

RADIATION PATTERN ENVELOPE

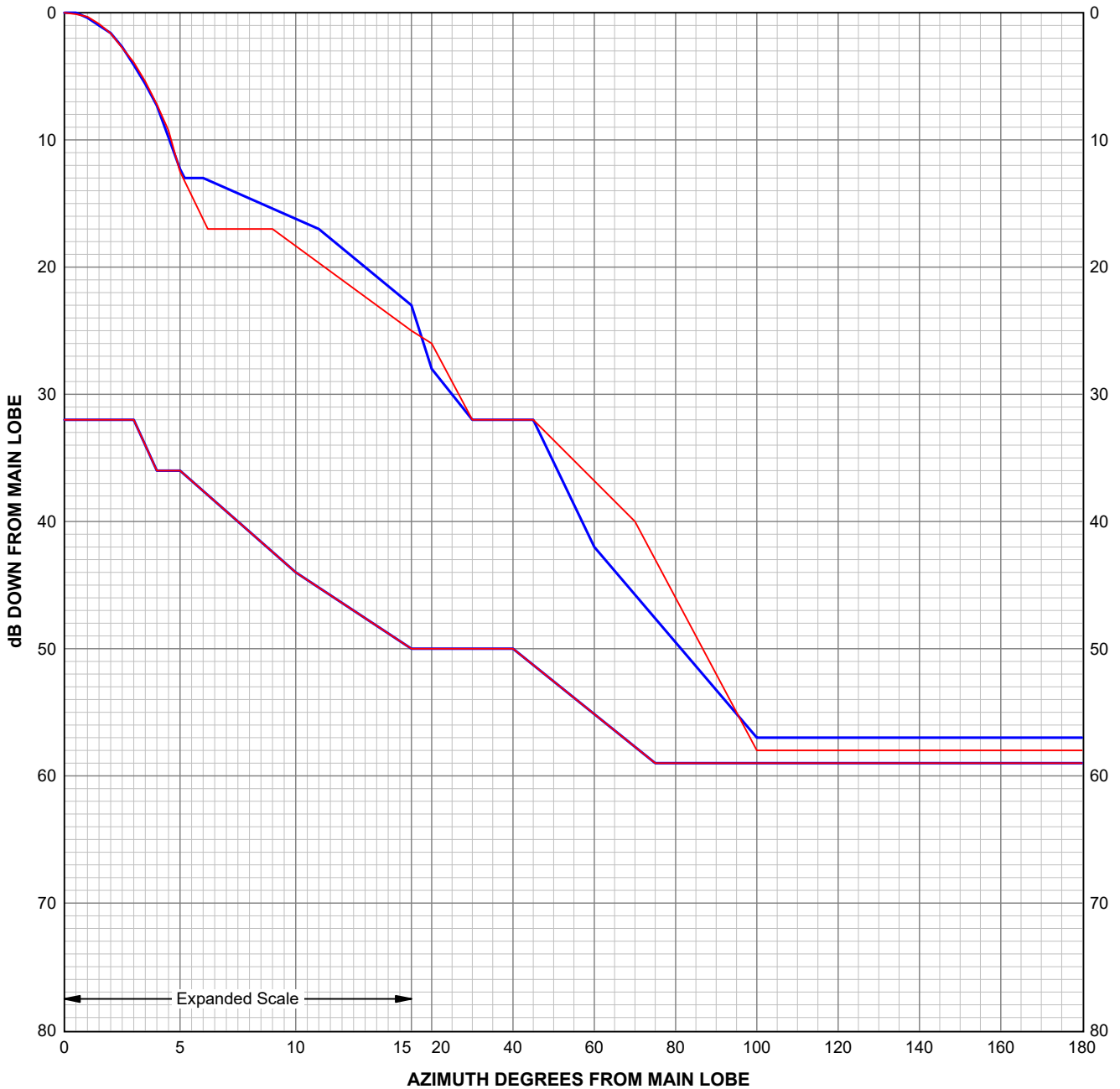
Antenna Type Number: VHLP2-7W/D
2.00 Foot Antenna 7.100-8.500 GHz Single Polarized
Gain: 31.10 dBi at 7.800 GHz
— Envelope for a Horizontally Polarized Antenna (HH, HV)
— Envelope for a Vertically Polarized Antenna (VV, VH)
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".



RPE 7199D

Engineering Approved:
14 May 2021

ANDREW CORPORATION



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 Gain: 31.10 dBi at 7.800 GHz
 RPE: 7199D
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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	-32.00	0.00	0.00	0.00	-32.00
0.50	0.00	3.00	-32.00	0.50	-0.11	3.00	-32.00
1.00	-0.40	4.00	-36.00	1.00	-0.32	4.00	-36.00
1.50	-1.00	5.00	-36.00	1.50	-0.87	5.00	-36.00
2.00	-1.60	10.00	-44.00	2.00	-1.62	10.00	-44.00
2.50	-2.70	15.00	-50.00	2.50	-2.76	15.00	-50.00
3.00	-4.10	40.00	-50.00	3.00	-3.90	40.00	-50.00
3.50	-5.60	75.00	-59.00	3.50	-5.41	75.00	-59.00
4.00	-7.30	180.00	-59.00	4.00	-7.20	180.00	-59.00
4.50	-9.80			4.50	-9.26		
5.00	-12.30			5.00	-12.50		
5.20	-13.00			6.20	-17.00		
6.00	-13.00			9.00	-17.00		
11.00	-17.00			15.00	-25.00		
15.00	-23.00			20.00	-26.00		
20.00	-28.00			30.00	-32.00		
30.00	-32.00			45.00	-32.00		
45.00	-32.00			70.00	-40.00		
60.00	-42.00			100.00	-58.00		
100.00	-57.00			180.00	-58.00		
180.00	-57.00						

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

ANDREW CORPORATION
 10500 W. 153rd Street
 Orland Park, IL. U.S.A 60462

Corporate Web Site: <http://www.andrew.com>
 Customer Service Center: 1-800-255-1479