

RADIATION PATTERN ENVELOPE

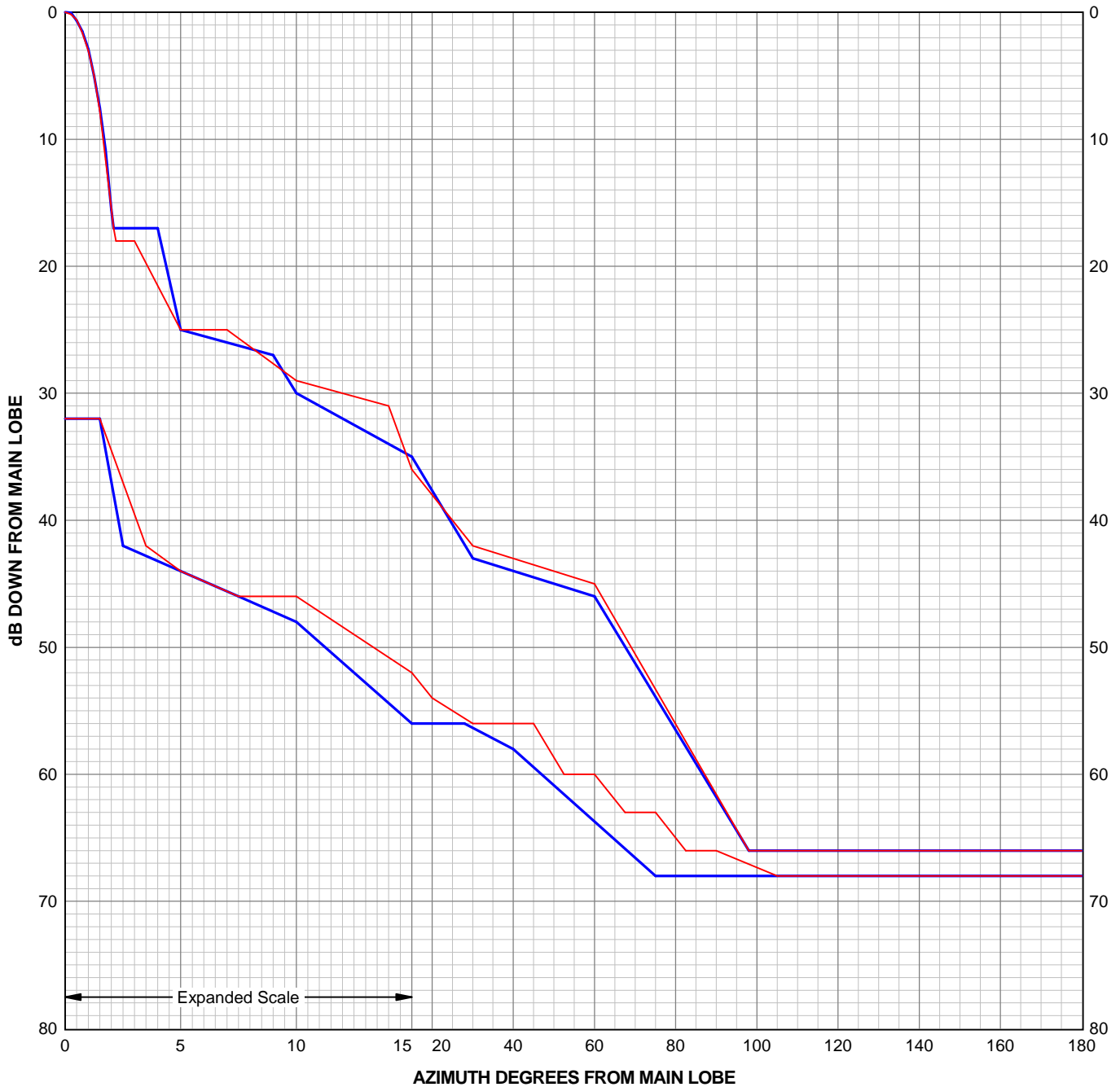
Antenna Type Number: VHLPX6-6W
6.00 Foot Antenna 5.925-7.125 GHz Dual Polarized
Gain: 39.30 dBi at 6.525 GHz
— Envelope for a Horizontally Polarized Antenna (HH, HV)
— Envelope for a Vertically Polarized Antenna (VV, VH)
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".



RPE 7139B

Engineering Approved:
10 June 2016

ANDREW CORPORATION



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 RPE: 7139B
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Angle	H/H dB	Angle	H/V dB	Angle	V/V dB	Angle	V/H dB
0.00	0.00	0.00	-32.00	0.00	0.00	0.00	-32.00
0.25	-0.05	1.50	-32.00	0.25	-0.16	1.50	-32.00
0.50	-0.65	2.50	-42.00	0.50	-0.60	3.50	-42.00
0.75	-1.52	5.00	-44.00	0.75	-1.62	5.00	-44.00
1.00	-2.92	7.50	-46.00	1.00	-3.03	7.50	-46.00
1.25	-5.03	10.00	-48.00	1.25	-4.98	10.00	-46.00
1.50	-7.52	15.00	-56.00	1.50	-7.79	15.00	-52.00
1.75	-10.83	28.00	-56.00	1.75	-11.58	20.00	-54.00
2.00	-15.53	40.00	-58.00	2.10	-17.00	30.00	-56.00
2.10	-17.00	75.00	-68.00	2.20	-18.00	45.00	-56.00
4.00	-17.00	180.00	-68.00	3.00	-18.00	52.50	-60.00
5.00	-25.00			5.00	-25.00	60.00	-60.00
9.00	-27.00			7.00	-25.00	67.50	-63.00
10.00	-30.00			10.00	-29.00	75.00	-63.00
15.00	-35.00			14.00	-31.00	82.50	-66.00
30.00	-43.00			15.00	-36.00	90.00	-66.00
60.00	-46.00			30.00	-42.00	105.00	-68.00
98.00	-66.00			60.00	-45.00	180.00	-68.00
180.00	-66.00			98.00	-66.00		
				180.00	-66.00		

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