

RADIATION PATTERN ENVELOPE

Antenna Type Number: VHLPX3-15
3.00 Foot Antenna 14.400-15.350 GHz Dual Polarized
Gain: 41.10 dBi at 14.875 GHz
— Envelope for a Horizontally Polarized Antenna (HH, HV)
— Envelope for a Vertically Polarized Antenna (VV, VH)

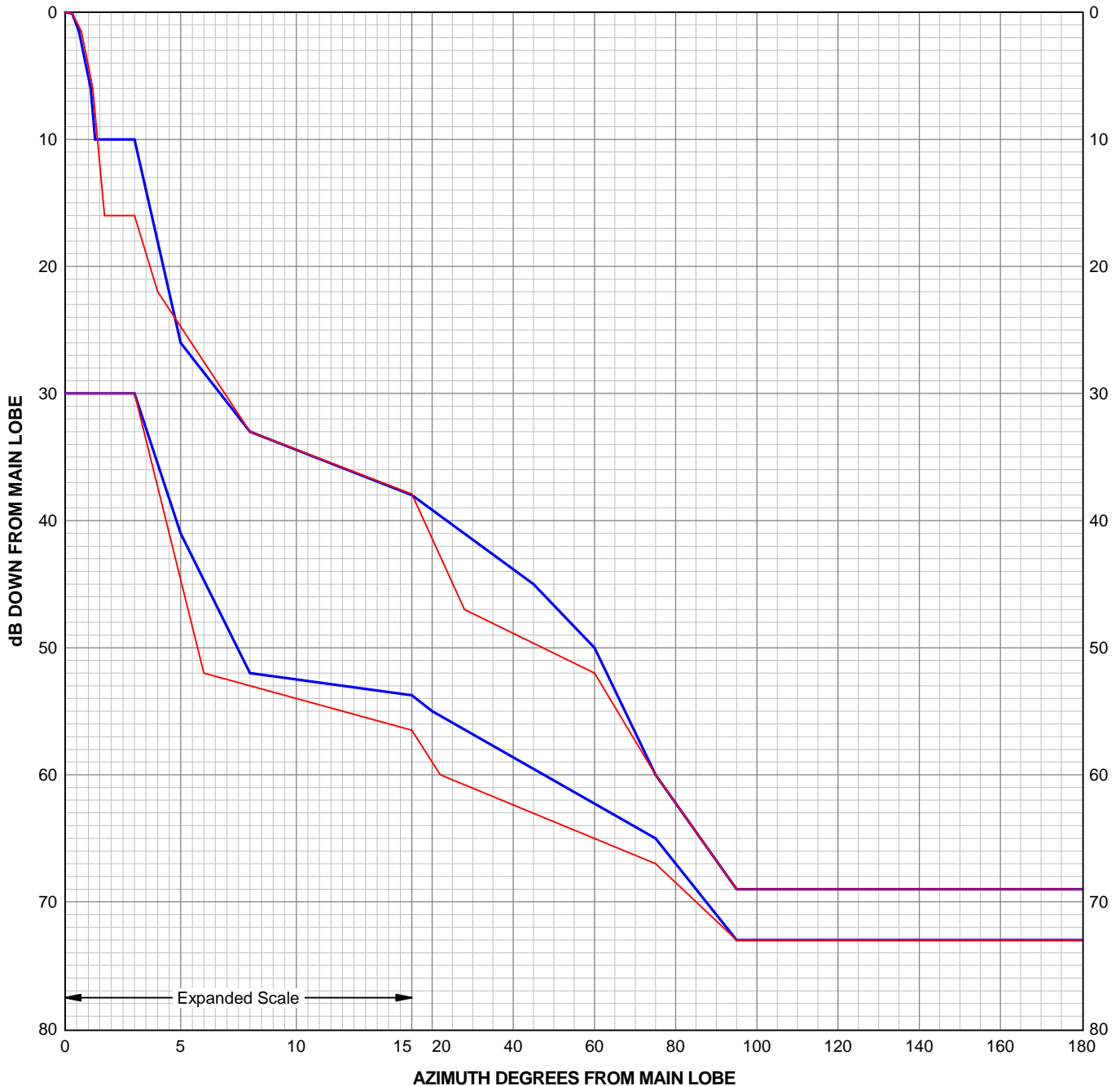
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".



RPE 7170A

Engineering Approved:
29 April 2015

ANDREW CORPORATION



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 RPE: 7170A
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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	-0.10	3.00	-30.00	0.30	-0.10	3.00	-30.00
0.60	-1.50	5.00	-41.00	0.70	-1.50	6.00	-52.00
0.90	-4.20	8.00	-52.00	1.00	-4.20	22.00	-60.00
1.10	-6.00	20.00	-55.00	1.20	-6.00	75.00	-67.00
1.30	-10.00	75.00	-65.00	1.40	-10.00	95.00	-73.00
3.00	-10.00	95.00	-73.00	1.70	-16.00	180.00	-73.00
5.00	-26.00	180.00	-73.00	3.00	-16.00		
8.00	-33.00			4.00	-22.00		
15.00	-38.00			8.00	-33.00		
45.00	-45.00			28.00	-47.00		
60.00	-50.00			60.00	-52.00		
75.00	-60.00			75.00	-60.00		
95.00	-69.00			95.00	-69.00		
180.00	-69.00			180.00	-69.00		

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