

RADIATION PATTERN ENVELOPE

Antenna Type Number: SHP3-13
3.00 Foot Antenna 12.700-13.250 GHz Single Polarized
Gain: 40.00 dBi at 12.975 GHz

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

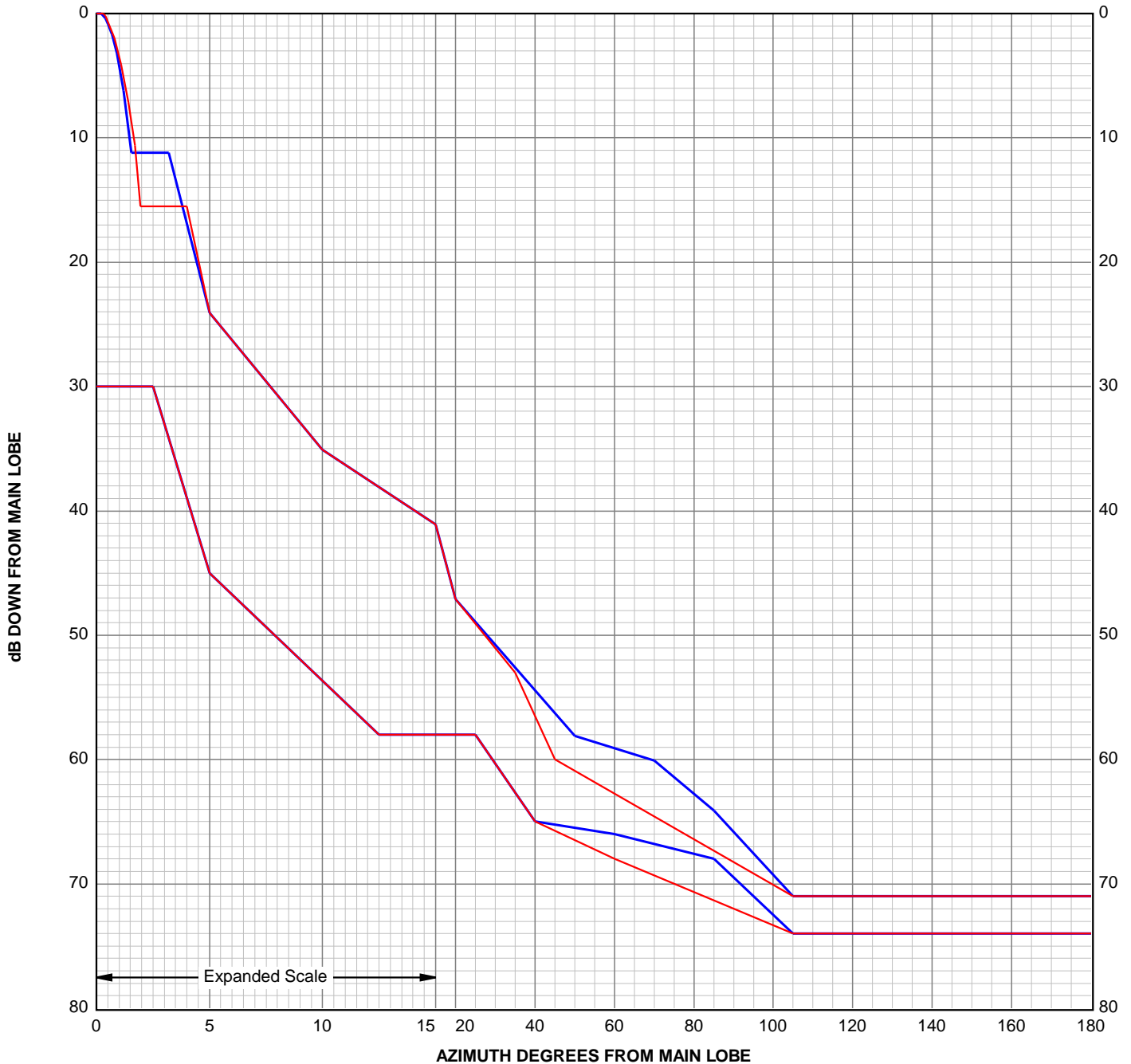
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".

ANDREW CORPORATION



RPE 7295B

Engineering Approved:
10 June 2020



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 RPE: 7295B
 Engineering Approved: 10 June 2020



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
0.20	0.00	2.50	-30.00	0.30	0.00	2.50	-30.00
0.40	-0.40	5.00	-45.00	0.40	-0.20	5.00	-45.00
0.50	-0.80	12.50	-58.00	0.80	-2.00	12.50	-58.00
0.70	-1.70	25.00	-58.00	1.10	-4.10	25.00	-58.00
0.90	-3.20	40.00	-65.00	1.40	-7.10	40.00	-65.00
1.20	-6.20	60.00	-66.00	1.70	-10.60	60.00	-68.00
1.55	-11.20	85.00	-68.00	1.95	-15.50	105.00	-74.00
3.20	-11.20	105.00	-74.00	4.00	-15.50	180.00	-74.00
5.00	-24.10	180.00	-74.00	5.00	-24.10		
10.00	-35.10			10.00	-35.10		
20.00	-47.10			20.00	-47.10		
50.00	-58.10			35.00	-53.00		
70.00	-60.10			45.00	-60.00		
85.00	-64.10			105.00	-71.00		
105.00	-71.00			180.00	-71.00		
180.00	-71.00						

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