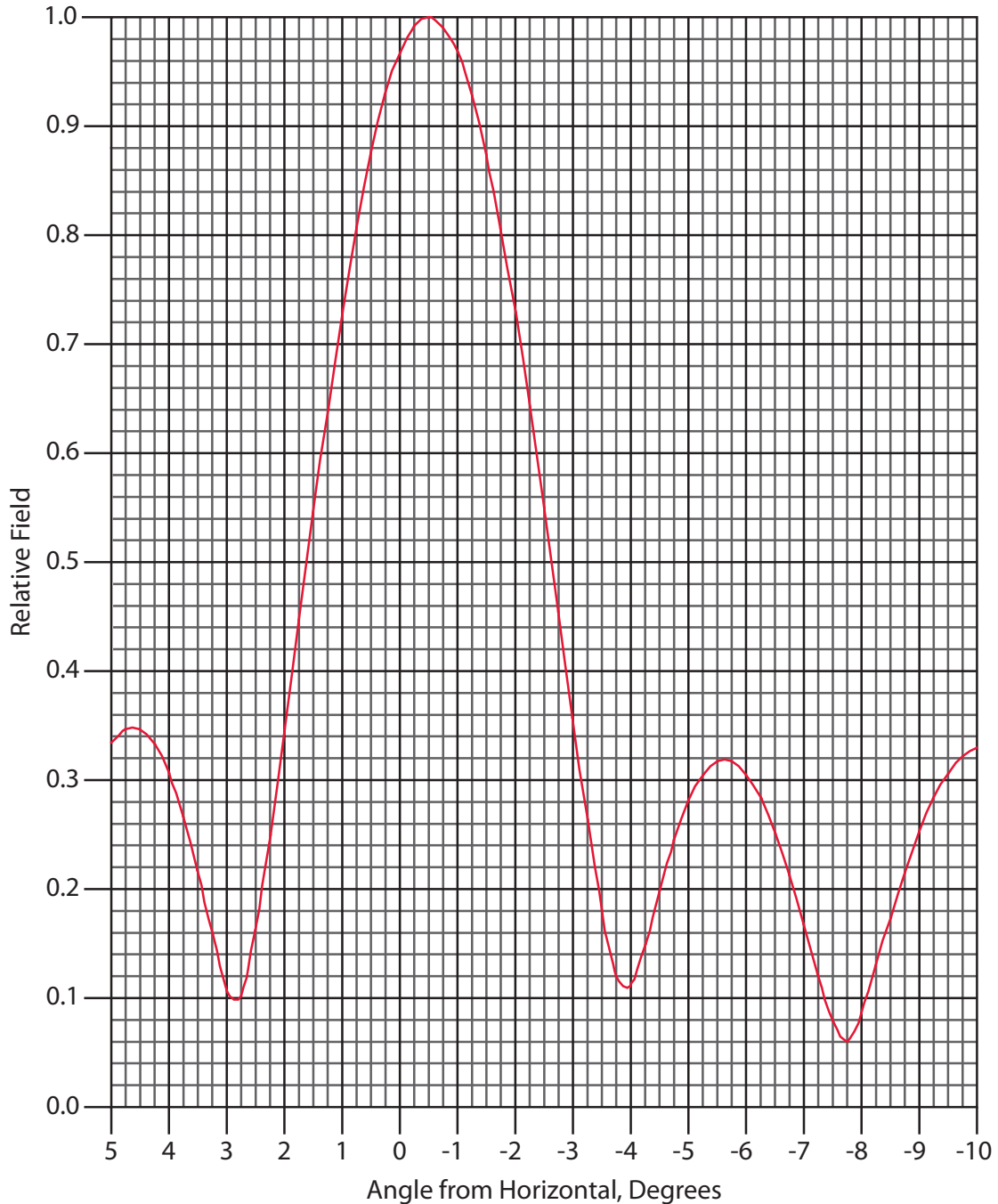


Elevation Pattern

| | | |
|---------------|-------------------------|------------|
| Type: | ALP12L2 | |
| Directivity | Numeric | <i>dBd</i> |
| Main Lobe: | 12.64 | (11.02) |
| Horizontal: | 11.84 | (10.73) |
| Beam Tilt | -0.50 ° | |
| Polarization: | Horizontal and Vertical | |
| Frequency: | | |
| Location: | | |



Tabulated Data for Elevation Pattern

Type: ALP12L2

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

| Angle | Field | dB |
|-------|-------|--------|
| 5.00 | 0.334 | -9.53 |
| 4.75 | 0.347 | -9.19 |
| 4.50 | 0.347 | -9.19 |
| 4.25 | 0.333 | -9.55 |
| 4.00 | 0.307 | -10.26 |
| 3.75 | 0.267 | -11.47 |
| 3.50 | 0.217 | -13.27 |
| 3.25 | 0.159 | -15.97 |
| 3.00 | 0.106 | -19.49 |
| 2.75 | 0.101 | -19.91 |
| 2.50 | 0.162 | -15.81 |
| 2.25 | 0.250 | -12.04 |
| 2.00 | 0.347 | -9.19 |
| 1.75 | 0.447 | -6.99 |
| 1.50 | 0.546 | -5.26 |
| 1.25 | 0.641 | -3.86 |
| 1.00 | 0.729 | -2.75 |
| 0.75 | 0.807 | -1.86 |
| 0.50 | 0.875 | -1.16 |
| 0.25 | 0.929 | -0.64 |
| 0.00 | 0.968 | -0.28 |
| -0.25 | 0.992 | -0.07 |
| -0.50 | 1.000 | 0.00 |
| -0.75 | 0.991 | -0.08 |
| -1.00 | 0.967 | -0.29 |
| -1.25 | 0.927 | -0.66 |
| -1.50 | 0.873 | -1.18 |
| -1.75 | 0.806 | -1.87 |
| -2.00 | 0.729 | -2.75 |
| -2.25 | 0.642 | -3.85 |
| -2.50 | 0.550 | -5.19 |
| -2.75 | 0.454 | -6.86 |
| -3.00 | 0.357 | -8.95 |
| -3.25 | 0.264 | -11.57 |
| -3.50 | 0.180 | -14.89 |
| -3.75 | 0.120 | -18.42 |
| -4.00 | 0.111 | -19.09 |
| -4.25 | 0.149 | -16.54 |
| -4.50 | 0.199 | -14.02 |
| -4.75 | 0.245 | -12.22 |
| -5.00 | 0.280 | -11.06 |
| -5.25 | 0.305 | -10.31 |
| -5.50 | 0.317 | -9.98 |
| -5.75 | 0.317 | -9.98 |
| -6.00 | 0.305 | -10.31 |

| Angle | Field | dB |
|--------|-------|--------|
| -6.25 | 0.283 | -10.96 |
| -6.50 | 0.251 | -12.01 |
| -6.75 | 0.212 | -13.47 |
| -7.00 | 0.168 | -15.49 |
| -7.25 | 0.121 | -18.34 |
| -7.50 | 0.078 | -22.16 |
| -7.75 | 0.060 | -24.44 |
| -8.00 | 0.086 | -21.31 |
| -8.25 | 0.129 | -17.79 |
| -8.50 | 0.174 | -15.19 |
| -8.75 | 0.216 | -13.31 |
| -9.00 | 0.253 | -11.94 |
| -9.25 | 0.283 | -10.96 |
| -9.50 | 0.306 | -10.29 |
| -9.75 | 0.322 | -9.84 |
| -10.00 | 0.329 | -9.66 |
| -10.50 | 0.323 | -9.82 |
| -11.00 | 0.292 | -10.69 |
| -11.50 | 0.242 | -12.32 |
| -12.00 | 0.184 | -14.70 |
| -12.50 | 0.124 | -18.13 |
| -13.00 | 0.072 | -22.85 |
| -13.50 | 0.033 | -29.63 |
| -14.00 | 0.009 | -40.92 |
| -14.50 | 0.000 | --- |
| -15.00 | 0.007 | -43.10 |
| -15.50 | 0.021 | -33.56 |
| -16.00 | 0.038 | -28.40 |
| -16.50 | 0.052 | -25.68 |
| -17.00 | 0.059 | -24.58 |
| -17.50 | 0.055 | -25.19 |
| -18.00 | 0.039 | -28.18 |
| -18.50 | 0.021 | -33.56 |
| -19.00 | 0.043 | -27.33 |
| -19.50 | 0.087 | -21.21 |
| -20.00 | 0.134 | -17.46 |
| -20.50 | 0.178 | -14.99 |
| -21.00 | 0.212 | -13.47 |
| -21.50 | 0.235 | -12.58 |
| -22.00 | 0.243 | -12.29 |
| -22.50 | 0.235 | -12.58 |
| -23.00 | 0.214 | -13.39 |
| -23.50 | 0.182 | -14.80 |
| -24.00 | 0.143 | -16.89 |
| -24.50 | 0.101 | -19.91 |

| Angle | Field | dB |
|--------|-------|--------|
| -25.00 | 0.061 | -24.29 |
| -25.50 | 0.029 | -30.75 |
| -26.00 | 0.020 | -33.98 |
| -26.50 | 0.032 | -29.90 |
| -27.00 | 0.039 | -28.18 |
| -27.50 | 0.039 | -28.18 |
| -28.00 | 0.033 | -29.63 |
| -28.50 | 0.023 | -32.77 |
| -29.00 | 0.012 | -38.42 |
| -29.50 | 0.004 | -47.96 |
| -30.00 | 0.000 | --- |
| -30.50 | 0.003 | -50.46 |
| -31.00 | 0.012 | -38.42 |
| -31.50 | 0.027 | -31.37 |
| -32.00 | 0.047 | -26.56 |
| -32.50 | 0.071 | -22.97 |
| -33.00 | 0.094 | -20.54 |
| -33.50 | 0.116 | -18.71 |
| -34.00 | 0.133 | -17.52 |
| -34.50 | 0.143 | -16.89 |
| -35.00 | 0.146 | -16.71 |
| -35.50 | 0.140 | -17.08 |
| -36.00 | 0.127 | -17.92 |
| -36.50 | 0.106 | -19.49 |
| -37.00 | 0.081 | -21.83 |
| -37.50 | 0.053 | -25.51 |
| -38.00 | 0.029 | -30.75 |
| -38.50 | 0.026 | -31.70 |
| -39.00 | 0.042 | -27.54 |
| -39.50 | 0.059 | -24.58 |
| -40.00 | 0.071 | -22.97 |
| -40.50 | 0.076 | -22.38 |
| -41.00 | 0.073 | -22.73 |
| -41.50 | 0.065 | -23.74 |
| -42.00 | 0.052 | -25.68 |
| -42.50 | 0.035 | -29.12 |
| -43.00 | 0.019 | -34.42 |
| -43.50 | 0.015 | -36.48 |
| -44.00 | 0.028 | -31.06 |
| -44.50 | 0.041 | -27.74 |
| -45.00 | 0.051 | -25.85 |
| -45.50 | 0.056 | -25.04 |
| -46.00 | 0.056 | -25.04 |
| -46.50 | 0.052 | -25.68 |
| -47.00 | 0.043 | -27.33 |

| Angle | Field | dB |
|--------|-------|--------|
| -47.50 | 0.031 | -30.17 |
| -48.00 | 0.017 | -35.39 |
| -48.50 | 0.003 | -50.46 |
| -49.00 | 0.012 | -38.42 |
| -49.50 | 0.025 | -32.04 |
| -50.00 | 0.035 | -29.12 |
| -50.50 | 0.041 | -27.74 |
| -51.00 | 0.044 | -27.13 |
| -51.50 | 0.043 | -27.33 |
| -52.00 | 0.038 | -28.40 |
| -52.50 | 0.030 | -30.46 |
| -53.00 | 0.021 | -33.56 |
| -53.50 | 0.017 | -35.39 |
| -54.00 | 0.024 | -32.40 |
| -54.50 | 0.038 | -28.40 |
| -55.00 | 0.052 | -25.68 |
| -55.50 | 0.065 | -23.74 |
| -56.00 | 0.076 | -22.38 |
| -56.50 | 0.084 | -21.51 |
| -57.00 | 0.088 | -21.11 |
| -57.50 | 0.088 | -21.11 |
| -58.00 | 0.084 | -21.51 |
| -58.50 | 0.075 | -22.50 |
| -59.00 | 0.063 | -24.01 |
| -59.50 | 0.048 | -26.38 |
| -60.00 | 0.033 | -29.63 |
| -60.50 | 0.026 | -31.70 |
| -61.00 | 0.038 | -28.40 |
| -61.50 | 0.060 | -24.44 |
| -62.00 | 0.085 | -21.41 |
| -62.50 | 0.111 | -19.09 |
| -63.00 | 0.137 | -17.27 |
| -63.50 | 0.161 | -15.86 |
| -64.00 | 0.184 | -14.70 |
| -64.50 | 0.205 | -13.76 |
| -65.00 | 0.223 | -13.03 |
| -65.50 | 0.238 | -12.47 |
| -66.00 | 0.250 | -12.04 |
| -66.50 | 0.258 | -11.77 |
| -67.00 | 0.264 | -11.57 |
| -67.50 | 0.267 | -11.47 |
| -68.00 | 0.266 | -11.50 |
| -68.50 | 0.263 | -11.60 |
| -69.00 | 0.258 | -11.77 |
| -69.50 | 0.250 | -12.04 |

| Angle | Field | dB |
|--------|-------|--------|
| -70.00 | 0.241 | -12.36 |
| -70.50 | 0.230 | -12.77 |
| -71.00 | 0.218 | -13.23 |
| -71.50 | 0.204 | -13.81 |
| -72.00 | 0.190 | -14.42 |
| -72.50 | 0.176 | -15.09 |
| -73.00 | 0.161 | -15.86 |
| -73.50 | 0.146 | -16.71 |
| -74.00 | 0.132 | -17.59 |
| -74.50 | 0.118 | -18.56 |
| -75.00 | 0.105 | -19.58 |
| -75.50 | 0.092 | -20.72 |
| -76.00 | 0.080 | -21.94 |
| -76.50 | 0.069 | -23.22 |
| -77.00 | 0.058 | -24.73 |
| -77.50 | 0.049 | -26.20 |
| -78.00 | 0.041 | -27.74 |
| -78.50 | 0.034 | -29.37 |
| -79.00 | 0.027 | -31.37 |
| -79.50 | 0.022 | -33.15 |
| -80.00 | 0.019 | -34.42 |
| -80.50 | 0.016 | -35.92 |
| -81.00 | 0.015 | -36.48 |
| -81.50 | 0.014 | -37.08 |
| -82.00 | 0.014 | -37.08 |
| -82.50 | 0.015 | -36.48 |
| -83.00 | 0.015 | -36.48 |
| -83.50 | 0.015 | -36.48 |
| -84.00 | 0.015 | -36.48 |
| -84.50 | 0.015 | -36.48 |
| -85.00 | 0.014 | -37.08 |
| -85.50 | 0.013 | -37.72 |
| -86.00 | 0.012 | -38.42 |
| -86.50 | 0.011 | -39.17 |
| -87.00 | 0.010 | -40.00 |
| -87.50 | 0.008 | -41.94 |
| -88.00 | 0.007 | -43.10 |
| -88.50 | 0.005 | -46.02 |
| -89.00 | 0.004 | -47.96 |
| -89.50 | 0.002 | -53.98 |
| -90.00 | 0.000 | --- |

