

RADIATION PATTERN ENVELOPE

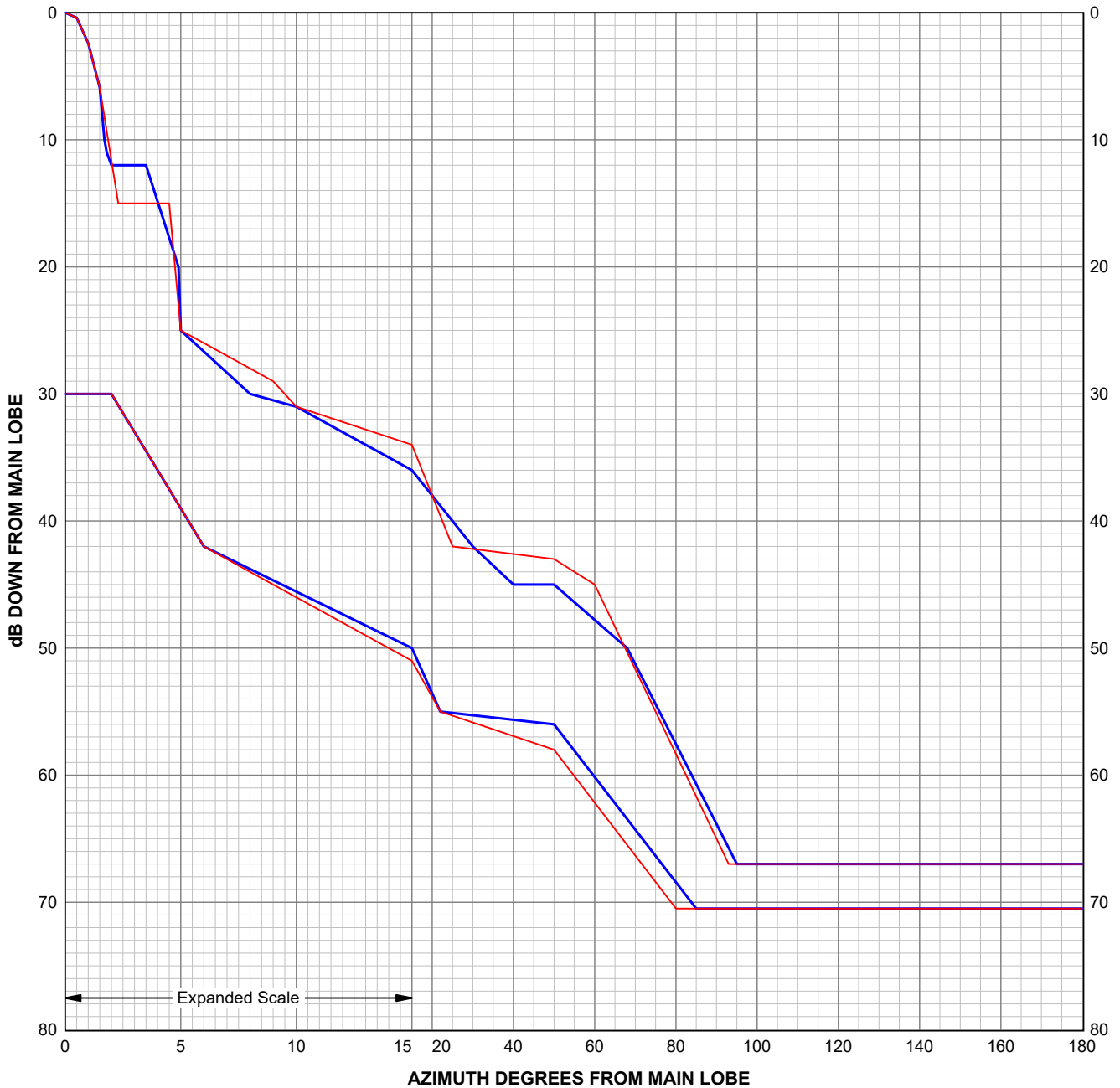
Antenna Type Number: VHLPX2-18/D
2.00 Foot Antenna 17.700-19.700 GHz Dual Polarized
Gain: 39.00 dBi at 18.700 GHz
— Envelope for a Horizontally Polarized Antenna (HH, HV)
— Envelope for a Vertically Polarized Antenna (VV, VH)
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".



RPE 7216D

Engineering Approved:
19 May 2021

ANDREW CORPORATION



Antenna Type Number: VHLPX2-18/D
 2.00 Foot Antenna 17.700-19.700 GHz Dual Polarized
 Gain: 39.00 dBi at 18.700 GHz
 RPE: 7216D
 Engineering Approved: 19 May 2021



| 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 |
| 0.50 | -0.40 | 2.00 | -30.00 | 0.50 | -0.40 | 2.00 | -30.00 |
| 1.00 | -2.40 | 6.00 | -42.00 | 1.00 | -2.40 | 6.00 | -42.00 |
| 1.50 | -5.90 | 15.00 | -50.00 | 1.50 | -5.90 | 15.00 | -51.00 |
| 1.70 | -10.00 | 22.00 | -55.00 | 2.30 | -15.00 | 22.00 | -55.00 |
| 1.80 | -11.00 | 50.00 | -56.00 | 4.50 | -15.00 | 50.00 | -58.00 |
| 2.00 | -12.00 | 85.00 | -70.50 | 5.00 | -25.00 | 80.00 | -70.50 |
| 3.50 | -12.00 | 180.00 | -70.50 | 8.00 | -28.00 | 180.00 | -70.50 |
| 4.90 | -20.00 | | | 9.00 | -29.00 | | |
| 5.00 | -25.00 | | | 10.00 | -31.00 | | |
| 8.00 | -30.00 | | | 15.00 | -34.00 | | |
| 10.00 | -31.00 | | | 25.00 | -42.00 | | |
| 15.00 | -36.00 | | | 50.00 | -43.00 | | |
| 30.00 | -42.00 | | | 60.00 | -45.00 | | |
| 40.00 | -45.00 | | | 93.00 | -67.00 | | |
| 50.00 | -45.00 | | | 180.00 | -67.00 | | |
| 68.00 | -50.00 | | | | | | |
| 95.00 | -67.00 | | | | | | |
| 180.00 | -67.00 | | | | | | |

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

ANDREW CORPORATION
 10500 W. 153rd Street
 Orland Park, IL. U.S.A 60462

Corporate Web Site: <http://www.andrew.com>
 Customer Service Center: 1-800-255-1479