RADIATION PATTERN ENVELOPE

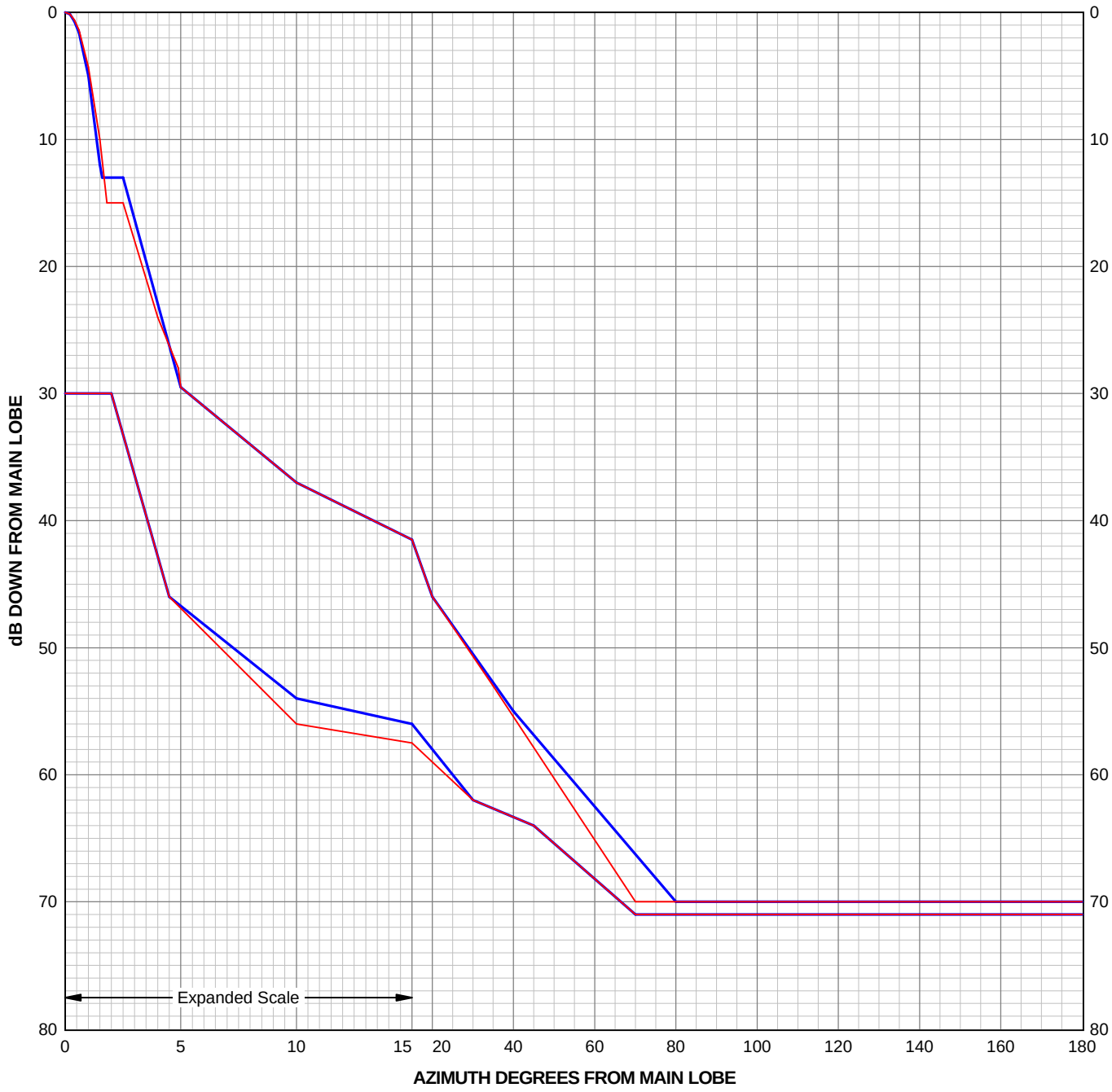
Antenna Type Number: SHPX1-42
1.00 Foot Antenna 40.500-43.500 GHz Dual Polarized
Gain: 41.10 dBi at 42.000 GHz
— Envelope for a Horizontally Polarized Antenna (HH, HV)
— Envelope for a Vertically Polarized Antenna (VV, VH)

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

ANDREW CORPORATION

RPE 7286A

Engineering Approved:
14 August 2013



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H/H		H/V		V/V		V/H	
Angle	**dB**	**Angle**	**dB**	**Angle**	**dB**	**Angle**	**dB**
0.00	0.00	0.00	-30.00	0.00	0.00	0.00	-30.00
0.20	-0.15	2.00	-30.00	0.20	-0.15	2.00	-30.00
0.40	-0.70	4.50	-46.00	0.40	-0.60	4.50	-46.00
0.60	-1.60	10.00	-54.00	0.60	-1.40	10.00	-56.00
1.00	-5.00	30.00	-62.00	1.00	-4.30	30.00	-62.00
1.50	-12.00	45.00	-64.00	1.50	-10.00	45.00	-64.00
1.60	-13.00	70.00	-71.00	1.80	-15.00	70.00	-71.00
2.50	-13.00	180.00	-71.00	2.50	-15.00	180.00	-71.00
5.00	-29.50			4.00	-24.00		
10.00	-37.00			4.90	-28.00		
20.00	-46.00			5.00	-29.50		
40.00	-55.00			10.00	-37.00		
80.00	-70.00			20.00	-46.00		
180.00	-70.00			35.00	-53.00		
				70.00	-70.00		
				180.00	-70.00		

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