

RADIATION PATTERN ENVELOPE

Antenna Type Number: SHP2-13
2.00 Foot Antenna 12.700-13.250 GHz Single Polarized
Gain: 36.00 dBi at 12.975 GHz

- Envelope for a Horizontally Polarized Antenna (HH, HV)
- Envelope for a Vertically Polarized Antenna (VV, VH)

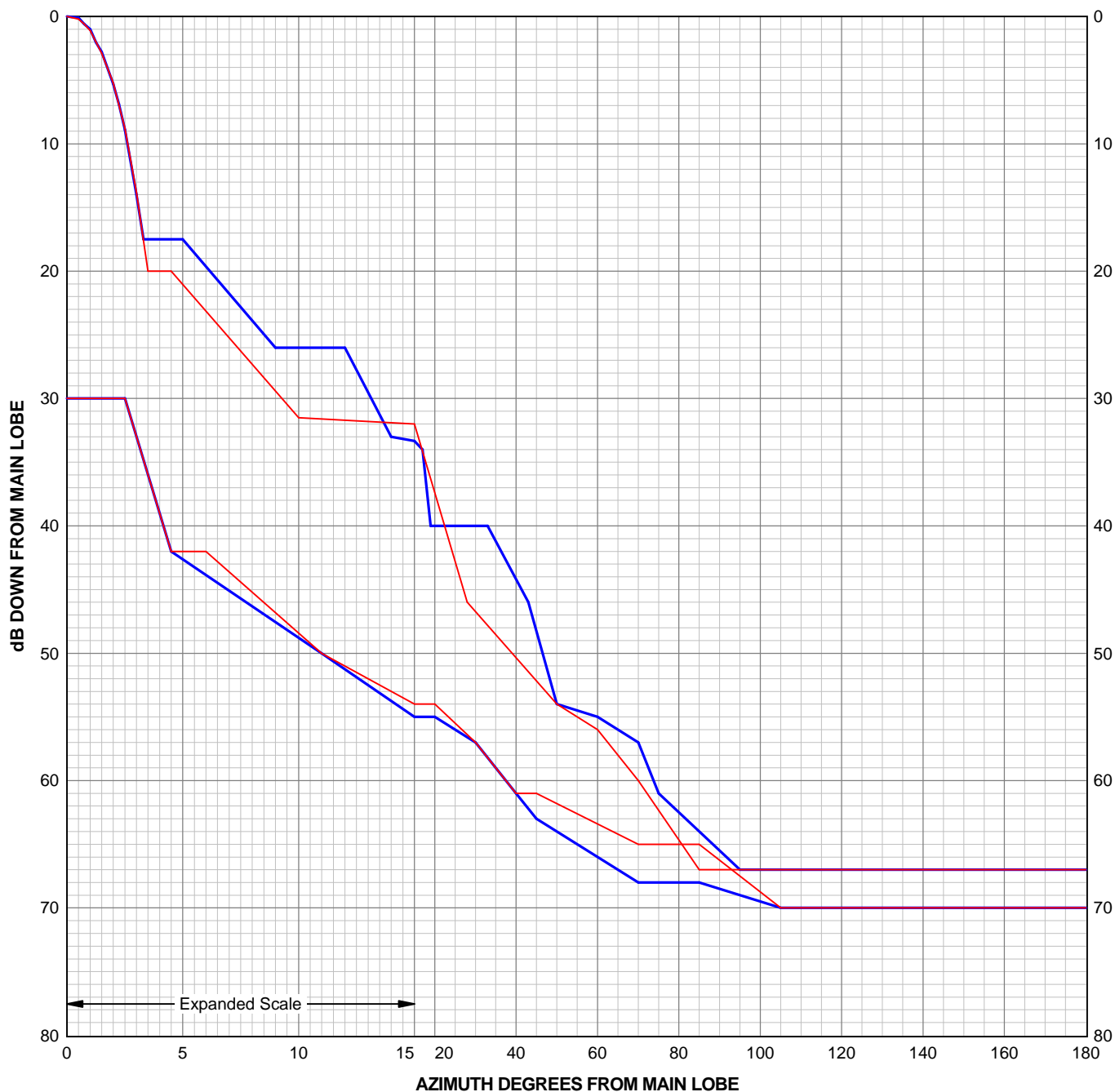
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".



RPE 7273B

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
0.50	-0.10	2.50	-30.00	0.50	-0.20	2.50	-30.00
0.75	-0.60	4.50	-42.00	0.75	-0.60	4.50	-42.00
1.00	-1.00	11.00	-50.00	1.00	-1.10	6.00	-42.00
1.25	-2.03	15.00	-55.00	1.50	-2.90	11.00	-50.00
1.50	-2.80	20.00	-55.00	2.00	-5.20	15.00	-54.00
2.00	-5.30	30.00	-57.00	2.50	-8.80	20.00	-54.00
2.25	-6.90	40.00	-61.00	3.00	-13.80	30.00	-57.00
2.50	-8.90	45.00	-63.00	3.50	-20.00	40.00	-61.00
3.00	-14.00	70.00	-68.00	4.50	-20.00	45.00	-61.00
3.30	-17.50	85.00	-68.00	10.00	-31.50	70.00	-65.00
5.00	-17.50	105.00	-70.00	15.00	-32.00	85.00	-65.00
9.00	-26.00	180.00	-70.00	28.00	-46.00	105.00	-70.00
12.00	-26.00			50.00	-54.00	180.00	-70.00
14.00	-33.00			60.00	-56.00		
17.00	-34.00			70.00	-60.00		
19.00	-40.00			85.00	-67.00		
33.00	-40.00			180.00	-67.00		
43.00	-46.00						
50.00	-54.00						
60.00	-55.00						
70.00	-57.00						
75.00	-61.00						
95.00	-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

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