

RADIATION PATTERN ENVELOPE

Antenna Type Number: VHLP6-13
6.00 Foot Antenna 12.700-13.250 GHz Single Polarized
Gain: 45.30 dBi at 12.975 GHz
— Envelope for a Horizontally Polarized Antenna (HH, HV)
— Envelope for a Vertically Polarized Antenna (VV, VH)

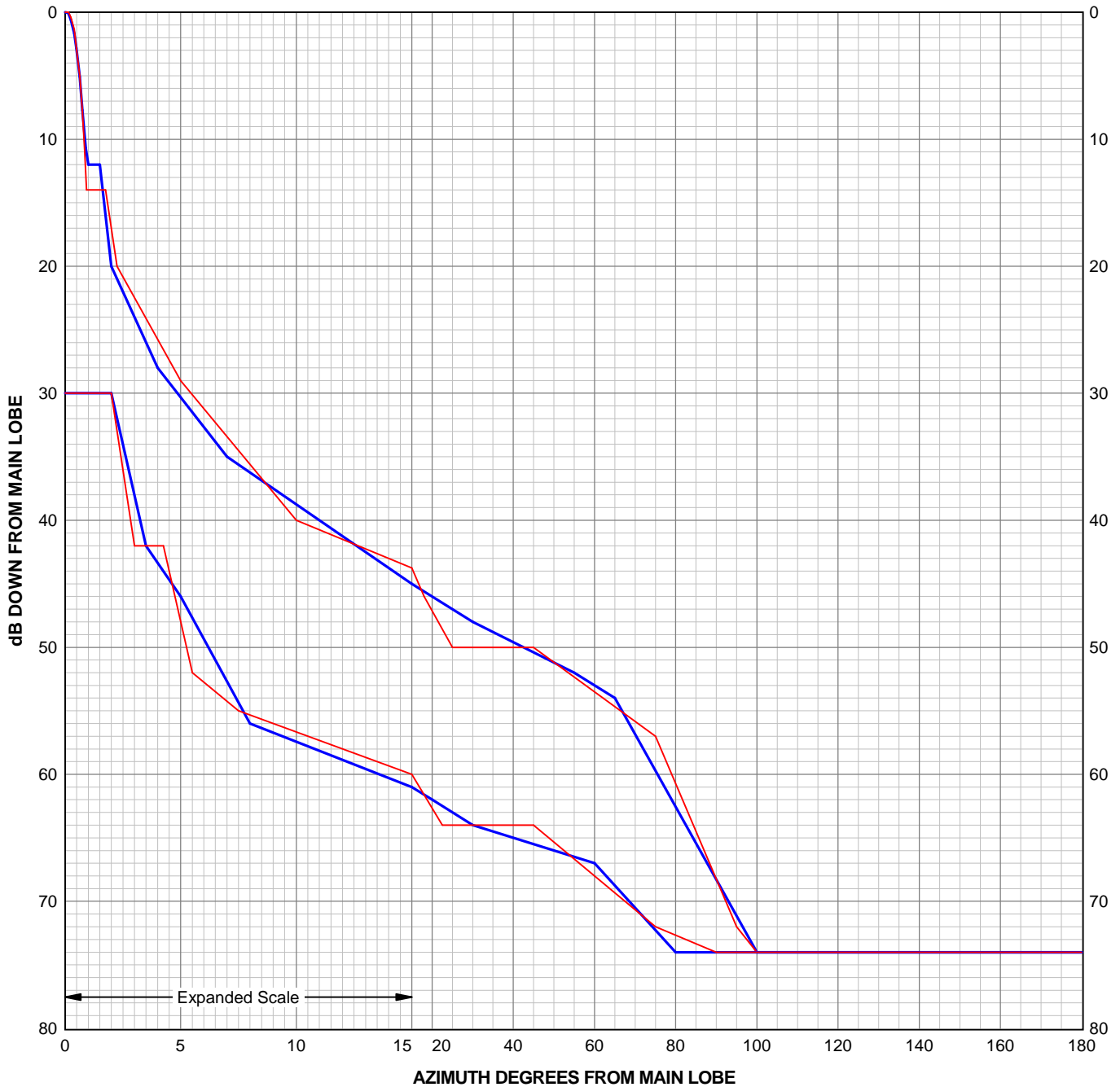
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".



RPE 7051B

Engineering Approved:
10 June 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 |
| 0.13 | -0.07 | 2.00 | -30.00 | 0.15 | 0.00 | 2.00 | -30.00 |
| 0.25 | -0.61 | 3.50 | -42.00 | 0.25 | -0.41 | 3.00 | -42.00 |
| 0.39 | -1.69 | 5.00 | -46.00 | 0.39 | -1.35 | 4.25 | -42.00 |
| 0.49 | -2.84 | 8.00 | -56.00 | 0.49 | -2.84 | 5.50 | -52.00 |
| 0.63 | -5.08 | 15.00 | -61.00 | 0.63 | -5.00 | 7.50 | -55.00 |
| 0.75 | -7.72 | 20.00 | -62.00 | 0.75 | -7.75 | 15.00 | -60.00 |
| 0.89 | -10.70 | 30.00 | -64.00 | 0.85 | -11.00 | 22.50 | -64.00 |
| 1.00 | -12.00 | 60.00 | -67.00 | 0.93 | -14.00 | 45.00 | -64.00 |
| 1.50 | -12.00 | 80.00 | -74.00 | 1.75 | -14.00 | 60.00 | -68.00 |
| 2.00 | -20.00 | 180.00 | -74.00 | 2.25 | -20.00 | 75.00 | -72.00 |
| 4.00 | -28.00 | | | 5.00 | -29.00 | 90.00 | -74.00 |
| 7.00 | -35.00 | | | 10.00 | -40.00 | 180.00 | -74.00 |
| 15.00 | -45.00 | | | 18.00 | -46.00 | | |
| 30.00 | -48.00 | | | 25.00 | -50.00 | | |
| 55.00 | -52.00 | | | 45.00 | -50.00 | | |
| 65.00 | -54.00 | | | 75.00 | -57.00 | | |
| 100.00 | -74.00 | | | 95.00 | -72.00 | | |
| 180.00 | -74.00 | | | 100.00 | -74.00 | | |
| | | | | 180.00 | -74.00 | | |

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