

# RADIATION PATTERN ENVELOPE

Antenna Type Number: VHLP4-26  
4.00 Foot Antenna 24.250-26.500 GHz Single Polarized  
Gain: 47.20 dBi at 25.375 GHz  
— Envelope for a Horizontally Polarized Antenna (HH, HV)  
— Envelope for a Vertically Polarized Antenna (VV, VH)

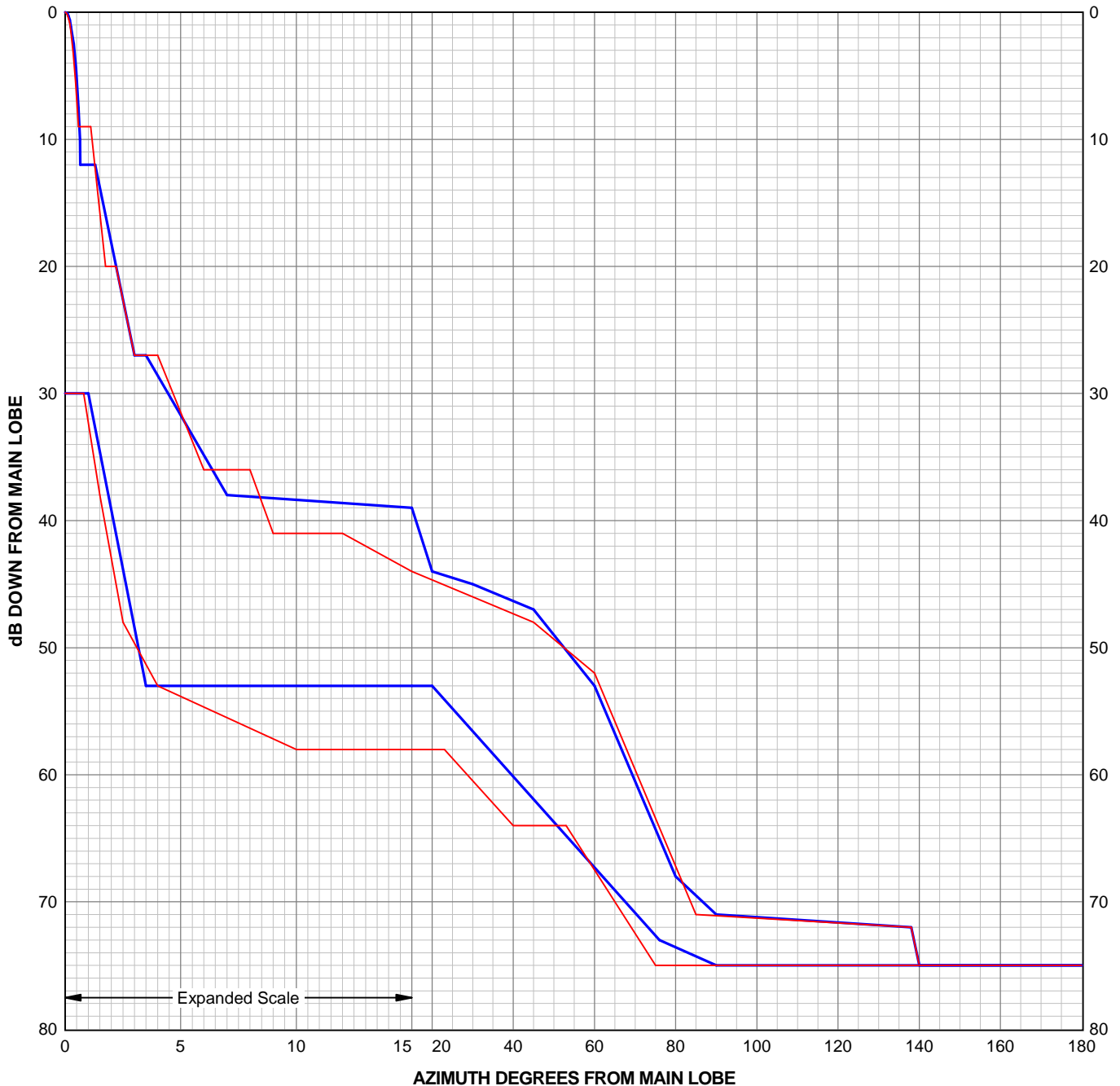
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".



RPE 7073C

Engineering Approved:  
26 May 2014

ANDREW CORPORATION



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 RPE: 7073C  
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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	-0.10	1.00	-30.00	0.05	-0.07	0.80	-30.00
0.15	-0.30	3.50	-53.00	0.10	-0.24	1.50	-38.00
0.20	-0.61	20.00	-53.00	0.15	-0.51	2.50	-48.00
0.25	-1.15	76.00	-73.00	0.20	-0.91	4.00	-53.00
0.37	-2.50	90.00	-75.00	0.25	-1.52	10.00	-58.00
0.47	-4.50	180.00	-75.00	0.35	-3.25	23.00	-58.00
0.57	-7.50			0.45	-5.50	40.00	-64.00
0.64	-10.00			0.58	-9.00	53.00	-64.00
0.65	-12.00			1.10	-9.00	75.00	-75.00
1.30	-12.00			1.75	-20.00	180.00	-75.00
3.00	-27.00			2.20	-20.00		
3.50	-27.00			3.00	-27.00		
7.00	-38.00			4.00	-27.00		
15.00	-39.00			6.00	-36.00		
20.00	-44.00			8.00	-36.00		
30.00	-45.00			9.00	-41.00		
45.00	-47.00			12.00	-41.00		
60.00	-53.00			15.00	-44.00		
80.00	-68.00			45.00	-48.00		
90.00	-71.00			60.00	-52.00		
138.00	-72.00			85.00	-71.00		
140.00	-75.00			138.00	-72.00		
180.00	-75.00			140.00	-75.00		
				180.00	-75.00		

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