RADIATION PATTERN ENVELOPE

Antenna Type Number: VHLPX3-13
3.00 Foot Antenna 12.700-13.250 GHz Dual Polarized
Gain: 40.00 dBi at 12.975 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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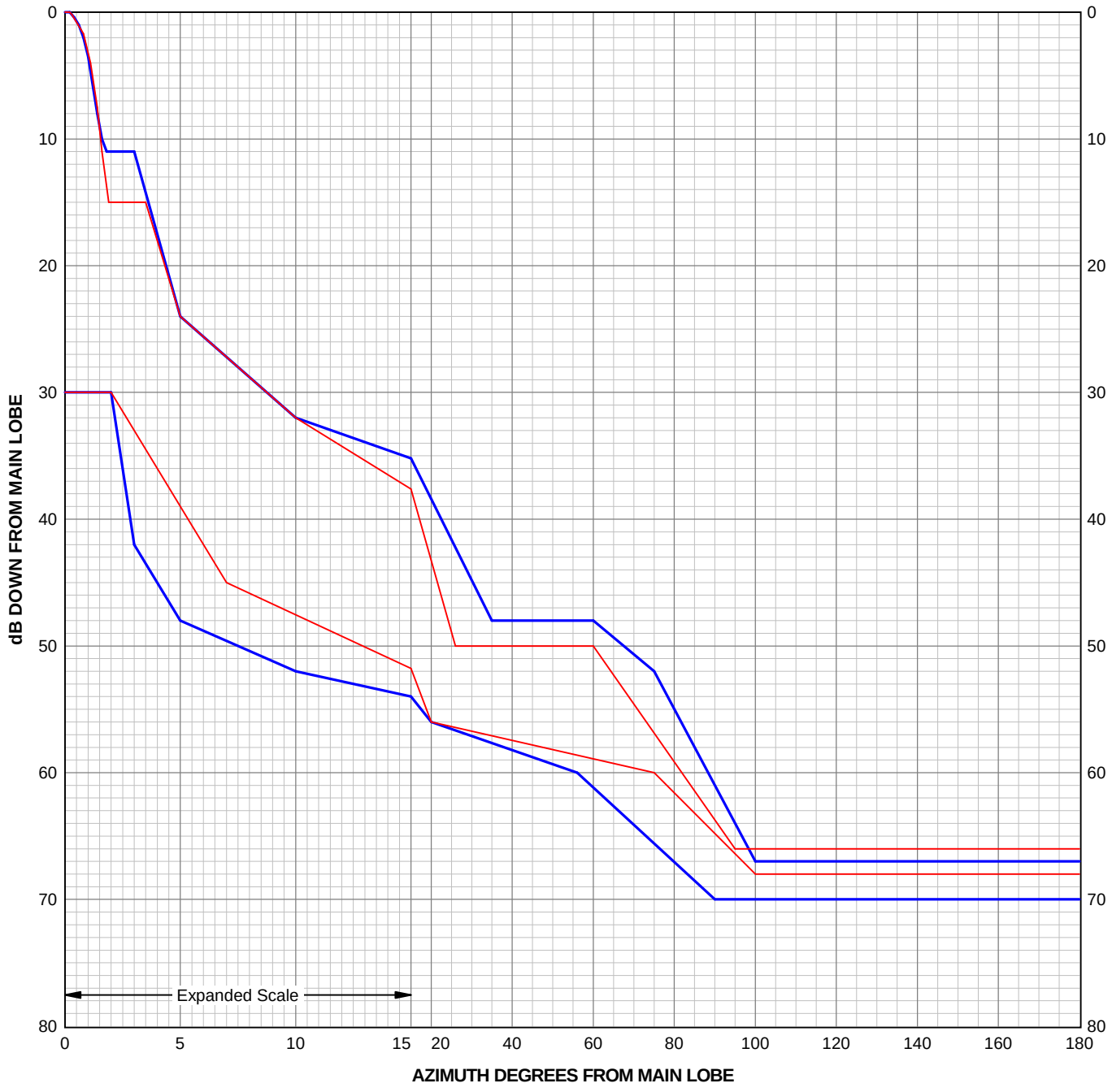
RPE 7181A

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	2.00	-30.00
0.40	-0.40	3.00	-42.00	0.30	-0.20	7.00	-45.00
0.60	-1.00	5.00	-48.00	0.80	-1.70	20.00	-56.00
0.80	-2.00	10.00	-52.00	1.10	-4.00	75.00	-60.00
1.00	-3.50	20.00	-56.00	1.40	-7.50	100.00	-68.00
1.40	-8.00	56.00	-60.00	1.60	-11.00	180.00	-68.00
1.60	-10.00	90.00	-70.00	1.90	-15.00		
1.80	-11.00	180.00	-70.00	3.50	-15.00		
3.00	-11.00			5.00	-24.00		
5.00	-24.00			10.00	-32.00		
10.00	-32.00			26.00	-50.00		
35.00	-48.00			60.00	-50.00		
60.00	-48.00			95.00	-66.00		
75.00	-52.00			180.00	-66.00		
100.00	-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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