

# RADIATION PATTERN ENVELOPE

Antenna Type Number: SHPX2-42  
2.00 Foot Antenna 40.500-43.500 GHz Dual Polarized  
Gain: 46.00 dBi at 42.000 GHz  
— Envelope for a Horizontally Polarized Antenna (HH, HV)  
— Envelope for a Vertically Polarized Antenna (VV, VH)

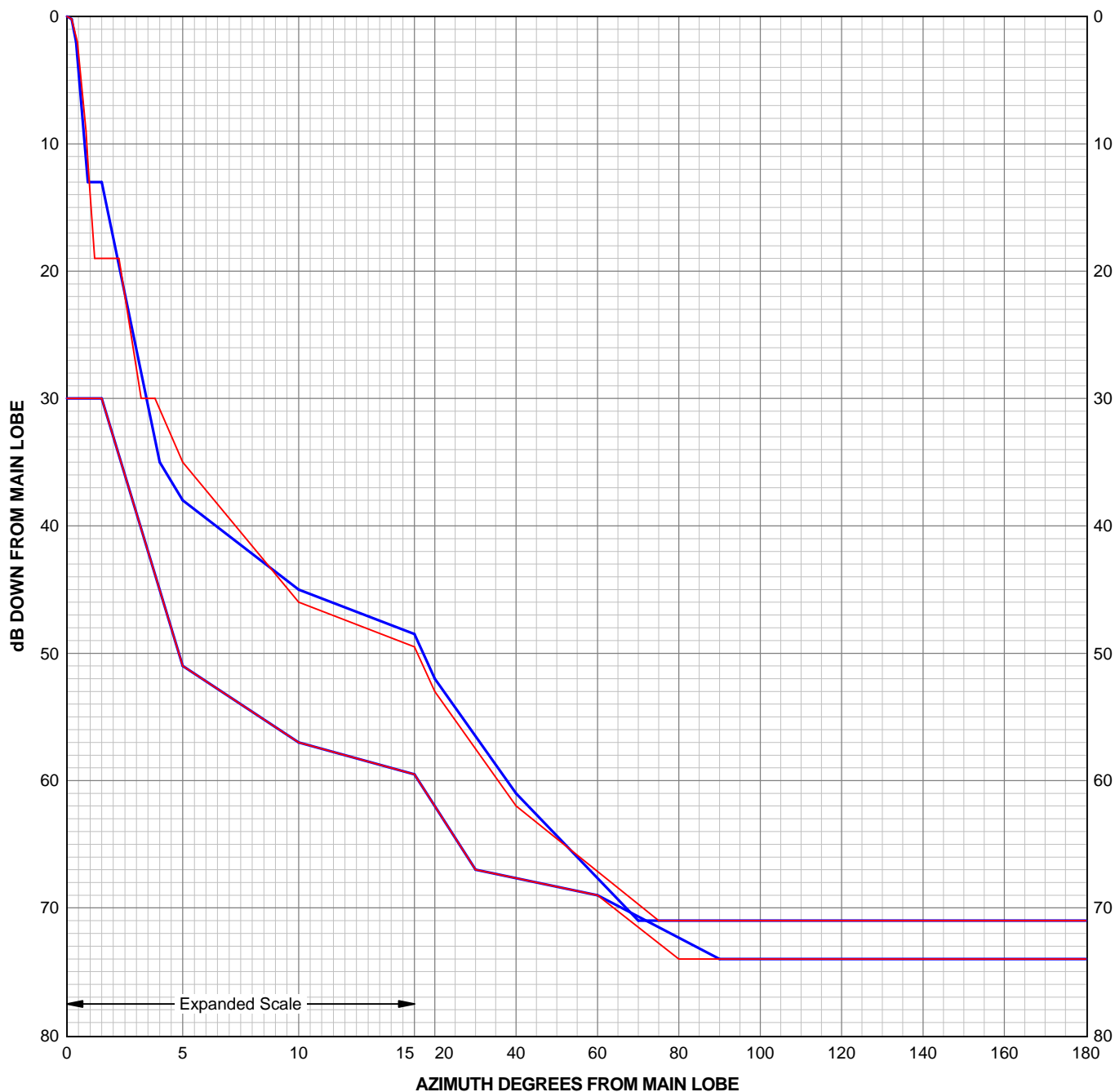
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".



RPE 7268B

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
0.20	-0.20	1.50	-30.00	0.20	-0.20	1.50	-30.00
0.40	-2.00	5.00	-51.00	0.45	-2.00	5.00	-51.00
0.90	-13.00	10.00	-57.00	0.82	-9.00	10.00	-57.00
1.50	-13.00	30.00	-67.00	0.92	-12.00	30.00	-67.00
4.00	-35.00	60.00	-69.00	1.20	-19.00	60.00	-69.00
5.00	-38.00	90.00	-74.00	2.25	-19.00	80.00	-74.00
10.00	-45.00	180.00	-74.00	3.20	-30.00	180.00	-74.00
20.00	-52.00			3.80	-30.00		
40.00	-61.00			5.00	-35.00		
70.00	-71.00			10.00	-46.00		
180.00	-71.00			20.00	-53.00		
				40.00	-62.00		
				75.00	-71.00		
				180.00	-71.00		

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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