

RADIATION PATTERN ENVELOPE

Antenna Type Number: VHLPX6-15
6.00 Foot Antenna 14.400-15.350 GHz Dual Polarized
Gain: 46.70 dBi at 14.875 GHz
— Envelope for a Horizontally Polarized Antenna (HH, HV)
— Envelope for a Vertically Polarized Antenna (VV, VH)

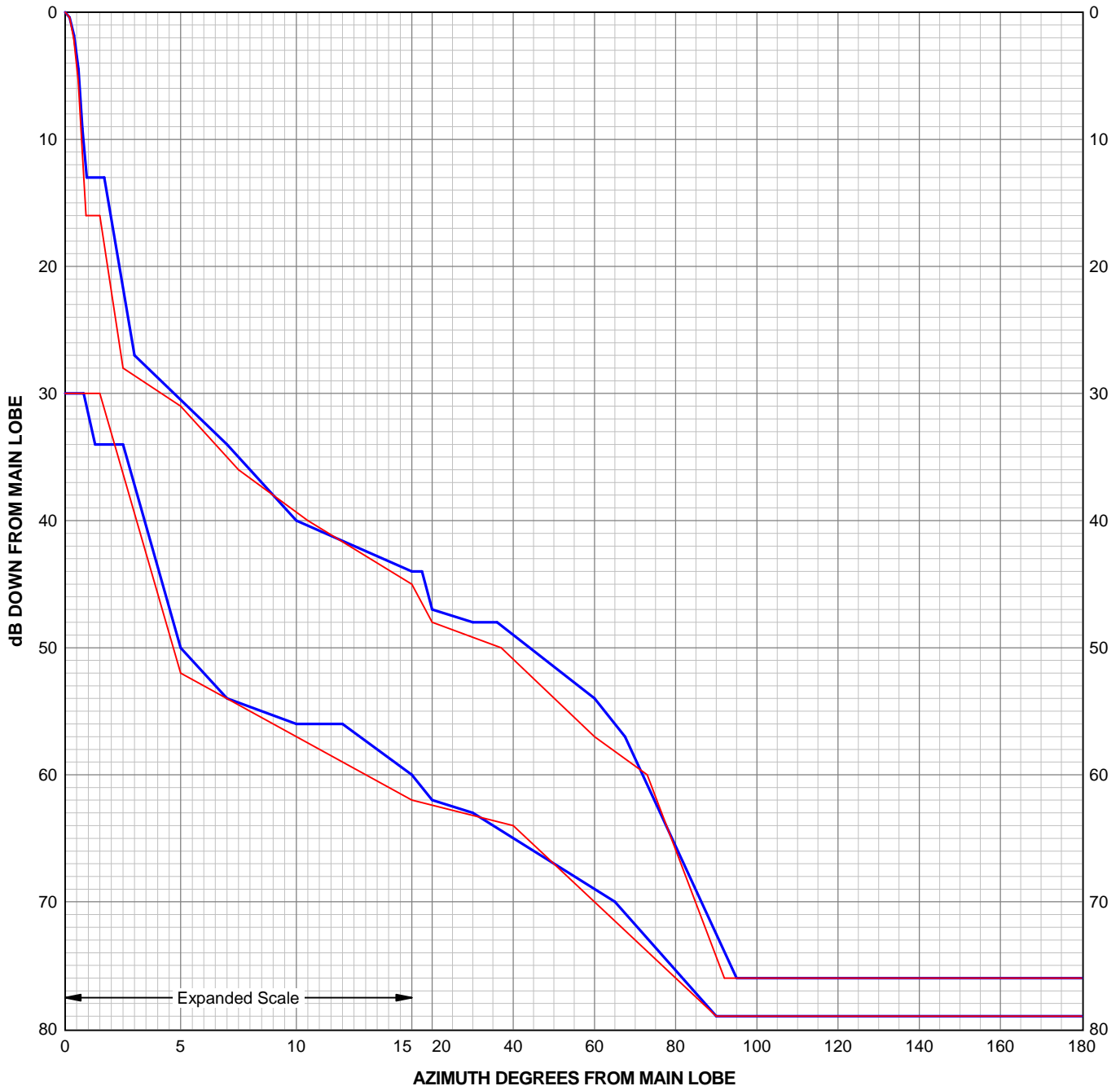
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".



RPE 7058B

Engineering Approved:
10 June 2016

ANDREW CORPORATION



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 6.00 Foot Antenna 14.400-15.350 GHz Dual Polarized
 Gain: 46.70 dBi at 14.875 GHz
 RPE: 7058B
 Engineering Approved: 10 June 2016



| Angle | H/H dB | Angle | H/V dB | Angle | V/V dB | Angle | V/H dB |
|--------|-----------|--------|-----------|--------|-----------|--------|-----------|
| 0.00 | 0.00 | 0.00 | -30.00 | 0.00 | 0.00 | 0.00 | -30.00 |
| 0.19 | -0.41 | 0.80 | -30.00 | 0.19 | -0.41 | 1.50 | -30.00 |
| 0.38 | -1.83 | 1.30 | -34.00 | 0.37 | -2.10 | 5.00 | -52.00 |
| 0.57 | -4.47 | 2.50 | -34.00 | 0.56 | -5.35 | 15.00 | -62.00 |
| 0.75 | -9.14 | 5.00 | -50.00 | 0.75 | -11.10 | 40.00 | -64.00 |
| 0.94 | -13.00 | 7.00 | -54.00 | 0.90 | -16.00 | 90.00 | -79.00 |
| 1.69 | -13.00 | 10.00 | -56.00 | 1.50 | -16.00 | 180.00 | -79.00 |
| 3.00 | -27.00 | 12.00 | -56.00 | 2.50 | -28.00 | | |
| 7.00 | -34.00 | 15.00 | -60.00 | 5.00 | -31.00 | | |
| 10.00 | -40.00 | 20.00 | -62.00 | 7.50 | -36.00 | | |
| 15.00 | -44.00 | 30.00 | -63.00 | 10.50 | -40.00 | | |
| 17.50 | -44.00 | 65.00 | -70.00 | 15.00 | -45.00 | | |
| 20.00 | -47.00 | 90.00 | -79.00 | 20.00 | -48.00 | | |
| 30.00 | -48.00 | 180.00 | -79.00 | 37.00 | -50.00 | | |
| 36.00 | -48.00 | | | 60.00 | -57.00 | | |
| 60.00 | -54.00 | | | 73.00 | -60.00 | | |
| 67.50 | -57.00 | | | 92.00 | -76.00 | | |
| 95.00 | -76.00 | | | 180.00 | -76.00 | | |
| 180.00 | -76.00 | | | | | | |

The RPE is defined by connecting these points with straight lines.
 PARALLEL POLARIZATION
 HH - Horizontal port response to a horizontal signal
 VV - Vertical port response to a vertical signal
 CROSS POLARIZATION
 HV - Horizontal port response to a vertical signal
 VH - Vertical port response to a horizontal signal