

# RADIATION PATTERN ENVELOPE

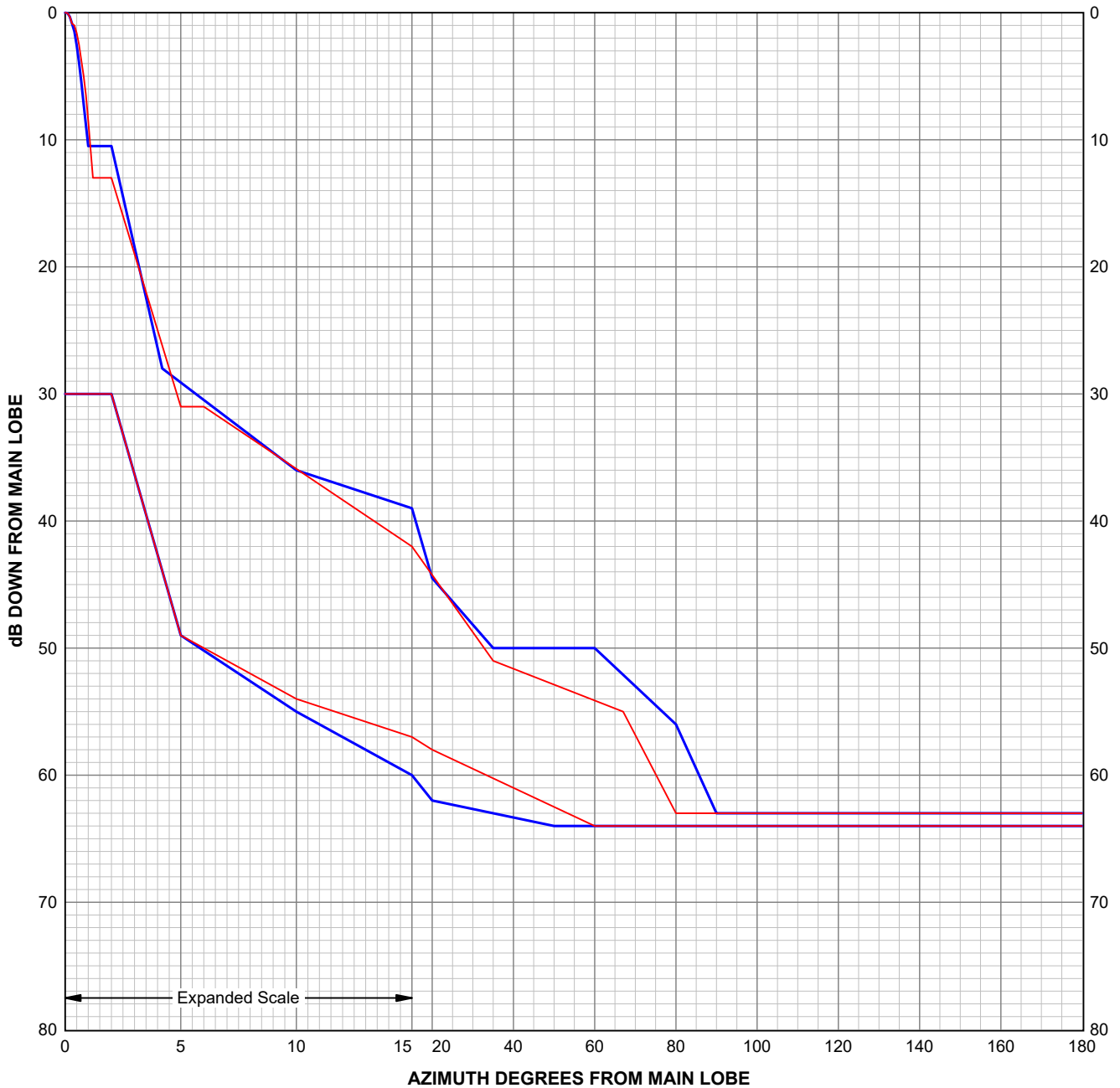
Antenna Type Number: VHLPX2-32/C  
2.00 Foot Antenna 31.000-33.400 GHz Dual Polarized  
Gain: 43.60 dBi at 32.200 GHz  
— Envelope for a Horizontally Polarized Antenna (HH, HV)  
— Envelope for a Vertically Polarized Antenna (VV, VH)  
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".



RPE 7220C

Engineering Approved:  
7 May 2021

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
0.10	-0.03	2.00	-30.00	0.10	-0.03	2.00	-30.00
0.20	-0.30	5.00	-49.00	0.20	-0.30	5.00	-49.00
0.30	-0.85	10.00	-55.00	0.30	-0.85	10.00	-54.00
0.40	-1.49	15.00	-60.00	0.40	-1.00	15.00	-57.00
0.50	-2.57	20.00	-62.00	0.50	-1.60	20.00	-58.00
0.60	-3.89	50.00	-64.00	0.60	-2.50	60.00	-64.00
0.70	-5.41	180.00	-64.00	0.80	-5.00	180.00	-64.00
0.80	-7.21			0.90	-6.50		
1.00	-10.50			1.00	-8.50		
2.00	-10.50			1.20	-13.00		
4.20	-28.00			2.00	-13.00		
10.00	-36.00			5.00	-31.00		
15.00	-39.00			6.00	-31.00		
20.00	-44.50			15.00	-42.00		
35.00	-50.00			35.00	-51.00		
60.00	-50.00			67.00	-55.00		
80.00	-56.00			80.00	-63.00		
90.00	-63.00			180.00	-63.00		
180.00	-63.00						

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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