

RADIATION PATTERN ENVELOPE

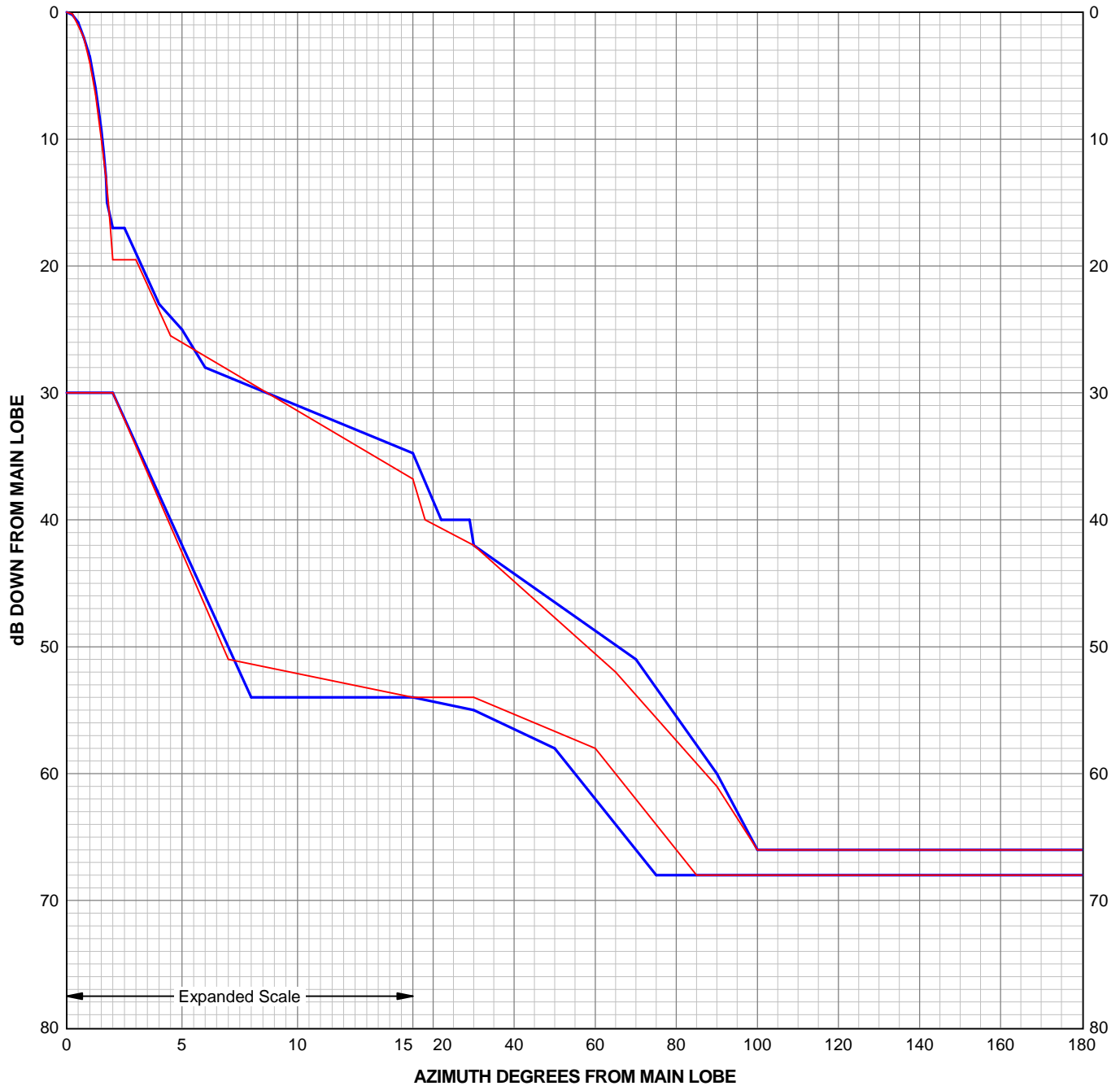
Antenna Type Number: VHLPX4-11W
4.00 Foot Antenna 10.125-11.700 GHz Dual Polarized
Gain: 40.70 dBi at 10.912 GHz
— Envelope for a Horizontally Polarized Antenna (HH, HV)
— Envelope for a Vertically Polarized Antenna (VV, VH)

For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".

ANDREW CORPORATION

RPE 7185A

Engineering Approved:
26 May 2014



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 RPE: 7185A
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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	-30.00	0.00	0.00	0.00	-30.00
0.25	-0.20	2.00	-30.00	0.25	-0.15	2.00	-30.00
0.50	-0.80	8.00	-54.00	0.50	-1.05	7.00	-51.00
0.75	-2.00	15.00	-54.00	0.75	-2.00	15.00	-54.00
1.00	-3.50	30.00	-55.00	1.00	-4.00	30.00	-54.00
1.25	-6.00	50.00	-58.00	1.10	-5.00	60.00	-58.00
1.50	-9.25	75.00	-68.00	1.25	-6.50	85.00	-68.00
1.60	-11.00	180.00	-68.00	1.50	-10.00	180.00	-68.00
1.70	-13.00			1.70	-13.00		
1.75	-15.00			1.80	-15.00		
2.00	-17.00			1.90	-17.00		
2.50	-17.00			2.00	-19.50		
4.00	-23.00			3.00	-19.50		
4.50	-24.00			4.50	-25.50		
5.00	-25.00			18.00	-40.00		
6.00	-28.00			30.00	-42.00		
22.00	-40.00			65.00	-52.00		
29.00	-40.00			90.00	-61.00		
30.00	-42.00			100.00	-66.00		
70.00	-51.00			180.00	-66.00		
90.00	-60.00						
100.00	-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