

RADIATION PATTERN ENVELOPE

Antenna Type Number: SHP2-18
2.00 Foot Antenna 17.700-19.700 GHz Single Polarized
Gain: 38.90 dBi at 18.700 GHz

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

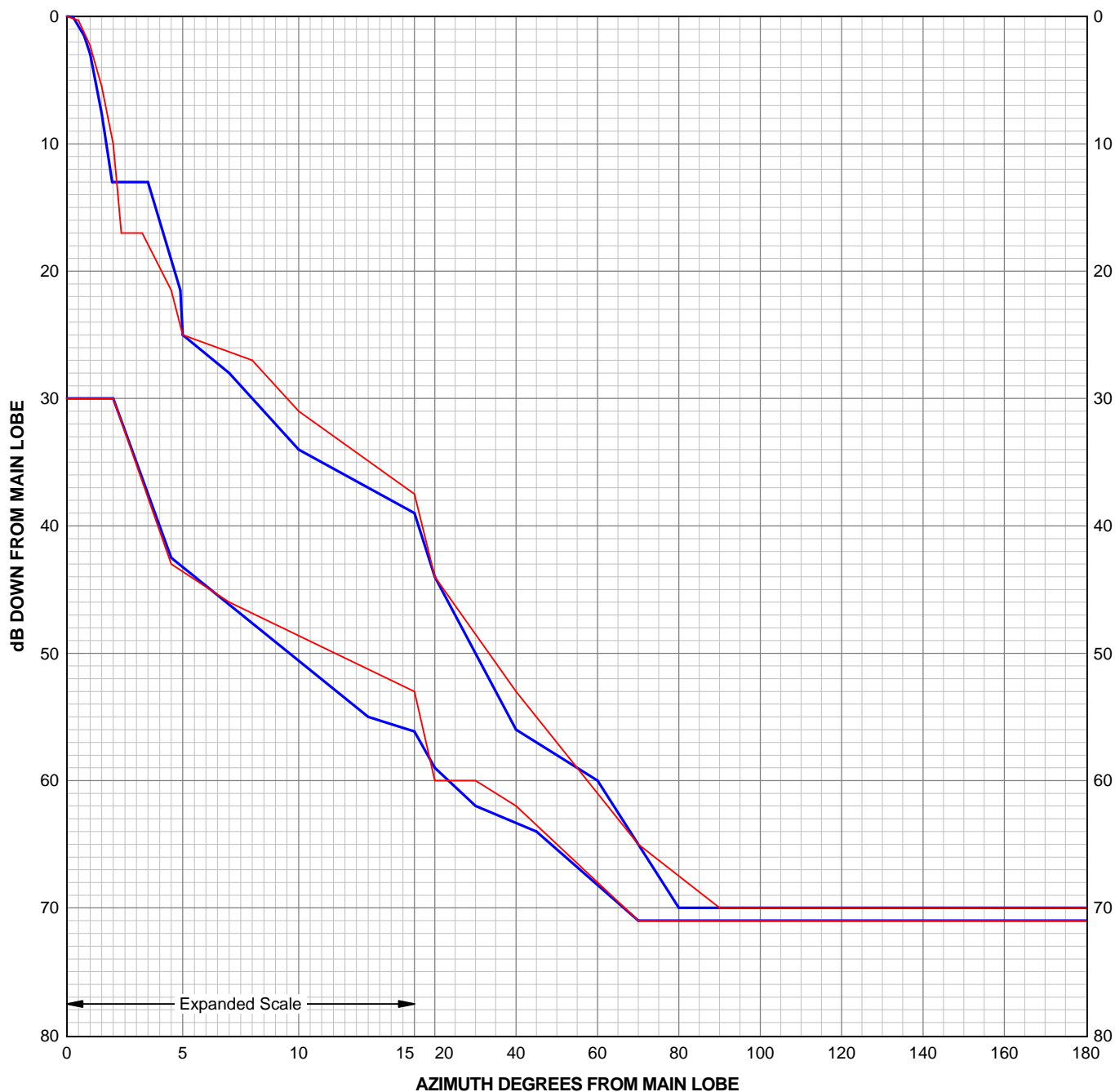
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".



RPE 7255B

Engineering Approved:
14 August 2013

ANDREW CORPORATION



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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
0.26	-0.05	2.00	-30.00	0.50	-0.30	2.00	-30.00
0.75	-1.52	4.50	-42.50	1.00	-2.30	4.50	-43.00
1.00	-2.98	13.00	-55.00	1.10	-3.00	7.00	-46.00
1.50	-7.63	20.00	-59.00	1.50	-5.50	15.00	-53.00
1.95	-13.00	30.00	-62.00	2.00	-10.00	20.00	-60.00
3.50	-13.00	45.00	-64.00	2.20	-14.00	30.00	-60.00
4.90	-21.50	70.00	-71.00	2.35	-17.00	40.00	-62.00
5.00	-25.00	180.00	-71.00	3.25	-17.00	70.00	-71.00
7.00	-28.00			4.50	-21.50	180.00	-71.00
10.00	-34.00			5.00	-25.00		
20.00	-44.00			8.00	-27.00		
40.00	-56.00			10.00	-31.00		
60.00	-60.00			20.00	-44.00		
80.00	-70.00			40.00	-53.00		
180.00	-70.00			70.00	-65.00		
				90.00	-70.00		
				180.00	-70.00		

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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