

### RADIATION PATTERN ENVELOPE

Antenna Type Number: SHPX3-6W  
3.00 Foot Antenna 5.925-7.125 GHz Dual Polarized  
Gain: 33.60 dBi at 6.525 GHz

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

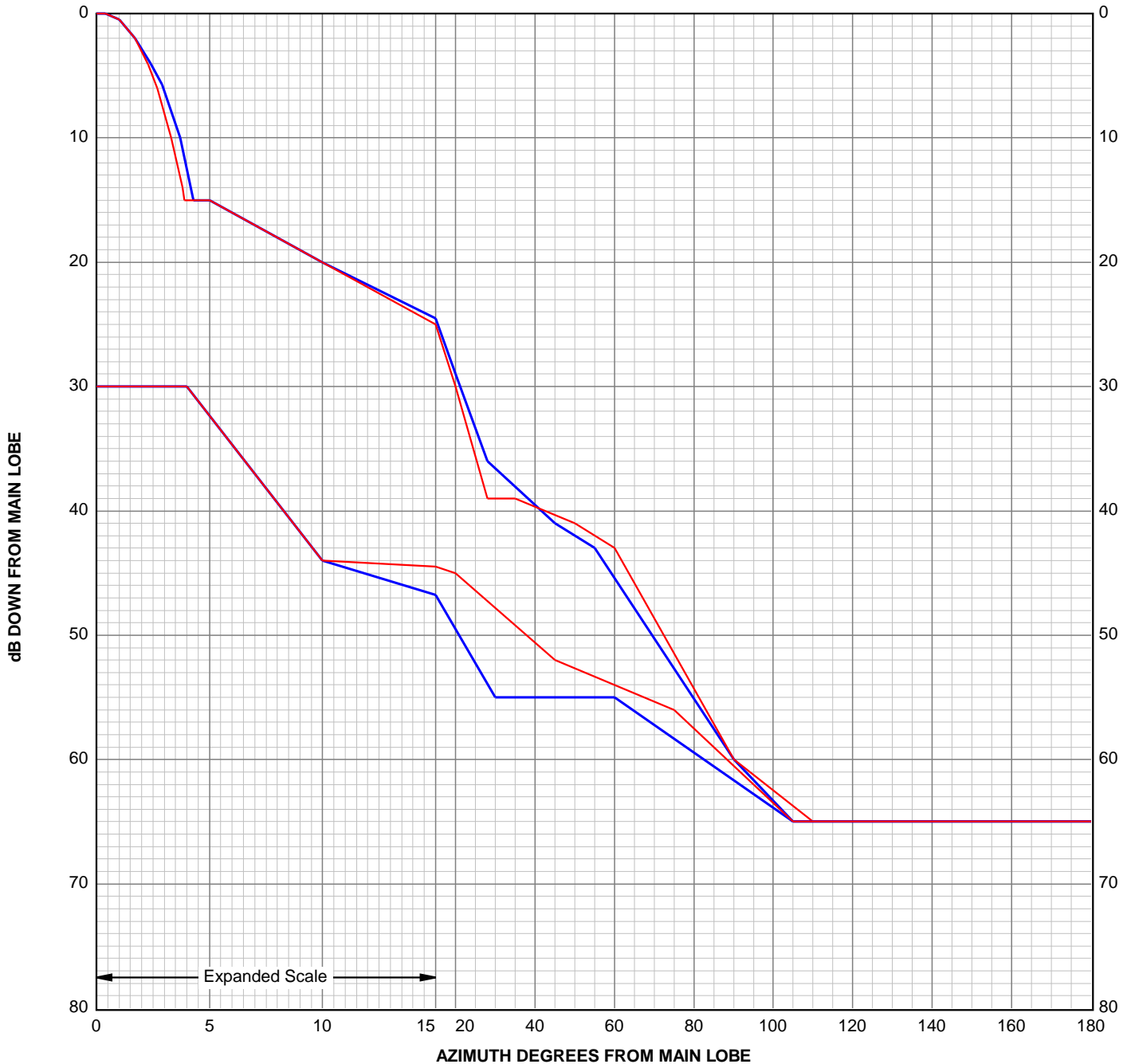
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".

ANDREW CORPORATION



RPE 7290A

Engineering Approved:  
6 March 2019



Antenna Type Number: SHPX3-6W  
 3.00 Foot Antenna 5.925-7.125 GHz Dual Polarized  
 Gain: 33.60 dBi at 6.525 GHz  
 RPE: 7290A  
 Engineering Approved: 6 March 2019



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
0.40	0.00	4.00	-30.00	0.40	0.00	4.00	-30.00
1.00	-0.50	10.00	-44.00	1.00	-0.50	10.00	-44.00
1.70	-2.00	30.00	-55.00	1.70	-2.00	20.00	-45.00
2.40	-4.00	60.00	-55.00	2.30	-4.10	45.00	-52.00
2.90	-5.70	105.00	-65.00	2.70	-6.00	75.00	-56.00
3.70	-10.00	180.00	-65.00	3.30	-10.00	105.00	-65.00
4.30	-15.00			3.80	-14.00	180.00	-65.00
5.00	-15.00			3.90	-15.00		
10.00	-20.00			5.00	-15.00		
20.00	-29.00			10.00	-20.00		
28.00	-36.00			20.00	-30.00		
45.00	-41.00			28.00	-39.00		
55.00	-43.00			35.00	-39.00		
90.00	-60.00			50.00	-41.00		
105.00	-65.00			60.00	-43.00		
180.00	-65.00			90.00	-60.00		
				110.00	-65.00		
				180.00	-65.00		

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