RADIATION PATTERN ENVELOPE

Antenna Type Number: VHLP2-18/D
2.00 Foot Antenna 17.700-19.700 GHz Single Polarized
Gain: 39.00 dBi at 18.700 GHz
Envelope for a Horizontally Polarized Antenna (HH, HV)
Envelope for a Vertically Polarized Antenna (VV, VH)

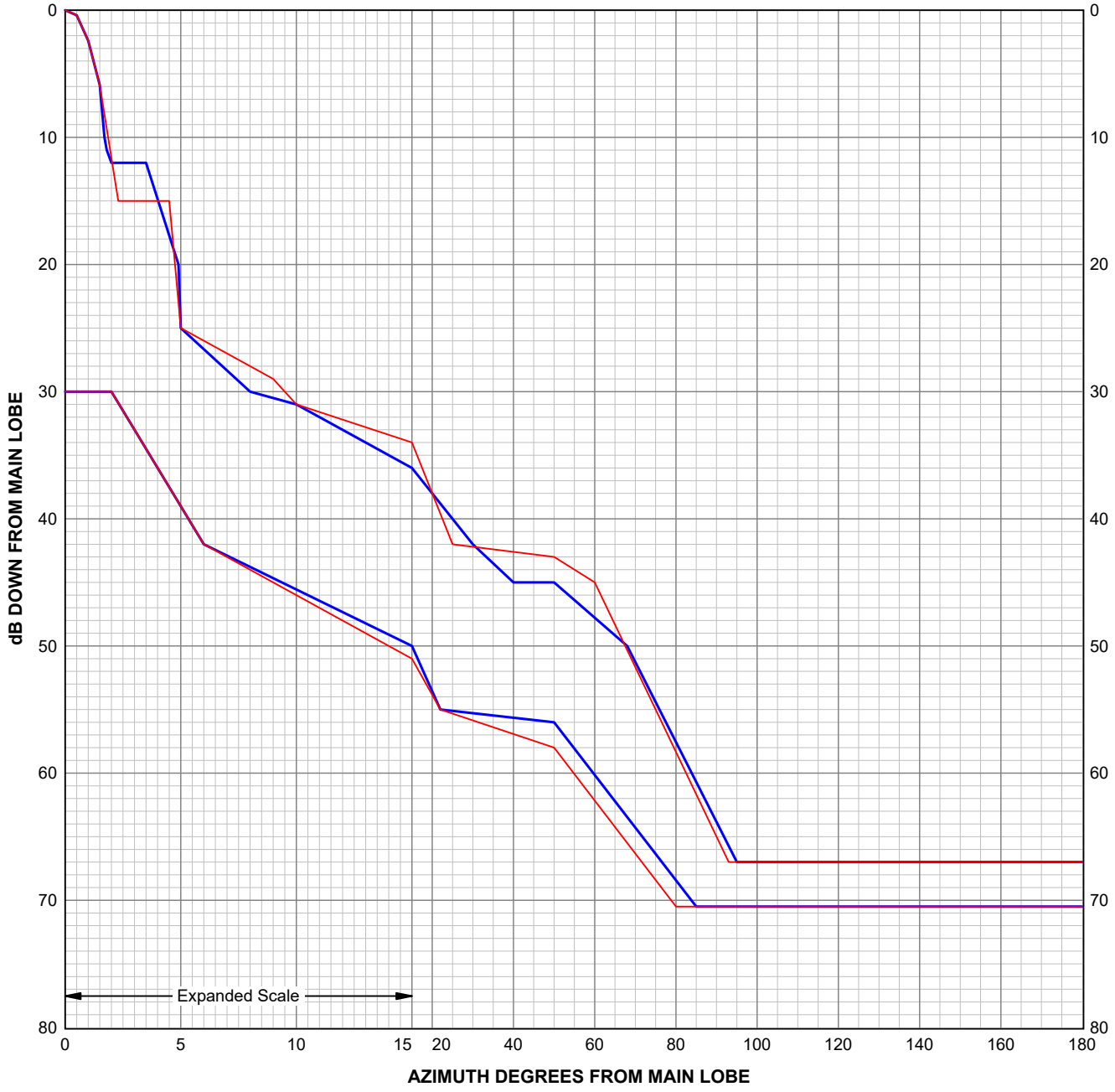
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".

ANDREW CORPORATION

ANDREW®

RPE 7204D

Engineering Approved:
19 May 2021



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H/H		H/V		V/V		V/H	
Angle	**dB**	**Angle**	**dB**	**Angle**	**dB**	**Angle**	**dB**
0.00	0.00	0.00	-30.00	0.00	0.00	0.00	-30.00
0.50	-0.40	2.00	-30.00	0.50	-0.40	2.00	-30.00
1.00	-2.40	6.00	-42.00	1.00	-2.40	6.00	-42.00
1.50	-5.90	15.00	-50.00	1.50	-5.90	15.00	-51.00
1.70	-10.00	22.00	-55.00	2.30	-15.00	22.00	-55.00
1.80	-11.00	50.00	-56.00	4.50	-15.00	50.00	-58.00
2.00	-12.00	85.00	-70.50	5.00	-25.00	80.00	-70.50
3.50	-12.00	180.00	-70.50	8.00	-28.00	180.00	-70.50
4.90	-20.00			9.00	-29.00		
5.00	-25.00			10.00	-31.00		
8.00	-30.00			15.00	-34.00		
10.00	-31.00			25.00	-42.00		
15.00	-36.00			50.00	-43.00		
30.00	-42.00			60.00	-45.00		
40.00	-45.00			93.00	-67.00		
50.00	-45.00			180.00	-67.00		
68.00	-50.00						
95.00	-67.00						
180.00	-67.00						

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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