

RADIATION PATTERN ENVELOPE

Antenna Type Number: VHLP1-32
1.00 Foot Antenna 31.000-33.400 GHz Single Polarized
Gain: 38.90 dBi at 32.200 GHz
— Envelope for a Horizontally Polarized Antenna (HH, HV)
— Envelope for a Vertically Polarized Antenna (VV, VH)

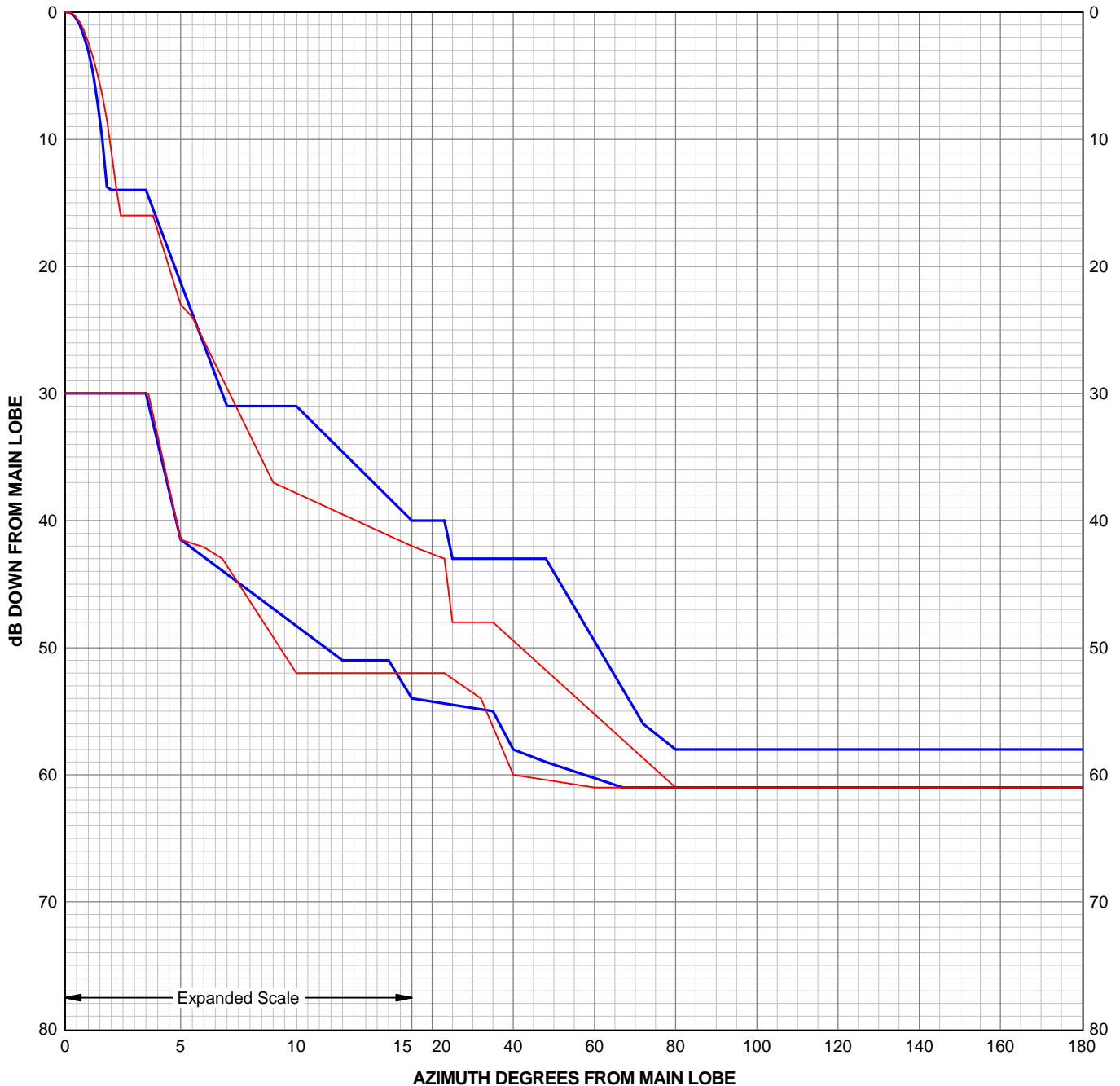
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".



RPE 7026B

Engineering Approved:
26 May 2016

ANDREW CORPORATION



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| 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 |
| 0.20 | -0.01 | 3.50 | -30.00 | 0.20 | 0.00 | 3.60 | -30.00 |
| 0.40 | -0.29 | 5.00 | -41.50 | 0.40 | -0.25 | 5.00 | -41.50 |
| 0.60 | -0.85 | 12.00 | -51.00 | 0.60 | -0.68 | 6.00 | -42.10 |
| 0.80 | -1.84 | 14.00 | -51.00 | 0.80 | -1.37 | 6.80 | -43.00 |
| 1.00 | -3.06 | 15.00 | -54.00 | 1.00 | -2.41 | 10.00 | -52.00 |
| 1.20 | -4.67 | 35.00 | -55.00 | 1.20 | -3.51 | 23.00 | -52.00 |
| 1.40 | -7.08 | 40.00 | -58.00 | 1.40 | -4.88 | 32.00 | -54.00 |
| 1.60 | -9.91 | 48.00 | -59.00 | 1.60 | -6.48 | 40.00 | -60.00 |
| 1.80 | -13.75 | 67.00 | -61.00 | 1.80 | -8.45 | 60.00 | -61.00 |
| 2.00 | -14.00 | 180.00 | -61.00 | 2.00 | -10.95 | 180.00 | -61.00 |
| 3.50 | -14.00 | | | 2.20 | -13.70 | | |
| 7.00 | -31.00 | | | 2.40 | -16.00 | | |
| 10.00 | -31.00 | | | 3.80 | -16.00 | | |
| 15.00 | -40.00 | | | 5.00 | -23.00 | | |
| 23.00 | -40.00 | | | 5.50 | -24.00 | | |
| 25.00 | -43.00 | | | 9.00 | -37.00 | | |
| 48.00 | -43.00 | | | 15.00 | -42.00 | | |
| 72.00 | -56.00 | | | 23.00 | -43.00 | | |
| 80.00 | -58.00 | | | 25.00 | -48.00 | | |
| 180.00 | -58.00 | | | 35.00 | -48.00 | | |
| | | | | 80.00 | -61.00 | | |
| | | | | 180.00 | -61.00 | | |

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