RADIATION PATTERN ENVELOPE

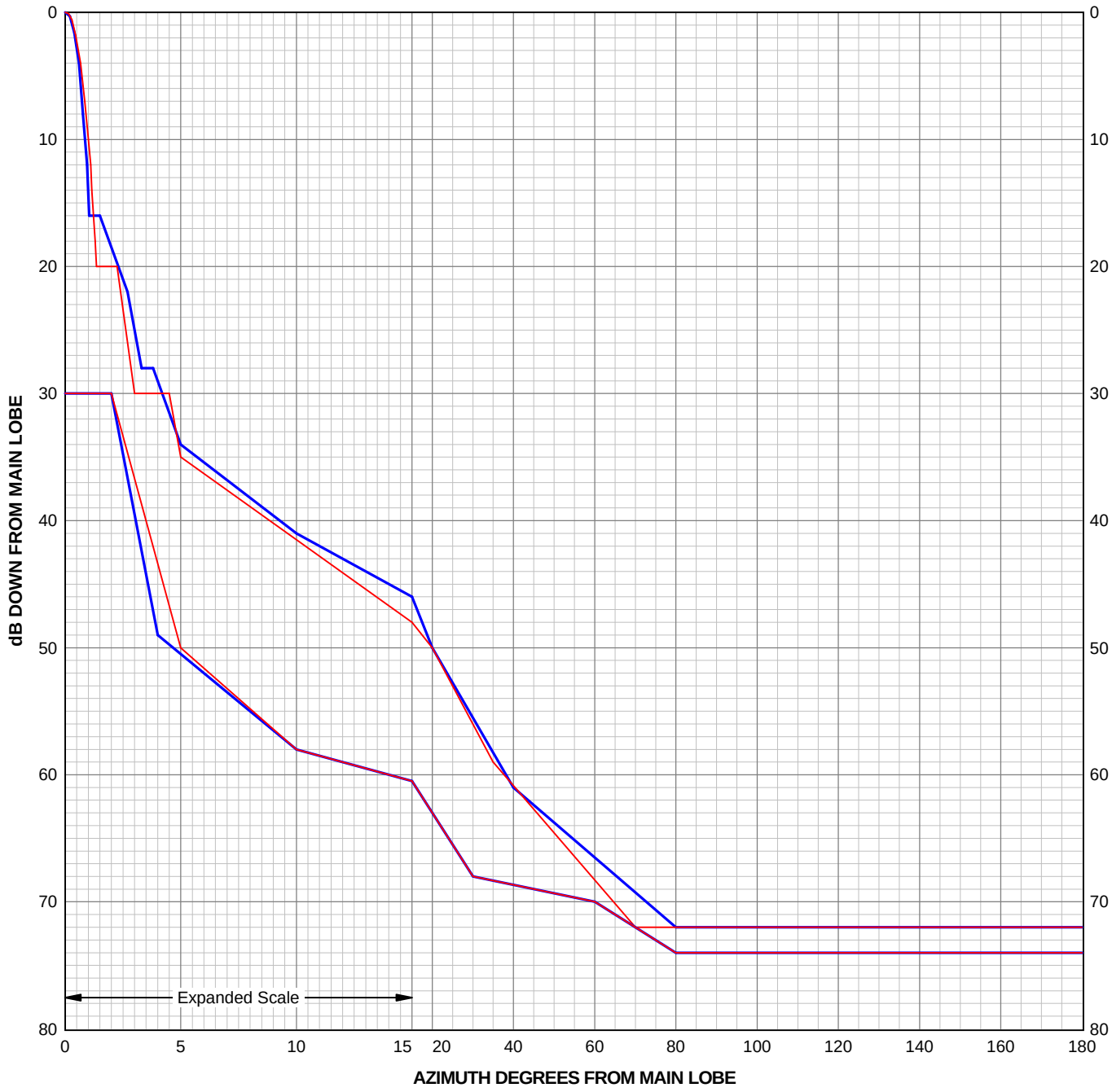
Antenna Type Number: SHPX2-38
2.00 Foot Antenna 37.000-40.000 GHz Dual Polarized
Gain: 45.20 dBi at 38.500 GHz
— Envelope for a Horizontally Polarized Antenna (HH, HV)
— Envelope for a Vertically Polarized Antenna (VV, VH)

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

ANDREW CORPORATION

RPE 7266B

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	-0.30	2.00	-30.00	0.15	-0.11	2.00	-30.00
0.40	-1.60	4.00	-49.00	0.29	-0.60	5.00	-50.00
0.60	-4.00	10.00	-58.00	0.45	-1.80	10.00	-58.00
0.77	-8.00	30.00	-68.00	0.66	-4.00	30.00	-68.00
0.95	-12.00	60.00	-70.00	0.85	-7.00	60.00	-70.00
1.04	-16.00	80.00	-74.00	1.00	-10.00	80.00	-74.00
1.50	-16.00	180.00	-74.00	1.10	-12.00	180.00	-74.00
2.70	-22.00			1.15	-14.00		
3.30	-28.00			1.30	-18.00		
3.80	-28.00			1.35	-20.00		
5.00	-34.00			2.25	-20.00		
10.00	-41.00			3.00	-30.00		
15.00	-46.00			4.50	-30.00		
20.00	-50.00			5.00	-35.00		
40.00	-61.00			15.00	-48.00		
80.00	-72.00			20.00	-50.00		
180.00	-72.00			35.00	-59.00		
				70.00	-72.00		
				180.00	-72.00		

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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