

RADIATION PATTERN ENVELOPE

Antenna Type Number: VHLPX1-28
1.00 Foot Antenna 27.500-29.500 GHz Dual Polarized
Gain: 38.10 dBi at 28.500 GHz
— Envelope for a Horizontally Polarized Antenna (HH, HV)
— Envelope for a Vertically Polarized Antenna (VV, VH)

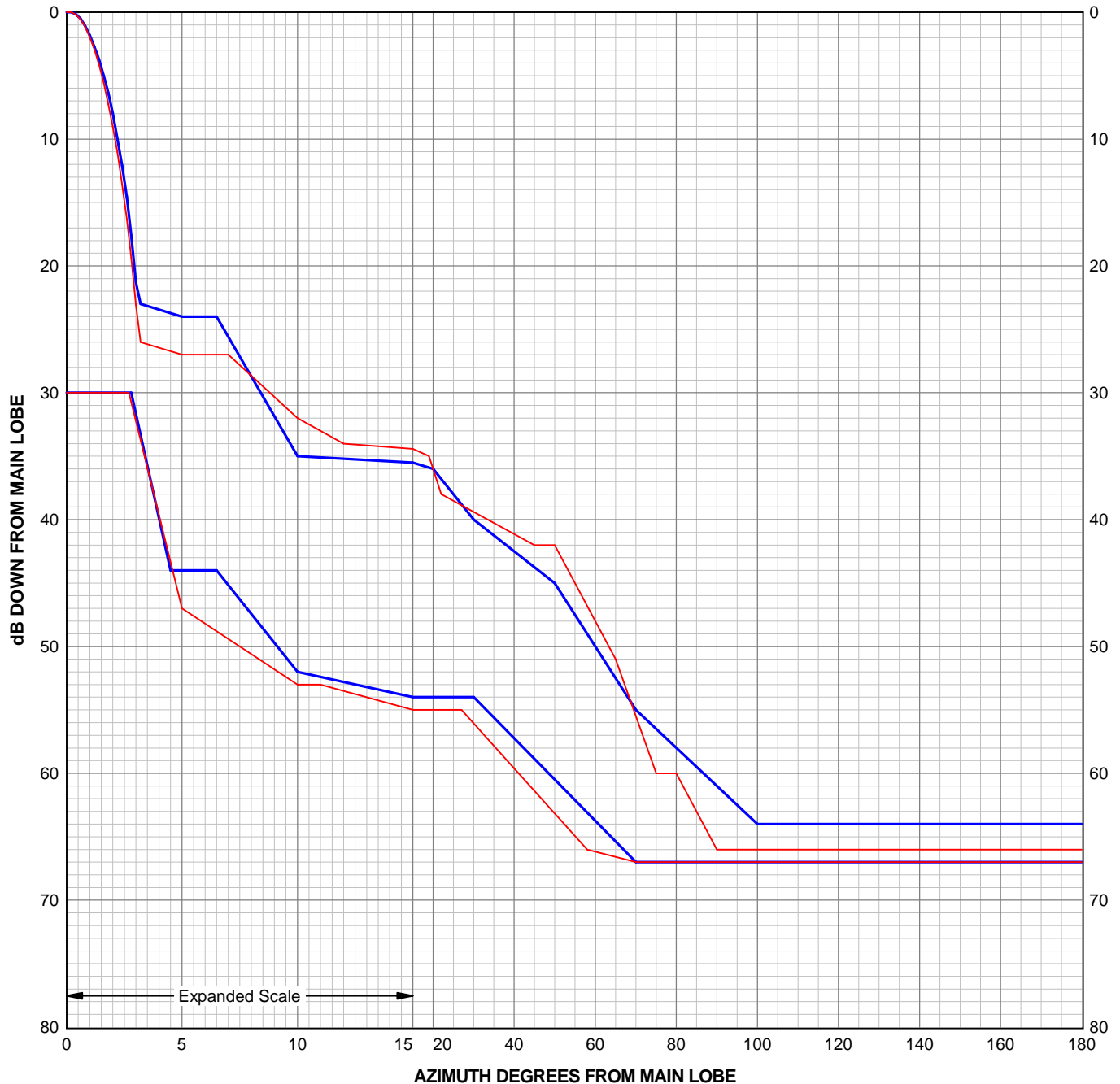
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".



RPE 7023B

Engineering Approved:
25 May 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
0.20	0.00	2.80	-30.00	0.20	0.00	2.70	-30.00
0.40	-0.16	4.50	-44.00	0.40	-0.18	5.00	-47.00
0.60	-0.49	6.50	-44.00	0.60	-0.56	10.00	-53.00
0.80	-1.09	10.00	-52.00	0.80	-1.14	11.00	-53.00
1.00	-1.83	15.00	-54.00	1.00	-1.98	15.00	-55.00
1.20	-2.70	30.00	-54.00	1.20	-2.91	27.00	-55.00
1.40	-3.71	70.00	-67.00	1.40	-4.13	58.00	-66.00
1.60	-4.99	180.00	-67.00	1.60	-5.54	70.00	-67.00
1.80	-6.36			1.80	-7.26	180.00	-67.00
2.00	-7.96			2.00	-9.03		
2.20	-10.01			2.20	-11.05		
2.40	-12.11			2.40	-13.61		
2.60	-14.57			2.60	-16.29		
2.80	-17.59			2.80	-19.36		
3.00	-21.32			3.00	-23.07		
3.20	-23.00			3.20	-26.00		
5.00	-24.00			5.00	-27.00		
6.50	-24.00			7.00	-27.00		
10.00	-35.00			10.00	-32.00		
20.00	-36.00			12.00	-34.00		
30.00	-40.00			19.00	-35.00		
50.00	-45.00			22.00	-38.00		
70.00	-55.00			45.00	-42.00		
100.00	-64.00			50.00	-42.00		
180.00	-64.00			65.00	-51.00		
				75.00	-60.00		
				80.00	-60.00		
				90.00	-66.00		
				180.00	-66.00		

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