

RADIATION PATTERN ENVELOPE

Antenna Type Number: VHLP1-13
1.00 Foot Antenna 12.700-13.250 GHz Single Polarized
Gain: 30.90 dBi at 12.975 GHz
— Envelope for a Horizontally Polarized Antenna (HH, HV)
— Envelope for a Vertically Polarized Antenna (VV, VH)

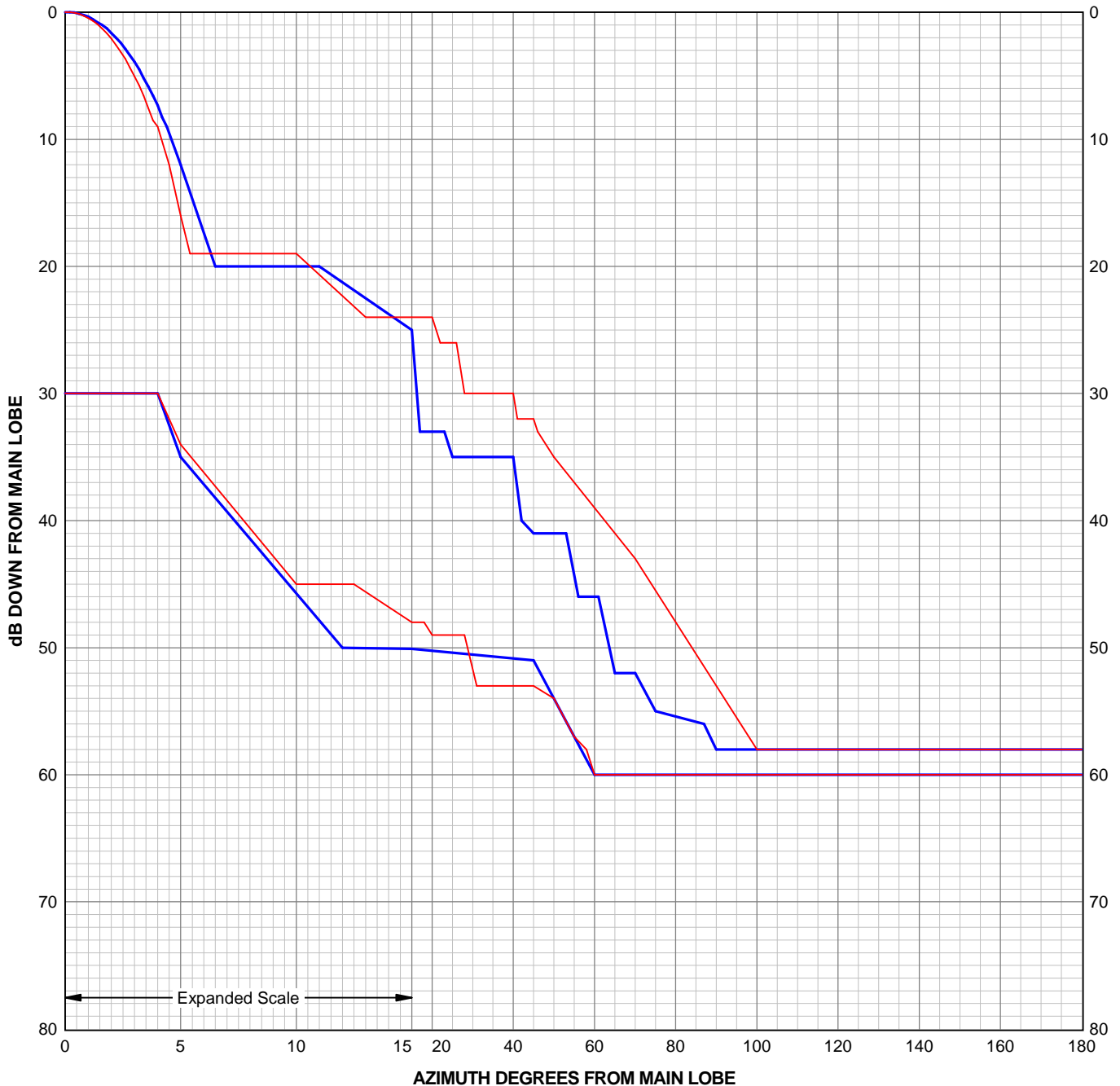
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".



RPE 7002C

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	4.00	-30.00	0.20	0.00	4.00	-30.00
0.40	-0.02	5.00	-35.00	0.40	-0.04	5.00	-34.00
0.60	-0.12	12.00	-50.00	0.60	-0.13	10.00	-45.00
0.80	-0.23	45.00	-51.00	0.80	-0.28	12.50	-45.00
1.00	-0.34	60.00	-60.00	1.00	-0.47	15.00	-48.00
1.20	-0.55	180.00	-60.00	1.20	-0.68	18.00	-48.00
1.40	-0.79			1.40	-0.94	20.00	-49.00
1.60	-1.00			1.60	-1.29	28.00	-49.00
1.80	-1.28			1.80	-1.66	31.00	-53.00
2.00	-1.64			2.00	-2.08	45.00	-53.00
2.20	-2.00			2.20	-2.59	50.00	-54.00
2.40	-2.39			2.40	-3.11	55.00	-57.00
2.60	-2.90			2.60	-3.67	58.00	-58.00
2.80	-3.38			2.80	-4.34	60.00	-60.00
3.00	-3.90			3.00	-5.05	180.00	-60.00
3.20	-4.49			3.20	-5.77		
3.40	-5.18			3.40	-6.57		
3.60	-5.85			3.60	-7.55		
3.80	-6.57			3.80	-8.51		
4.00	-7.33			4.00	-9.00		
4.20	-8.26			4.50	-12.00		
4.40	-9.00			5.00	-16.00		
5.00	-12.00			5.40	-19.00		
6.50	-20.00			10.00	-19.00		
11.00	-20.00			13.00	-24.00		
15.00	-25.00			20.00	-24.00		
17.00	-33.00			22.00	-26.00		
23.00	-33.00			26.00	-26.00		
25.00	-35.00			28.00	-30.00		
40.00	-35.00			40.00	-30.00		
42.00	-40.00			41.00	-32.00		
45.00	-41.00			45.00	-32.00		
53.00	-41.00			46.00	-33.00		
56.00	-46.00			50.00	-35.00		
61.00	-46.00			70.00	-43.00		
65.00	-52.00			100.00	-58.00		
70.00	-52.00			180.00	-58.00		
75.00	-55.00						
87.00	-56.00						
90.00	-58.00						
180.00	-58.00						

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