

RADIATION PATTERN ENVELOPE

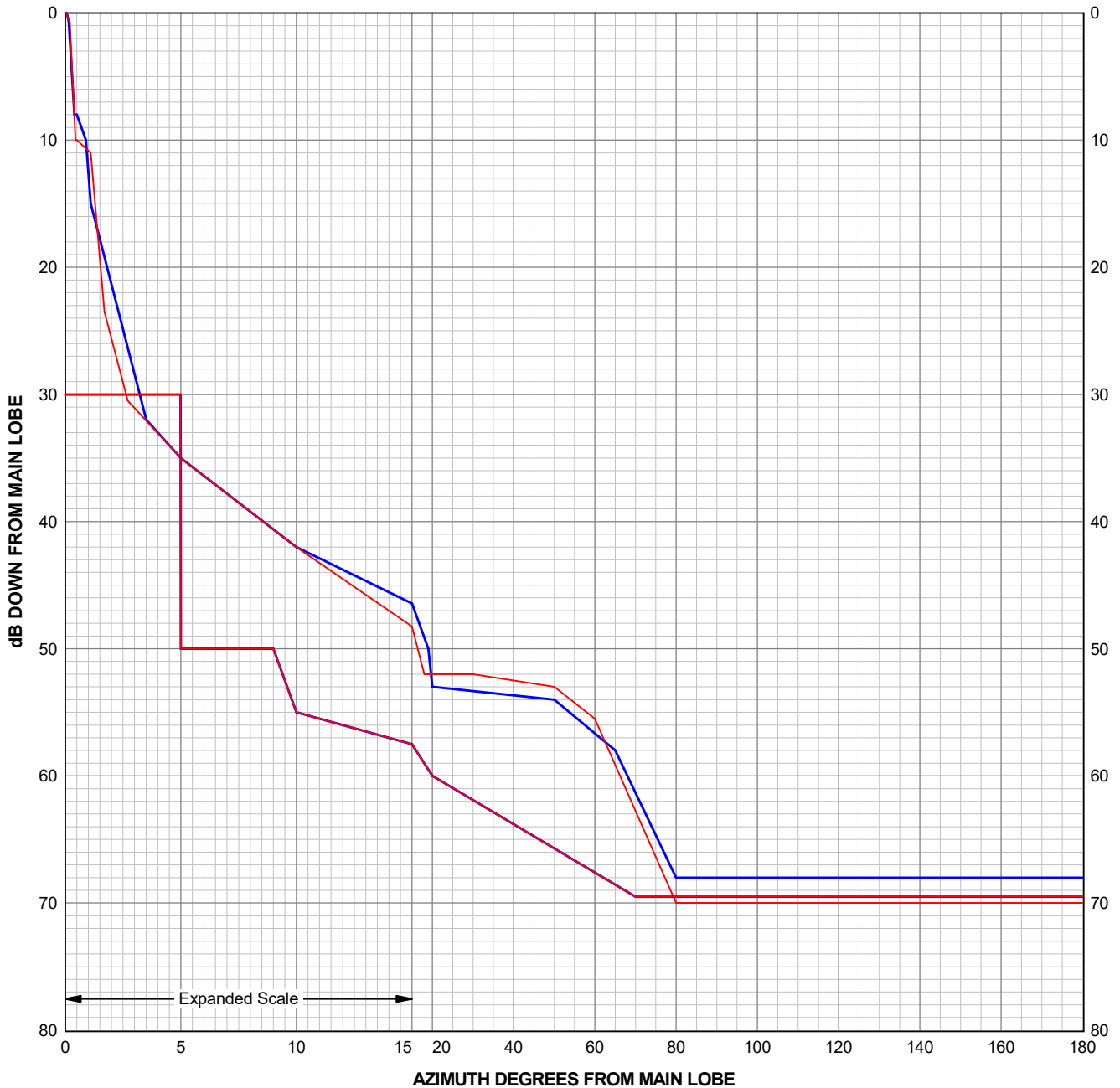
Antenna Type Number: VHLP2-(X)80(X)15
2.00 Foot Antenna 71.000-86.000 GHz Dual Polarized
Gain: 49.70 dBi at 78.500 GHz
— Envelope for a Horizontally Polarized Antenna (HH, HV)
— Envelope for a Vertically Polarized Antenna (VV, VH)
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".



RPE 7446

Engineering Approved:
8 October 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	4.99	-30.00	0.05	-0.01	4.99	-30.00
0.10	-0.22	5.00	-50.00	0.10	-0.30	5.00	-50.00
0.15	-0.67	9.00	-50.00	0.20	-0.70	9.00	-50.00
0.40	-8.00	10.00	-55.00	0.45	-10.00	10.00	-55.00
0.50	-8.00	20.00	-60.00	0.50	-10.00	20.00	-60.00
0.90	-10.00	70.00	-69.50	1.10	-11.00	70.00	-69.50
1.10	-15.00	180.00	-69.50	1.70	-23.50	180.00	-69.50
3.50	-32.00			2.70	-30.50		
5.00	-35.00			5.00	-35.00		
10.00	-42.00			10.00	-42.00		
19.00	-50.00			18.00	-52.00		
20.00	-53.00			30.00	-52.00		
50.00	-54.00			50.00	-53.00		
65.00	-58.00			60.00	-55.50		
80.00	-68.00			80.00	-70.00		
180.00	-68.00			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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