RADIATION PATTERN ENVELOPE

Antenna Type Number: VHLPX4-15
4.00 Foot Antenna 14.400-15.350 GHz Dual Polarized
Gain: 43.20 dBi at 14.875 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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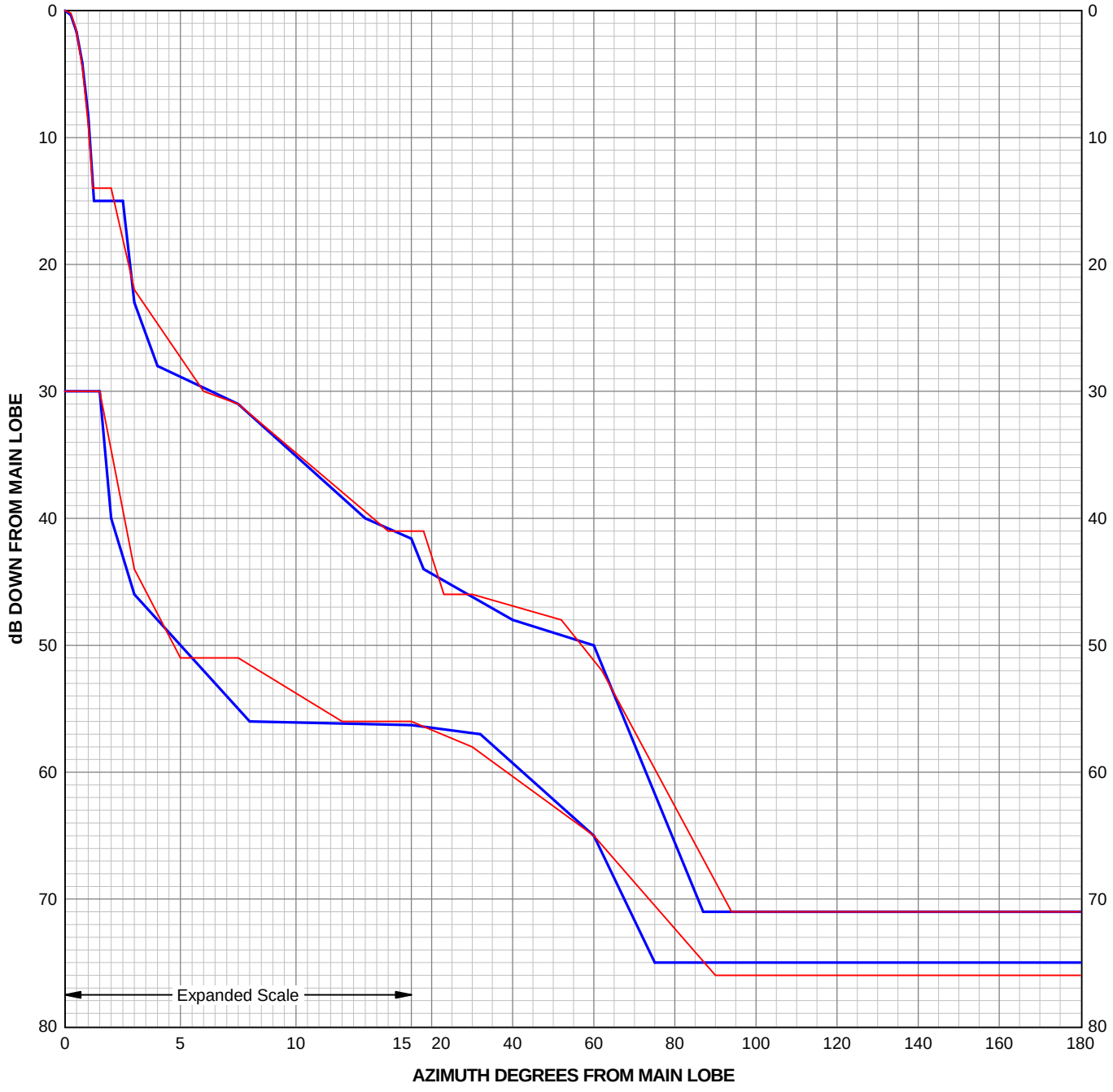
RPE 7056C

Engineering Approved:
26 May 2014



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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
0.25	-0.34	1.50	-30.00	0.25	-0.20	1.50	-30.00
0.50	-1.69	2.00	-40.00	0.49	-1.56	3.00	-44.00
0.75	-4.13	3.00	-46.00	0.76	-4.53	5.00	-51.00
1.00	-8.26	8.00	-56.00	1.00	-9.00	7.50	-51.00
1.25	-15.00	32.00	-57.00	1.13	-12.00	12.00	-56.00
2.50	-15.00	60.00	-65.00	1.20	-14.00	15.00	-56.00
3.00	-23.00	75.00	-75.00	2.00	-14.00	30.00	-58.00
4.00	-28.00	180.00	-75.00	3.00	-22.00	60.00	-65.00
7.50	-31.00			6.00	-30.00	90.00	-76.00
13.00	-40.00			7.50	-31.00	180.00	-76.00
18.00	-44.00			14.00	-41.00		
40.00	-48.00			18.00	-41.00		
60.00	-50.00			23.00	-46.00		
87.00	-71.00			30.00	-46.00		
180.00	-71.00			52.00	-48.00		
				62.00	-52.00		
				94.00	-71.00		
				180.00	-71.00		

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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