

RADIATION PATTERN ENVELOPE

Antenna Type Number: VHLP4-13
4.00 Foot Antenna 12.700-13.250 GHz Single Polarized
Gain: 42.00 dBi at 12.975 GHz
— Envelope for a Horizontally Polarized Antenna (HH, HV)
— Envelope for a Vertically Polarized Antenna (VV, VH)

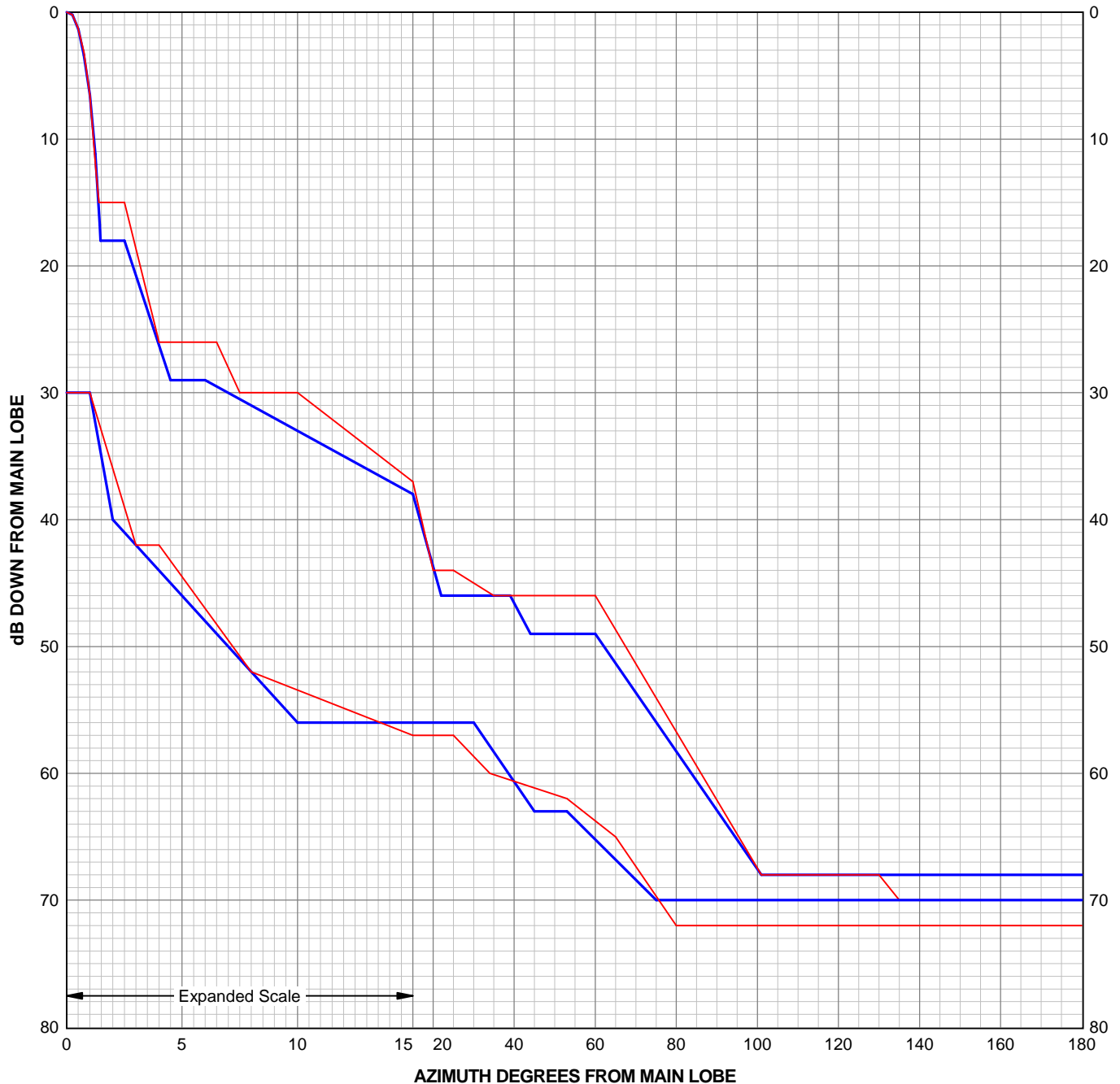
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".



RPE 7049C

Engineering Approved:
26 May 2014

ANDREW CORPORATION



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 RPE: 7049C
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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
0.25	-0.20	1.00	-30.00	0.25	-0.20	1.00	-30.00
0.51	-1.35	2.00	-40.00	0.49	-1.22	3.00	-42.00
0.75	-3.38	10.00	-56.00	0.74	-3.11	4.00	-42.00
1.00	-6.50	30.00	-56.00	1.00	-6.53	8.00	-52.00
1.24	-11.17	45.00	-63.00	1.26	-12.40	15.00	-57.00
1.43	-16.75	53.00	-63.00	1.40	-15.00	25.00	-57.00
1.47	-18.00	75.00	-70.00	2.50	-15.00	34.00	-60.00
2.50	-18.00	180.00	-70.00	4.00	-26.00	53.00	-62.00
4.50	-29.00			6.50	-26.00	65.00	-65.00
6.00	-29.00			7.50	-30.00	80.00	-72.00
15.00	-38.00			10.00	-30.00	180.00	-72.00
22.00	-46.00			20.00	-44.00		
39.00	-46.00			25.00	-44.00		
44.00	-49.00			35.00	-46.00		
60.00	-49.00			60.00	-46.00		
101.00	-68.00			101.00	-68.00		
180.00	-68.00			130.00	-68.00		
				135.00	-70.00		
				180.00	-70.00		

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