RADIATION PATTERN ENVELOPE

Antenna Type Number: VHLPX6-7W
6.00 Foot Antenna 7.125-8.500 GHz Dual Polarized
Gain: 40.80 dBi at 7.813 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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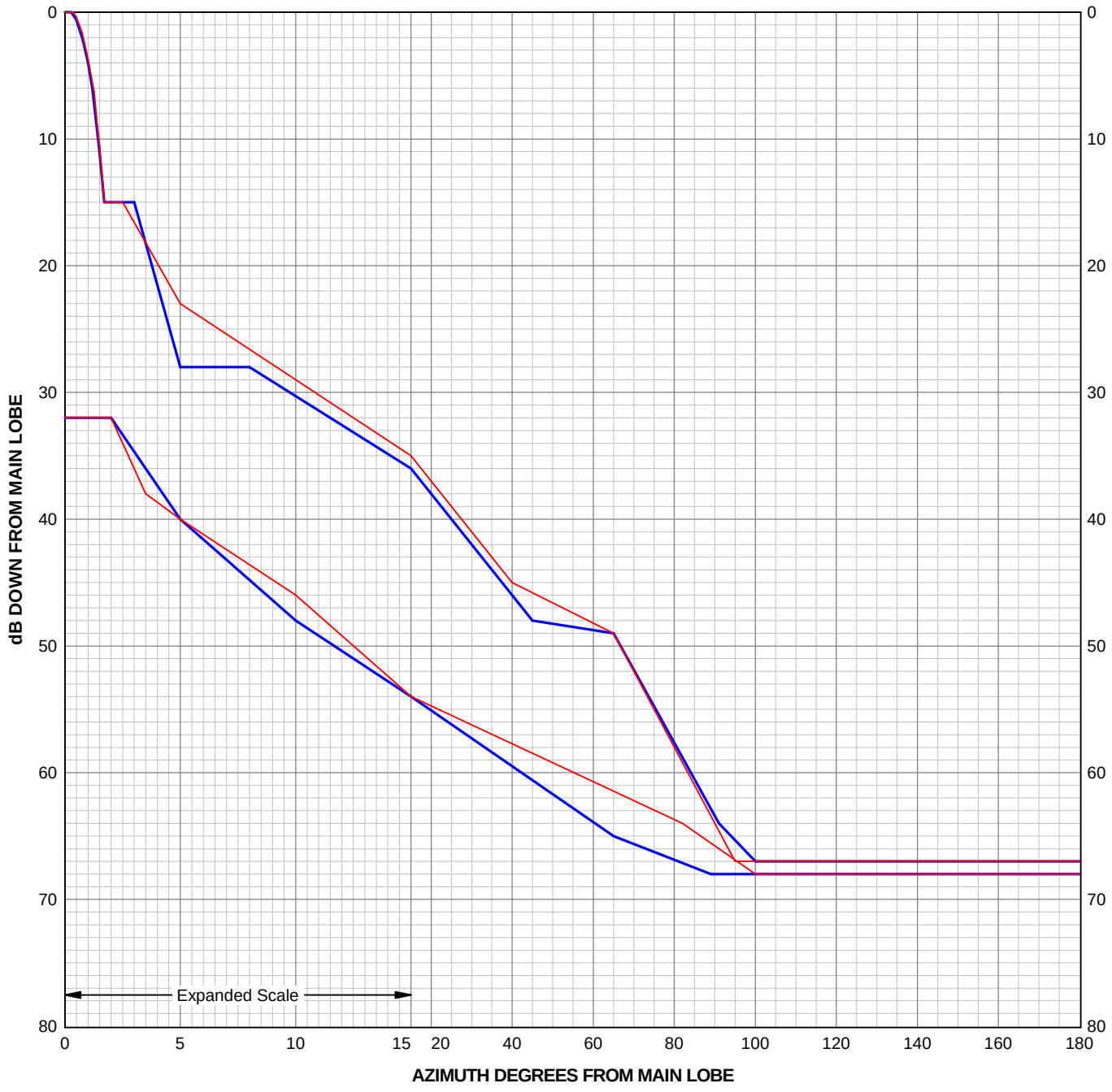
RPE 7082D

Engineering Approved:
10 June 2016



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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	-32.00	0.00	0.00	0.00	-32.00
0.27	0.00	2.00	-32.00	0.35	0.00	2.00	-32.00
0.50	-0.61	5.00	-40.00	0.50	-0.41	3.50	-38.00
0.78	-2.23	10.00	-48.00	0.75	-1.62	5.00	-40.00
0.99	-3.93	15.00	-54.00	0.99	-3.65	10.00	-46.00
1.18	-6.00	65.00	-65.00	1.26	-6.29	15.00	-54.00
1.49	-10.90	89.00	-68.00	1.40	-8.93	82.00	-64.00
1.70	-15.00	180.00	-68.00	1.50	-10.56	100.00	-68.00
3.00	-15.00			1.70	-15.00	180.00	-68.00
5.00	-28.00			2.50	-15.00		
8.00	-28.00			5.00	-23.00		
15.00	-36.00			15.00	-35.00		
45.00	-48.00			40.00	-45.00		
65.00	-49.00			65.00	-49.00		
91.00	-64.00			95.00	-67.00		
100.00	-67.00			180.00	-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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