

# RADIATION PATTERN ENVELOPE

Antenna Type Number: VHLPX6-13  
6.00 Foot Antenna 12.700-13.250 GHz Dual Polarized  
Gain: 45.30 dBi at 12.975 GHz  
— Envelope for a Horizontally Polarized Antenna (HH, HV)  
— Envelope for a Vertically Polarized Antenna (VV, VH)

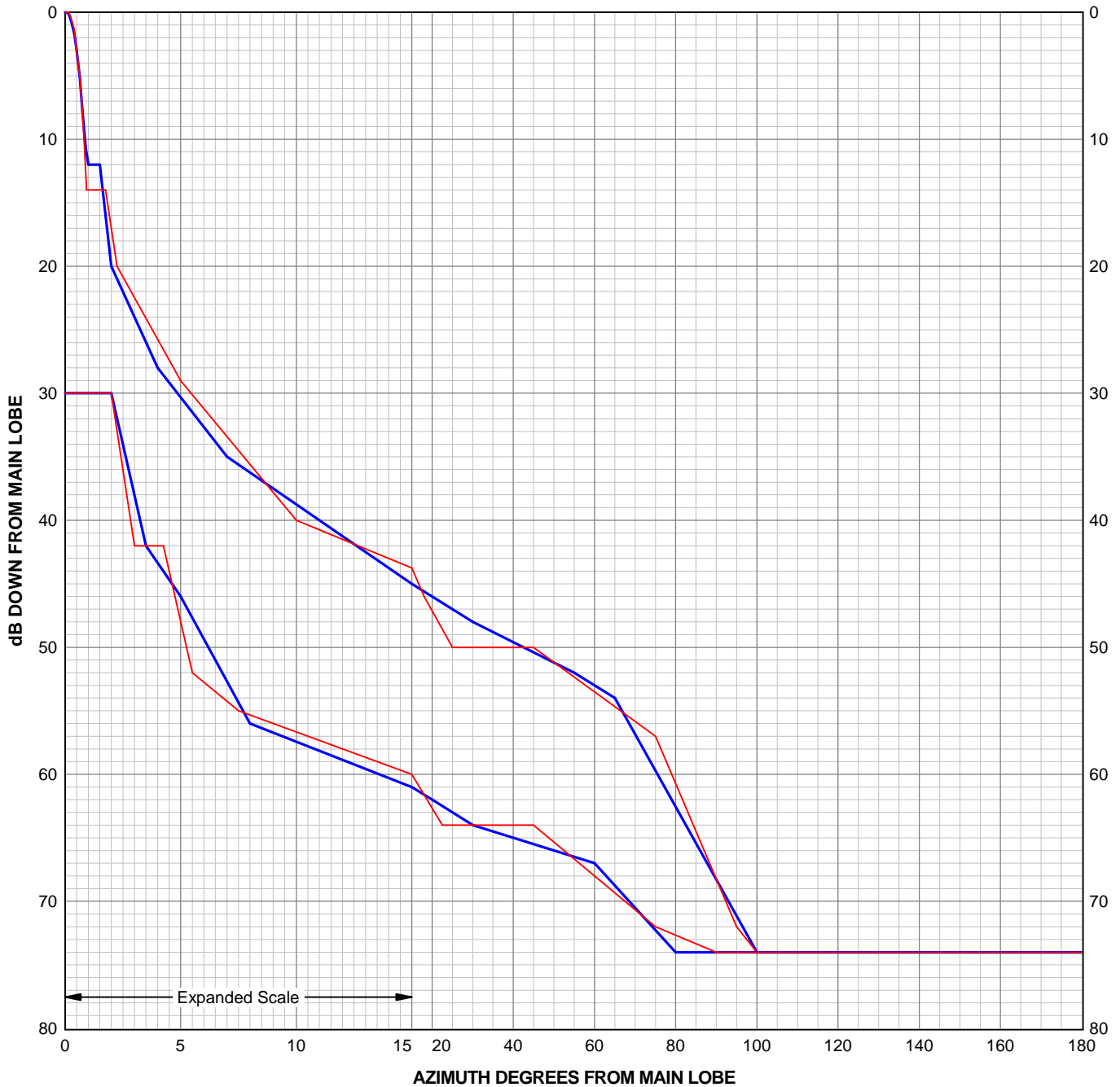
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".



RPE 7052B

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
0.13	-0.07	2.00	-30.00	0.15	0.00	2.00	-30.00
0.25	-0.61	3.50	-42.00	0.25	-0.41	3.00	-42.00
0.39	-1.69	5.00	-46.00	0.39	-1.35	4.25	-42.00
0.49	-2.84	8.00	-56.00	0.49	-2.84	5.50	-52.00
0.63	-5.08	15.00	-61.00	0.63	-5.00	7.50	-55.00
0.75	-7.72	20.00	-62.00	0.75	-7.75	15.00	-60.00
0.89	-10.70	30.00	-64.00	0.85	-11.00	22.50	-64.00
1.00	-12.00	60.00	-67.00	0.93	-14.00	45.00	-64.00
1.50	-12.00	80.00	-74.00	1.75	-14.00	60.00	-68.00
2.00	-20.00	180.00	-74.00	2.25	-20.00	75.00	-72.00
4.00	-28.00			5.00	-29.00	90.00	-74.00
7.00	-35.00			10.00	-40.00	180.00	-74.00
15.00	-45.00			18.00	-46.00		
30.00	-48.00			25.00	-50.00		
55.00	-52.00			45.00	-50.00		
65.00	-54.00			75.00	-57.00		
100.00	-74.00			95.00	-72.00		
180.00	-74.00			100.00	-74.00		
				180.00	-74.00		

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