

RADIATION PATTERN ENVELOPE

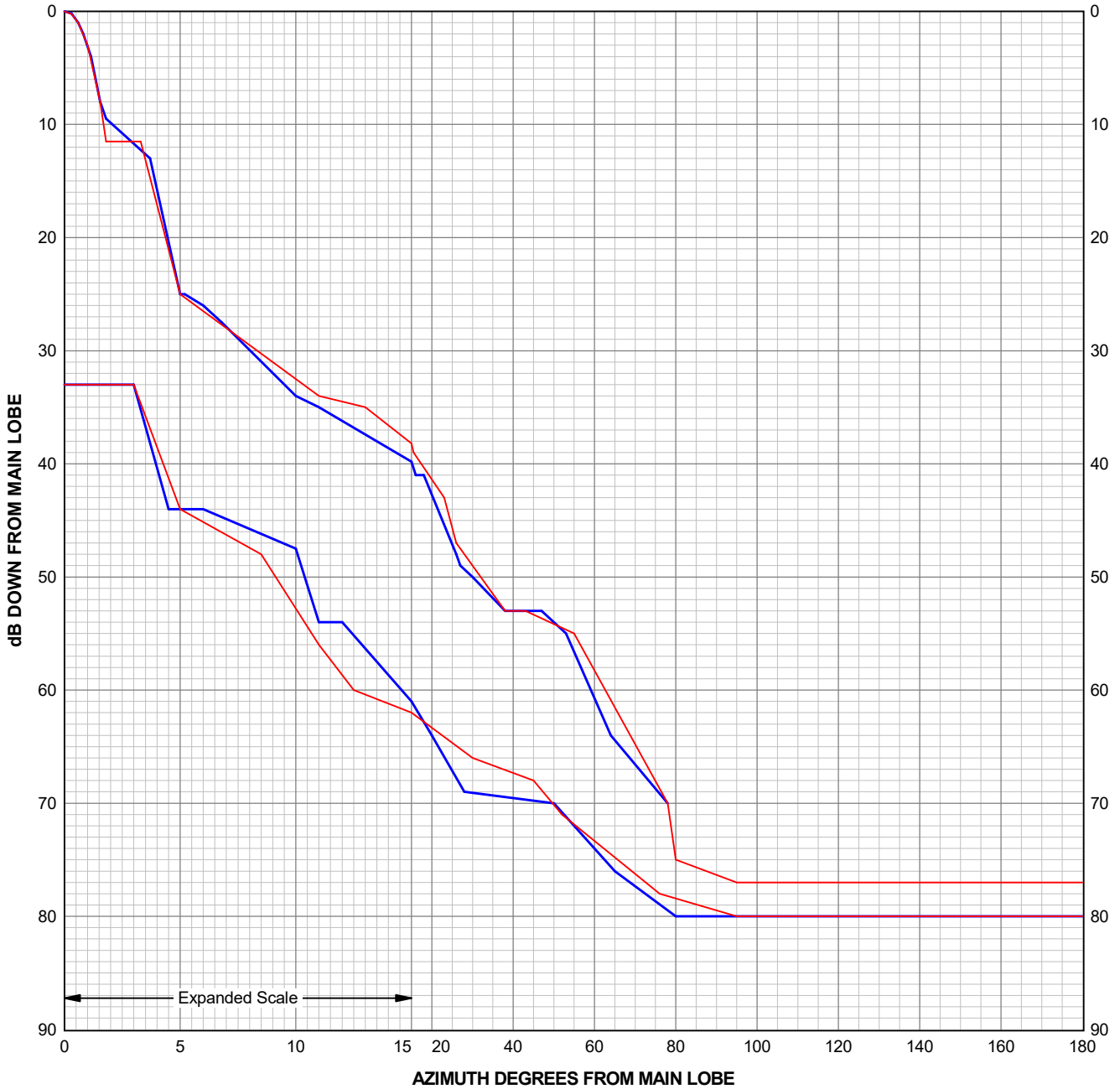
Antenna Type Number: USX6-611
6.00 Foot Antenna 5.925-7.125 GHz Dual Polarized
Gain: 39.30 dBi at 6.525 GHz
— Envelope for a Horizontally Polarized Antenna (HH, HV)
— Envelope for a Vertically Polarized Antenna (VV, VH)
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".



RPE 7455

Engineering Approved:
22 October 2025

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 | -33.00 | 0.00 | 0.00 | 0.00 | -33.00 |
| 0.30 | -0.20 | 3.00 | -33.00 | 0.30 | -0.25 | 3.00 | -33.00 |
| 0.60 | -1.00 | 4.50 | -44.00 | 0.60 | -1.00 | 5.00 | -44.00 |
| 0.82 | -2.00 | 6.00 | -44.00 | 1.00 | -3.00 | 8.50 | -48.00 |
| 1.15 | -4.00 | 10.00 | -47.50 | 1.55 | -8.00 | 11.00 | -56.00 |
| 1.55 | -8.00 | 11.00 | -54.00 | 1.80 | -11.50 | 12.50 | -60.00 |
| 1.80 | -9.50 | 12.00 | -54.00 | 3.30 | -11.50 | 15.00 | -62.00 |
| 3.70 | -13.00 | 15.00 | -61.00 | 5.00 | -25.00 | 30.00 | -66.00 |
| 5.00 | -25.00 | 20.00 | -64.00 | 11.00 | -34.00 | 45.00 | -68.00 |
| 5.20 | -25.00 | 28.00 | -69.00 | 13.00 | -35.00 | 52.00 | -71.00 |
| 6.00 | -26.00 | 50.00 | -70.00 | 15.50 | -39.00 | 76.00 | -78.00 |
| 6.80 | -27.50 | 65.00 | -76.00 | 23.00 | -43.00 | 95.00 | -80.00 |
| 10.00 | -34.00 | 80.00 | -80.00 | 26.00 | -47.00 | 180.00 | -80.00 |
| 11.00 | -35.00 | 180.00 | -80.00 | 38.00 | -53.00 | | |
| 16.00 | -41.00 | | | 43.00 | -53.00 | | |
| 18.00 | -41.00 | | | 55.00 | -55.00 | | |
| 26.00 | -48.00 | | | 78.00 | -70.00 | | |
| 27.00 | -49.00 | | | 80.00 | -75.00 | | |
| 30.00 | -50.00 | | | 95.00 | -77.00 | | |
| 38.00 | -53.00 | | | 180.00 | -77.00 | | |
| 47.00 | -53.00 | | | | | | |
| 53.00 | -55.00 | | | | | | |
| 64.00 | -64.00 | | | | | | |
| 78.00 | -70.00 | | | | | | |

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

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