

### RADIATION PATTERN ENVELOPE

Antenna Type Number: SHPX4-6W  
4.00 Foot Antenna 5.925-7.125 GHz Dual Polarized  
Gain: 35.50 dBi at 6.525 GHz

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

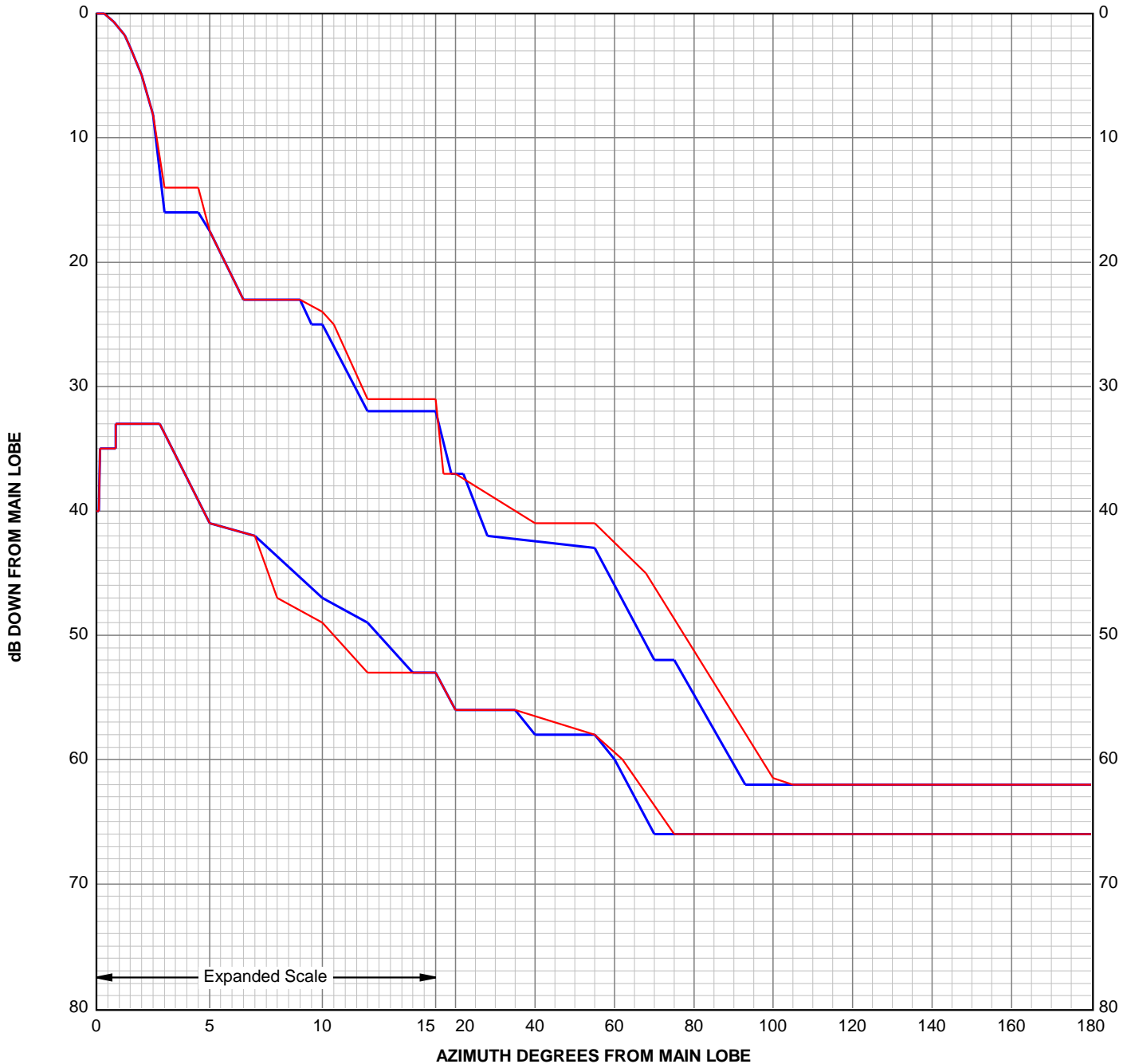
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".

ANDREW CORPORATION



RPE 7414

Engineering Approved:  
14 February 2019



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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	-40.00	0.00	0.00	0.00	-40.00
0.35	0.00	0.10	-40.00	0.35	0.00	0.10	-40.00
0.77	-0.68	0.15	-35.00	0.77	-0.68	0.15	-35.00
1.25	-1.76	0.85	-35.00	1.25	-1.76	0.85	-35.00
1.50	-2.71	0.86	-33.00	1.50	-2.71	0.86	-33.00
2.00	-4.94	2.80	-33.00	2.00	-4.94	2.80	-33.00
2.50	-8.12	5.00	-41.00	2.50	-8.12	5.00	-41.00
3.00	-16.00	7.00	-42.00	3.00	-14.00	7.00	-42.00
4.50	-16.00	10.00	-47.00	4.50	-14.00	8.00	-47.00
5.00	-17.50	12.00	-49.00	5.00	-17.50	10.00	-49.00
6.50	-23.00	14.00	-53.00	6.50	-23.00	12.00	-53.00
9.00	-23.00	15.00	-53.00	9.00	-23.00	15.00	-53.00
9.50	-25.00	20.00	-56.00	10.00	-24.00	20.00	-56.00
10.00	-25.00	35.00	-56.00	10.50	-25.00	35.00	-56.00
12.00	-32.00	40.00	-58.00	12.00	-31.00	55.00	-58.00
15.00	-32.00	55.00	-58.00	15.00	-31.00	62.00	-60.00
19.00	-37.00	60.00	-60.00	17.00	-37.00	75.00	-66.00
22.00	-37.00	70.00	-66.00	20.00	-37.00	180.00	-66.00
28.00	-42.00	180.00	-66.00	40.00	-41.00		
55.00	-43.00			55.00	-41.00		
70.00	-52.00			68.00	-45.00		
75.00	-52.00			100.00	-61.50		
93.00	-62.00			105.00	-62.00		
180.00	-62.00			180.00	-62.00		

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