

### RADIATION PATTERN ENVELOPE

Antenna Type Number: SHPX4-4  
4.00 Foot Antenna 4.400-5.000 GHz Dual Polarized  
Gain: 32.60 dBi at 4.700 GHz

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

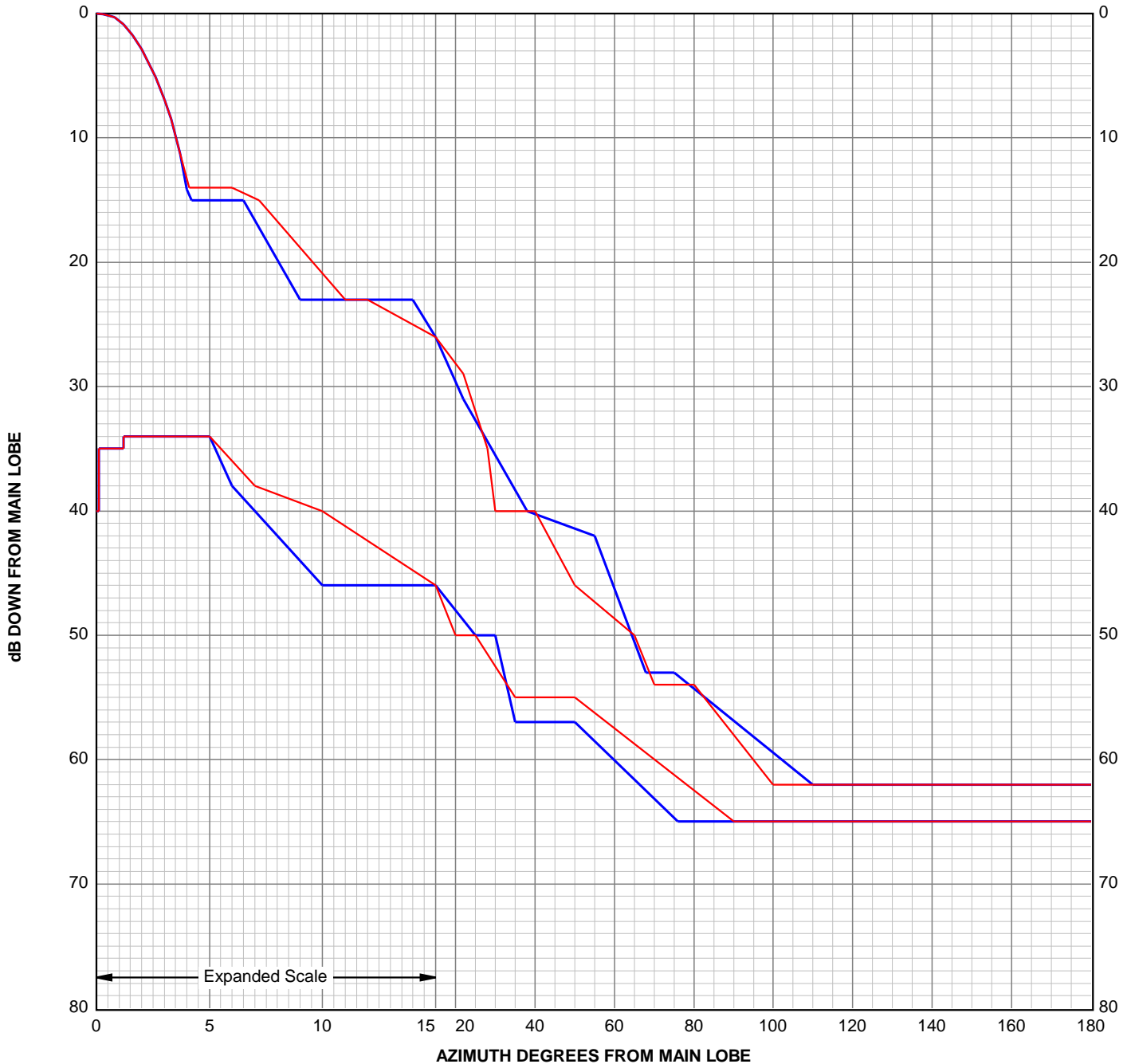
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".

ANDREW CORPORATION



RPE 7416

Engineering Approved:  
4 July 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
0.30	-0.03	0.10	-40.00	0.30	-0.03	0.10	-40.00
0.80	-0.31	0.11	-35.00	0.80	-0.31	0.11	-35.00
1.20	-0.88	1.19	-35.00	1.20	-0.88	1.19	-35.00
1.60	-1.73	1.20	-34.00	1.60	-1.73	1.20	-34.00
2.00	-2.87	5.00	-34.00	2.00	-2.87	5.00	-34.00
2.60	-5.10	6.00	-38.00	2.60	-5.10	7.00	-38.00
3.00	-6.94	10.00	-46.00	3.00	-6.94	10.00	-40.00
3.30	-8.50	15.00	-46.00	3.30	-8.50	15.00	-46.00
3.70	-11.30	25.00	-50.00	3.70	-11.30	20.00	-50.00
4.00	-14.17	30.00	-50.00	4.10	-14.00	25.00	-50.00
4.20	-15.00	35.00	-57.00	6.00	-14.00	35.00	-55.00
6.50	-15.00	50.00	-57.00	7.20	-15.00	50.00	-55.00
9.00	-23.00	76.00	-65.00	11.00	-23.00	90.00	-65.00
14.00	-23.00	180.00	-65.00	12.00	-23.00	180.00	-65.00
15.00	-26.00			15.00	-26.00		
22.00	-31.00			22.00	-29.00		
38.00	-40.00			28.00	-35.00		
55.00	-42.00			30.00	-40.00		
68.00	-53.00			40.00	-40.00		
75.00	-53.00			50.00	-46.00		
110.00	-62.00			65.00	-50.00		
180.00	-62.00			70.00	-54.00		
				80.00	-54.00		
				100.00	-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