

# RADIATION PATTERN ENVELOPE

Antenna Type Number: VHLPX6-23  
6.00 Foot Antenna 21.200-23.600 GHz Dual Polarized  
Gain: 49.20 dBi at 22.400 GHz  
— Envelope for a Horizontally Polarized Antenna (HH, HV)  
— Envelope for a Vertically Polarized Antenna (VV, VH)

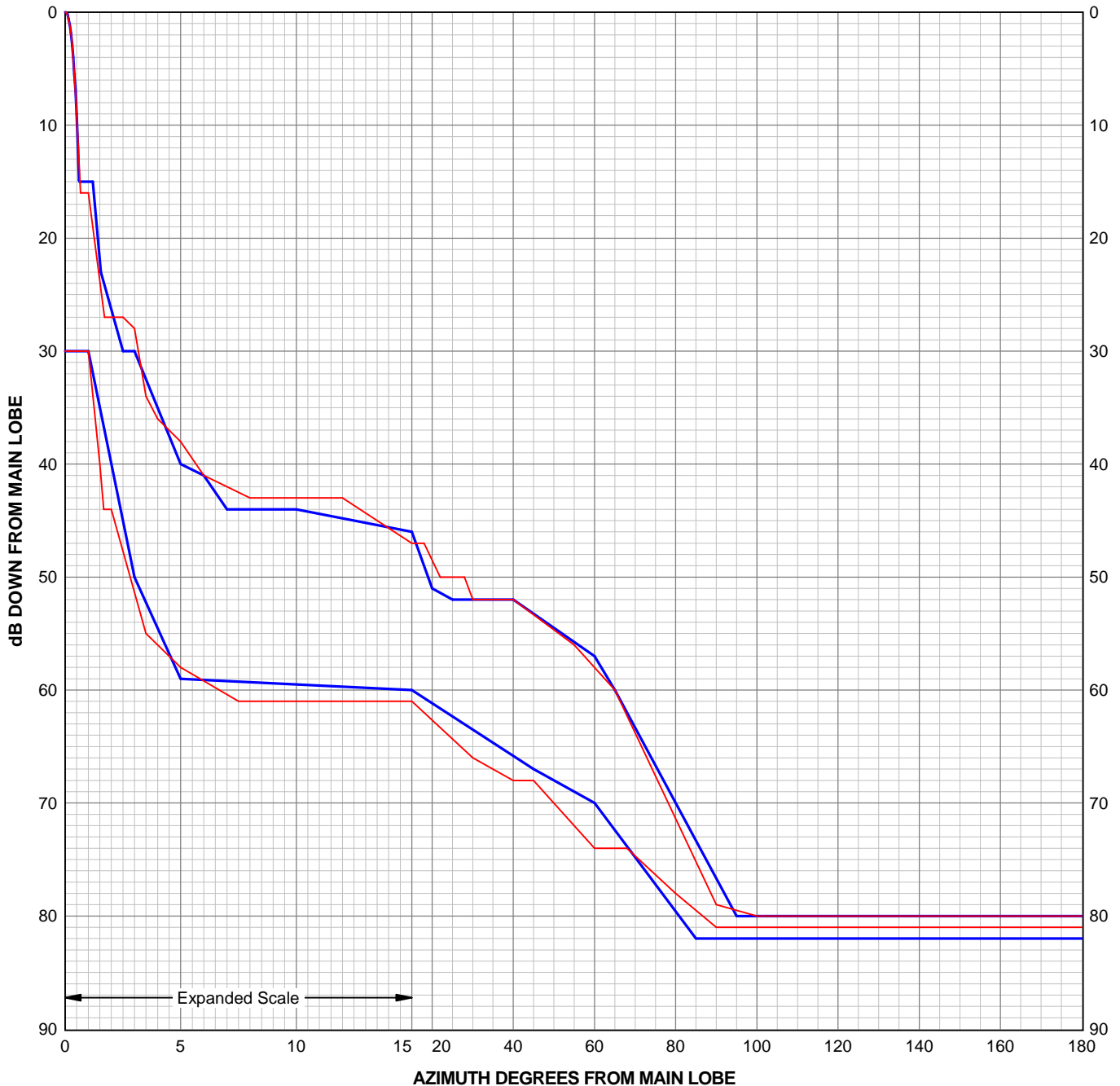
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".



RPE 7070B

Engineering Approved:  
10 June 2016

ANDREW CORPORATION



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 Gain: 49.20 dBi at 22.400 GHz  
 RPE: 7070B  
 Engineering Approved: 10 June 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
0.05	-0.03	1.00	-30.00	0.05	-0.02	1.00	-30.00
0.10	-0.17	3.00	-50.00	0.10	-0.24	1.50	-40.00
0.15	-0.61	5.00	-59.00	0.15	-0.66	1.67	-44.00
0.20	-1.15	15.00	-60.00	0.20	-1.18	2.00	-44.00
0.25	-1.83	45.00	-67.00	0.25	-1.78	3.50	-55.00
0.30	-2.88	60.00	-70.00	0.30	-2.79	5.00	-58.00
0.35	-3.99	85.00	-82.00	0.40	-5.50	7.50	-61.00
0.40	-5.48	180.00	-82.00	0.49	-8.50	15.00	-61.00
0.45	-6.97			0.66	-16.00	30.00	-66.00
0.50	-9.00			1.00	-16.00	40.00	-68.00
0.55	-11.88			1.70	-27.00	45.00	-68.00
0.60	-14.86			2.50	-27.00	60.00	-74.00
0.62	-15.00			3.00	-28.00	68.00	-74.00
1.20	-15.00			3.50	-34.00	80.00	-78.00
1.55	-23.00			4.00	-36.00	90.00	-81.00
2.50	-30.00			5.00	-38.00	180.00	-81.00
3.00	-30.00			6.00	-41.00		
5.00	-40.00			8.00	-43.00		
6.00	-41.00			12.00	-43.00		
7.00	-44.00			15.00	-47.00		
10.00	-44.00			18.00	-47.00		
15.00	-46.00			22.00	-50.00		
20.00	-51.00			28.00	-50.00		
25.00	-52.00			30.00	-52.00		
40.00	-52.00			40.00	-52.00		
60.00	-57.00			55.00	-56.00		
65.00	-60.00			65.00	-60.00		
95.00	-80.00			90.00	-79.00		
180.00	-80.00			100.00	-80.00		
				180.00	-80.00		

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