

Elevation Pattern

Type: ATW15H3H

Polarization: Horizontal

Directivity:

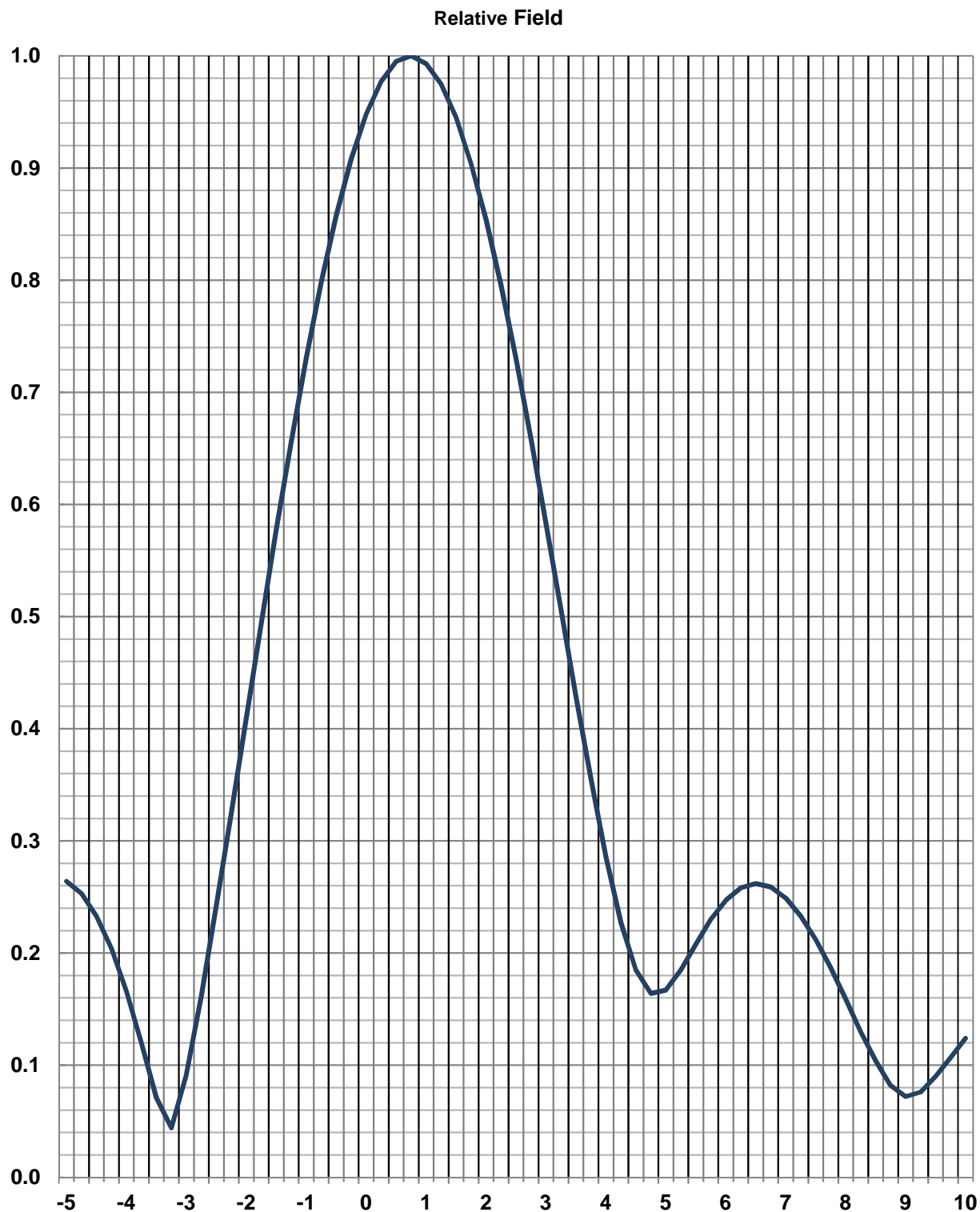
Frequency: 23 (ATSC)

Main Lobe: 15.00 numeric (11.76 dB)

Location: Paducah, KY

Horizontal: 13.48 numeric (11.30 dB)

Beam Tilt: 0.75 degrees



Tabulated Data for Elevation PatternType: ATW15H3H

-5 to 10 degrees in 0.25 degree increments.

10 to 90 degrees in 0.50 degree increments.

| Angle | Field | dB | Angle | Field | dB | Angle | Field | dB | Angle | Field | dB | Angle | Field | dB |
|-------|-------|--------|-------|-------|--------|-------|-------|--------|-------|-------|--------|-------|-------|--------|
| -5.00 | 0.264 | -11.57 | 7.25 | 0.233 | -12.65 | 29.00 | 0.070 | -23.10 | 53.50 | 0.040 | -27.96 | 78.00 | 0.022 | -33.15 |
| -4.75 | 0.253 | -11.94 | 7.50 | 0.212 | -13.47 | 29.50 | 0.068 | -23.35 | 54.00 | 0.029 | -30.75 | 78.50 | 0.026 | -31.70 |
| -4.50 | 0.233 | -12.65 | 7.75 | 0.187 | -14.56 | 30.00 | 0.060 | -24.44 | 54.50 | 0.019 | -34.42 | 79.00 | 0.029 | -30.75 |
| -4.25 | 0.204 | -13.81 | 8.00 | 0.159 | -15.97 | 30.50 | 0.047 | -26.56 | 55.00 | 0.016 | -35.92 | 79.50 | 0.032 | -29.90 |
| -4.00 | 0.166 | -15.60 | 8.25 | 0.130 | -17.72 | 31.00 | 0.032 | -29.90 | 55.50 | 0.022 | -33.15 | 80.00 | 0.034 | -29.37 |
| -3.75 | 0.120 | -18.42 | 8.50 | 0.104 | -19.66 | 31.50 | 0.021 | -33.56 | 56.00 | 0.032 | -29.90 | 80.50 | 0.036 | -28.87 |
| -3.50 | 0.071 | -22.97 | 8.75 | 0.082 | -21.72 | 32.00 | 0.026 | -31.70 | 56.50 | 0.043 | -27.33 | 81.00 | 0.037 | -28.64 |
| -3.25 | 0.044 | -27.13 | 9.00 | 0.072 | -22.85 | 32.50 | 0.040 | -27.96 | 57.00 | 0.052 | -25.68 | 81.50 | 0.038 | -28.40 |
| -3.00 | 0.091 | -20.82 | 9.25 | 0.076 | -22.38 | 33.00 | 0.052 | -25.68 | 57.50 | 0.059 | -24.58 | 82.00 | 0.038 | -28.40 |
| -2.75 | 0.162 | -15.81 | 9.50 | 0.090 | -20.92 | 33.50 | 0.061 | -24.29 | 58.00 | 0.065 | -23.74 | 82.50 | 0.038 | -28.40 |
| -2.50 | 0.242 | -12.32 | 9.75 | 0.107 | -19.41 | 34.00 | 0.065 | -23.74 | 58.50 | 0.068 | -23.35 | 83.00 | 0.037 | -28.64 |
| -2.25 | 0.325 | -9.76 | 10.00 | 0.124 | -18.13 | 34.50 | 0.063 | -24.01 | 59.00 | 0.068 | -23.35 | 83.50 | 0.036 | -28.87 |
| -2.00 | 0.409 | -7.77 | 10.50 | 0.148 | -16.59 | 35.00 | 0.056 | -25.04 | 59.50 | 0.067 | -23.48 | 84.00 | 0.035 | -29.12 |
| -1.75 | 0.494 | -6.13 | 11.00 | 0.156 | -16.14 | 35.50 | 0.044 | -27.13 | 60.00 | 0.063 | -24.01 | 84.50 | 0.033 | -29.63 |
| -1.50 | 0.577 | -4.78 | 11.50 | 0.146 | -16.71 | 36.00 | 0.031 | -30.17 | 60.50 | 0.057 | -24.88 | 85.00 | 0.031 | -30.17 |
| -1.25 | 0.656 | -3.66 | 12.00 | 0.121 | -18.34 | 36.50 | 0.020 | -33.98 | 61.00 | 0.049 | -26.20 | 85.50 | 0.028 | -31.06 |
| -1.00 | 0.731 | -2.72 | 12.50 | 0.087 | -21.21 | 37.00 | 0.022 | -33.15 | 61.50 | 0.040 | -27.96 | 86.00 | 0.025 | -32.04 |
| -0.75 | 0.798 | -1.96 | 13.00 | 0.055 | -25.19 | 37.50 | 0.034 | -29.37 | 62.00 | 0.031 | -30.17 | 86.50 | 0.023 | -32.77 |
| -0.50 | 0.858 | -1.33 | 13.50 | 0.048 | -26.38 | 38.00 | 0.046 | -26.74 | 62.50 | 0.021 | -33.56 | 87.00 | 0.019 | -34.42 |
| -0.25 | 0.908 | -0.84 | 14.00 | 0.071 | -22.97 | 38.50 | 0.056 | -25.04 | 63.00 | 0.015 | -36.48 | 87.50 | 0.016 | -35.92 |
| 0.00 | 0.948 | -0.46 | 14.50 | 0.095 | -20.45 | 39.00 | 0.061 | -24.29 | 63.50 | 0.015 | -36.48 | 88.00 | 0.013 | -37.72 |
| 0.25 | 0.977 | -0.20 | 15.00 | 0.110 | -19.17 | 39.50 | 0.062 | -24.15 | 64.00 | 0.023 | -32.77 | 88.50 | 0.009 | -40.92 |
| 0.50 | 0.995 | -0.04 | 15.50 | 0.113 | -18.94 | 40.00 | 0.058 | -24.73 | 64.50 | 0.032 | -29.90 | 89.00 | 0.005 | -46.02 |
| 0.75 | 1.000 | 0.00 | 16.00 | 0.103 | -19.74 | 40.50 | 0.050 | -26.02 | 65.00 | 0.042 | -27.54 | 89.50 | 0.002 | -53.98 |
| 1.00 | 0.993 | -0.06 | 16.50 | 0.083 | -21.62 | 41.00 | 0.039 | -28.18 | 65.50 | 0.050 | -26.02 | 90.00 | 0.000 | --- |
| 1.25 | 0.975 | -0.22 | 17.00 | 0.057 | -24.88 | 41.50 | 0.027 | -31.37 | 66.00 | 0.058 | -24.73 | | | |
| 1.50 | 0.945 | -0.49 | 17.50 | 0.036 | -28.87 | 42.00 | 0.018 | -34.89 | 66.50 | 0.064 | -23.88 | | | |
| 1.75 | 0.904 | -0.88 | 18.00 | 0.039 | -28.18 | 42.50 | 0.021 | -33.56 | 67.00 | 0.070 | -23.10 | | | |
| 2.00 | 0.854 | -1.37 | 18.50 | 0.060 | -24.44 | 43.00 | 0.033 | -29.63 | 67.50 | 0.073 | -22.73 | | | |
| 2.25 | 0.795 | -1.99 | 19.00 | 0.079 | -22.05 | 43.50 | 0.044 | -27.13 | 68.00 | 0.076 | -22.38 | | | |
| 2.50 | 0.730 | -2.73 | 19.50 | 0.089 | -21.01 | 44.00 | 0.054 | -25.35 | 68.50 | 0.077 | -22.27 | | | |
| 2.75 | 0.658 | -3.64 | 20.00 | 0.090 | -20.92 | 44.50 | 0.060 | -24.44 | 69.00 | 0.076 | -22.38 | | | |
| 3.00 | 0.583 | -4.69 | 20.50 | 0.082 | -21.72 | 45.00 | 0.062 | -24.15 | 69.50 | 0.075 | -22.50 | | | |
| 3.25 | 0.506 | -5.92 | 21.00 | 0.066 | -23.61 | 45.50 | 0.061 | -24.29 | 70.00 | 0.072 | -22.85 | | | |
| 3.50 | 0.429 | -7.35 | 21.50 | 0.045 | -26.94 | 46.00 | 0.055 | -25.19 | 70.50 | 0.069 | -23.22 | | | |
| 3.75 | 0.355 | -9.00 | 22.00 | 0.029 | -30.75 | 46.50 | 0.047 | -26.56 | 71.00 | 0.064 | -23.88 | | | |
| 4.00 | 0.286 | -10.87 | 22.50 | 0.033 | -29.63 | 47.00 | 0.036 | -28.87 | 71.50 | 0.059 | -24.58 | | | |
| 4.25 | 0.227 | -12.88 | 23.00 | 0.050 | -26.02 | 47.50 | 0.025 | -32.04 | 72.00 | 0.053 | -25.51 | | | |
| 4.50 | 0.185 | -14.66 | 23.50 | 0.066 | -23.61 | 48.00 | 0.017 | -35.39 | 72.50 | 0.046 | -26.74 | | | |
| 4.75 | 0.164 | -15.70 | 24.00 | 0.076 | -22.38 | 48.50 | 0.020 | -33.98 | 73.00 | 0.040 | -27.96 | | | |
| 5.00 | 0.167 | -15.55 | 24.50 | 0.078 | -22.16 | 49.00 | 0.031 | -30.17 | 73.50 | 0.033 | -29.63 | | | |
| 5.25 | 0.185 | -14.66 | 25.00 | 0.072 | -22.85 | 49.50 | 0.042 | -27.54 | 74.00 | 0.026 | -31.70 | | | |
| 5.50 | 0.208 | -13.64 | 25.50 | 0.059 | -24.58 | 50.00 | 0.051 | -25.85 | 74.50 | 0.019 | -34.42 | | | |
| 5.75 | 0.230 | -12.77 | 26.00 | 0.042 | -27.54 | 50.50 | 0.059 | -24.58 | 75.00 | 0.012 | -38.42 | | | |
| 6.00 | 0.247 | -12.15 | 26.50 | 0.027 | -31.37 | 51.00 | 0.063 | -24.01 | 75.50 | 0.006 | -44.44 | | | |
| 6.25 | 0.258 | -11.77 | 27.00 | 0.025 | -32.04 | 51.50 | 0.064 | -23.88 | 76.00 | 0.003 | -50.46 | | | |
| 6.50 | 0.262 | -11.63 | 27.50 | 0.039 | -28.18 | 52.00 | 0.062 | -24.15 | 76.50 | 0.007 | -43.10 | | | |
| 6.75 | 0.259 | -11.73 | 28.00 | 0.054 | -25.35 | 52.50 | 0.057 | -24.88 | 77.00 | 0.013 | -37.72 | | | |
| 7.00 | 0.249 | -12.08 | 28.50 | 0.065 | -23.74 | 53.00 | 0.049 | -26.20 | 77.50 | 0.017 | -35.39 | | | |