

# RADIATION PATTERN ENVELOPE

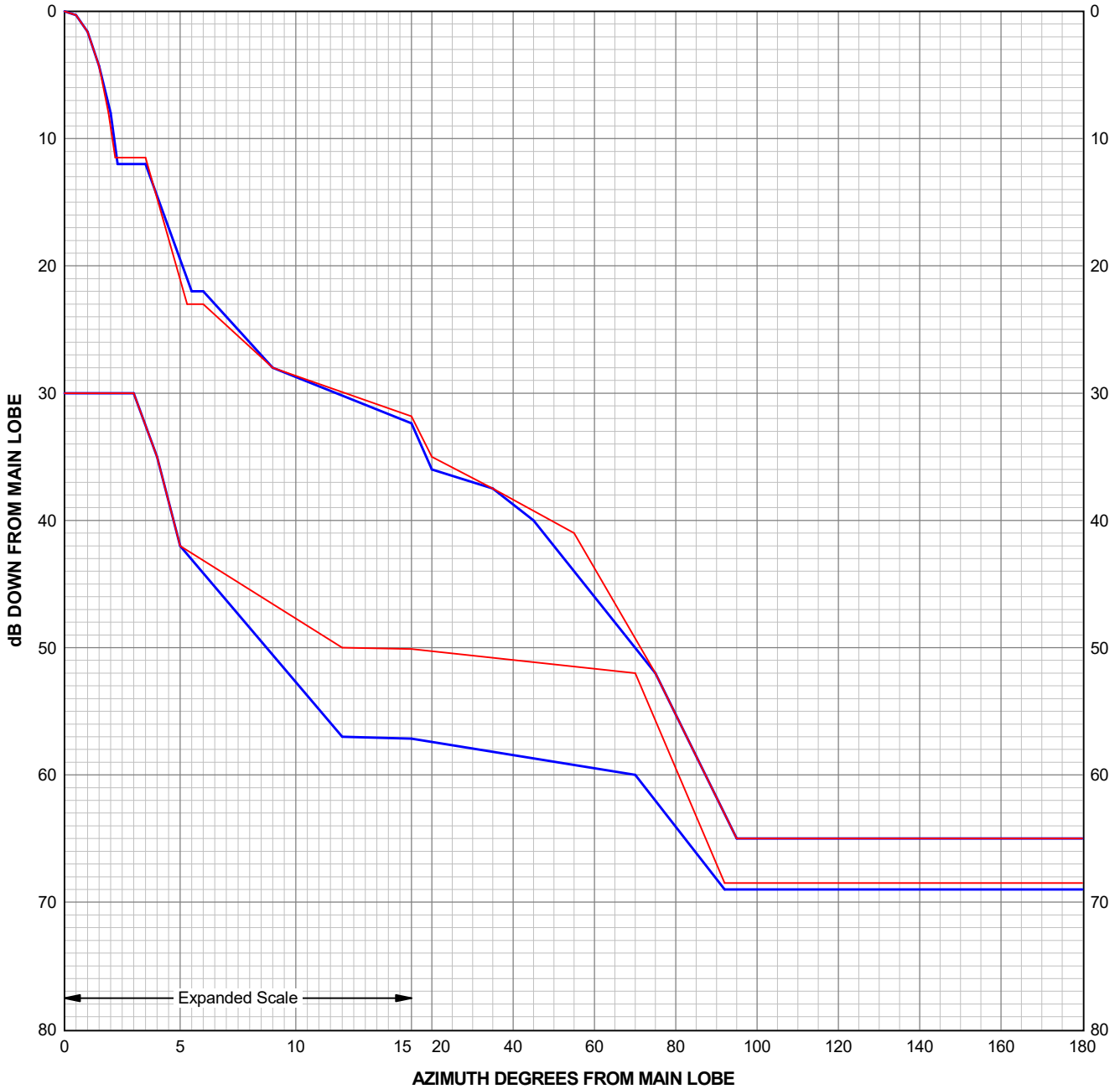
Antenna Type Number: VHLP2-(X)80(X)15  
2.00 Foot Antenna 14.400-15.350 GHz Dual Polarized  
Gain: 37.10 dBi at 14.875 GHz  
— Envelope for a Horizontally Polarized Antenna (HH, HV)  
— Envelope for a Vertically Polarized Antenna (VV, VH)  
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".



RPE 7445A

Engineering Approved:  
28 July 2023

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
0.50	-0.30	3.00	-30.00	0.50	-0.30	3.00	-30.00
1.00	-1.60	4.00	-35.00	1.00	-1.60	4.00	-35.00
1.50	-4.30	5.00	-42.00	1.50	-4.30	5.00	-42.00
2.00	-8.00	12.00	-57.00	1.90	-8.00	12.00	-50.00
2.30	-12.00	70.00	-60.00	2.20	-11.50	70.00	-52.00
3.50	-12.00	92.00	-69.00	3.50	-11.50	92.00	-68.50
5.50	-22.00	180.00	-69.00	5.30	-23.00	180.00	-68.50
6.00	-22.00			6.00	-23.00		
9.00	-28.00			9.00	-28.00		
20.00	-36.00			20.00	-35.00		
35.00	-37.50			35.00	-37.50		
45.00	-40.00			55.00	-41.00		
75.00	-52.00			75.00	-52.00		
95.00	-65.00			95.00	-65.00		
180.00	-65.00			180.00	-65.00		

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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