

RADIATION PATTERN ENVELOPE

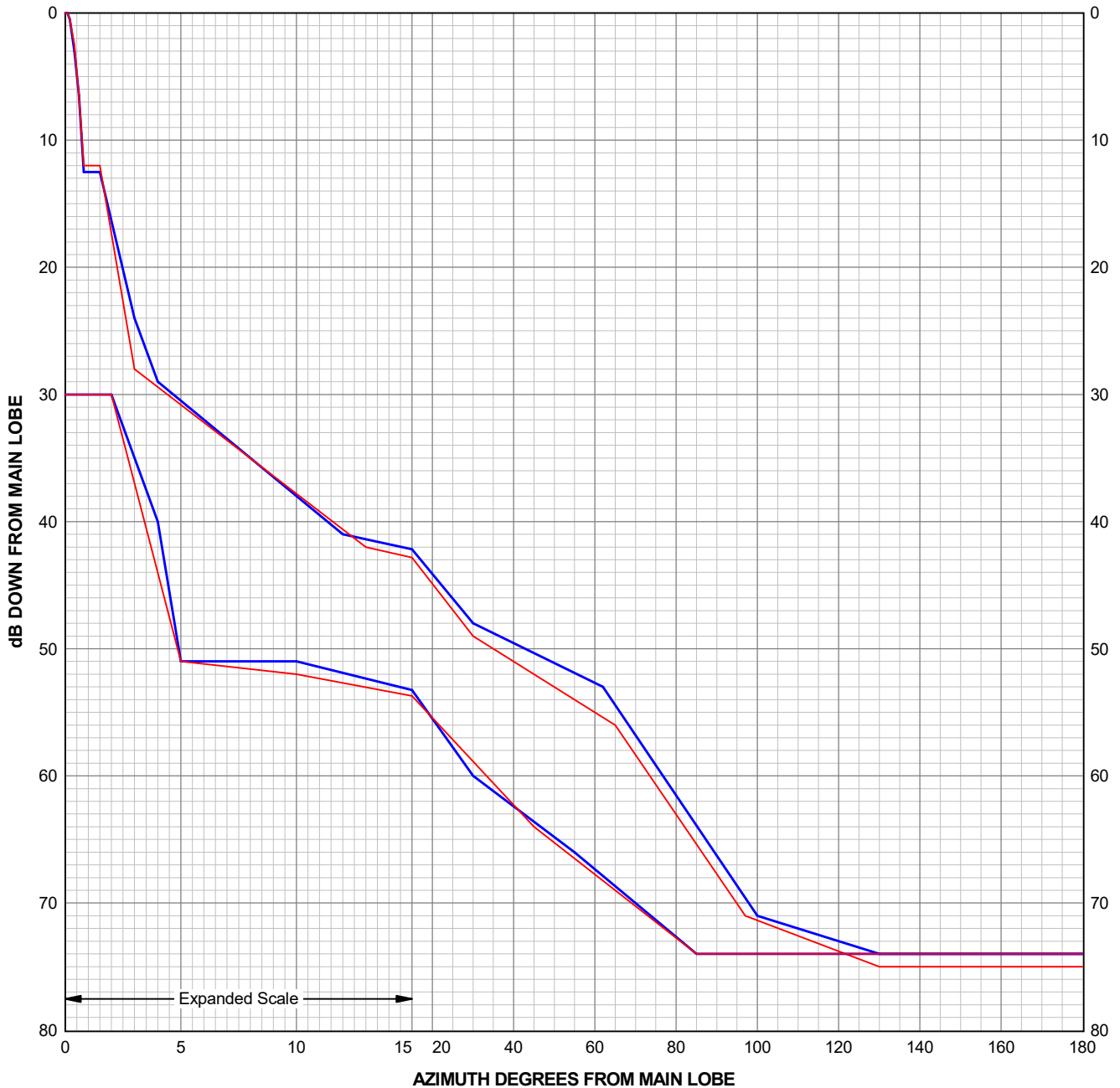
Antenna Type Number: VHLP3-28
3.00 Foot Antenna 27.500-29.500 GHz Single Polarized
Gain: 47.00 dBi at 28.500 GHz
— Envelope for a Horizontally Polarized Antenna (HH, HV)
— Envelope for a Vertically Polarized Antenna (VV, VH)
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".



RPE 7158A

Engineering Approved:
26 January 2015

ANDREW CORPORATION



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 RPE: 7158A
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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
0.10	0.00	2.00	-30.00	0.10	0.00	2.00	-30.00
0.20	-0.50	4.00	-40.00	0.20	-0.50	5.00	-51.00
0.40	-3.00	5.00	-51.00	0.40	-2.50	10.00	-52.00
0.60	-6.50	10.00	-51.00	0.50	-4.70	45.00	-64.00
0.70	-9.50	30.00	-60.00	0.60	-6.50	85.00	-74.00
0.80	-12.50	55.00	-66.00	0.80	-12.00	180.00	-74.00
1.50	-12.50	85.00	-74.00	1.50	-12.00		
3.00	-24.00	180.00	-74.00	3.00	-28.00		
4.00	-29.00			13.00	-42.00		
12.00	-41.00			30.00	-49.00		
30.00	-48.00			65.00	-56.00		
62.00	-53.00			97.00	-71.00		
100.00	-71.00			130.00	-75.00		
130.00	-74.00			180.00	-75.00		
180.00	-74.00						

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

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