

RADIATION PATTERN ENVELOPE

Antenna Type Number: SHP1-23
1.00 Foot Antenna 21.200-23.600 GHz Single Polarized
Gain: 35.60 dBi at 22.400 GHz
— Envelope for a Horizontally Polarized Antenna (HH, HV)
— Envelope for a Vertically Polarized Antenna (VV, VH)

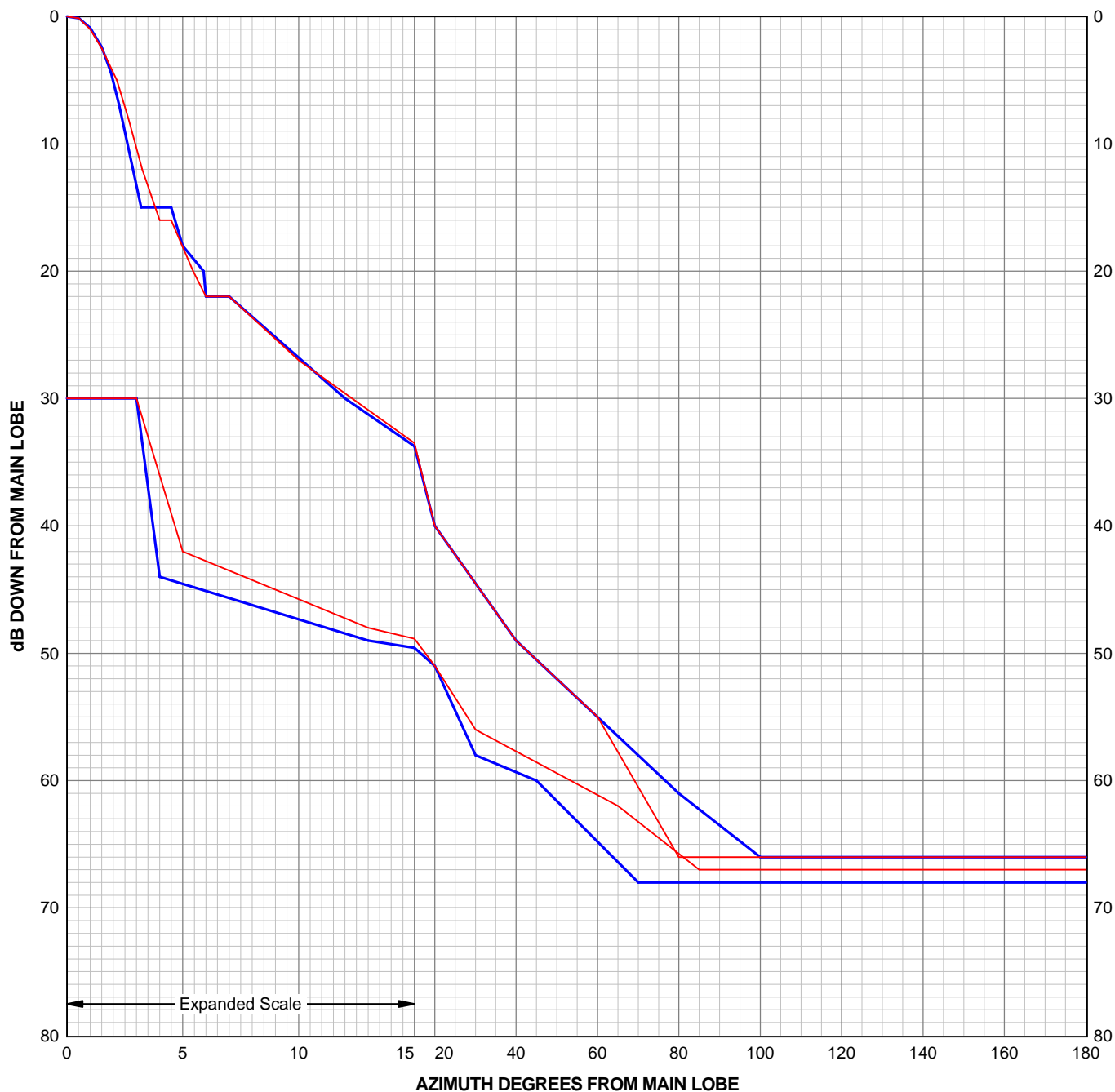
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".



RPE 7275B

Engineering Approved:
14 August 2013

ANDREW CORPORATION



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 RPE: 7275B
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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
0.52	-0.14	3.00	-30.00	0.52	-0.14	3.00	-30.00
1.00	-0.90	4.00	-44.00	1.00	-1.01	5.00	-42.00
1.50	-2.40	13.00	-49.00	1.50	-2.50	13.00	-48.00
1.90	-4.36	20.00	-51.00	2.15	-5.00	20.00	-51.00
2.25	-6.90	30.00	-58.00	2.65	-8.00	30.00	-56.00
3.20	-15.00	45.00	-60.00	3.25	-12.00	65.00	-62.00
4.50	-15.00	70.00	-68.00	4.00	-16.00	85.00	-67.00
5.00	-18.00	180.00	-68.00	4.50	-16.00	180.00	-67.00
5.90	-20.00			5.45	-20.00		
6.00	-22.00			6.00	-22.00		
7.00	-22.00			7.00	-22.00		
12.00	-30.00			10.00	-27.00		
20.00	-40.00			20.00	-40.00		
40.00	-49.00			40.00	-49.00		
80.00	-61.00			60.00	-55.00		
100.00	-66.00			80.00	-66.00		
180.00	-66.00			180.00	-66.00		

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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