

# RADIATION PATTERN ENVELOPE

Antenna Type Number: VHLPX6-18  
6.00 Foot Antenna 17.700-19.700 GHz Dual Polarized  
Gain: 48.00 dBi at 18.700 GHz  
— Envelope for a Horizontally Polarized Antenna (HH, HV)  
— Envelope for a Vertically Polarized Antenna (VV, VH)

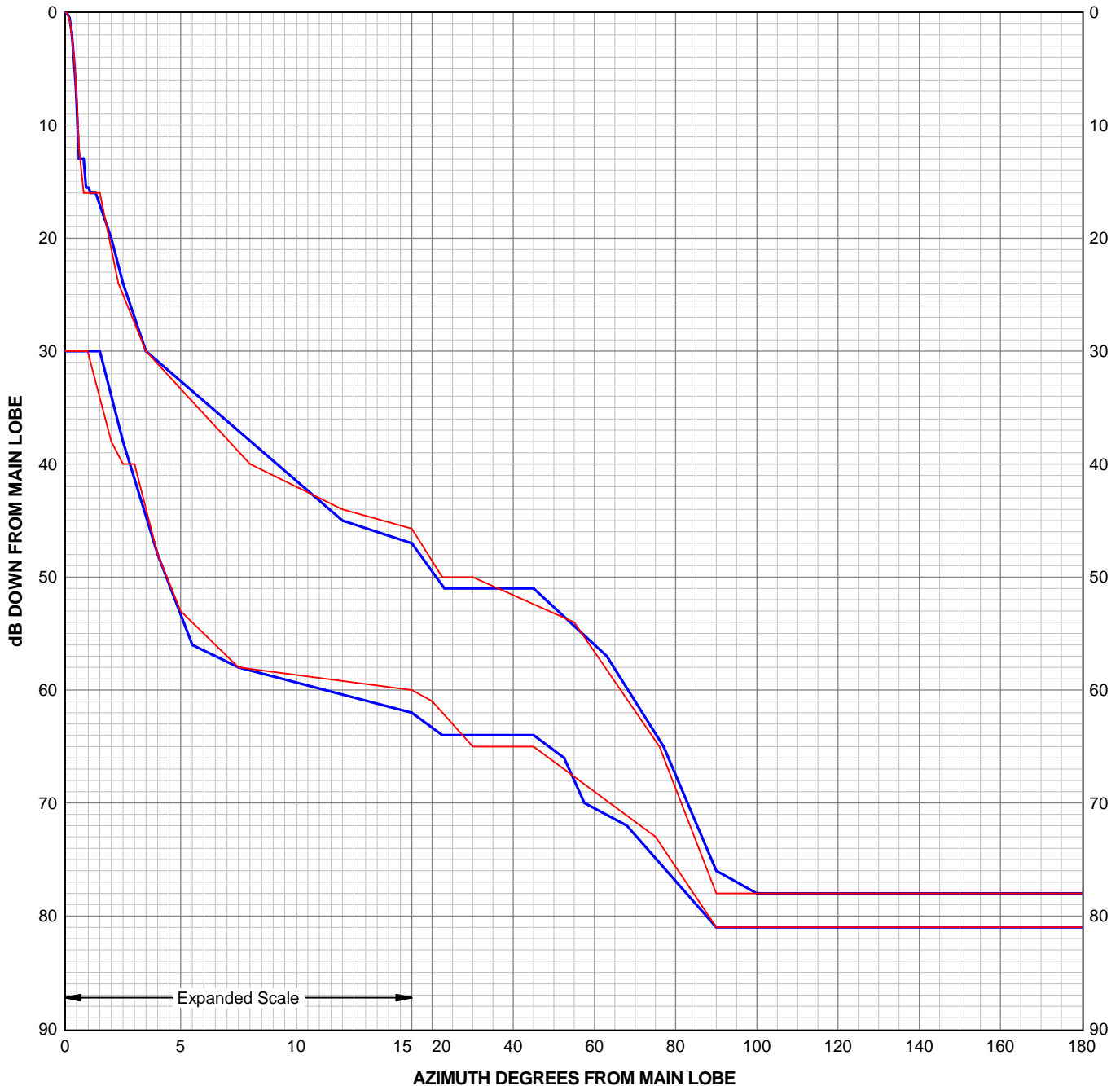
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".



RPE 7064B

Engineering Approved:  
10 June 2016

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
0.11	-0.20	1.50	-30.00	0.10	-0.12	0.97	-30.00
0.19	-0.54	2.50	-38.00	0.20	-0.80	2.00	-38.00
0.28	-1.76	4.00	-48.00	0.30	-2.25	2.50	-40.00
0.37	-4.00	5.50	-56.00	0.40	-4.30	3.00	-40.00
0.47	-7.00	7.50	-58.00	0.50	-7.50	4.00	-48.00
0.60	-13.00	15.00	-62.00	0.60	-12.00	5.00	-53.00
0.80	-13.00	22.50	-64.00	0.80	-16.00	7.50	-58.00
0.90	-15.50	27.00	-64.00	1.50	-16.00	15.00	-60.00
1.00	-15.50	45.00	-64.00	2.30	-24.00	20.00	-61.00
1.10	-16.00	52.50	-66.00	3.50	-30.00	30.00	-65.00
1.32	-16.00	57.50	-70.00	8.00	-40.00	45.00	-65.00
2.00	-20.00	68.00	-72.00	12.00	-44.00	75.00	-73.00
2.50	-24.00	90.00	-81.00	22.50	-50.00	90.00	-81.00
3.50	-30.00	180.00	-81.00	30.00	-50.00	180.00	-81.00
12.00	-45.00			55.00	-54.00		
15.00	-47.00			76.00	-65.00		
23.00	-51.00			90.00	-78.00		
45.00	-51.00			180.00	-78.00		
63.00	-57.00						
77.00	-65.00						
90.00	-76.00						
100.00	-78.00						
180.00	-78.00						

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