

# RADIATION PATTERN ENVELOPE

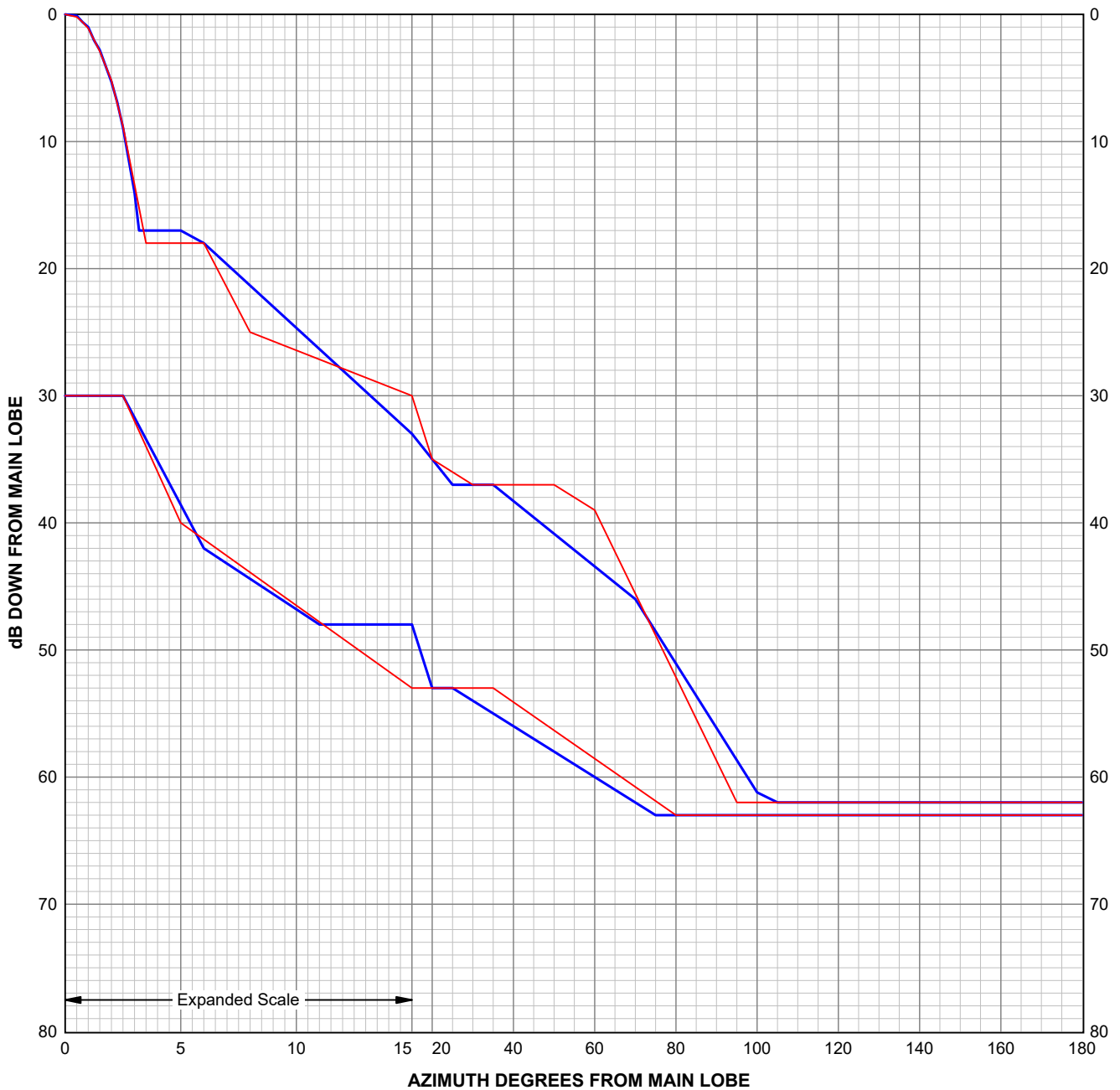
Antenna Type Number: VHLP2-13/C  
2.00 Foot Antenna 12.700-13.250 GHz Single Polarized  
Gain: 36.00 dBi at 12.975 GHz  
— Envelope for a Horizontally Polarized Antenna (HH, HV)  
— Envelope for a Vertically Polarized Antenna (VV, VH)  
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".



RPE 7202C

Engineering Approved:  
18 May 2021

ANDREW CORPORATION



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 RPE: 7202C  
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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	-0.10	2.50	-30.00	0.50	-0.20	2.50	-30.00
0.75	-0.60	6.00	-42.00	0.75	-0.60	5.00	-40.00
1.00	-1.00	11.00	-48.00	1.00	-1.10	15.00	-53.00
1.25	-2.03	15.00	-48.00	1.50	-2.90	27.00	-53.00
1.50	-2.80	20.00	-53.00	2.00	-5.20	35.00	-53.00
2.00	-5.30	25.00	-53.00	2.50	-8.80	80.00	-63.00
2.25	-6.90	75.00	-63.00	3.50	-18.00	180.00	-63.00
2.50	-8.90	180.00	-63.00	6.00	-18.00		
3.00	-14.00			8.00	-25.00		
3.20	-17.00			15.00	-30.00		
5.00	-17.00			20.00	-35.00		
6.00	-18.00			30.00	-37.00		
15.00	-33.00			50.00	-37.00		
25.00	-37.00			60.00	-39.00		
35.00	-37.00			95.00	-62.00		
70.00	-46.00			180.00	-62.00		
100.00	-61.20						
105.00	-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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