

# RADIATION PATTERN ENVELOPE

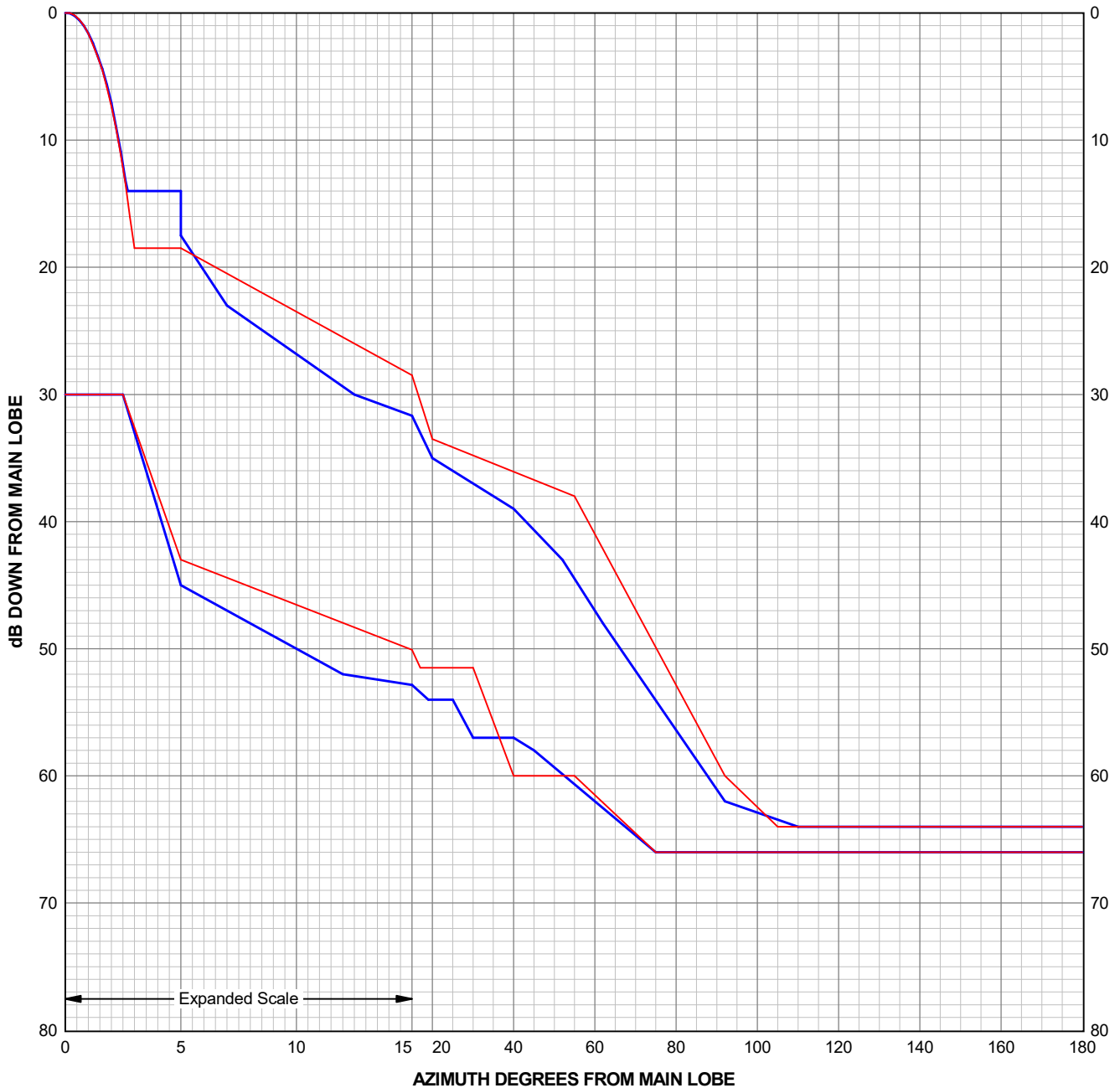
Antenna Type Number: VHLPX1-26  
1.00 Foot Antenna 24.250-26.500 GHz Dual Polarized  
Gain: 36.90 dBi at 25.375 GHz  
— Envelope for a Horizontally Polarized Antenna (HH, HV)  
— Envelope for a Vertically Polarized Antenna (VV, VH)  
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".



RPE 7019D

Engineering Approved:  
26 May 2025

ANDREW CORPORATION



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 RPE: 7019D  
 Engineering Approved: 26 May 2025



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
0.20	-0.02	2.50	-30.00	0.20	0.00	2.50	-30.00
0.40	-0.22	5.00	-45.00	0.40	-0.16	5.00	-43.00
0.60	-0.53	12.00	-52.00	0.60	-0.48	17.00	-51.50
0.80	-0.99	19.00	-54.00	0.80	-0.97	30.00	-51.50
1.00	-1.61	25.00	-54.00	1.00	-1.62	40.00	-60.00
1.20	-2.36	30.00	-57.00	1.20	-2.49	55.00	-60.00
1.40	-3.33	40.00	-57.00	1.40	-3.39	75.00	-66.00
1.60	-4.38	45.00	-58.00	1.60	-4.48	180.00	-66.00
1.80	-5.63	75.00	-66.00	1.80	-5.85		
2.00	-7.08	180.00	-66.00	2.00	-7.33		
2.20	-8.93			2.20	-9.02		
2.40	-10.91			2.40	-11.15		
2.60	-13.14			2.60	-13.36		
2.70	-14.00			2.80	-16.05		
5.00	-14.00			3.00	-18.50		
5.00	-17.50			5.00	-18.50		
7.00	-23.00			20.00	-33.50		
12.50	-30.00			55.00	-38.00		
20.00	-35.00			92.00	-60.00		
40.00	-39.00			105.00	-64.00		
52.00	-43.00			180.00	-64.00		
62.00	-48.00						
92.00	-62.00						
110.00	-64.00						
180.00	-64.00						

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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