

# RADIATION PATTERN ENVELOPE

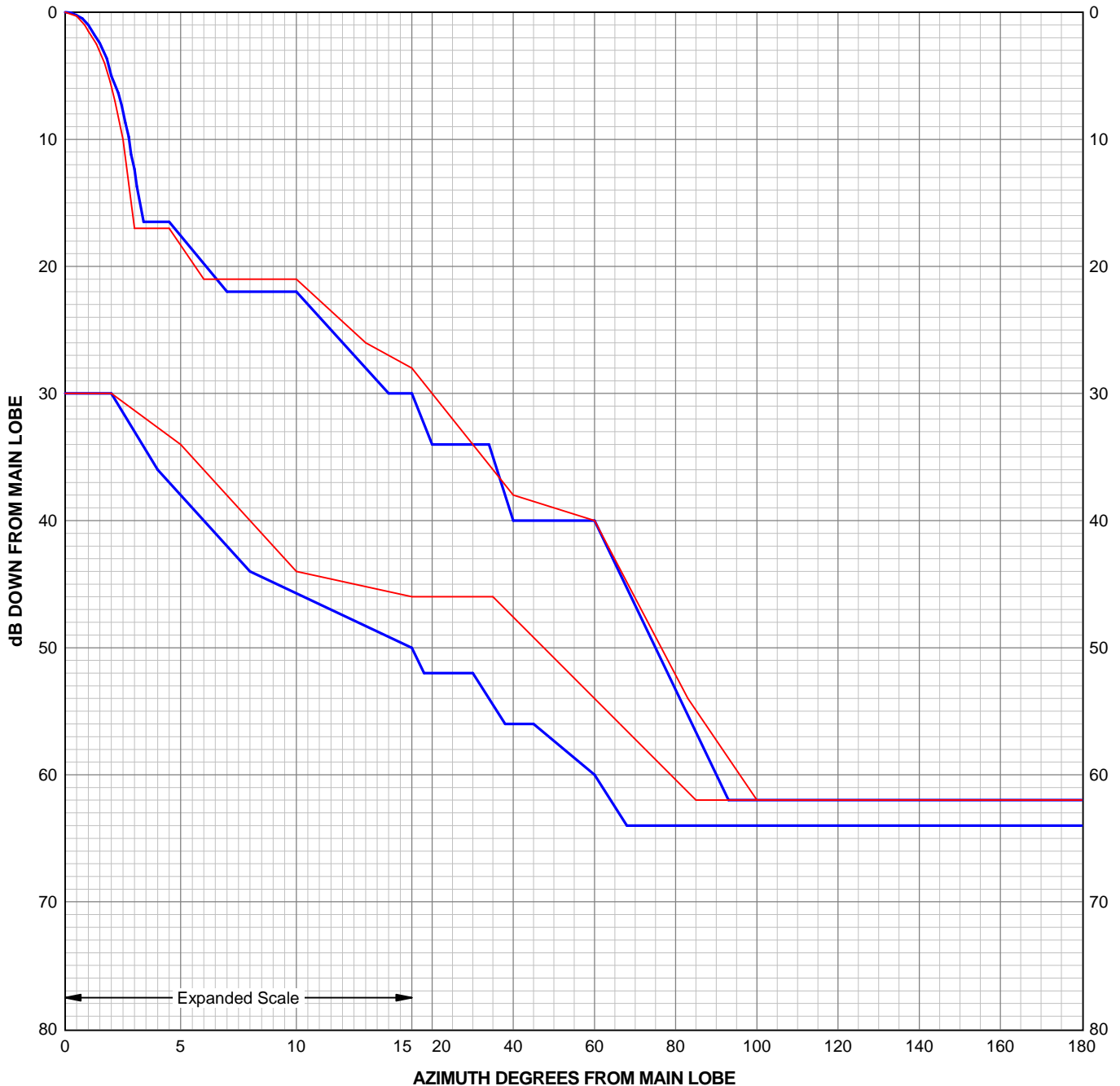
Antenna Type Number: VHLPX4-6W  
4.00 Foot Antenna 5.925-7.125 GHz Dual Polarized  
Gain: 35.50 dBi at 6.525 GHz  
— Envelope for a Horizontally Polarized Antenna (HH, HV)  
— Envelope for a Vertically Polarized Antenna (VV, VH)  
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".



RPE 7137C

Engineering Approved:  
26 May 2014

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
0.25	-0.05	2.00	-30.00	0.50	-0.30	2.00	-30.00
0.50	-0.25	4.00	-36.00	0.85	-1.00	5.00	-34.00
0.75	-0.50	8.00	-44.00	1.00	-1.50	10.00	-44.00
1.00	-1.00	15.00	-50.00	1.35	-2.50	15.00	-46.00
1.25	-1.75	18.00	-52.00	1.70	-4.00	35.00	-46.00
1.50	-2.45	30.00	-52.00	1.95	-5.50	85.00	-62.00
1.80	-3.65	38.00	-56.00	2.15	-7.00	180.00	-62.00
2.00	-5.00	45.00	-56.00	2.50	-10.00		
2.30	-6.35	60.00	-60.00	3.00	-17.00		
2.45	-7.35	68.00	-64.00	4.50	-17.00		
2.60	-8.70	180.00	-64.00	6.00	-21.00		
2.75	-9.80			10.00	-21.00		
2.85	-11.20			13.00	-26.00		
3.00	-12.35			15.00	-28.00		
3.10	-13.70			40.00	-38.00		
3.40	-16.50			60.00	-40.00		
4.50	-16.50			83.00	-54.00		
7.00	-22.00			100.00	-62.00		
10.00	-22.00			180.00	-62.00		
14.00	-30.00						
15.00	-30.00						
20.00	-34.00						
34.00	-34.00						
40.00	-40.00						
60.00	-40.00						
93.00	-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