

RADIATION PATTERN ENVELOPE

Antenna Type Number: SHP3-11W
3.00 Foot Antenna 10.700-11.700 GHz Single Polarized
Gain: 38.70 dBi at 11.200 GHz

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

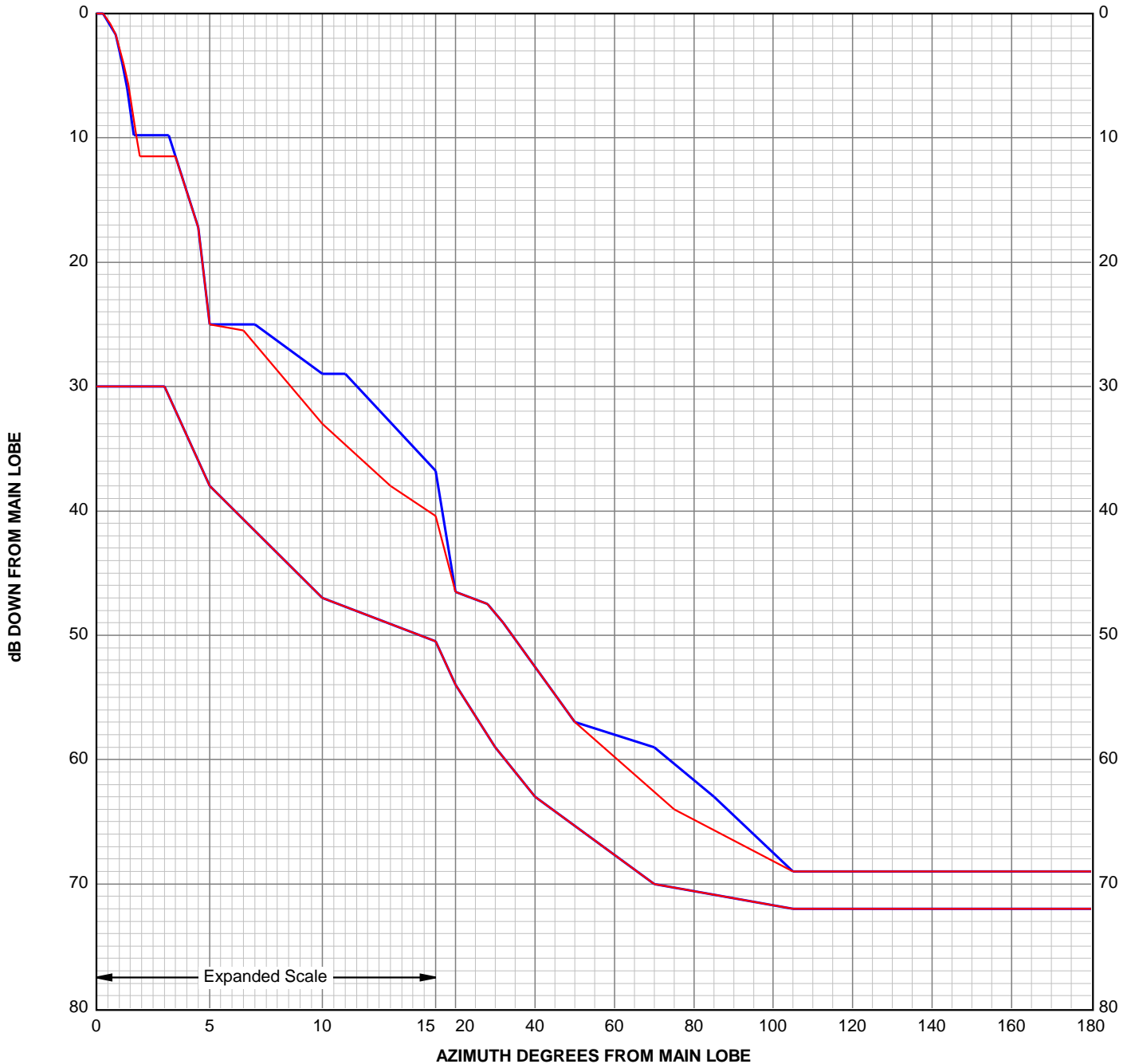
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".

ANDREW CORPORATION



RPE 7291B

Engineering Approved:
10 June 2020



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 RPE: 7291B
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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
0.85	-1.70	5.00	-38.00	0.60	-0.80	5.00	-38.00
1.15	-4.00	10.00	-47.00	0.85	-1.70	10.00	-47.00
1.37	-6.00	20.00	-54.00	1.20	-4.00	20.00	-54.00
1.65	-9.80	30.00	-59.00	1.40	-5.70	30.00	-59.00
3.20	-9.80	40.00	-63.00	1.77	-9.80	40.00	-63.00
4.50	-17.20	70.00	-70.00	1.93	-11.50	70.00	-70.00
5.00	-25.00	105.00	-72.00	3.50	-11.50	105.00	-72.00
7.00	-25.00	180.00	-72.00	4.50	-17.20	180.00	-72.00
10.00	-29.00			5.00	-25.00		
11.00	-29.00			6.50	-25.50		
20.00	-46.50			10.00	-33.00		
28.00	-47.50			13.00	-38.00		
32.00	-49.00			20.00	-46.50		
50.00	-57.00			28.00	-47.50		
70.00	-59.00			32.00	-49.00		
85.00	-63.00			50.00	-57.00		
105.00	-69.00			75.00	-64.00		
180.00	-69.00			105.00	-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