

RADIATION PATTERN ENVELOPE

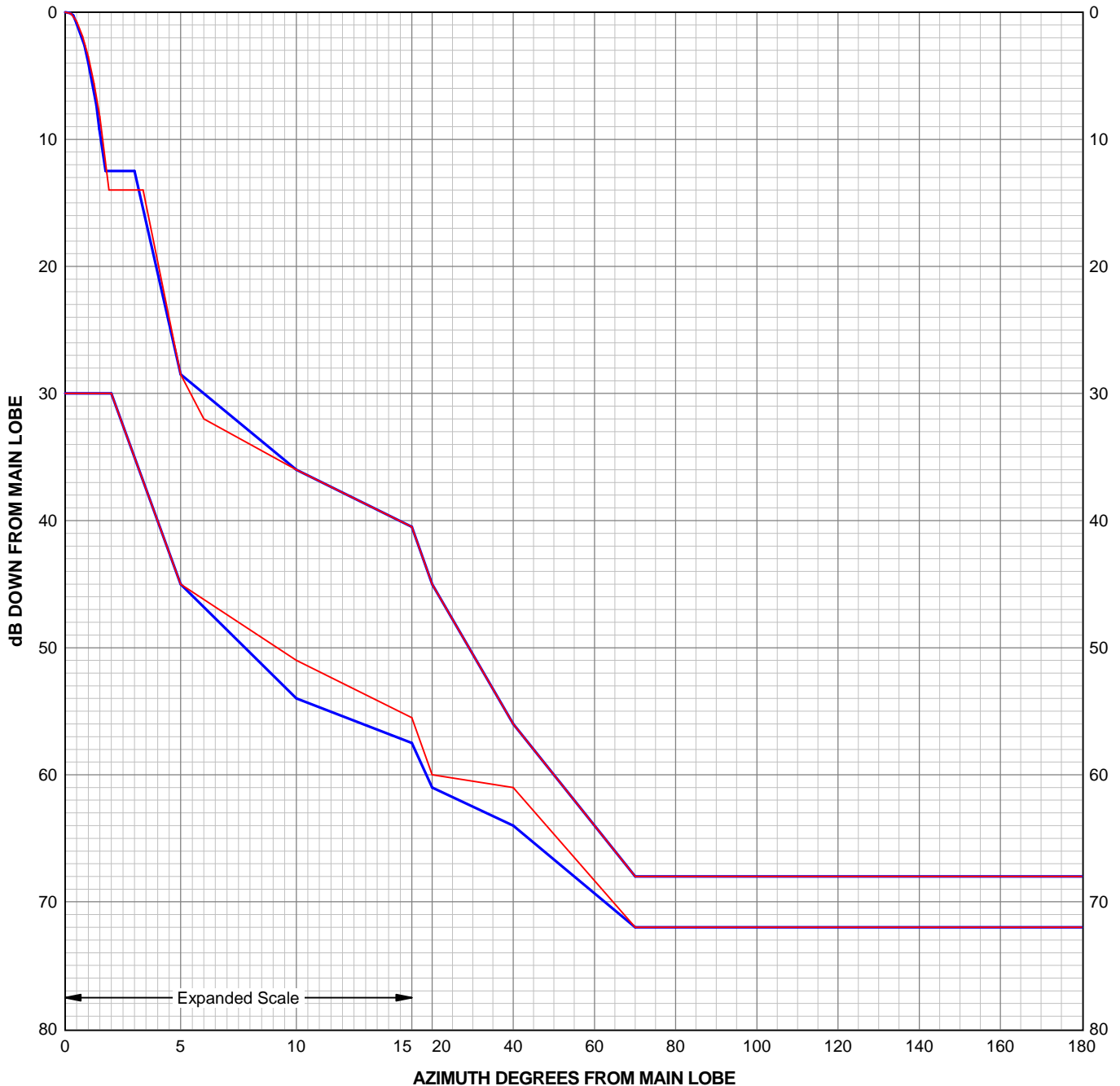
Antenna Type Number: SHPX1-38
1.00 Foot Antenna 37.000-40.000 GHz Dual Polarized
Gain: 40.10 dBi at 38.500 GHz
— Envelope for a Horizontally Polarized Antenna (HH, HV)
— Envelope for a Vertically Polarized Antenna (VV, VH)
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".



RPE 7284B

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
0.20	-0.07	2.00	-30.00	0.25	-0.10	2.00	-30.00
0.35	-0.25	5.00	-45.00	0.50	-0.71	5.00	-45.00
0.49	-0.85	10.00	-54.00	0.76	-1.90	10.00	-51.00
0.83	-2.61	20.00	-61.00	1.00	-3.51	20.00	-60.00
1.00	-4.00	40.00	-64.00	1.25	-5.62	40.00	-61.00
1.35	-7.35	70.00	-72.00	1.50	-8.23	70.00	-72.00
1.48	-9.20	180.00	-72.00	1.90	-14.00	180.00	-72.00
1.75	-12.50			3.37	-14.00		
3.00	-12.50			5.00	-28.50		
5.00	-28.50			6.00	-32.00		
10.00	-36.00			10.00	-36.00		
20.00	-45.00			20.00	-45.00		
40.00	-56.00			40.00	-56.00		
70.00	-68.00			70.00	-68.00		
180.00	-68.00			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