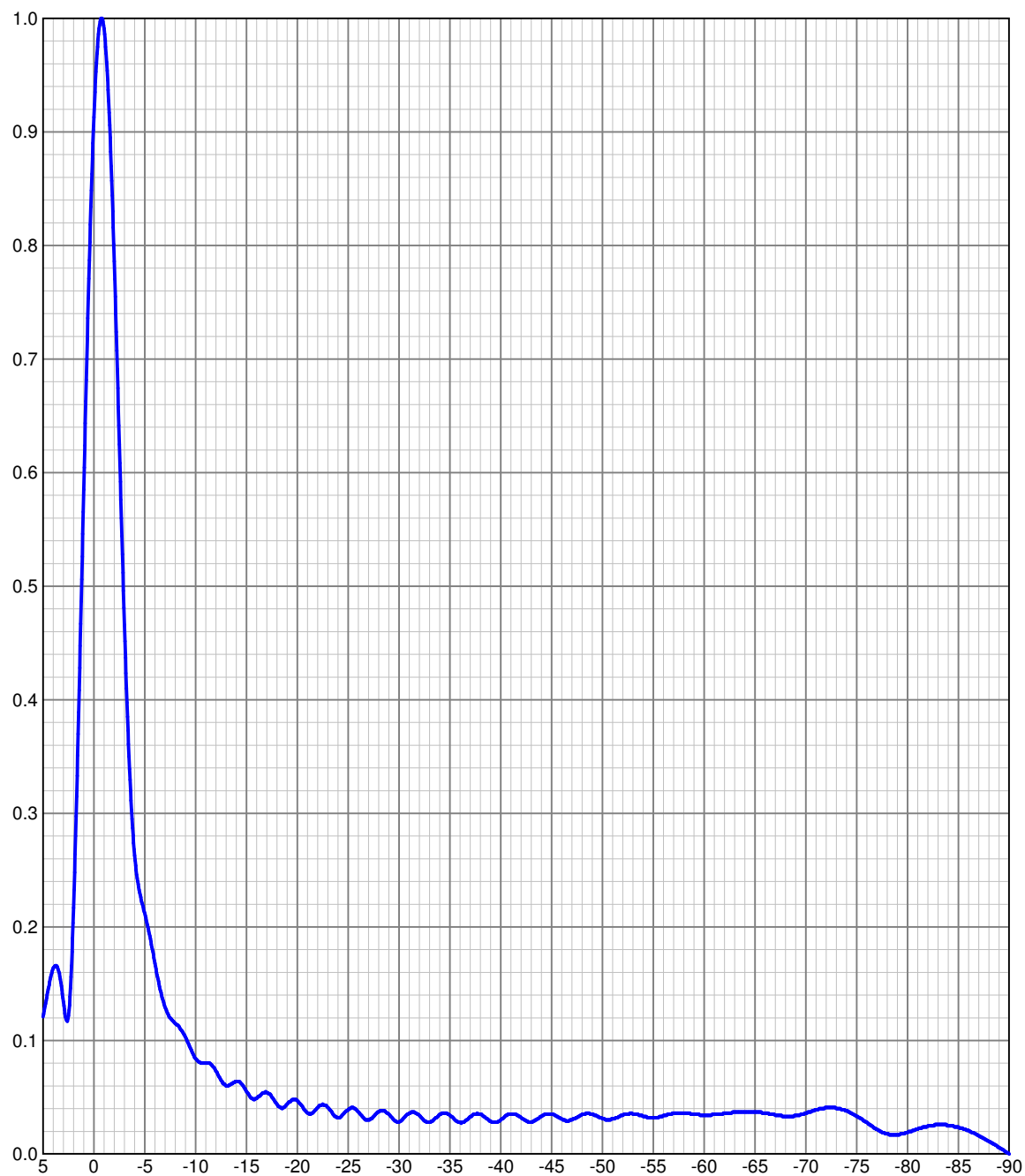


**ELEVATION PATTERN****Type:****ATW20HS3H****Channel:****19****Directivity:****Numeric****dBd****Location:****Main Lobe:****20.00****13.01****Beam Tilt:****-0.75****Horizontal:****16.67****12.22****Polarization:****Horizontal****Relative Field**

## TABULATED DATA FOR ELEVATION PATTERN

Type: ATW20HS3H

Polarization: Horizontal

ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB
5.00	0.121	-18.34	-6.75	0.137	-17.30	-27.00	0.030	-30.46	-50.50	0.030	-30.46	-74.00	0.038	-28.40
4.75	0.133	-17.56	-7.00	0.129	-17.79	-27.50	0.033	-29.63	-51.00	0.031	-30.17	-74.50	0.036	-28.87
4.50	0.145	-16.77	-7.25	0.124	-18.13	-28.00	0.037	-28.64	-51.50	0.032	-29.90	-75.00	0.033	-29.63
4.25	0.156	-16.14	-7.50	0.120	-18.42	-28.50	0.038	-28.40	-52.00	0.034	-29.37	-75.50	0.031	-30.17
4.00	0.164	-15.70	-7.75	0.117	-18.60	-29.00	0.035	-29.12	-52.50	0.035	-29.12	-76.00	0.028	-31.06
3.75	0.166	-15.60	-8.00	0.115	-18.79	-29.50	0.030	-30.46	-53.00	0.035	-29.12	-76.50	0.025	-32.04
3.50	0.162	-15.81	-8.25	0.114	-18.90	-30.00	0.028	-31.06	-53.50	0.035	-29.12	-77.00	0.022	-33.15
3.25	0.151	-16.42	-8.50	0.110	-19.17	-30.50	0.032	-29.90	-54.00	0.033	-29.63	-77.50	0.019	-34.42
3.00	0.134	-17.46	-8.75	0.107	-19.41	-31.00	0.036	-28.87	-54.50	0.032	-29.90	-78.00	0.018	-34.89
2.75	0.119	-18.45	-9.00	0.103	-19.74	-31.50	0.037	-28.64	-55.00	0.032	-29.90	-78.50	0.017	-35.39
2.50	0.122	-18.27	-9.25	0.098	-20.18	-32.00	0.034	-29.37	-55.50	0.032	-29.90	-79.00	0.017	-35.39
2.25	0.156	-16.14	-9.50	0.093	-20.63	-32.50	0.029	-30.75	-56.00	0.034	-29.37	-79.50	0.018	-34.89
2.00	0.217	-13.27	-9.75	0.088	-21.11	-33.00	0.028	-31.06	-56.50	0.035	-29.12	-80.00	0.019	-34.42
1.75	0.297	-10.53	-10.00	0.084	-21.51	-33.50	0.031	-30.17	-57.00	0.036	-28.87	-80.50	0.021	-33.56
1.50	0.389	-8.20	-10.50	0.080	-21.94	-34.00	0.035	-29.12	-57.50	0.036	-28.87	-81.00	0.022	-33.15
1.25	0.487	-6.26	-11.00	0.080	-21.94	-34.50	0.036	-28.87	-58.00	0.036	-28.87	-81.50	0.024	-32.40
1.00	0.585	-4.66	-11.50	0.079	-22.05	-35.00	0.034	-29.37	-58.50	0.036	-28.87	-82.00	0.025	-32.04
0.75	0.681	-3.33	-12.00	0.073	-22.73	-35.50	0.030	-30.46	-59.00	0.035	-29.12	-82.50	0.025	-32.04
0.50	0.771	-2.26	-12.50	0.065	-23.74	-36.00	0.028	-31.06	-59.50	0.035	-29.12	-83.00	0.026	-31.70
0.25	0.849	-1.43	-13.00	0.060	-24.44	-36.50	0.029	-30.75	-60.00	0.034	-29.37	-83.50	0.026	-31.70
0.00	0.913	-0.79	-13.50	0.062	-24.15	-37.00	0.033	-29.63	-60.50	0.034	-29.37	-84.00	0.025	-32.04
-0.25	0.961	-0.35	-14.00	0.064	-23.88	-37.50	0.035	-29.12	-61.00	0.035	-29.12	-84.50	0.025	-32.04
-0.50	0.991	-0.08	-14.50	0.062	-24.15	-38.00	0.035	-29.12	-61.50	0.035	-29.12	-85.00	0.024	-32.40
-0.75	1.000	0.00	-15.00	0.055	-25.19	-38.50	0.032	-29.90	-62.00	0.036	-28.87	-85.50	0.022	-33.15
-1.00	0.991	-0.08	-15.50	0.049	-26.20	-39.00	0.029	-30.75	-62.50	0.036	-28.87	-86.00	0.021	-33.56
-1.25	0.962	-0.34	-16.00	0.049	-26.20	-39.50	0.028	-31.06	-63.00	0.037	-28.64	-86.50	0.019	-34.42
-1.50	0.917	-0.75	-16.50	0.053	-25.51	-40.00	0.030	-30.46	-63.50	0.037	-28.64	-87.00	0.016	-35.92
-1.75	0.857	-1.34	-17.00	0.054	-25.35	-40.50	0.034	-29.37	-64.00	0.037	-28.64	-87.50	0.014	-37.08
-2.00	0.786	-2.09	-17.50	0.050	-26.02	-41.00	0.035	-29.12	-64.50	0.037	-28.64	-88.00	0.011	-39.17
-2.25	0.708	-3.01	-18.00	0.044	-27.13	-41.50	0.035	-29.12	-65.00	0.037	-28.64	-88.50	0.009	-40.92
-2.50	0.625	-4.08	-18.50	0.040	-27.96	-42.00	0.032	-29.90	-65.50	0.037	-28.64	-89.00	0.006	-44.44
-2.75	0.544	-5.29	-19.00	0.044	-27.13	-42.50	0.029	-30.75	-66.00	0.036	-28.87	-89.50	0.003	-50.46
-3.00	0.466	-6.63	-19.50	0.048	-26.38	-43.00	0.028	-31.06	-66.50	0.035	-29.12	-90.00	0.000	-40.00
-3.25	0.397	-8.01	-20.00	0.047	-26.56	-43.50	0.030	-30.46	-67.00	0.034	-29.37			
-3.50	0.339	-9.40	-20.50	0.042	-27.54	-44.00	0.033	-29.63	-67.50	0.034	-29.37			
-3.75	0.295	-10.60	-21.00	0.036	-28.87	-44.50	0.035	-29.12	-68.00	0.033	-29.63			
-4.00	0.263	-11.60	-21.50	0.036	-28.87	-45.00	0.035	-29.12	-68.50	0.033	-29.63			
-4.25	0.243	-12.29	-22.00	0.041	-27.74	-45.50	0.033	-29.63	-69.00	0.034	-29.37			
-4.50	0.230	-12.77	-22.50	0.044	-27.13	-46.00	0.031	-30.17	-69.50	0.035	-29.12			
-4.75	0.221	-13.13	-23.00	0.041	-27.74	-46.50	0.029	-30.75	-70.00	0.036	-28.87			
-5.00	0.212	-13.47	-23.50	0.035	-29.12	-47.00	0.030	-30.46	-70.50	0.037	-28.64			
-5.25	0.202	-13.89	-24.00	0.032	-29.90	-47.50	0.032	-29.90	-71.00	0.039	-28.18			
-5.50	0.192	-14.33	-24.50	0.035	-29.12	-48.00	0.035	-29.12	-71.50	0.040	-27.96			
-5.75	0.180	-14.89	-25.00	0.039	-28.18	-48.50	0.036	-28.87	-72.00	0.041	-27.74			
-6.00	0.168	-15.49	-25.50	0.041	-27.74	-49.00	0.035	-29.12	-72.50	0.041	-27.74			
-6.25	0.156	-16.14	-26.00	0.037	-28.64	-49.50	0.033	-29.63	-73.00	0.040	-27.96			
-6.50	0.145	-16.77	-26.50	0.032	-29.90	-50.00	0.031	-30.17	-73.50	0.039	-28.18			