

# RADIATION PATTERN ENVELOPE

Antenna Type Number: VHLPX3-11W  
3.00 Foot Antenna 10.550-11.700 GHz Dual Polarized  
Gain: 38.50 dBi at 11.125 GHz  
— Envelope for a Horizontally Polarized Antenna (HH, HV)  
— Envelope for a Vertically Polarized Antenna (VV, VH)

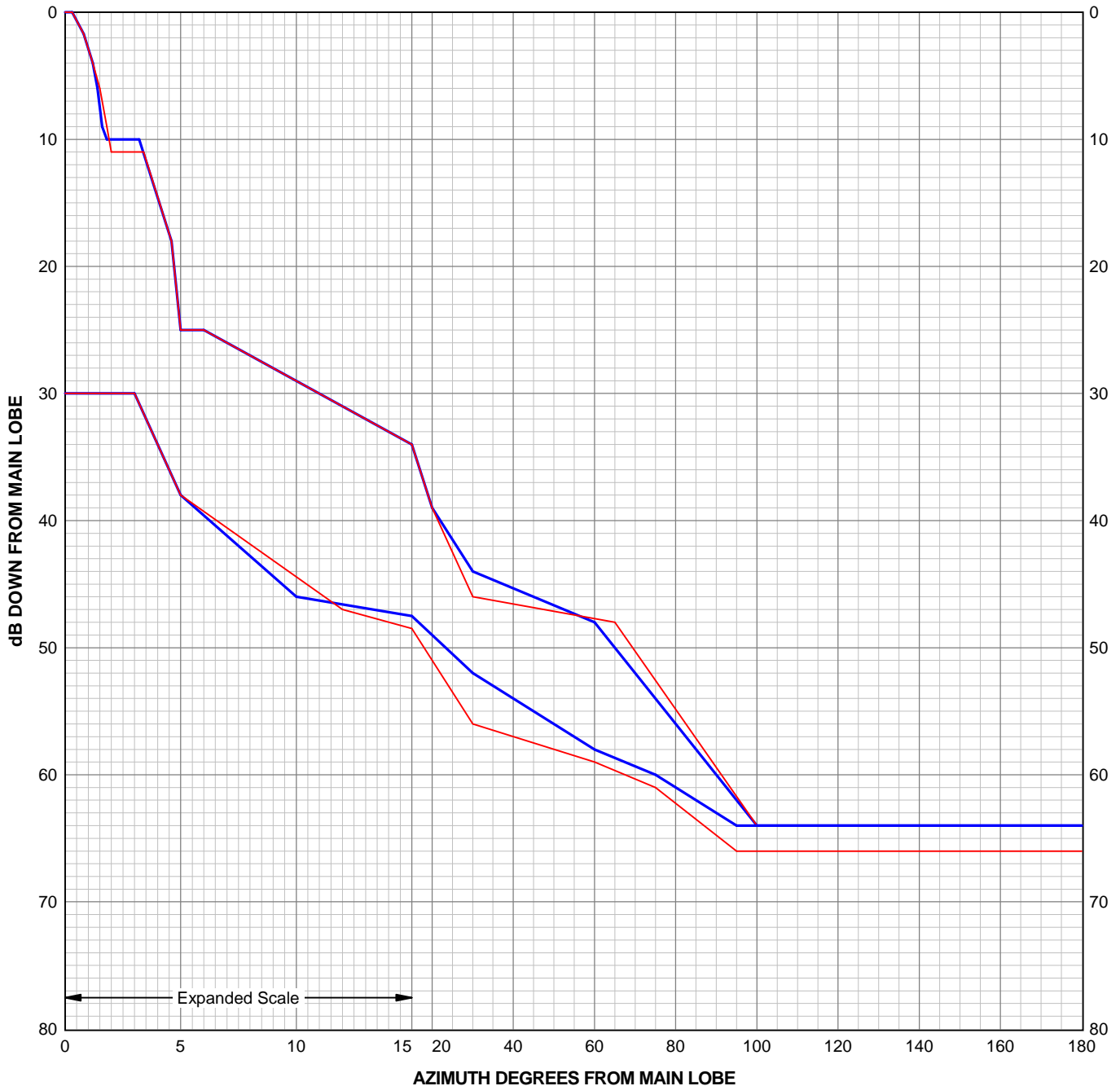
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".



RPE 7178A

Engineering Approved:  
10 June 2015

ANDREW CORPORATION



Antenna Type Number: VHLPX3-11W  
 3.00 Foot Antenna 10.550-11.700 GHz Dual Polarized  
 Gain: 38.50 dBi at 11.125 GHz  
 RPE: 7178A  
 Engineering Approved: 10 June 2015



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
0.30	0.00	3.00	-30.00	0.30	0.00	3.00	-30.00
0.80	-1.70	5.00	-38.00	0.80	-1.70	5.00	-38.00
1.20	-4.00	10.00	-46.00	1.20	-4.00	12.00	-47.00
1.40	-6.00	30.00	-52.00	1.50	-6.00	30.00	-56.00
1.60	-9.00	60.00	-58.00	1.80	-9.00	60.00	-59.00
1.80	-10.00	75.00	-60.00	2.00	-11.00	75.00	-61.00
3.20	-10.00	95.00	-64.00	3.40	-11.00	95.00	-66.00
4.60	-18.00	180.00	-64.00	4.60	-18.00	180.00	-66.00
5.00	-25.00			5.00	-25.00		
6.00	-25.00			6.00	-25.00		
20.00	-39.00			20.00	-39.00		
30.00	-44.00			30.00	-46.00		
60.00	-48.00			65.00	-48.00		
100.00	-64.00			100.00	-64.00		
180.00	-64.00			180.00	-64.00		

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