

RADIATION PATTERN ENVELOPE

Antenna Type Number: HX10-11W
10.00 Foot Antenna 10.000-11.700 GHz Dual Polarized
Gain: 47.90 dBi at 10.850 GHz
— Envelope for a Horizontally Polarized Antenna (HH, HV)
— Envelope for a Vertically Polarized Antenna (VV, VH)

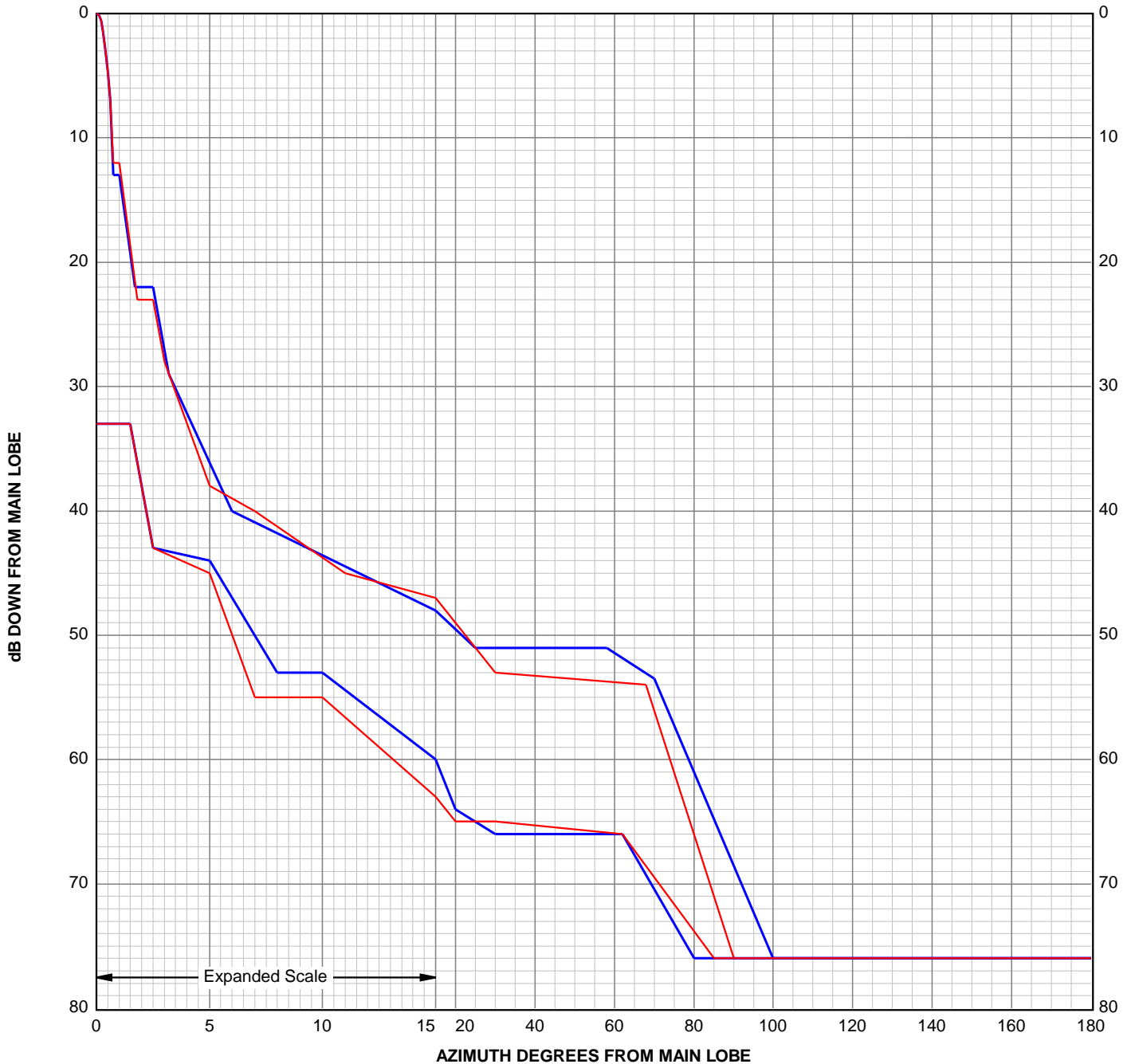
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".

ANDREW CORPORATION



RPE 7420

Engineering Approved:
5 March 2019



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 RPE: 7420
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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	-33.00	0.00	0.00	0.00	-33.00
0.10	-0.10	1.50	-33.00	0.10	-0.10	1.50	-33.00
0.20	-0.60	2.50	-43.00	0.20	-0.60	2.50	-43.00
0.30	-1.50	5.00	-44.00	0.30	-1.50	5.00	-45.00
0.40	-3.00	8.00	-53.00	0.40	-3.00	7.00	-55.00
0.50	-4.70	10.00	-53.00	0.50	-4.70	10.00	-55.00
0.60	-7.00	15.00	-60.00	0.60	-7.00	15.00	-63.00
0.75	-13.00	20.00	-64.00	0.75	-12.00	20.00	-65.00
1.00	-13.00	30.00	-66.00	1.00	-12.00	30.00	-65.00
1.70	-22.00	62.00	-66.00	1.80	-23.00	62.00	-66.00
2.50	-22.00	80.00	-76.00	2.50	-23.00	85.00	-76.00
3.20	-29.00	180.00	-76.00	3.00	-28.00	180.00	-76.00
6.00	-40.00			5.00	-38.00		
15.00	-48.00			7.00	-40.00		
25.00	-51.00			11.00	-45.00		
58.00	-51.00			15.00	-47.00		
70.00	-53.50			30.00	-53.00		
100.00	-76.00			68.00	-54.00		
180.00	-76.00			90.00	-76.00		
				180.00	-76.00		

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