

RADIATION PATTERN ENVELOPE

Antenna Type Number: VHLP3-11W
3.00 Foot Antenna 10.550-11.700 GHz Single 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)

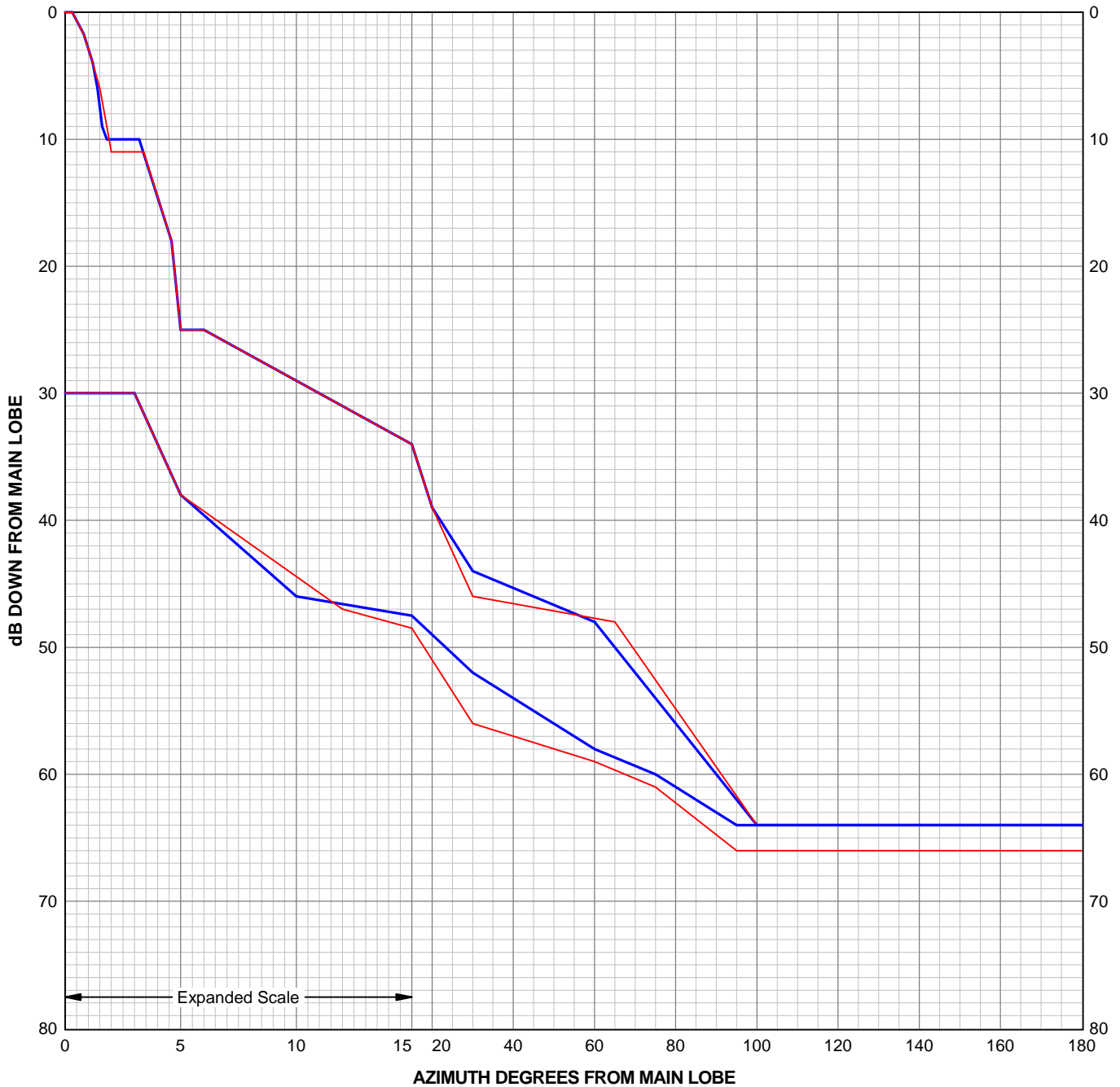
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".



RPE 7164A

Engineering Approved:
10 June 2015

ANDREW CORPORATION



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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
0.30	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