

# RADIATION PATTERN ENVELOPE

Antenna Type Number: SHPX2-15  
2.00 Foot Antenna 14.400-15.350 GHz Dual Polarized  
Gain: 36.80 dBi at 14.875 GHz  
— Envelope for a Horizontally Polarized Antenna (HH, HV)  
— Envelope for a Vertically Polarized Antenna (VV, VH)

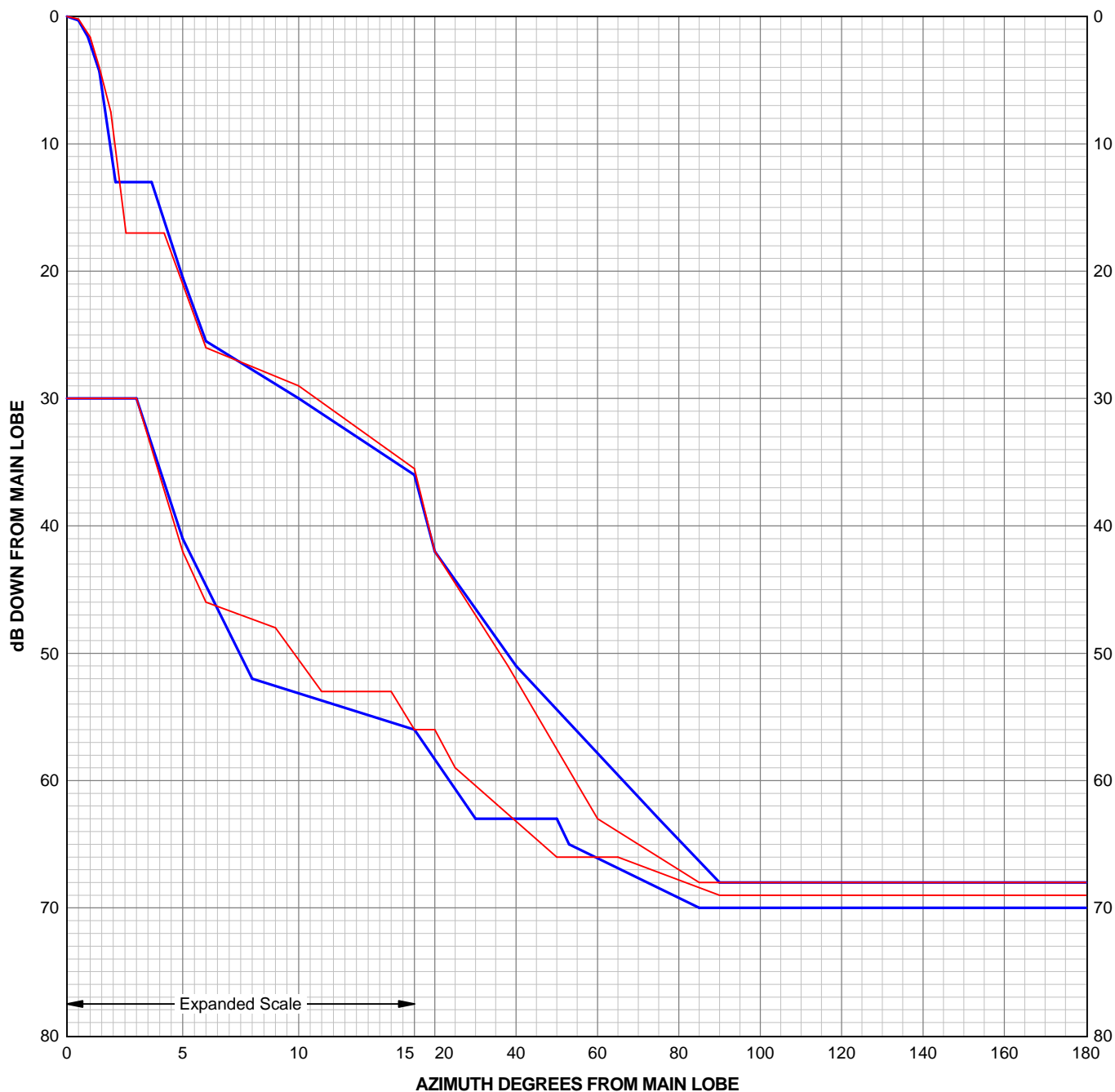
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".



RPE 7254B

Engineering Approved:  
19 June 2013

ANDREW CORPORATION



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 RPE: 7254B  
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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	-0.30	3.00	-30.00	0.50	-0.20	3.00	-30.00
0.90	-1.60	5.00	-41.00	1.00	-1.62	5.00	-42.00
1.40	-4.30	8.00	-52.00	1.40	-4.00	6.00	-46.00
2.10	-13.00	15.00	-56.00	1.90	-7.50	9.00	-48.00
3.65	-13.00	30.00	-63.00	2.55	-17.00	11.00	-53.00
5.00	-20.50	50.00	-63.00	4.20	-17.00	14.00	-53.00
6.00	-25.50	53.00	-65.00	5.00	-21.00	15.00	-56.00
10.00	-30.00	85.00	-70.00	6.00	-26.00	20.00	-56.00
20.00	-42.00	180.00	-70.00	10.00	-29.00	25.00	-59.00
40.00	-51.00			20.00	-42.00	50.00	-66.00
75.00	-63.00			38.00	-51.00	65.00	-66.00
90.00	-68.00			60.00	-63.00	90.00	-69.00
180.00	-68.00			85.00	-68.00	180.00	-69.00
				180.00	-68.00		

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