RADIATION PATTERN ENVELOPE

Antenna Type Number: VHLP3-23
3.00 Foot Antenna 21.200-23.600 GHz Single Polarized
Gain: 44.80 dBi at 22.400 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

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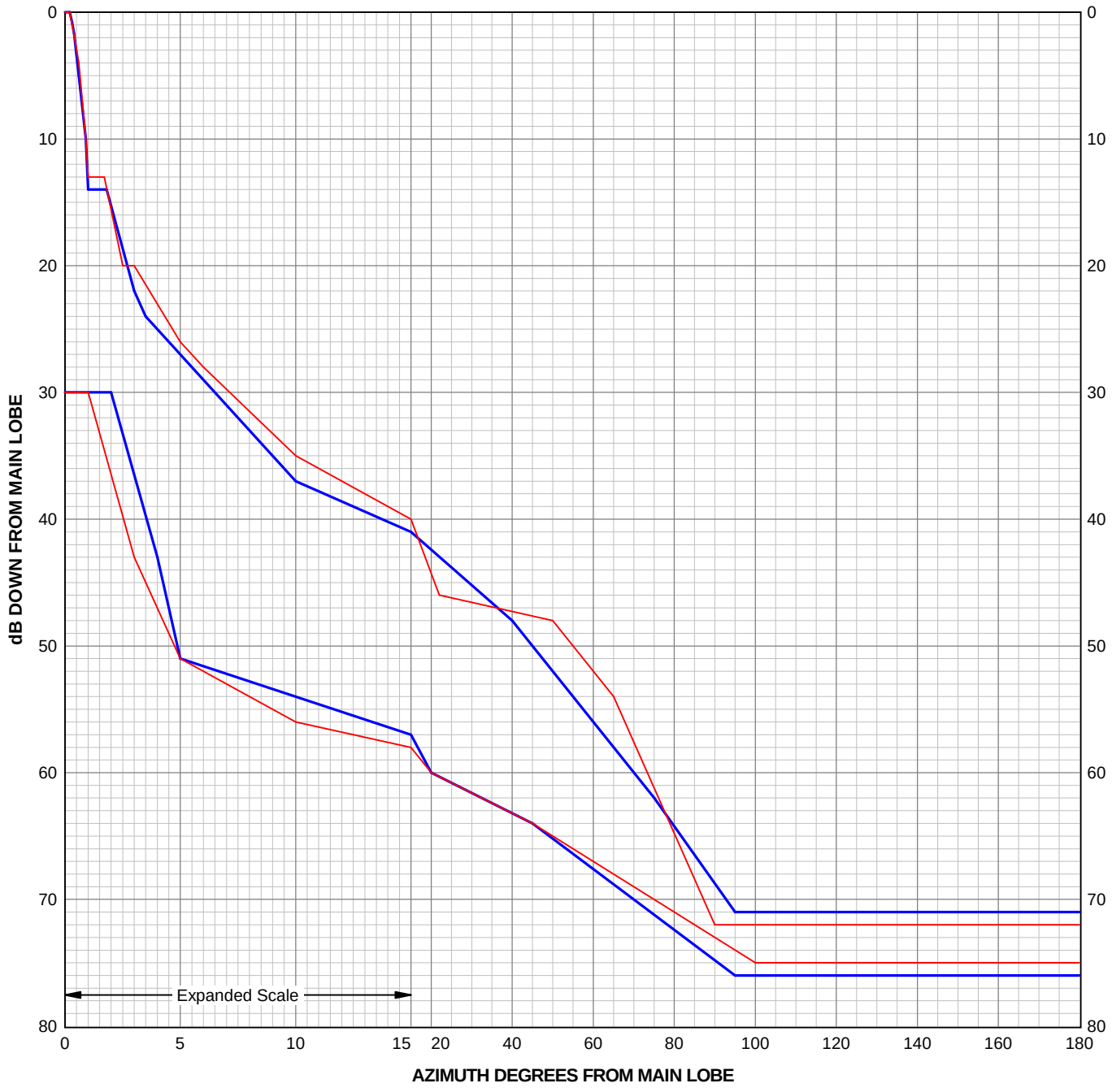
RPE 7154A

Engineering Approved:
29 April 2015



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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
0.20	0.00	2.00	-30.00	0.20	0.00	1.00	-30.00
0.30	-0.80	4.00	-43.00	0.40	-1.80	3.00	-43.00
0.40	-1.70	5.00	-51.00	0.60	-4.00	5.00	-51.00
0.60	-5.00	20.00	-60.00	0.90	-10.00	10.00	-56.00
0.90	-10.00	45.00	-64.00	1.00	-13.00	20.00	-60.00
1.00	-14.00	95.00	-76.00	1.70	-13.00	45.00	-64.00
1.80	-14.00	180.00	-76.00	2.50	-20.00	100.00	-75.00
3.00	-22.00			3.00	-20.00	180.00	-75.00
3.50	-24.00			5.00	-26.00		
10.00	-37.00			6.00	-28.00		
15.00	-41.00			10.00	-35.00		
40.00	-48.00			15.00	-40.00		
75.00	-62.00			22.00	-46.00		
95.00	-71.00			50.00	-48.00		
180.00	-71.00			65.00	-54.00		
				90.00	-72.00		
				180.00	-72.00		

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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