RADIATION PATTERN ENVELOPE

Antenna Type Number: VHLP200-38/A
0.65 Foot Antenna 37.000-40.000 GHz Single Polarized
Gain: 37.50 dBi at 38.500 GHz
— Envelope for a Horizontally Polarized Antenna (HH, HV)
— Envelope for a Vertically Polarized Antenna (VV, VH)

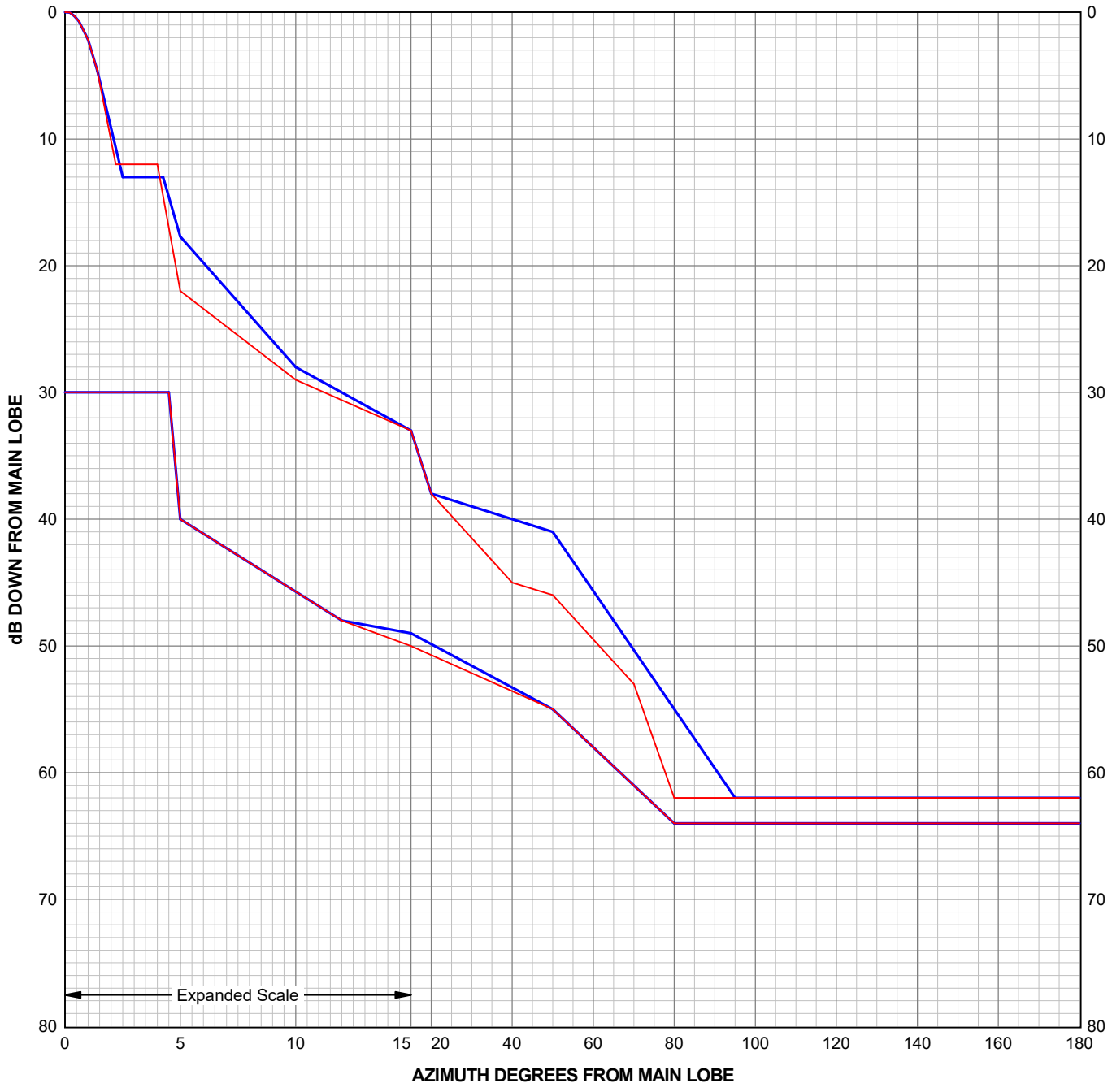
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".

ANDREW CORPORATION

ANDREW®

RPE 7142A

Engineering Approved:
14 July 2022



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H/H		H/V		V/V		V/H	
Angle	**dB**	**Angle**	**dB**	**Angle**	**dB**	**Angle**	**dB**
0.00	0.00	0.00	-30.00	0.00	0.00	0.00	-30.00
0.20	-0.02	4.50	-30.00	0.20	-0.02	4.50	-30.00
0.40	-0.28	5.00	-40.00	0.40	-0.28	5.00	-40.00
0.60	-0.70	12.00	-48.00	0.60	-0.70	12.00	-48.00
0.90	-1.80	15.00	-49.00	0.90	-1.80	15.00	-50.00
1.00	-2.20	50.00	-55.00	1.00	-2.20	50.00	-55.00
1.40	-4.60	80.00	-64.00	1.40	-4.60	80.00	-64.00
2.50	-13.00	180.00	-64.00	2.20	-12.00	180.00	-64.00
4.25	-13.00			4.00	-12.00		
5.00	-17.70			5.00	-22.00		
10.00	-28.00			10.00	-29.00		
15.00	-33.00			15.00	-33.00		
20.00	-38.00			20.00	-38.00		
50.00	-41.00			40.00	-45.00		
65.00	-48.00			50.00	-46.00		
95.00	-62.00			70.00	-53.00		
180.00	-62.00			80.00	-62.00		
				180.00	-62.00		

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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