

RADIATION PATTERN ENVELOPE

Antenna Type Number: SHPX1-28
1.00 Foot Antenna 27.500-29.500 GHz Dual Polarized
Gain: 38.00 dBi at 28.500 GHz
— Envelope for a Horizontally Polarized Antenna (HH, HV)
— Envelope for a Vertically Polarized Antenna (VV, VH)

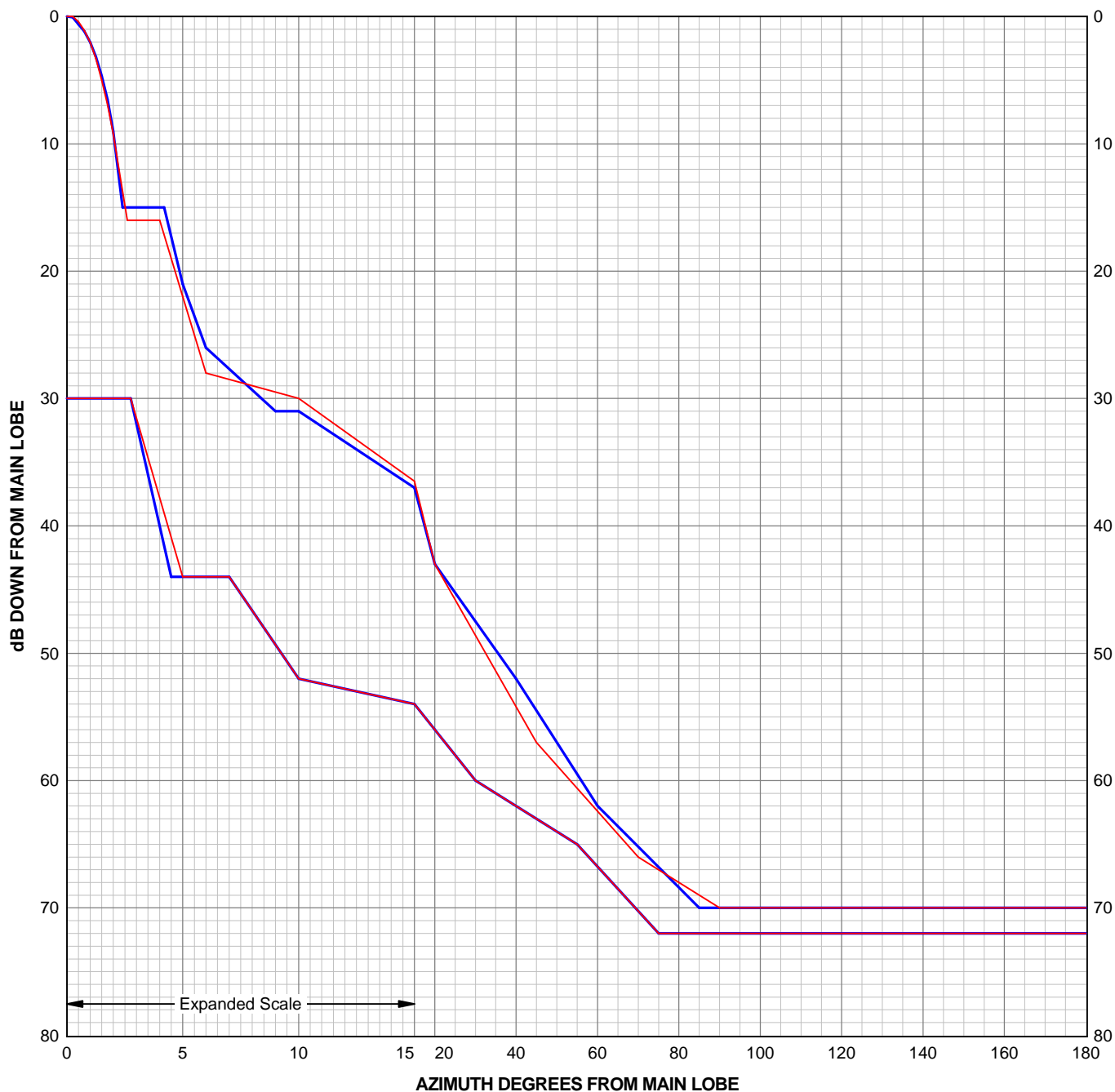
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".



RPE 7280B

Engineering Approved:
14 August 2013

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
0.25	-0.07	2.75	-30.00	0.25	0.00	2.75	-30.00
0.50	-0.61	4.50	-44.00	0.50	-0.41	5.00	-44.00
0.75	-1.15	7.00	-44.00	0.75	-1.08	7.00	-44.00
1.00	-2.03	10.00	-52.00	1.00	-2.03	10.00	-52.00
1.25	-3.18	20.00	-56.00	1.25	-3.32	20.00	-56.00
1.50	-4.67	30.00	-60.00	1.50	-5.01	30.00	-60.00
1.75	-6.50	55.00	-65.00	1.75	-6.90	55.00	-65.00
2.00	-9.00	75.00	-72.00	2.00	-9.20	75.00	-72.00
2.40	-15.00	180.00	-72.00	2.25	-12.00	180.00	-72.00
4.20	-15.00			2.60	-16.00		
5.00	-21.00			4.00	-16.00		
6.00	-26.00			5.00	-22.00		
9.00	-31.00			6.00	-28.00		
10.00	-31.00			10.00	-30.00		
20.00	-43.00			20.00	-43.00		
40.00	-52.00			45.00	-57.00		
60.00	-62.00			70.00	-66.00		
85.00	-70.00			90.00	-70.00		
180.00	-70.00			180.00	-70.00		

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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