

RADIATION PATTERN ENVELOPE

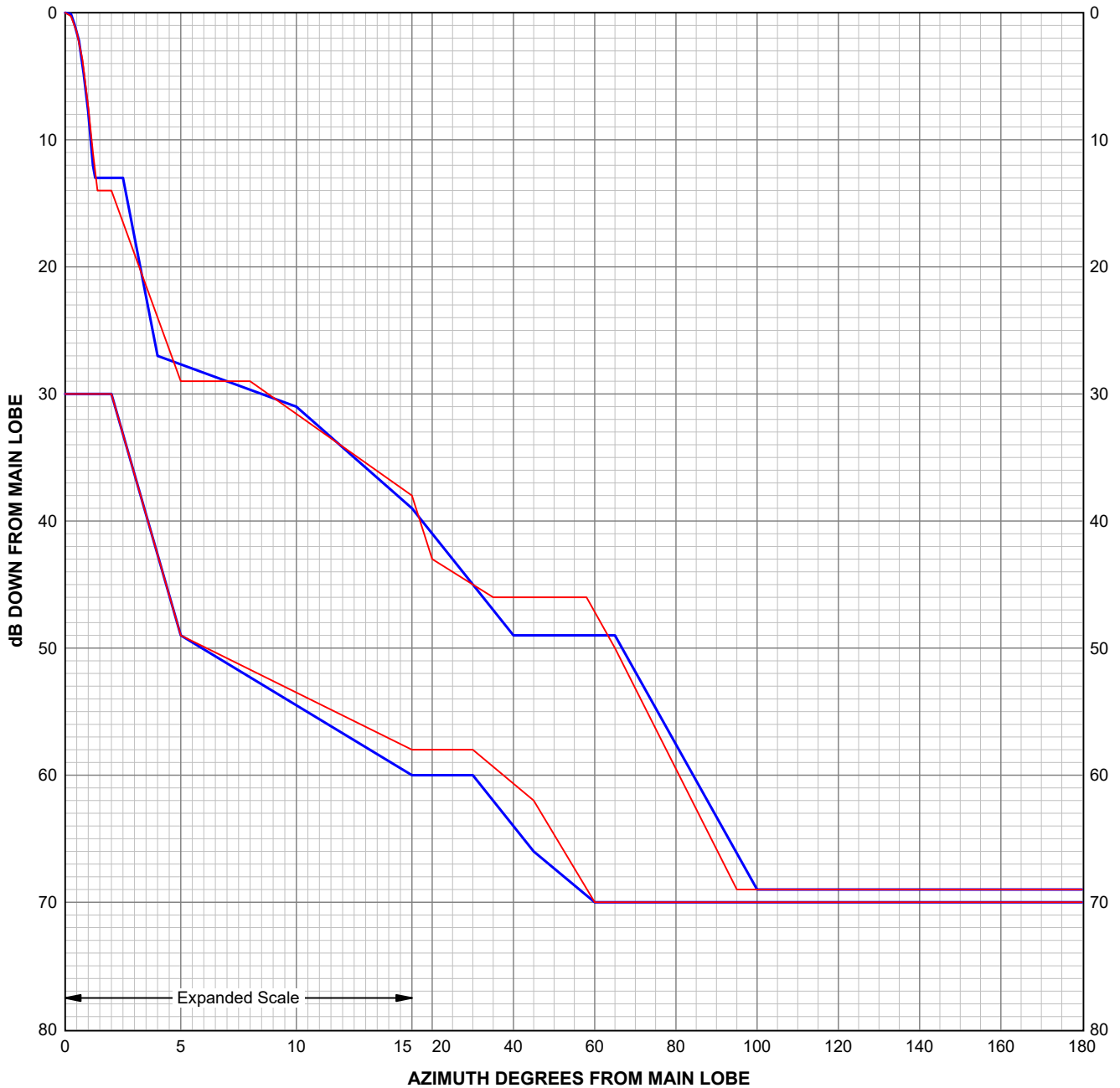
Antenna Type Number: VHLPX2-28/D
2.00 Foot Antenna 27.500-29.500 GHz Dual Polarized
Gain: 42.80 dBi at 28.500 GHz
— Envelope for a Horizontally Polarized Antenna (HH, HV)
— Envelope for a Vertically Polarized Antenna (VV, VH)
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".



RPE 7219D

Engineering Approved:
6 May 2021

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
0.25	-0.10	2.00	-30.00	0.25	-0.27	2.00	-30.00
0.40	-0.90	5.00	-49.00	0.50	-1.50	5.00	-49.00
0.60	-2.20	15.00	-60.00	0.75	-3.70	15.00	-58.00
0.80	-4.80	30.00	-60.00	1.00	-7.40	30.00	-58.00
1.00	-7.80	45.00	-66.00	1.20	-11.00	45.00	-62.00
1.20	-12.00	60.00	-70.00	1.40	-14.00	60.00	-70.00
1.30	-13.00	180.00	-70.00	2.00	-14.00	180.00	-70.00
2.50	-13.00			5.00	-29.00		
4.00	-27.00			8.00	-29.00		
10.00	-31.00			15.00	-38.00		
15.00	-39.00			20.00	-43.00		
25.00	-43.00			35.00	-46.00		
40.00	-49.00			58.00	-46.00		
65.00	-49.00			65.00	-50.00		
100.00	-69.00			95.00	-69.00		
180.00	-69.00			180.00	-69.00		

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

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