

RADIATION PATTERN ENVELOPE

Antenna Type Number: VHLPX1-15

1.00 Foot Antenna 14.400-15.350 GHz Dual Polarized

Gain: 32.70 dBi at 14.875 GHz

— Envelope for a Horizontally Polarized Antenna (HH, HV)

— Envelope for a Vertically Polarized Antenna (VV, VH)

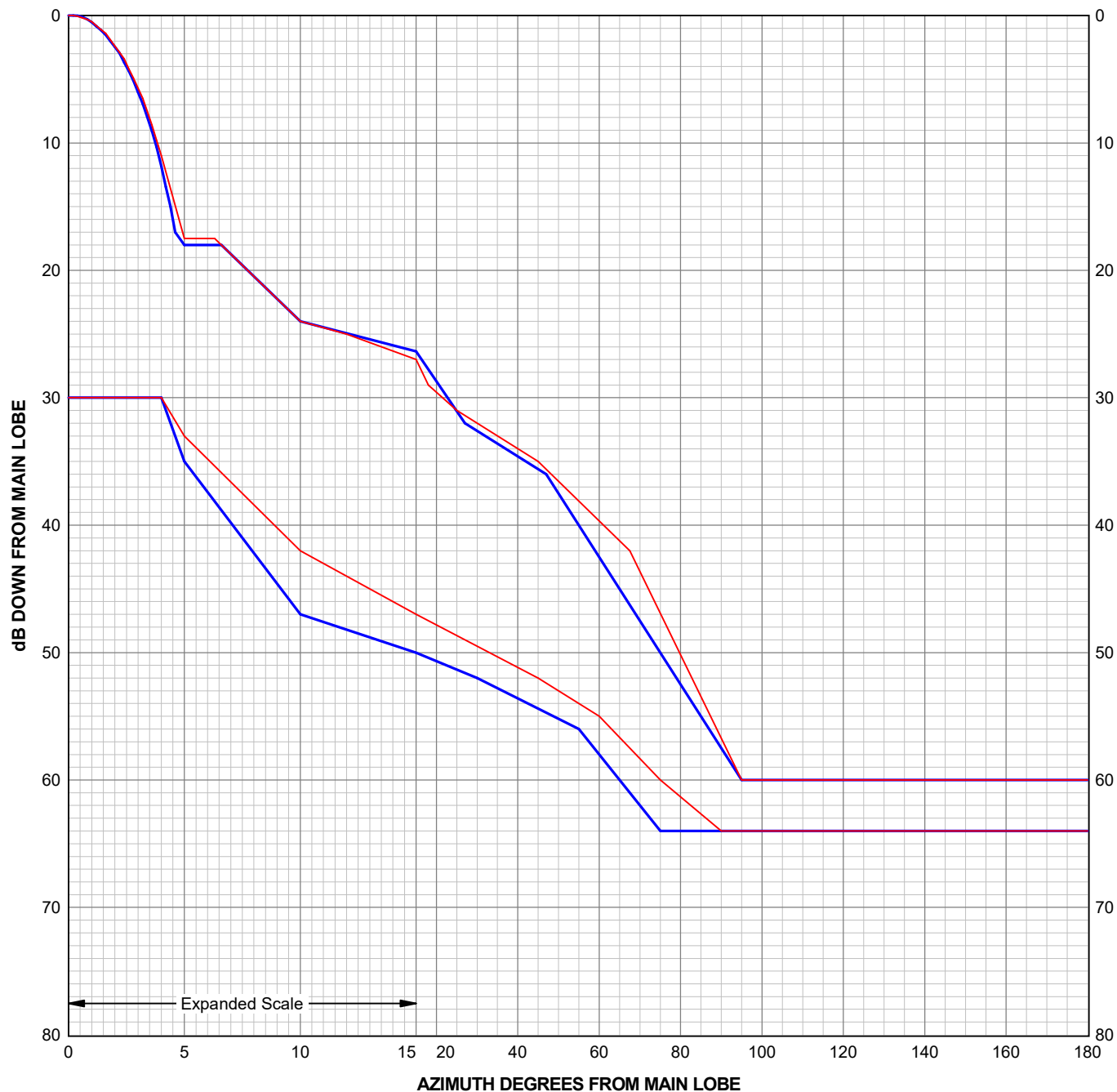
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".



RPE 7007D

Engineering Approved:
10 June 2025

ANDREW CORPORATION



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 RPE: 7007D
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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	-0.03	5.00	-35.00	0.40	-0.07	5.00	-33.00
0.60	-0.13	10.00	-47.00	0.60	-0.19	10.00	-42.00
0.80	-0.28	15.00	-50.00	0.80	-0.30	15.00	-47.00
1.00	-0.53	30.00	-52.00	1.00	-0.50	45.00	-52.00
1.20	-0.84	55.00	-56.00	1.20	-0.80	60.00	-55.00
1.40	-1.15	75.00	-64.00	1.40	-1.10	75.00	-60.00
1.60	-1.52	180.00	-64.00	1.60	-1.40	90.00	-64.00
1.80	-2.00			1.80	-1.90	180.00	-64.00
2.00	-2.47			2.00	-2.40		
2.20	-2.96			2.20	-2.90		
2.40	-3.69			2.40	-3.40		
2.60	-4.36			2.60	-4.20		
2.80	-5.10			2.80	-4.90		
3.00	-6.03			3.00	-5.70		
3.20	-6.94			3.20	-6.50		
3.40	-7.96			3.40	-7.50		
3.60	-9.06			3.60	-8.60		
3.80	-10.34			3.80	-9.80		
4.00	-11.84			4.00	-11.00		
4.20	-13.44			5.00	-17.50		
4.40	-15.00			6.30	-17.50		
4.60	-17.00			10.00	-24.00		
5.00	-18.00			12.00	-25.00		
6.60	-18.00			18.00	-29.00		
10.00	-24.00			25.00	-31.00		
27.00	-32.00			45.00	-35.00		
47.00	-36.00			67.50	-42.00		
95.00	-60.00			95.00	-60.00		
180.00	-60.00			180.00	-60.00		

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