

RADIATION PATTERN ENVELOPE

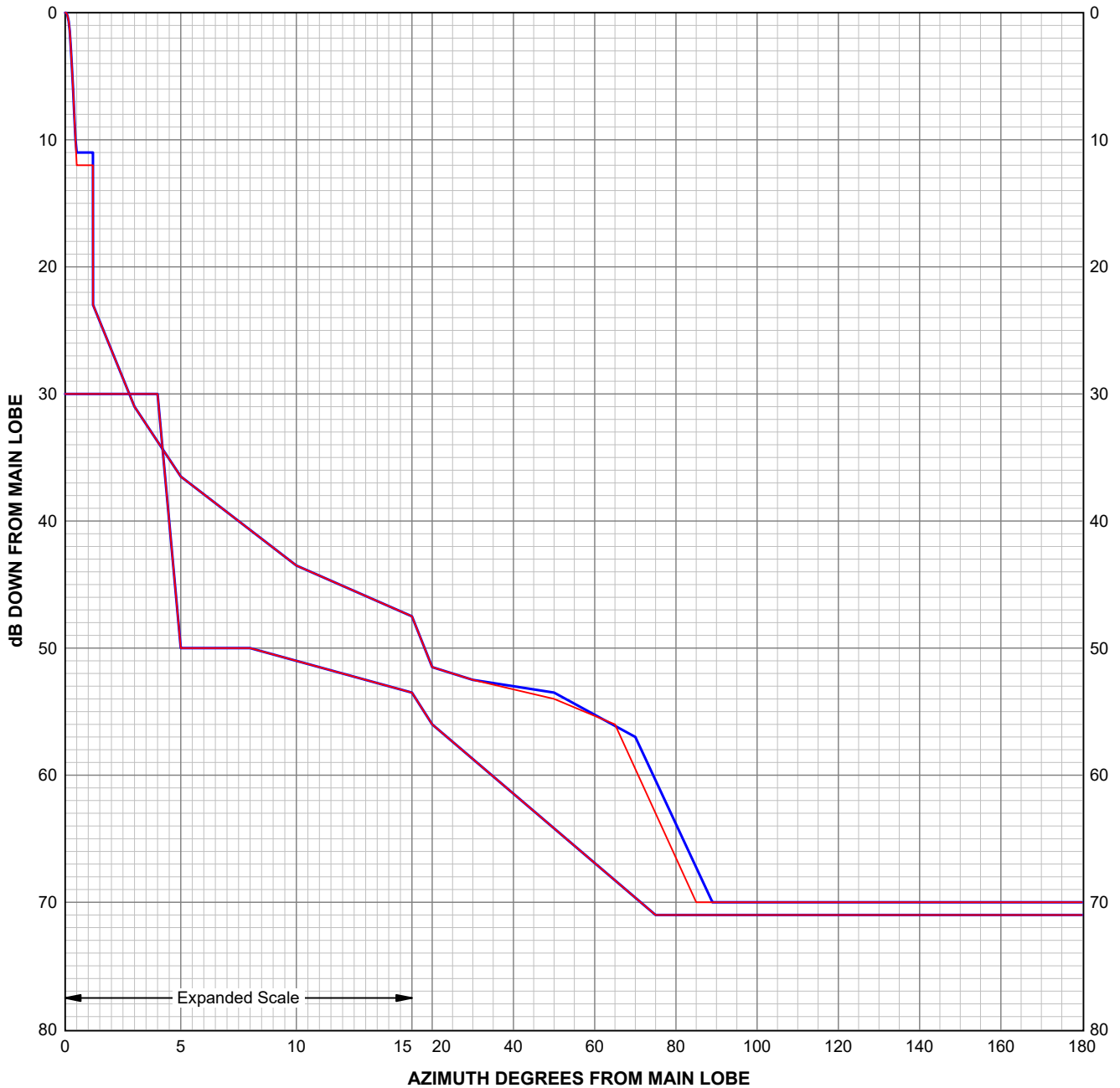
Antenna Type Number: VHLPX2-80/B
2.00 Foot Antenna 71.000-86.000 GHz Dual Polarized
Gain: 50.75 dBi at 78.500 GHz
— Envelope for a Horizontally Polarized Antenna (HH, HV)
— Envelope for a Vertically Polarized Antenna (VV, VH)
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".



RPE 7332B

Engineering Approved:
18 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
0.05	-0.01	4.00	-30.00	0.05	-0.01	4.00	-30.00
0.10	-0.22	5.00	-50.00	0.10	-0.22	5.00	-50.00
0.15	-0.67	8.00	-50.00	0.15	-0.67	8.00	-50.00
0.20	-1.43	10.00	-51.00	0.20	-1.43	10.00	-51.00
0.25	-2.92	20.00	-56.00	0.25	-2.92	20.00	-56.00
0.30	-4.43	75.00	-71.00	0.30	-4.43	75.00	-71.00
0.35	-6.24	180.00	-71.00	0.35	-6.24	180.00	-71.00
0.40	-8.29			0.40	-8.29		
0.45	-10.00			0.45	-10.00		
0.50	-11.00			0.50	-12.00		
1.20	-11.00			1.20	-12.00		
1.21	-23.00			1.21	-23.00		
3.00	-31.00			3.00	-31.00		
5.00	-36.50			5.00	-36.50		
10.00	-43.50			10.00	-43.50		
20.00	-51.50			20.00	-51.50		
30.00	-52.50			30.00	-52.50		
50.00	-53.50			50.00	-54.00		
70.00	-57.00			65.00	-56.00		
89.00	-70.00			85.00	-70.00		
180.00	-70.00			180.00	-70.00		

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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