

# RADIATION PATTERN ENVELOPE

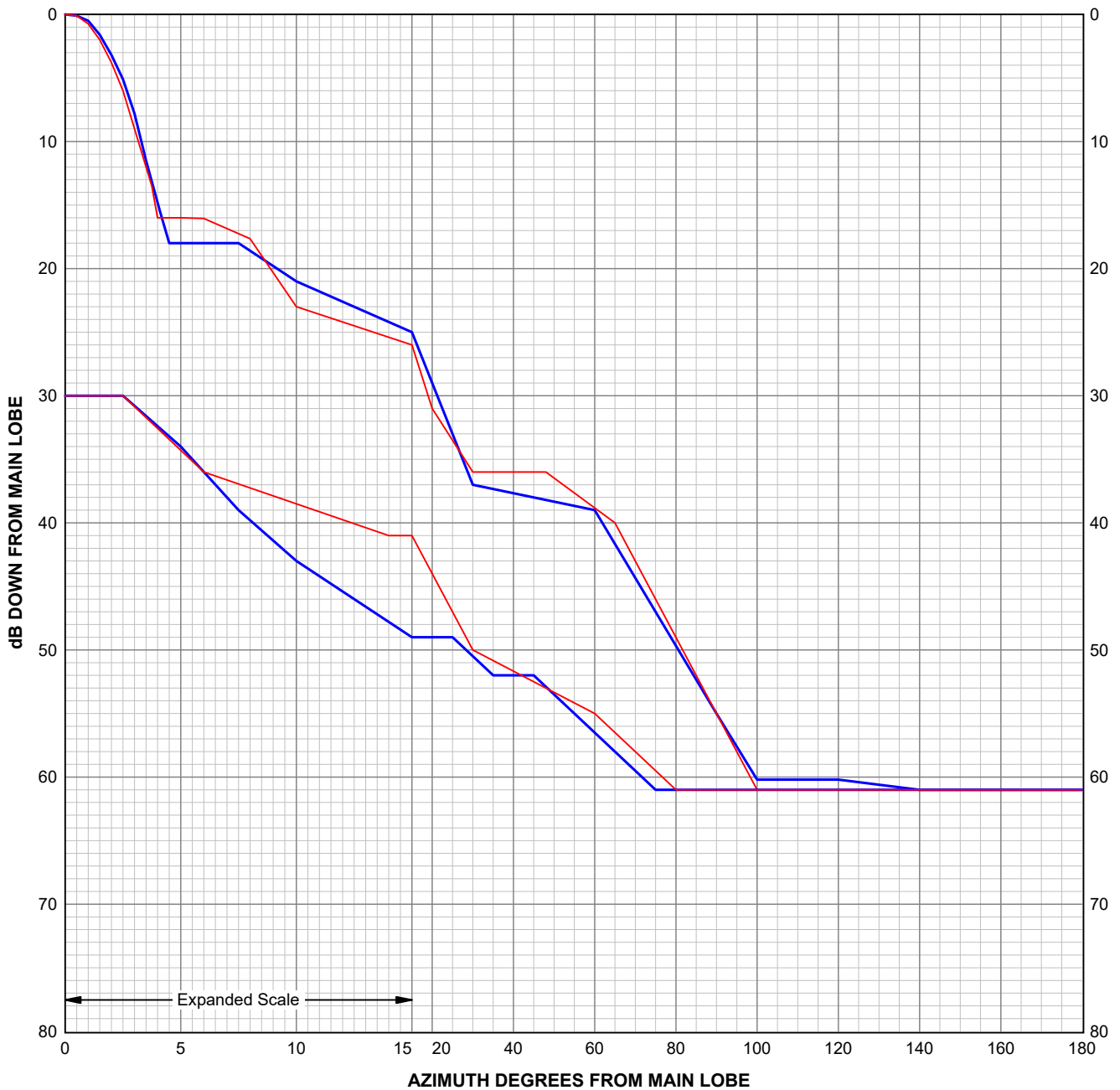
Antenna Type Number: VHLPX2-11W/B  
2.00 Foot Antenna 10.000-11.700 GHz Dual Polarized  
Gain: 34.50 dBi at 10.850 GHz  
— Envelope for a Horizontally Polarized Antenna (HH, HV)  
— Envelope for a Vertically Polarized Antenna (VV, VH)  
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".



RPE 7212B

Engineering Approved:  
31 May 2021

ANDREW CORPORATION



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 RPE: 7212B  
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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	-0.10	2.50	-30.00
1.00	-0.50	5.00	-34.00	1.00	-0.75	6.00	-36.00
1.50	-1.60	7.50	-39.00	1.50	-2.00	14.00	-41.00
2.00	-3.20	10.00	-43.00	2.00	-3.80	15.00	-41.00
2.50	-5.10	15.00	-49.00	2.50	-6.00	30.00	-50.00
3.00	-7.80	25.00	-49.00	3.00	-9.00	60.00	-55.00
3.50	-11.50	35.00	-52.00	3.50	-12.00	80.00	-61.00
4.10	-15.50	45.00	-52.00	3.75	-13.50	180.00	-61.00
4.50	-18.00	75.00	-61.00	4.00	-16.00		
7.50	-18.00	180.00	-61.00	5.00	-16.00		
10.00	-21.00			6.00	-16.05		
20.00	-29.00			8.00	-17.65		
30.00	-37.00			10.00	-23.00		
60.00	-39.00			15.00	-26.00		
90.00	-55.00			20.00	-31.00		
100.00	-60.20			30.00	-36.00		
120.00	-60.20			48.00	-36.00		
140.00	-61.00			65.00	-40.00		
180.00	-61.00			100.00	-61.00		
				180.00	-61.00		

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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