

RADIATION PATTERN ENVELOPE

Antenna Type Number: VHLPX1-32
1.00 Foot Antenna 31.000-33.400 GHz Dual Polarized
Gain: 38.90 dBi at 32.200 GHz
— Envelope for a Horizontally Polarized Antenna (HH, HV)
— Envelope for a Vertically Polarized Antenna (VV, VH)

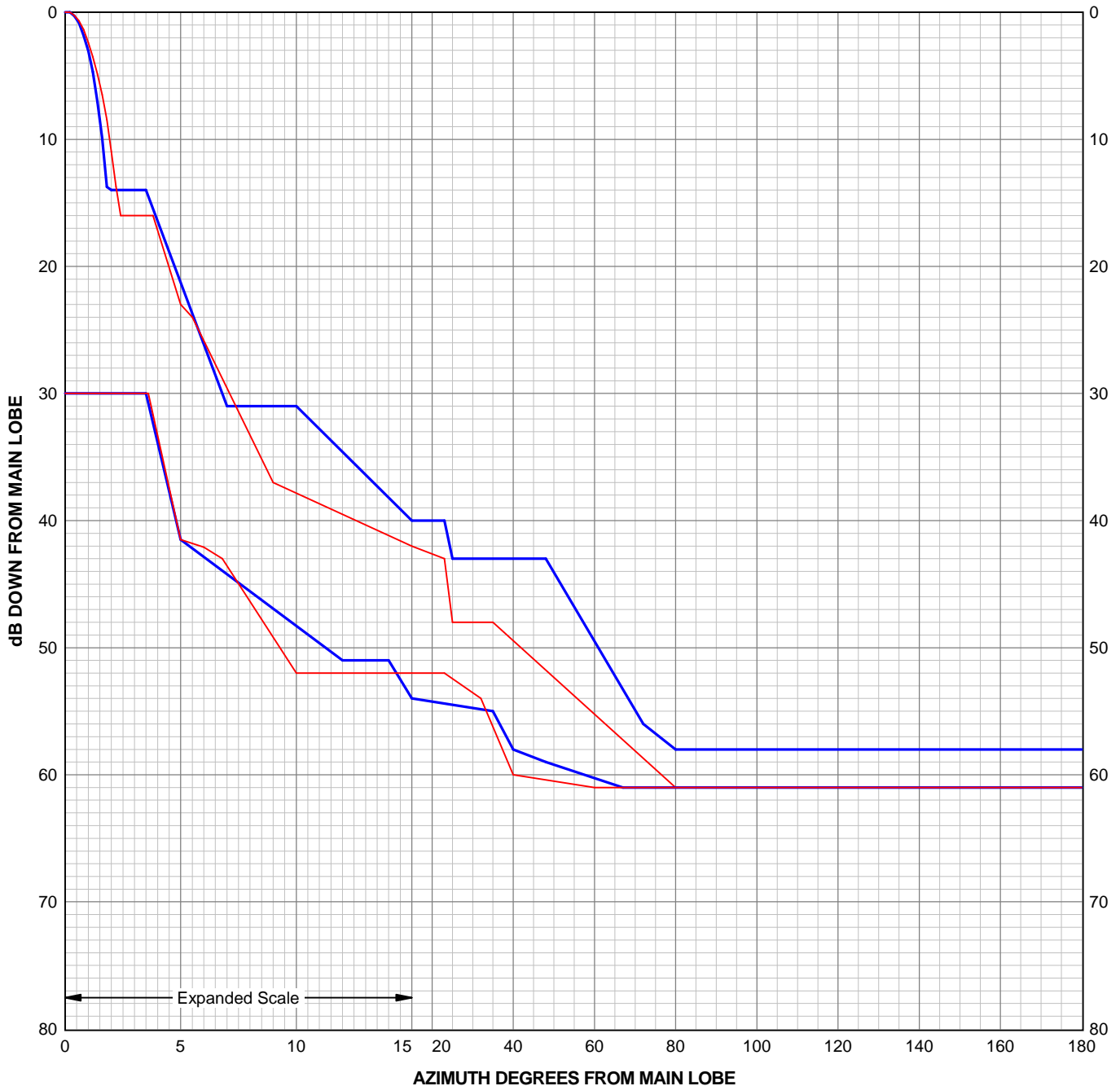
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".



RPE 7027B

Engineering Approved:
26 May 2016

ANDREW CORPORATION



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 RPE: 7027B
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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
0.20	-0.01	3.50	-30.00	0.20	0.00	3.60	-30.00
0.40	-0.29	5.00	-41.50	0.40	-0.25	5.00	-41.50
0.60	-0.85	12.00	-51.00	0.60	-0.68	6.00	-42.10
0.80	-1.84	14.00	-51.00	0.80	-1.37	6.80	-43.00
1.00	-3.06	15.00	-54.00	1.00	-2.41	10.00	-52.00
1.20	-4.67	35.00	-55.00	1.20	-3.51	23.00	-52.00
1.40	-7.08	40.00	-58.00	1.40	-4.88	32.00	-54.00
1.60	-9.91	48.00	-59.00	1.60	-6.48	40.00	-60.00
1.80	-13.75	67.00	-61.00	1.80	-8.45	60.00	-61.00
2.00	-14.00	180.00	-61.00	2.00	-10.95	180.00	-61.00
3.50	-14.00			2.20	-13.70		
7.00	-31.00			2.40	-16.00		
10.00	-31.00			3.80	-16.00		
15.00	-40.00			5.00	-23.00		
23.00	-40.00			5.50	-24.00		
25.00	-43.00			9.00	-37.00		
48.00	-43.00			15.00	-42.00		
72.00	-56.00			23.00	-43.00		
80.00	-58.00			25.00	-48.00		
180.00	-58.00			35.00	-48.00		
				80.00	-61.00		
				180.00	-61.00		

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