

# RADIATION PATTERN ENVELOPE

Antenna Type Number: VHLP1-26  
1.00 Foot Antenna 24.250-26.500 GHz Single Polarized  
Gain: 36.90 dBi at 25.375 GHz  
— Envelope for a Horizontally Polarized Antenna (HH, HV)  
— Envelope for a Vertically Polarized Antenna (VV, VH)

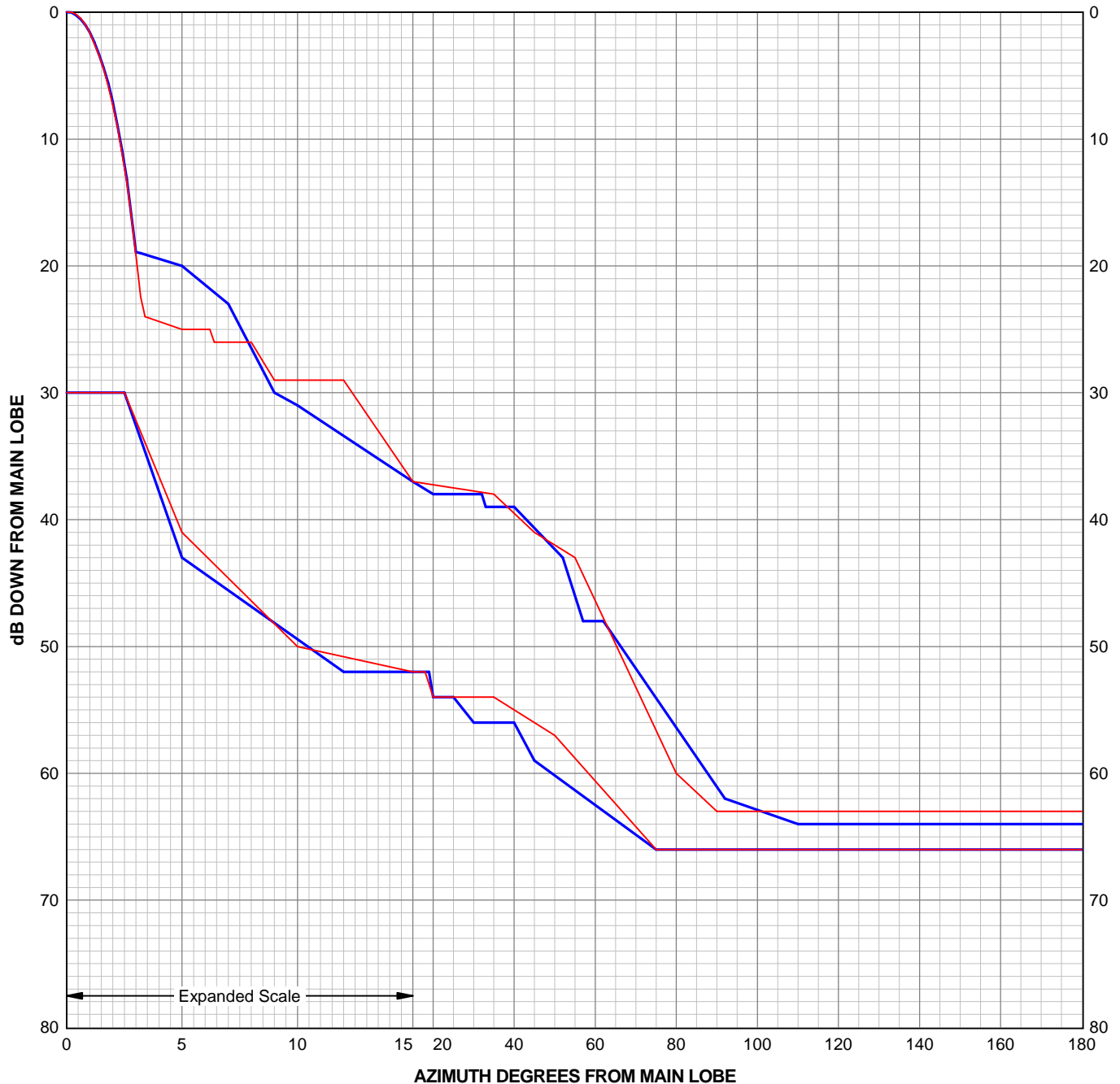
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".



RPE 7018C

Engineering Approved:  
25 May 2016

ANDREW CORPORATION



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 RPE: 7018C  
 Engineering Approved: 25 May 2016



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
0.20	-0.02	2.50	-30.00	0.20	0.00	2.50	-30.00
0.40	-0.22	5.00	-43.00	0.40	-0.16	5.00	-41.00
0.60	-0.53	12.00	-52.00	0.60	-0.48	10.00	-50.00
0.80	-0.99	15.00	-52.00	0.80	-0.97	15.00	-52.00
1.00	-1.61	19.00	-52.00	1.00	-1.62	18.00	-52.00
1.20	-2.36	20.00	-54.00	1.20	-2.49	20.00	-54.00
1.40	-3.33	25.00	-54.00	1.40	-3.39	35.00	-54.00
1.60	-4.38	30.00	-56.00	1.60	-4.48	50.00	-57.00
1.80	-5.63	40.00	-56.00	1.80	-5.85	75.00	-66.00
2.00	-7.08	45.00	-59.00	2.00	-7.33	180.00	-66.00
2.20	-8.93	75.00	-66.00	2.20	-9.02		
2.40	-10.91	180.00	-66.00	2.40	-11.15		
2.60	-13.14			2.60	-13.36		
2.80	-15.95			2.80	-16.05		
3.00	-18.91			3.00	-19.11		
3.20	-19.00			3.20	-22.43		
5.00	-20.00			3.40	-24.00		
7.00	-23.00			5.00	-25.00		
9.00	-30.00			6.20	-25.00		
10.00	-31.00			6.40	-26.00		
15.00	-37.00			8.00	-26.00		
20.00	-38.00			9.00	-29.00		
32.00	-38.00			12.00	-29.00		
33.00	-39.00			15.00	-37.00		
40.00	-39.00			35.00	-38.00		
52.00	-43.00			45.00	-41.00		
57.00	-48.00			55.00	-43.00		
62.00	-48.00			80.00	-60.00		
92.00	-62.00			90.00	-63.00		
110.00	-64.00			180.00	-63.00		
180.00	-64.00						

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