

### RADIATION PATTERN ENVELOPE

Antenna Type Number: SHP3-11W  
3.00 Foot Antenna 10.125-11.700 GHz Single Polarized  
Gain: 38.40 dBi at 10.912 GHz

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

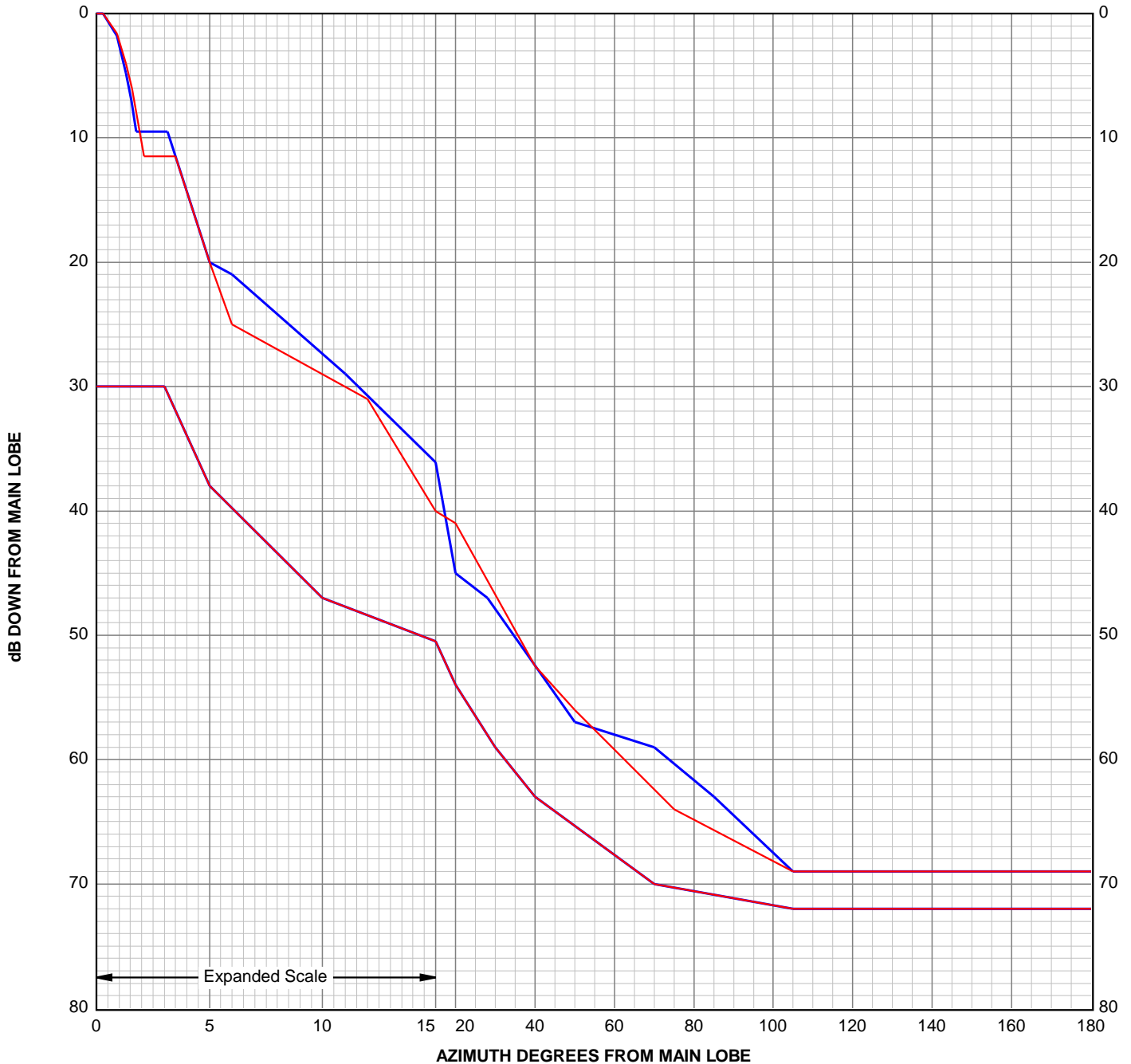
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".

ANDREW CORPORATION



RPE 7293B

Engineering Approved:  
10 June 2020



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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	-30.00	0.00	0.00	0.00	-30.00
0.30	0.00	3.00	-30.00	0.30	0.00	3.00	-30.00
0.90	-1.80	5.00	-38.00	0.90	-1.60	5.00	-38.00
1.30	-4.80	10.00	-47.00	1.30	-4.00	10.00	-47.00
1.55	-7.00	20.00	-54.00	1.57	-6.00	20.00	-54.00
1.75	-9.50	30.00	-59.00	2.10	-11.50	30.00	-59.00
3.15	-9.50	40.00	-63.00	3.50	-11.50	40.00	-63.00
5.00	-20.00	70.00	-70.00	5.00	-20.00	70.00	-70.00
6.00	-21.00	105.00	-72.00	6.00	-25.00	105.00	-72.00
11.00	-29.00	180.00	-72.00	12.00	-31.00	180.00	-72.00
20.00	-45.00			15.00	-40.00		
28.00	-47.00			20.00	-41.00		
50.00	-57.00			40.00	-52.50		
70.00	-59.00			50.00	-56.00		
85.00	-63.00			75.00	-64.00		
105.00	-69.00			105.00	-69.00		
180.00	-69.00			180.00	-69.00		

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