

# RADIATION PATTERN ENVELOPE

Antenna Type Number: VHLP6-15  
6.00 Foot Antenna 14.400-15.350 GHz Single Polarized  
Gain: 46.70 dBi at 14.875 GHz  
— Envelope for a Horizontally Polarized Antenna (HH, HV)  
— Envelope for a Vertically Polarized Antenna (VV, VH)

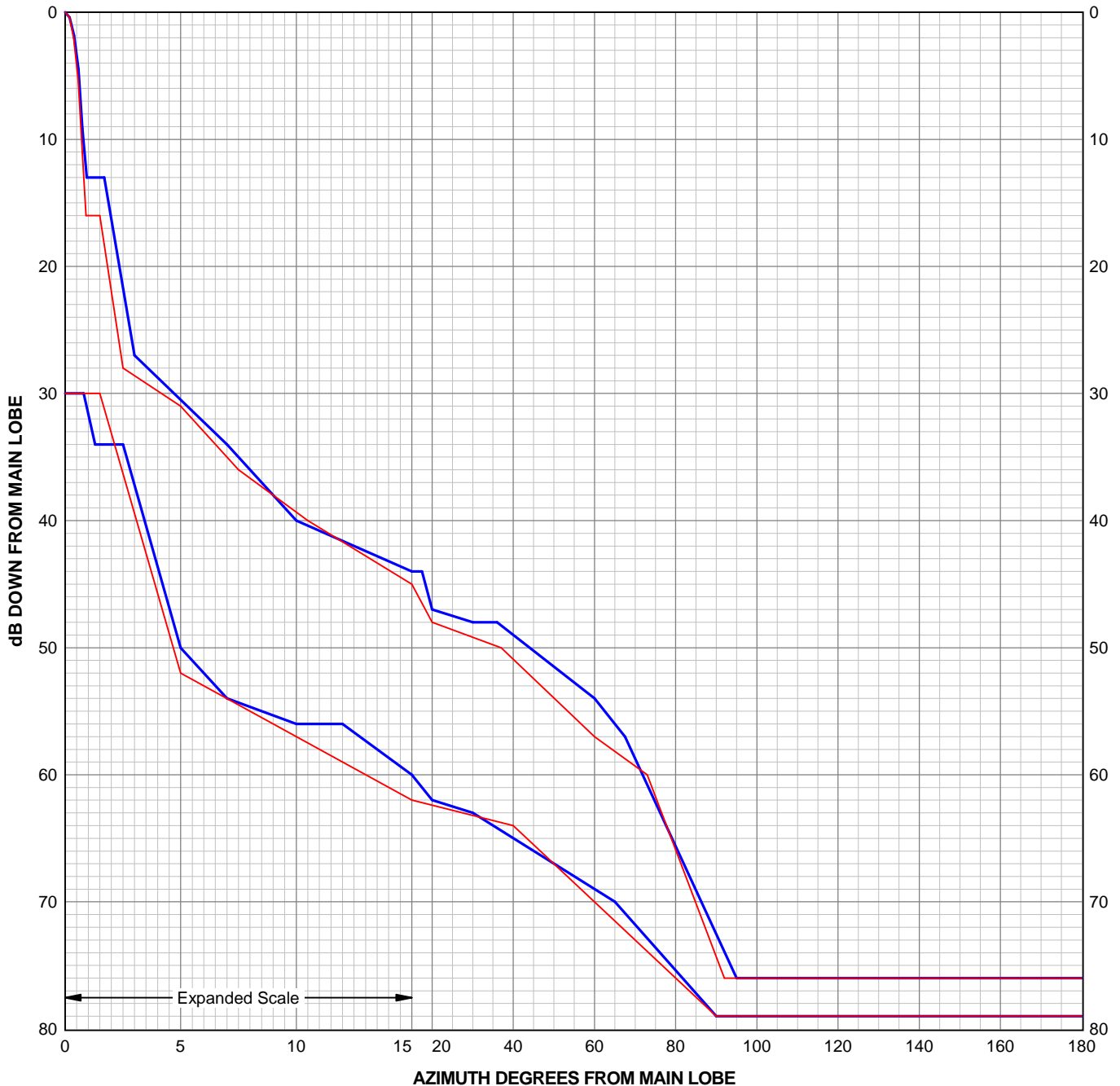
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".



RPE 7057B

Engineering Approved:  
10 June 2016

ANDREW CORPORATION



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 RPE: 7057B  
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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
0.19	-0.41	0.80	-30.00	0.19	-0.41	1.50	-30.00
0.38	-1.83	1.30	-34.00	0.37	-2.10	5.00	-52.00
0.57	-4.47	2.50	-34.00	0.56	-5.35	15.00	-62.00
0.75	-9.14	5.00	-50.00	0.75	-11.10	40.00	-64.00
0.94	-13.00	7.00	-54.00	0.90	-16.00	90.00	-79.00
1.69	-13.00	10.00	-56.00	1.50	-16.00	180.00	-79.00
3.00	-27.00	12.00	-56.00	2.50	-28.00		
7.00	-34.00	15.00	-60.00	5.00	-31.00		
10.00	-40.00	20.00	-62.00	7.50	-36.00		
15.00	-44.00	30.00	-63.00	10.50	-40.00		
17.50	-44.00	65.00	-70.00	15.00	-45.00		
20.00	-47.00	90.00	-79.00	20.00	-48.00		
30.00	-48.00	180.00	-79.00	37.00	-50.00		
36.00	-48.00			60.00	-57.00		
60.00	-54.00			73.00	-60.00		
67.50	-57.00			92.00	-76.00		
95.00	-76.00			180.00	-76.00		
180.00	-76.00						

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