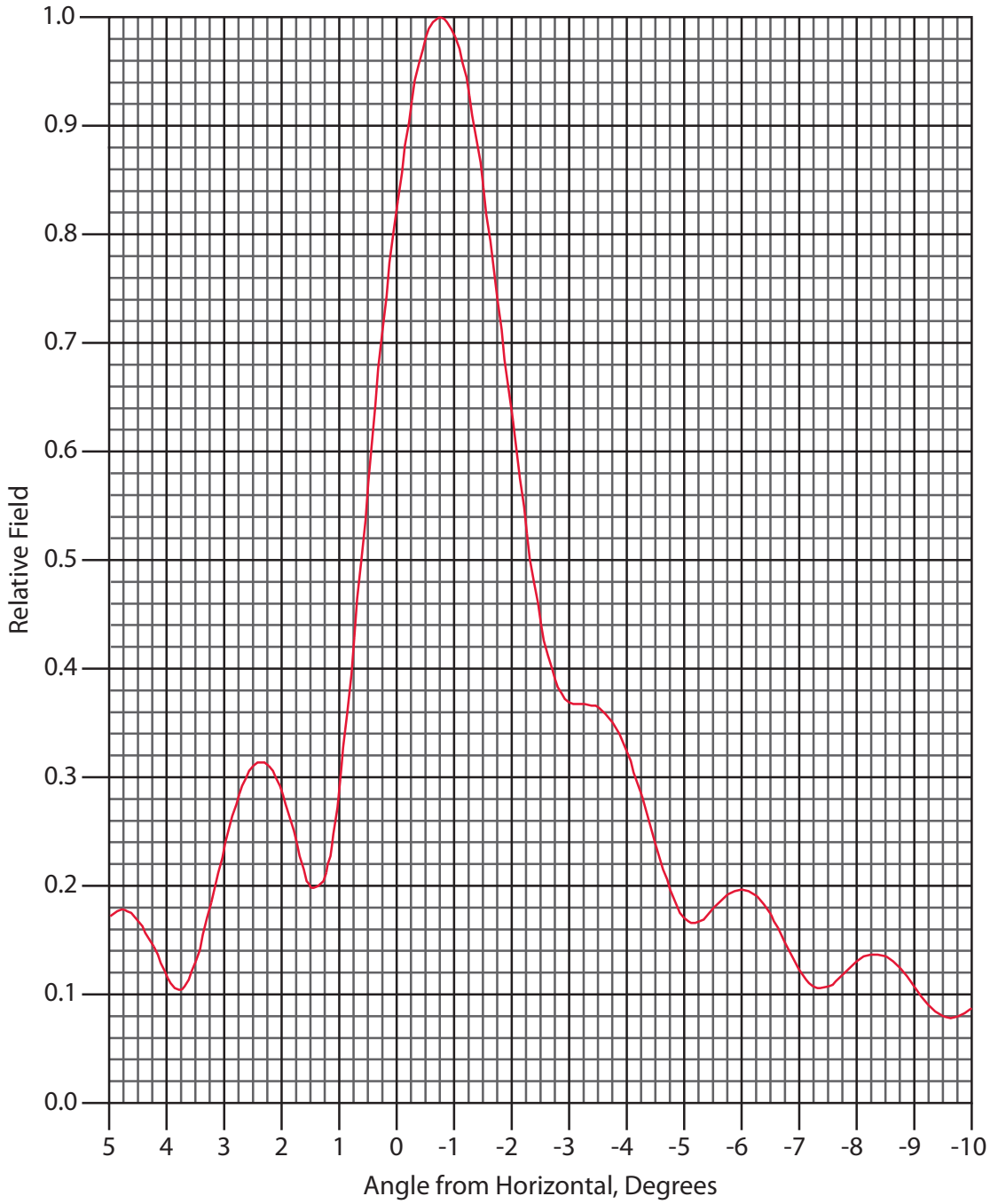
## Elevation Pattern

| | | |
|---|---|---|
| **Type:** | ATW24H3H | |
| **Directivity** | *Numeric* | *dBd* |
| **Main Lobe:** | 24.00 | (13.80) |
| **Horizontal:** | 16.88 | (12.27) |
| **Beam Tilt** | -0.75 ° | |
| **Polarization:** | Horizontal | |
| **Frequency:** | | |
| **Location:** | | |




7777 Gardner Road
Chandler, IN 47610-9219
USA

+1 812 925-6000 (tel)
+1 812 925-4030 (fax)
877 ERI-LINE (toll-free)

Sales@eriinc.com
CustomerSupport@eriinc.com
www.eriinc.com

# Tabulated Data for Elevation Pattern

## Type: ATW24H3H

-5 to 10 degrees in 0.25 degree increments
10 to 90 degrees in 0.50 degree increments

| Angle | Field | dB |
|---|---|---|
| 5.00 | 0.171 | -15.34 |
| 4.75 | 0.177 | -15.04 |
| 4.50 | 0.167 | -15.55 |
| 4.25 | 0.143 | -16.89 |
| 4.00 | 0.114 | -18.86 |
| 3.75 | 0.104 | -19.66 |
| 3.50 | 0.130 | -17.72 |
| 3.25 | 0.184 | -14.70 |
| 3.00 | 0.239 | -12.43 |
| 2.75 | 0.283 | -10.96 |
| 2.50 | 0.309 | -10.20 |
| 2.25 | 0.310 | -10.17 |
| 2.00 | 0.284 | -10.93 |
| 1.75 | 0.239 | -12.43 |
| 1.50 | 0.197 | -14.11 |
| 1.25 | 0.211 | -13.51 |
| 1.00 | 0.298 | -10.52 |
| 0.75 | 0.429 | -7.35 |
| 0.50 | 0.572 | -4.85 |
| 0.25 | 0.710 | -2.97 |
| 0.00 | 0.831 | -1.61 |
| -0.25 | 0.923 | -0.70 |
| -0.50 | 0.981 | -0.17 |
| -0.75 | 1.000 | 0.00 |
| -1.00 | 0.982 | -0.16 |
| -1.25 | 0.927 | -0.66 |
| -1.50 | 0.843 | -1.48 |
| -1.75 | 0.740 | -2.62 |
| -2.00 | 0.629 | -4.03 |
| -2.25 | 0.524 | -5.61 |
| -2.50 | 0.440 | -7.13 |
| -2.75 | 0.390 | -8.18 |
| -3.00 | 0.369 | -8.66 |
| -3.25 | 0.366 | -8.73 |
| -3.50 | 0.364 | -8.78 |
| -3.75 | 0.350 | -9.12 |
| -4.00 | 0.323 | -9.82 |
| -4.25 | 0.282 | -11.00 |
| -4.50 | 0.236 | -12.54 |
| -4.75 | 0.195 | -14.20 |
| -5.00 | 0.169 | -15.44 |
| -5.25 | 0.167 | -15.55 |
| -5.50 | 0.178 | -14.99 |
| -5.75 | 0.191 | -14.38 |
| -6.00 | 0.196 | -14.15 |

| Angle | Field | dB |
|---|---|---|
| -6.25 | 0.190 | -14.42 |
| -6.50 | 0.172 | -15.29 |
| -6.75 | 0.147 | -16.65 |
| -7.00 | 0.122 | -18.27 |
| -7.25 | 0.107 | -19.41 |
| -7.50 | 0.106 | -19.49 |
| -7.75 | 0.117 | -18.64 |
| -8.00 | 0.129 | -17.79 |
| -8.25 | 0.136 | -17.33 |
| -8.50 | 0.134 | -17.46 |
| -8.75 | 0.124 | -18.13 |
| -9.00 | 0.107 | -19.41 |
| -9.25 | 0.090 | -20.92 |
| -9.50 | 0.078 | -22.16 |
| -9.75 | 0.078 | -22.16 |
| -10.00 | 0.086 | -21.31 |
| -10.50 | 0.104 | -19.66 |
| -11.00 | 0.097 | -20.26 |
| -11.50 | 0.071 | -22.97 |
| -12.00 | 0.061 | -24.29 |
| -12.50 | 0.078 | -22.16 |
| -13.00 | 0.085 | -21.41 |
| -13.50 | 0.072 | -22.85 |
| -14.00 | 0.052 | -25.68 |
| -14.50 | 0.056 | -25.04 |
| -15.00 | 0.071 | -22.97 |
| -15.50 | 0.070 | -23.10 |
| -16.00 | 0.054 | -25.35 |
| -16.50 | 0.043 | -27.33 |
| -17.00 | 0.054 | -25.35 |
| -17.50 | 0.064 | -23.88 |
| -18.00 | 0.058 | -24.73 |
| -18.50 | 0.043 | -27.33 |
| -19.00 | 0.040 | -27.96 |
| -19.50 | 0.052 | -25.68 |
| -20.00 | 0.057 | -24.88 |
| -20.50 | 0.048 | -26.38 |
| -21.00 | 0.036 | -28.87 |
| -21.50 | 0.039 | -28.18 |
| -22.00 | 0.050 | -26.02 |
| -22.50 | 0.052 | -25.68 |
| -23.00 | 0.042 | -27.54 |
| -23.50 | 0.032 | -29.90 |
| -24.00 | 0.038 | -28.40 |
| -24.50 | 0.047 | -26.56 |

| Angle | Field | dB |
|---|---|---|
| -25.00 | 0.047 | -26.56 |
| -25.50 | 0.037 | -28.64 |
| -26.00 | 0.029 | -30.75 |
| -26.50 | 0.036 | -28.87 |
| -27.00 | 0.045 | -26.94 |
| -27.50 | 0.044 | -27.13 |
| -28.00 | 0.035 | -29.12 |
| -28.50 | 0.027 | -31.37 |
| -29.00 | 0.034 | -29.37 |
| -29.50 | 0.043 | -27.33 |
| -30.00 | 0.043 | -27.33 |
| -30.50 | 0.034 | -29.37 |
| -31.00 | 0.025 | -32.04 |
| -31.50 | 0.030 | -30.46 |
| -32.00 | 0.040 | -27.96 |
| -32.50 | 0.042 | -27.54 |
| -33.00 | 0.036 | -28.87 |
| -33.50 | 0.025 | -32.04 |
| -34.00 | 0.026 | -31.70 |
| -34.50 | 0.036 | -28.87 |
| -35.00 | 0.041 | -27.74 |
| -35.50 | 0.038 | -28.40 |
| -36.00 | 0.028 | -31.06 |
| -36.50 | 0.023 | -32.77 |
| -37.00 | 0.030 | -30.46 |
| -37.50 | 0.039 | -28.18 |
| -38.00 | 0.041 | -27.74 |
| -38.50 | 0.034 | -29.37 |
| -39.00 | 0.024 | -32.40 |
| -39.50 | 0.023 | -32.77 |
| -40.00 | 0.033 | -29.63 |
| -40.50 | 0.040 | -27.96 |
| -41.00 | 0.040 | -27.96 |
| -41.50 | 0.032 | -29.90 |
| -42.00 | 0.023 | -32.77 |
| -42.50 | 0.023 | -32.77 |
| -43.00 | 0.033 | -29.63 |
| -43.50 | 0.040 | -27.96 |
| -44.00 | 0.040 | -27.96 |
| -44.50 | 0.034 | -29.37 |
| -45.00 | 0.023 | -32.77 |
| -45.50 | 0.021 | -33.56 |
| -46.00 | 0.030 | -30.46 |
| -46.50 | 0.039 | -28.18 |
| -47.00 | 0.042 | -27.54 |

| Angle | Field | dB |
|---|---|---|
| -47.50 | 0.038 | -28.40 |
| -48.00 | 0.029 | -30.75 |
| -48.50 | 0.020 | -33.98 |
| -49.00 | 0.023 | -32.77 |
| -49.50 | 0.033 | -29.63 |
| -50.00 | 0.041 | -27.74 |
| -50.50 | 0.043 | -27.33 |
| -51.00 | 0.038 | -28.40 |
| -51.50 | 0.028 | -31.06 |
| -52.00 | 0.020 | -33.98 |
| -52.50 | 0.022 | -33.15 |
| -53.00 | 0.032 | -29.90 |
| -53.50 | 0.041 | -27.74 |
| -54.00 | 0.045 | -26.94 |
| -54.50 | 0.042 | -27.54 |
| -55.00 | 0.035 | -29.12 |
| -55.50 | 0.024 | -32.40 |
| -56.00 | 0.019 | -34.42 |
| -56.50 | 0.025 | -32.04 |
| -57.00 | 0.035 | -29.12 |
| -57.50 | 0.043 | -27.33 |
| -58.00 | 0.047 | -26.56 |
| -58.50 | 0.045 | -26.94 |
| -59.00 | 0.039 | -28.18 |
| -59.50 | 0.029 | -30.75 |
| -60.00 | 0.020 | -33.98 |
| -60.50 | 0.019 | -34.42 |
| -61.00 | 0.028 | -31.06 |
| -61.50 | 0.039 | -28.18 |
| -62.00 | 0.047 | -26.56 |
| -62.50 | 0.051 | -25.85 |
| -63.00 | 0.050 | -26.02 |
| -63.50 | 0.045 | -26.94 |
| -64.00 | 0.037 | -28.64 |
| -64.50 | 0.027 | -31.37 |
| -65.00 | 0.019 | -34.42 |
| -65.50 | 0.018 | -34.89 |
| -66.00 | 0.027 | -31.37 |
| -66.50 | 0.037 | -28.64 |
| -67.00 | 0.046 | -26.74 |
| -67.50 | 0.052 | -25.68 |
| -68.00 | 0.055 | -25.19 |
| -68.50 | 0.055 | -25.19 |
| -69.00 | 0.052 | -25.68 |
| -69.50 | 0.046 | -26.74 |

| Angle | Field | dB |
|---|---|---|
| -70.00 | 0.038 | -28.40 |
| -70.50 | 0.028 | -31.06 |
| -71.00 | 0.019 | -34.42 |
| -71.50 | 0.013 | -37.72 |
| -72.00 | 0.016 | -35.92 |
| -72.50 | 0.025 | -32.04 |
| -73.00 | 0.034 | -29.37 |
| -73.50 | 0.042 | -27.54 |
| -74.00 | 0.049 | -26.20 |
| -74.50 | 0.054 | -25.35 |
| -75.00 | 0.058 | -24.73 |
| -75.50 | 0.059 | -24.58 |
| -76.00 | 0.060 | -24.44 |
| -76.50 | 0.058 | -24.73 |
| -77.00 | 0.056 | -25.04 |
| -77.50 | 0.052 | -25.68 |
| -78.00 | 0.048 | -26.38 |
| -78.50 | 0.043 | -27.33 |
| -79.00 | 0.037 | -28.64 |
| -79.50 | 0.032 | -29.90 |
| -80.00 | 0.026 | -31.70 |
| -80.50 | 0.021 | -33.56 |
| -81.00 | 0.016 | -35.92 |
| -81.50 | 0.012 | -38.42 |
| -82.00 | 0.009 | -40.92 |
| -82.50 | 0.007 | -43.10 |
| -83.00 | 0.007 | -43.10 |
| -83.50 | 0.008 | -41.94 |
| -84.00 | 0.009 | -40.92 |
| -84.50 | 0.010 | -40.00 |
| -85.00 | 0.011 | -39.17 |
| -85.50 | 0.011 | -39.17 |
| -86.00 | 0.011 | -39.17 |
| -86.50 | 0.011 | -39.17 |
| -87.00 | 0.010 | -40.00 |
| -87.50 | 0.009 | -40.92 |
| -88.00 | 0.007 | -43.10 |
| -88.50 | 0.006 | -44.44 |
| -89.00 | 0.004 | -47.96 |
| -89.50 | 0.002 | -53.98 |
| -90.00 | 0.000 | --- |

7777 Gardner Road
Chandler, IN 47610-9219
USA

+1 812 925-6000 (tel)
+1 812 925-4030 (fax)
877 ERI-LINE (toll-free)

Sales@eriinc.com
CustomerSupport@eriinc.com
www.eriinc.com