

# RADIATION PATTERN ENVELOPE

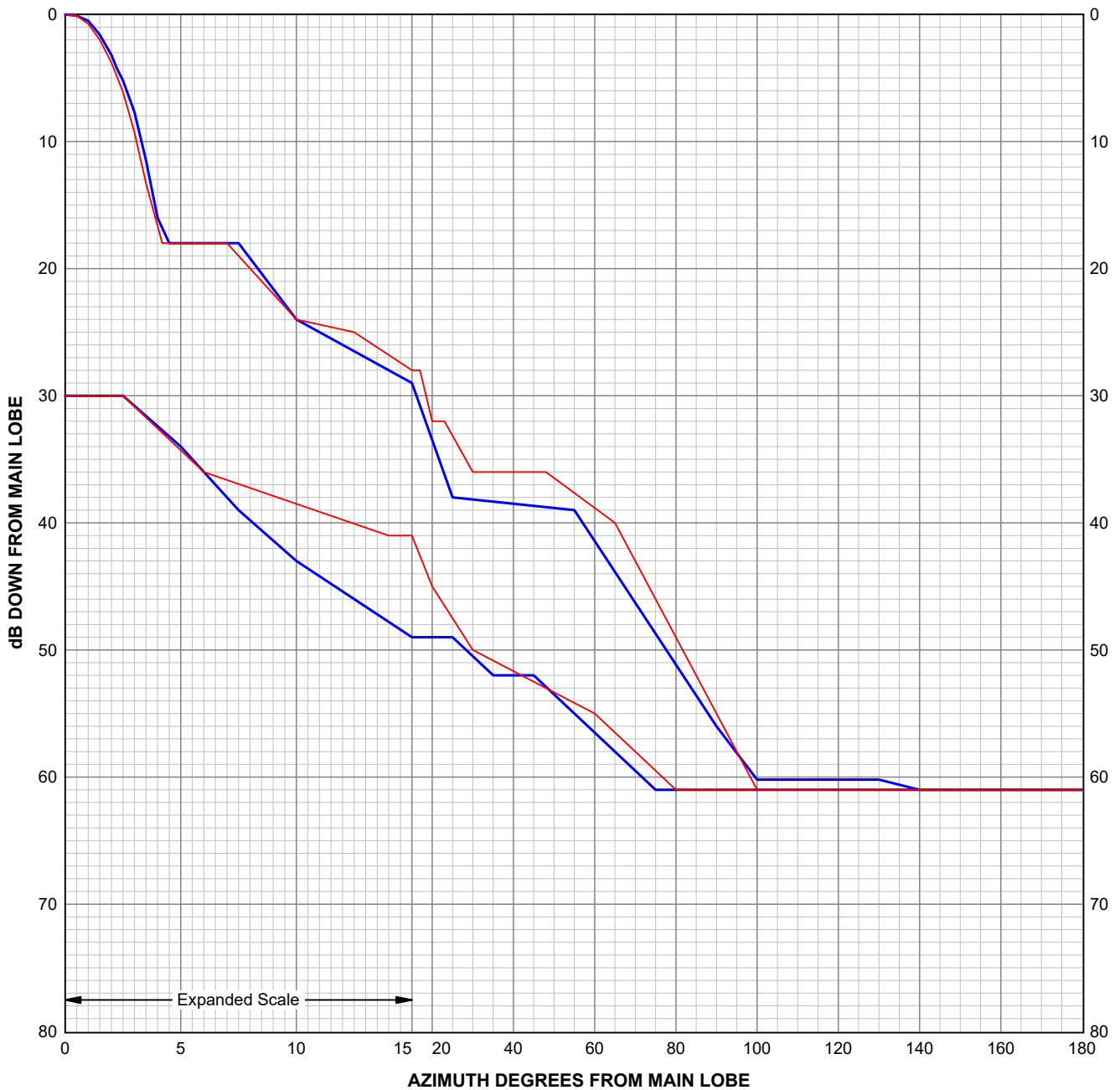
Antenna Type Number: VHLPX2-11W/B  
2.00 Foot Antenna 10.550-11.700 GHz Dual Polarized  
Gain: 34.70 dBi at 11.125 GHz  
— Envelope for a Horizontally Polarized Antenna (HH, HV)  
— Envelope for a Vertically Polarized Antenna (VV, VH)  
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".



RPE 7213B

Engineering Approved:  
13 May 2021

ANDREW CORPORATION



Antenna Type Number: VHLPX2-11W/B  
 2.00 Foot Antenna 10.550-11.700 GHz Dual Polarized  
 Gain: 34.70 dBi at 11.125 GHz  
 RPE: 7213B  
 Engineering Approved: 13 May 2021



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
2.25	-4.30	15.00	-49.00	2.50	-6.10	20.00	-45.00
2.50	-5.20	25.00	-49.00	3.00	-9.30	30.00	-50.00
3.00	-7.70	35.00	-52.00	3.50	-13.30	60.00	-55.00
3.50	-11.50	45.00	-52.00	4.20	-18.00	80.00	-61.00
4.00	-16.00	75.00	-61.00	7.00	-18.00	180.00	-61.00
4.50	-18.00	180.00	-61.00	10.00	-24.00		
7.50	-18.00			12.50	-25.00		
10.00	-24.00			15.00	-28.00		
15.00	-29.00			17.00	-28.00		
25.00	-38.00			20.00	-32.00		
55.00	-39.00			23.00	-32.00		
90.00	-56.00			30.00	-36.00		
100.00	-60.20			48.00	-36.00		
130.00	-60.20			65.00	-40.00		
140.00	-61.00			100.00	-61.00		
180.00	-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

ANDREW CORPORATION  
 10500 W. 153rd Street  
 Orland Park, IL. U.S.A 60462

Corporate Web Site: <http://www.andrew.com>  
 Customer Service Center: 1-800-255-1479