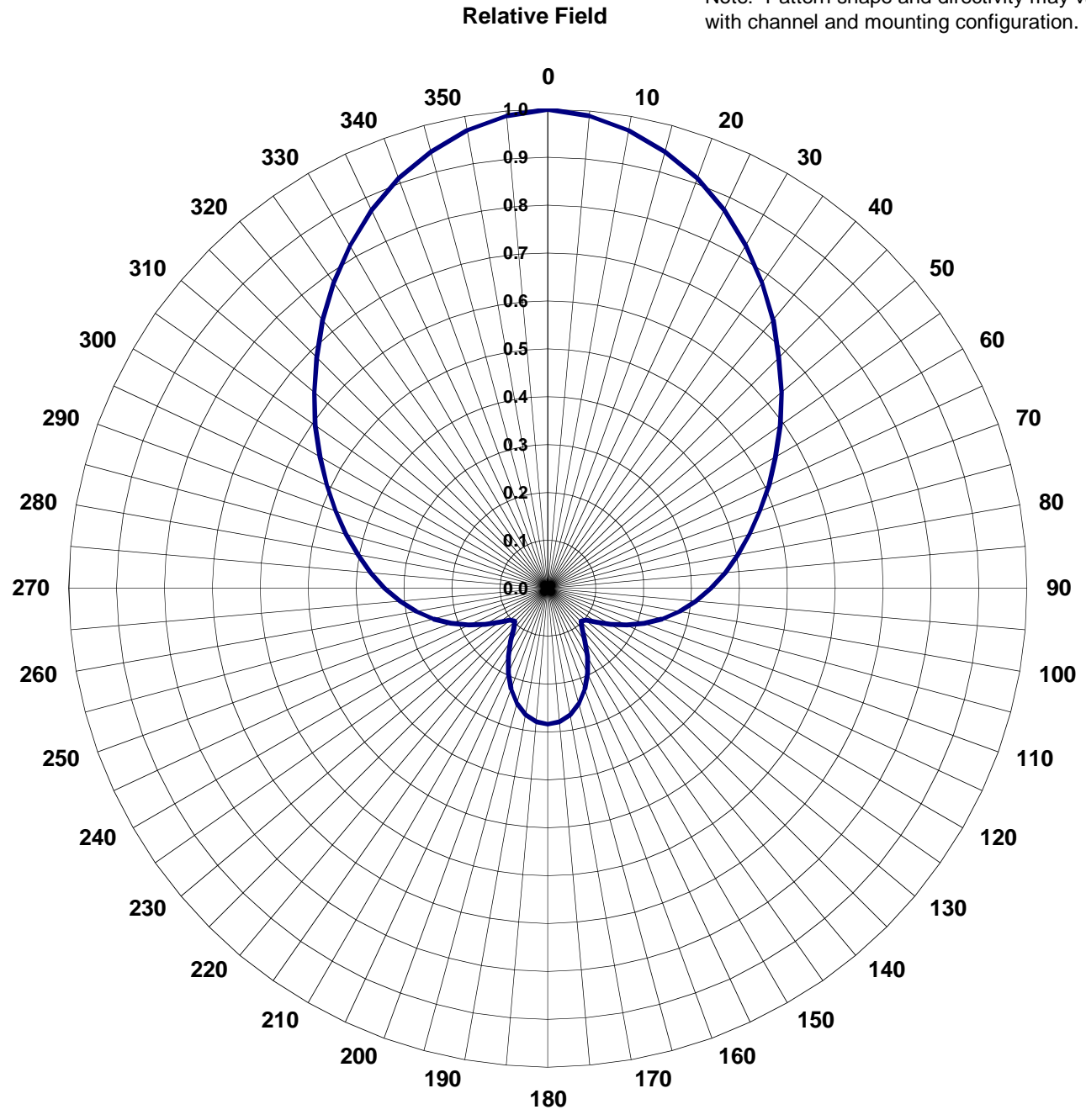


**AZIMUTH PATTERN**

|                      |                   |               |
|----------------------|-------------------|---------------|
| <b>TYPE:</b>         | <b>AL-N-H</b>     |               |
|                      | <b>Numeric</b>    | <b>dB</b>     |
| <b>Directivity:</b>  | <b>3.54</b>       | <b>(5.49)</b> |
| <b>Peak(s) at:</b>   |                   |               |
| <b>Polarization:</b> | <b>Horizontal</b> |               |
| <b>Channel:</b>      |                   |               |
| <b>Location:</b>     |                   |               |

Note: Pattern shape and directivity may vary with channel and mounting configuration.



**TABULATED DATA FOR AZIMUTH PATTERN**

**TYPE: AL-N-H**

**POLARIZATION: Horizontal**

| ANGLE | FIELD | dB     | ANGLE | FIELD | dB     | ANGLE | FIELD | dB     | ANGLE | FIELD | dB    |
|-------|-------|--------|-------|-------|--------|-------|-------|--------|-------|-------|-------|
| 0     | 1.000 | 0.00   | 92    | 0.328 | -10.29 | 184   | 0.281 | -12.92 | 276   | 0.378 | -9.22 |
| 2     | 0.996 | -0.03  | 94    | 0.314 | -10.54 | 186   | 0.278 | -13.15 | 278   | 0.390 | -8.95 |
| 4     | 0.993 | -0.06  | 96    | 0.303 | -10.84 | 188   | 0.273 | -13.47 | 280   | 0.403 | -8.68 |
| 6     | 0.987 | -0.10  | 98    | 0.290 | -11.09 | 190   | 0.268 | -13.89 | 282   | 0.417 | -8.40 |
| 8     | 0.978 | -0.17  | 100   | 0.279 | -11.40 | 192   | 0.262 | -14.33 | 284   | 0.429 | -8.11 |
| 10    | 0.971 | -0.25  | 102   | 0.267 | -11.70 | 194   | 0.253 | -14.85 | 286   | 0.443 | -7.83 |
| 12    | 0.962 | -0.34  | 104   | 0.254 | -12.04 | 196   | 0.245 | -15.44 | 288   | 0.458 | -7.51 |
| 14    | 0.950 | -0.45  | 106   | 0.241 | -12.36 | 198   | 0.235 | -15.97 | 290   | 0.471 | -7.23 |
| 16    | 0.937 | -0.57  | 108   | 0.229 | -12.73 | 200   | 0.224 | -16.65 | 292   | 0.486 | -6.94 |
| 18    | 0.925 | -0.71  | 110   | 0.215 | -13.11 | 202   | 0.213 | -17.27 | 294   | 0.501 | -6.63 |
| 20    | 0.911 | -0.86  | 112   | 0.203 | -13.51 | 204   | 0.203 | -17.92 | 296   | 0.516 | -6.32 |
| 22    | 0.895 | -1.02  | 114   | 0.189 | -13.98 | 206   | 0.190 | -18.56 | 298   | 0.532 | -6.04 |
| 24    | 0.878 | -1.19  | 116   | 0.176 | -14.47 | 208   | 0.178 | -19.17 | 300   | 0.549 | -5.73 |
| 26    | 0.861 | -1.38  | 118   | 0.163 | -14.94 | 210   | 0.165 | -19.66 | 302   | 0.565 | -5.43 |
| 28    | 0.845 | -1.58  | 120   | 0.151 | -15.49 | 212   | 0.153 | -20.09 | 304   | 0.583 | -5.15 |
| 30    | 0.827 | -1.78  | 122   | 0.140 | -16.03 | 214   | 0.141 | -20.45 | 306   | 0.600 | -4.87 |
| 32    | 0.808 | -1.99  | 124   | 0.129 | -16.59 | 216   | 0.130 | -20.63 | 308   | 0.618 | -4.57 |
| 34    | 0.789 | -2.21  | 126   | 0.119 | -17.20 | 218   | 0.119 | -20.63 | 310   | 0.636 | -4.28 |
| 36    | 0.771 | -2.45  | 128   | 0.110 | -17.79 | 220   | 0.111 | -20.54 | 312   | 0.654 | -4.00 |
| 38    | 0.750 | -2.69  | 130   | 0.104 | -18.42 | 222   | 0.104 | -20.35 | 314   | 0.673 | -3.73 |
| 40    | 0.731 | -2.94  | 132   | 0.099 | -18.94 | 224   | 0.099 | -19.91 | 316   | 0.693 | -3.47 |
| 42    | 0.711 | -3.20  | 134   | 0.098 | -19.49 | 226   | 0.098 | -19.49 | 318   | 0.711 | -3.20 |
| 44    | 0.693 | -3.47  | 136   | 0.099 | -19.91 | 228   | 0.099 | -18.94 | 320   | 0.731 | -2.94 |
| 46    | 0.673 | -3.73  | 138   | 0.104 | -20.35 | 230   | 0.104 | -18.42 | 322   | 0.750 | -2.69 |
| 48    | 0.654 | -4.00  | 140   | 0.111 | -20.54 | 232   | 0.110 | -17.79 | 324   | 0.771 | -2.45 |
| 50    | 0.636 | -4.28  | 142   | 0.119 | -20.63 | 234   | 0.119 | -17.20 | 326   | 0.789 | -2.21 |
| 52    | 0.618 | -4.57  | 144   | 0.130 | -20.63 | 236   | 0.129 | -16.59 | 328   | 0.808 | -1.99 |
| 54    | 0.600 | -4.87  | 146   | 0.141 | -20.45 | 238   | 0.140 | -16.03 | 330   | 0.827 | -1.78 |
| 56    | 0.583 | -5.15  | 148   | 0.153 | -20.09 | 240   | 0.151 | -15.49 | 332   | 0.845 | -1.58 |
| 58    | 0.565 | -5.43  | 150   | 0.165 | -19.66 | 242   | 0.163 | -14.94 | 334   | 0.861 | -1.38 |
| 60    | 0.549 | -5.73  | 152   | 0.178 | -19.17 | 244   | 0.176 | -14.47 | 336   | 0.878 | -1.19 |
| 62    | 0.532 | -6.04  | 154   | 0.190 | -18.56 | 246   | 0.189 | -13.98 | 338   | 0.895 | -1.02 |
| 64    | 0.516 | -6.32  | 156   | 0.203 | -17.92 | 248   | 0.203 | -13.51 | 340   | 0.911 | -0.86 |
| 66    | 0.501 | -6.63  | 158   | 0.213 | -17.27 | 250   | 0.215 | -13.11 | 342   | 0.925 | -0.71 |
| 68    | 0.486 | -6.94  | 160   | 0.224 | -16.65 | 252   | 0.229 | -12.73 | 344   | 0.937 | -0.57 |
| 70    | 0.471 | -7.23  | 162   | 0.235 | -15.97 | 254   | 0.241 | -12.36 | 346   | 0.950 | -0.45 |
| 72    | 0.458 | -7.51  | 164   | 0.245 | -15.44 | 256   | 0.254 | -12.04 | 348   | 0.962 | -0.34 |
| 74    | 0.443 | -7.83  | 166   | 0.253 | -14.85 | 258   | 0.267 | -11.70 | 350   | 0.971 | -0.25 |
| 76    | 0.429 | -8.11  | 168   | 0.262 | -14.33 | 260   | 0.279 | -11.40 | 352   | 0.978 | -0.17 |
| 78    | 0.417 | -8.40  | 170   | 0.268 | -13.89 | 262   | 0.290 | -11.09 | 354   | 0.987 | -0.10 |
| 80    | 0.403 | -8.68  | 172   | 0.273 | -13.47 | 264   | 0.303 | -10.84 | 356   | 0.993 | -0.06 |
| 82    | 0.390 | -8.95  | 174   | 0.278 | -13.15 | 266   | 0.314 | -10.54 | 358   | 0.996 | -0.03 |
| 84    | 0.378 | -9.22  | 176   | 0.281 | -12.92 | 268   | 0.328 | -10.29 | 360   | 1.000 | 0.00  |
| 86    | 0.366 | -9.50  | 178   | 0.283 | -12.69 | 270   | 0.340 | -10.01 |       |       |       |
| 88    | 0.353 | -9.76  | 180   | 0.284 | -12.54 | 272   | 0.353 | -9.76  |       |       |       |
| 90    | 0.340 | -10.01 | 182   | 0.283 | -12.69 | 274   | 0.366 | -9.50  |       |       |       |

