

RADIATION PATTERN ENVELOPE

Antenna Type Number: SHP3-15
3.00 Foot Antenna 14.400-15.350 GHz Single Polarized
Gain: 41.70 dBi at 14.875 GHz

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

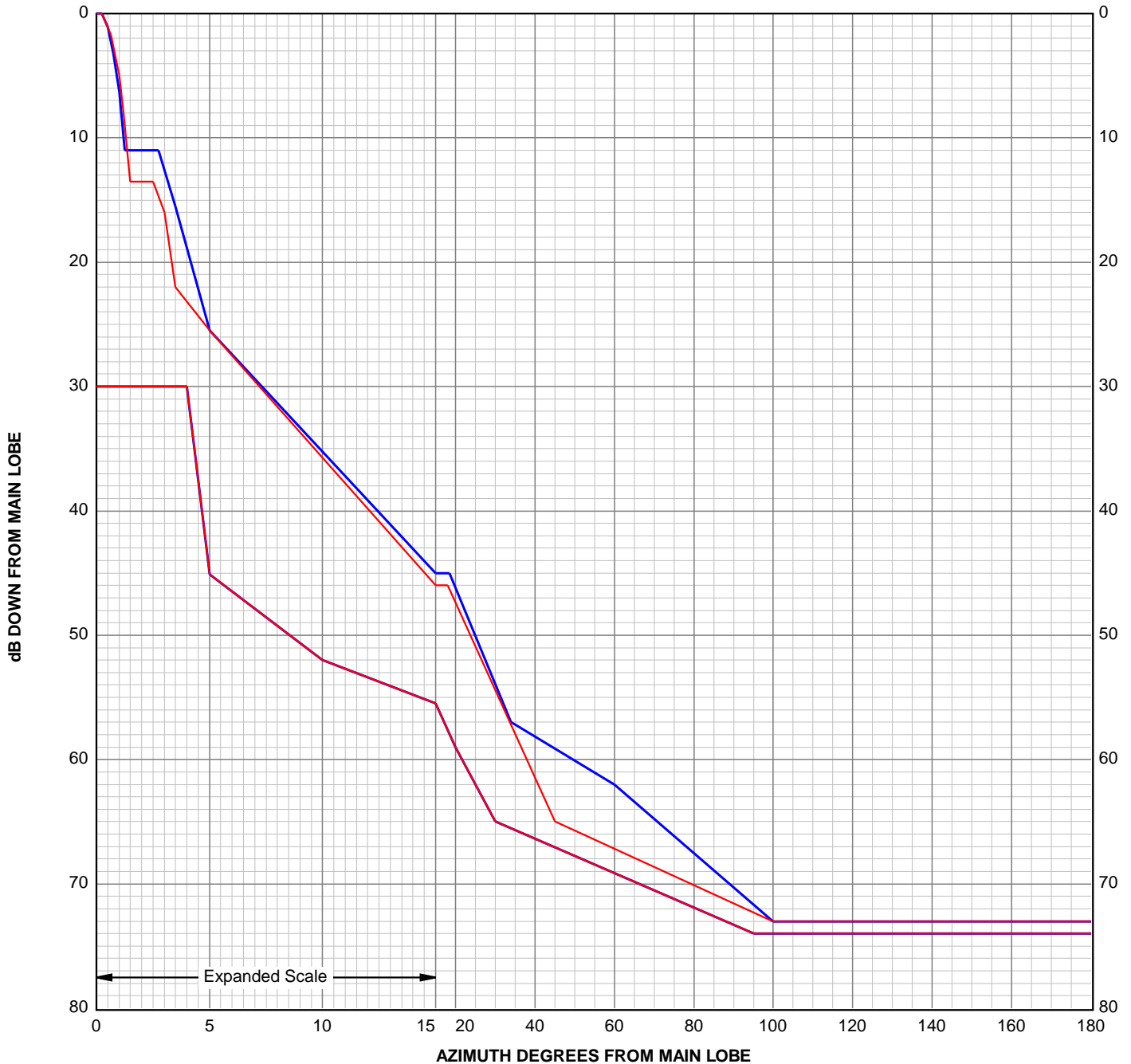
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".

ANDREW CORPORATION



RPE 7297B

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
0.23	0.00	4.00	-30.00	0.23	0.00	4.00	-30.00
0.50	-1.10	5.00	-45.10	0.65	-1.70	5.00	-45.10
0.75	-3.20	10.00	-52.00	1.00	-5.00	10.00	-52.00
1.00	-6.30	20.00	-59.00	1.20	-8.00	20.00	-59.00
1.25	-11.00	30.00	-65.00	1.50	-13.50	30.00	-65.00
2.75	-11.00	95.00	-74.00	2.50	-13.50	95.00	-74.00
3.50	-15.50	180.00	-74.00	3.00	-16.00	180.00	-74.00
5.00	-25.50			3.50	-22.00		
15.00	-45.00			5.00	-25.50		
18.50	-45.00			15.00	-46.00		
34.00	-57.00			18.00	-46.00		
60.00	-62.00			45.00	-65.00		
100.00	-73.00			100.00	-73.00		
180.00	-73.00			180.00	-73.00		

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

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