

RADIATION PATTERN ENVELOPE

Antenna Type Number: SHP1-32
1.00 Foot Antenna 31.000-33.400 GHz Single Polarized
Gain: 38.70 dBi at 32.200 GHz
— Envelope for a Horizontally Polarized Antenna (HH, HV)
— Envelope for a Vertically Polarized Antenna (VV, VH)

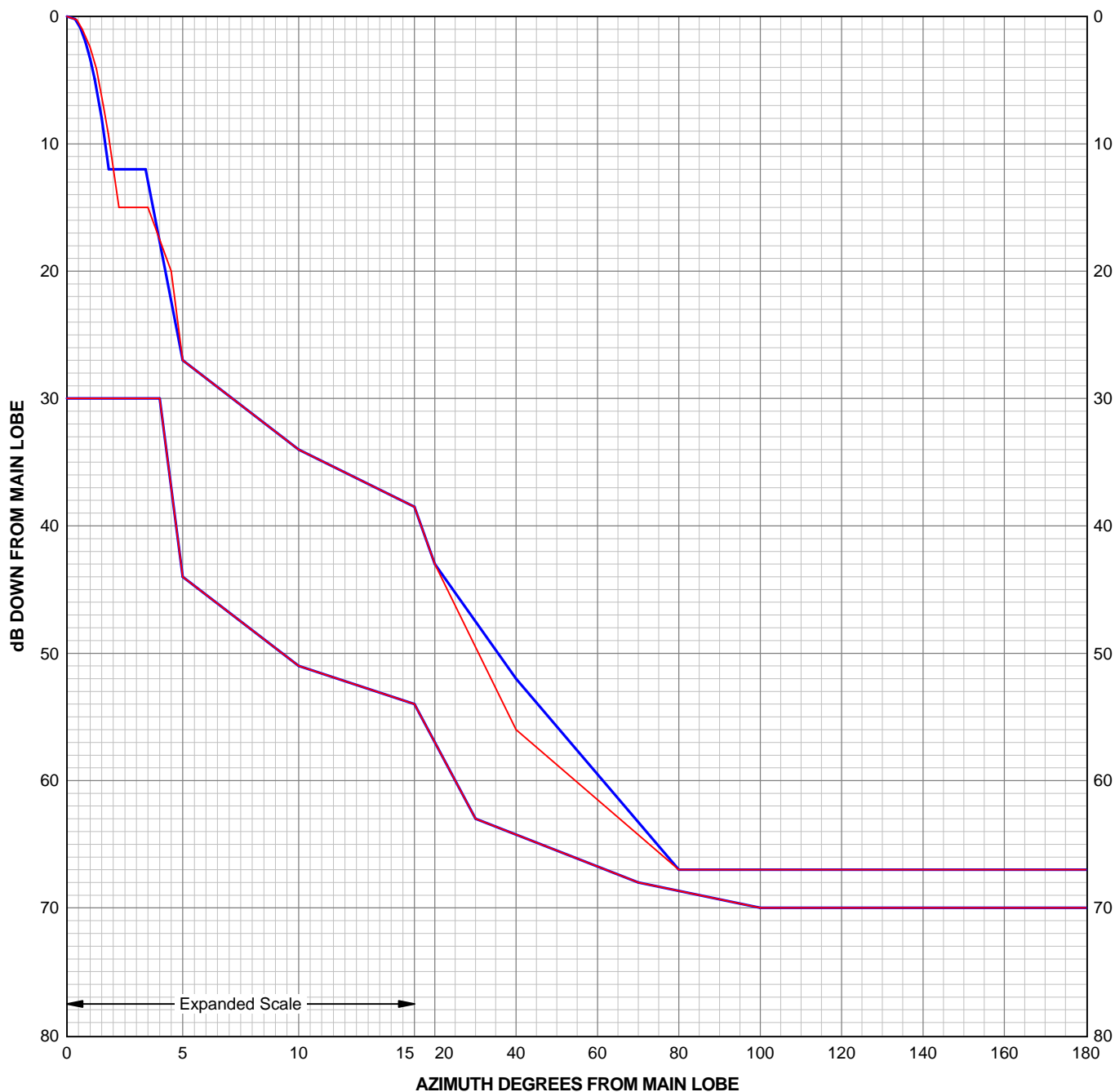
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".



RPE 7281B

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
0.35	-0.20	4.00	-30.00	0.43	-0.27	4.00	-30.00
0.57	-0.88	5.00	-44.00	0.67	-1.02	5.00	-44.00
0.80	-2.00	10.00	-51.00	0.99	-2.37	10.00	-51.00
1.00	-3.35	30.00	-63.00	1.27	-4.13	30.00	-63.00
1.20	-4.90	70.00	-68.00	1.57	-6.97	70.00	-68.00
1.50	-8.00	100.00	-70.00	1.78	-9.20	100.00	-70.00
1.80	-12.00	180.00	-70.00	2.25	-15.00	180.00	-70.00
3.40	-12.00			3.50	-15.00		
5.00	-27.00			4.50	-20.00		
10.00	-34.00			5.00	-27.00		
20.00	-43.00			10.00	-34.00		
40.00	-52.00			20.00	-43.00		
80.00	-67.00			40.00	-56.00		
180.00	-67.00			80.00	-67.00		
				180.00	-67.00		

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

ANDREW CORPORATION
 10500 W. 153rd Street
 Orland Park, IL. U.S.A 60462

Corporate Web Site: <http://www.andrew.com>
 Customer Service Center: 1-800-255-1479