

RADIATION PATTERN ENVELOPE

Antenna Type Number: VHLP1-32

1.00 Foot Antenna 31.000-33.400 GHz Single 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)

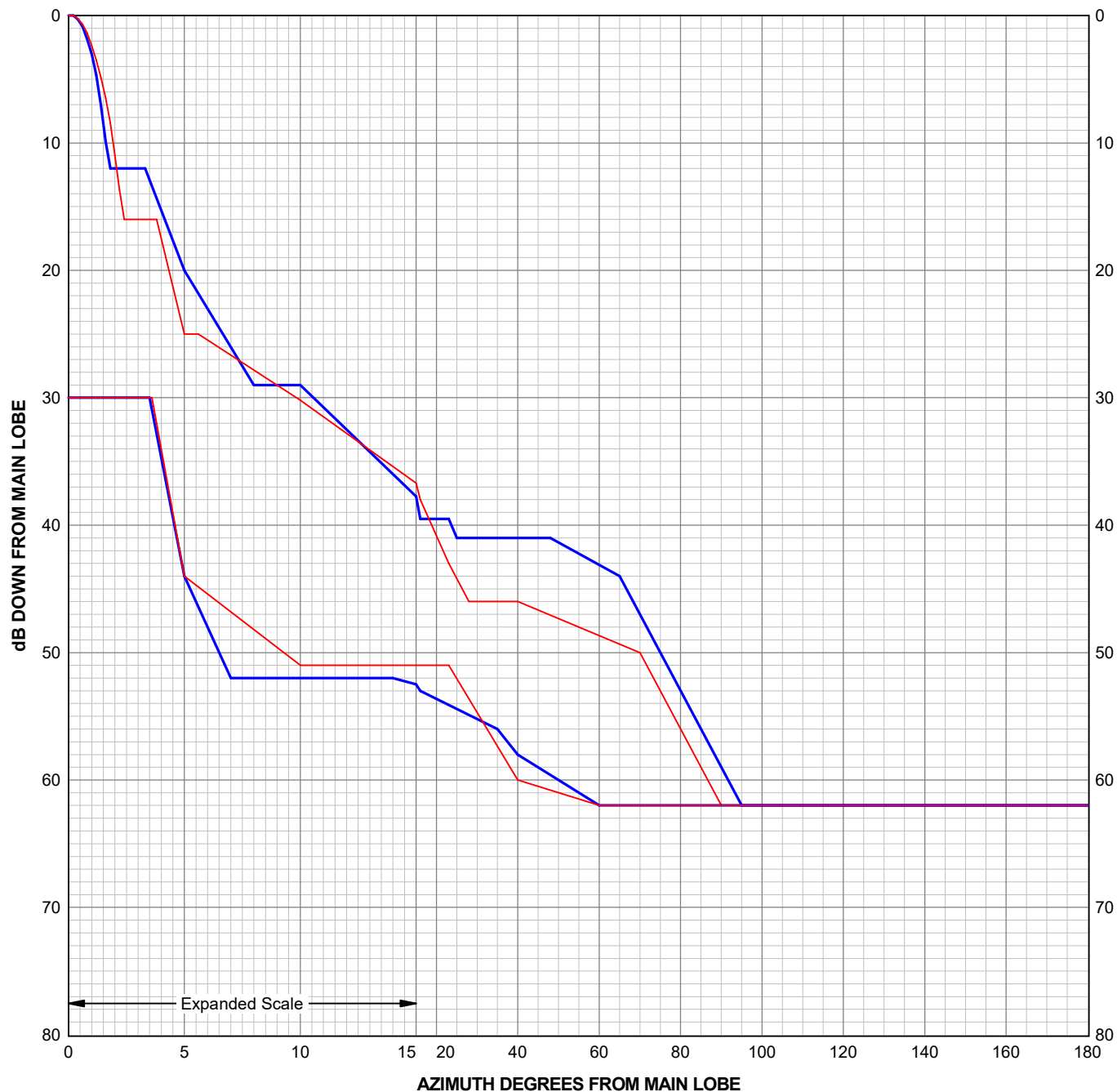
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".



RPE 7026C

Engineering Approved:
2 June 2025

ANDREW CORPORATION



Antenna Type Number: VHLP1-32
 1.00 Foot Antenna 31.000-33.400 GHz Single Polarized
 Gain: 38.90 dBi at 32.200 GHz
 RPE: 7026C
 Engineering Approved: 2 June 2025



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	-44.00	0.40	-0.25	5.00	-44.00
0.60	-0.85	7.00	-52.00	0.60	-0.68	10.00	-51.00
0.80	-1.84	14.00	-52.00	0.80	-1.37	23.00	-51.00
1.00	-3.06	16.00	-53.00	1.00	-2.41	40.00	-60.00
1.20	-4.67	35.00	-56.00	1.20	-3.51	60.00	-62.00
1.40	-7.08	40.00	-58.00	1.40	-4.88	180.00	-62.00
1.60	-9.91	60.00	-62.00	1.60	-6.48		
1.80	-12.00	180.00	-62.00	1.80	-8.45		
2.00	-12.00			2.00	-10.95		
3.30	-12.00			2.20	-13.70		
5.00	-20.00			2.40	-16.00		
8.00	-29.00			3.80	-16.00		
10.00	-29.00			5.00	-25.00		
16.00	-39.50			5.60	-25.00		
23.00	-39.50			10.00	-30.20		
25.00	-41.00			16.00	-38.00		
48.00	-41.00			23.00	-43.00		
65.00	-44.00			28.00	-46.00		
95.00	-62.00			40.00	-46.00		
180.00	-62.00			70.00	-50.00		
				90.00	-62.00		
				180.00	-62.00		

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