

RADIATION PATTERN ENVELOPE

Antenna Type Number: VHLPX3-38
3.00 Foot Antenna 37.000-40.000 GHz Dual Polarized
Gain: 49.40 dBi at 38.500 GHz

- Envelope for a Horizontally Polarized Antenna (HH, HV)
- Envelope for a Vertically Polarized Antenna (VV, VH)

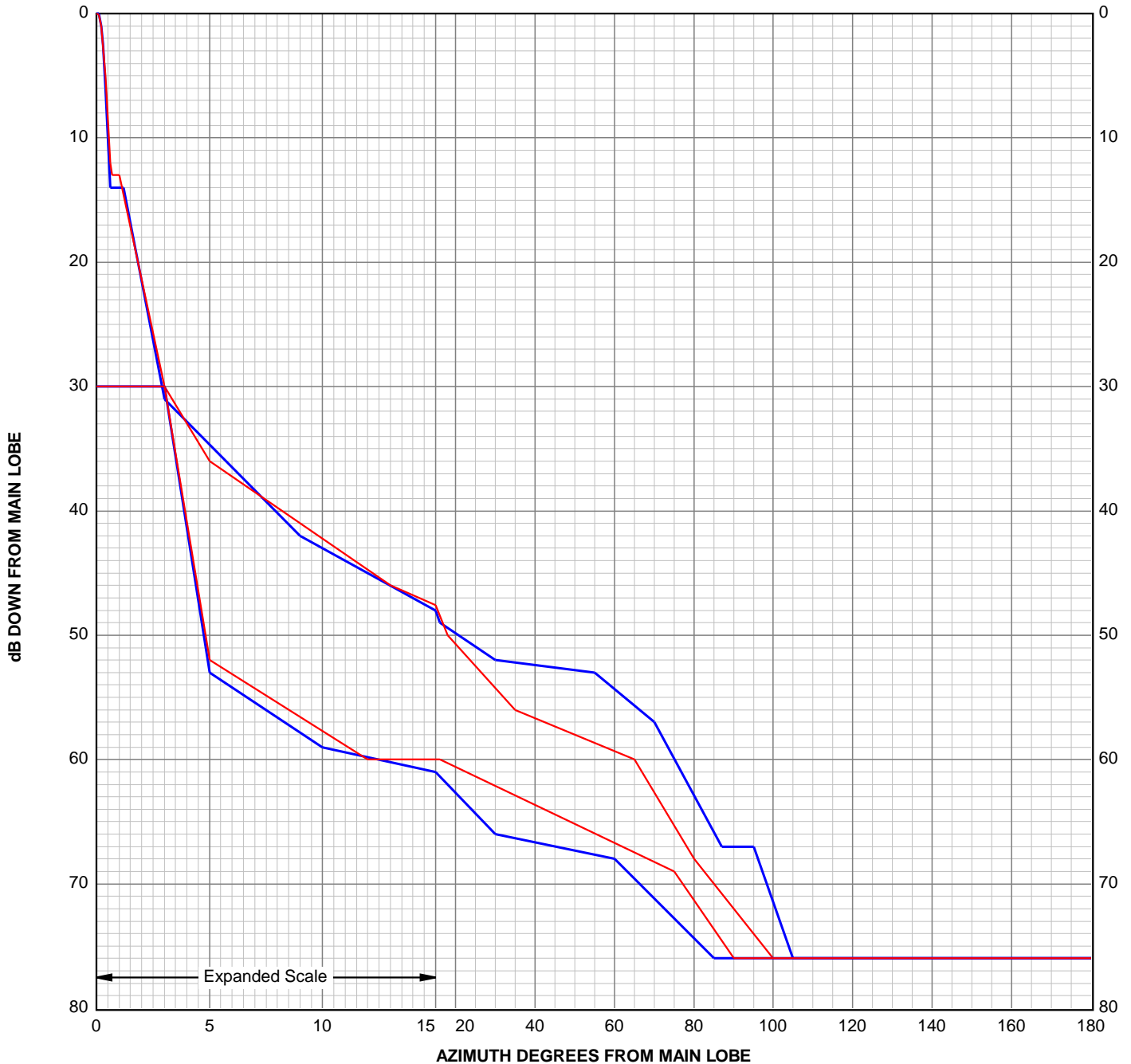
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".

ANDREW CORPORATION



RPE 7176A

Engineering Approved:
27 January 2015



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 RPE: 7176A
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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
0.10	0.00	3.00	-30.00	0.10	-0.10	3.00	-30.00
0.20	-1.00	5.00	-53.00	0.20	-1.00	5.00	-52.00
0.30	-2.50	10.00	-59.00	0.40	-5.00	12.00	-60.00
0.40	-6.00	15.00	-61.00	0.50	-8.50	16.00	-60.00
0.50	-10.00	30.00	-66.00	0.60	-12.00	75.00	-69.00
0.60	-14.00	60.00	-68.00	0.70	-13.00	90.00	-76.00
1.20	-14.00	85.00	-76.00	1.00	-13.00	180.00	-76.00
3.00	-31.00	180.00	-76.00	3.00	-30.00		
9.00	-42.00			5.00	-36.00		
16.00	-49.00			13.00	-46.00		
30.00	-52.00			18.00	-50.00		
55.00	-53.00			35.00	-56.00		
70.00	-57.00			65.00	-60.00		
87.00	-67.00			80.00	-68.00		
95.00	-67.00			100.00	-76.00		
105.00	-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