

RADIATION PATTERN ENVELOPE

Antenna Type Number: SHPX4-11W
4.00 Foot Antenna 10.550-11.700 GHz Dual Polarized
Gain: 41.00 dBi at 11.125 GHz

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

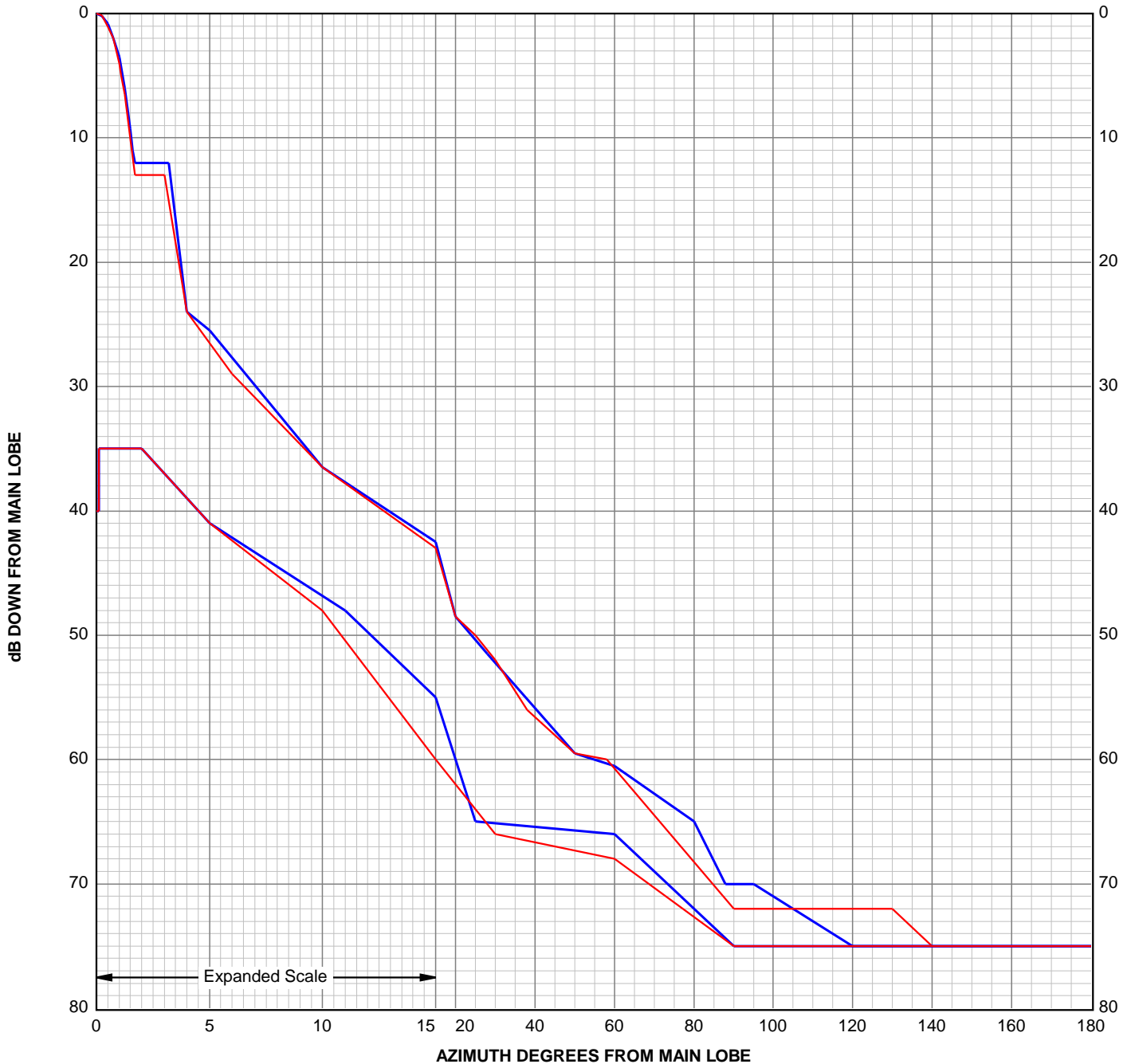
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".

ANDREW CORPORATION



RPE 7418

Engineering Approved:
13 February 2019



Antenna Type Number: SHPX4-11W
 4.00 Foot Antenna 10.550-11.700 GHz Dual Polarized
 Gain: 41.00 dBi at 11.125 GHz
 RPE: 7418
 Engineering Approved: 13 February 2019



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
0.25	-0.20	0.10	-40.00	0.25	-0.15	0.10	-40.00
0.50	-0.80	0.11	-35.00	0.50	-1.05	0.11	-35.00
0.75	-2.00	2.00	-35.00	0.75	-2.00	2.00	-35.00
1.00	-3.50	5.00	-41.00	1.00	-4.00	5.00	-41.00
1.25	-6.00	11.00	-48.00	1.10	-5.00	10.00	-48.00
1.50	-9.25	15.00	-55.00	1.25	-6.50	15.00	-60.00
1.60	-11.00	25.00	-65.00	1.50	-10.00	30.00	-66.00
1.70	-12.00	60.00	-66.00	1.70	-13.00	60.00	-68.00
3.20	-12.00	90.00	-75.00	3.00	-13.00	90.00	-75.00
4.00	-24.00	180.00	-75.00	4.00	-24.00	180.00	-75.00
5.00	-25.50			6.00	-29.00		
10.00	-36.50			10.00	-36.50		
15.00	-42.50			15.00	-43.00		
20.00	-48.50			20.00	-48.50		
28.00	-51.50			25.00	-50.00		
50.00	-59.50			30.00	-52.00		
60.00	-60.50			38.00	-56.00		
80.00	-65.00			50.00	-59.50		
88.00	-70.00			58.00	-60.00		
95.00	-70.00			90.00	-72.00		
120.00	-75.00			130.00	-72.00		
180.00	-75.00			140.00	-75.00		
				180.00	-75.00		

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