

RADIATION PATTERN ENVELOPE

Antenna Type Number: HX6-11W
6.00 Foot Antenna 10.000-11.700 GHz Dual Polarized
Gain: 43.60 dBi at 10.850 GHz
— Envelope for a Horizontally Polarized Antenna (HH, HV)
— Envelope for a Vertically Polarized Antenna (VV, VH)

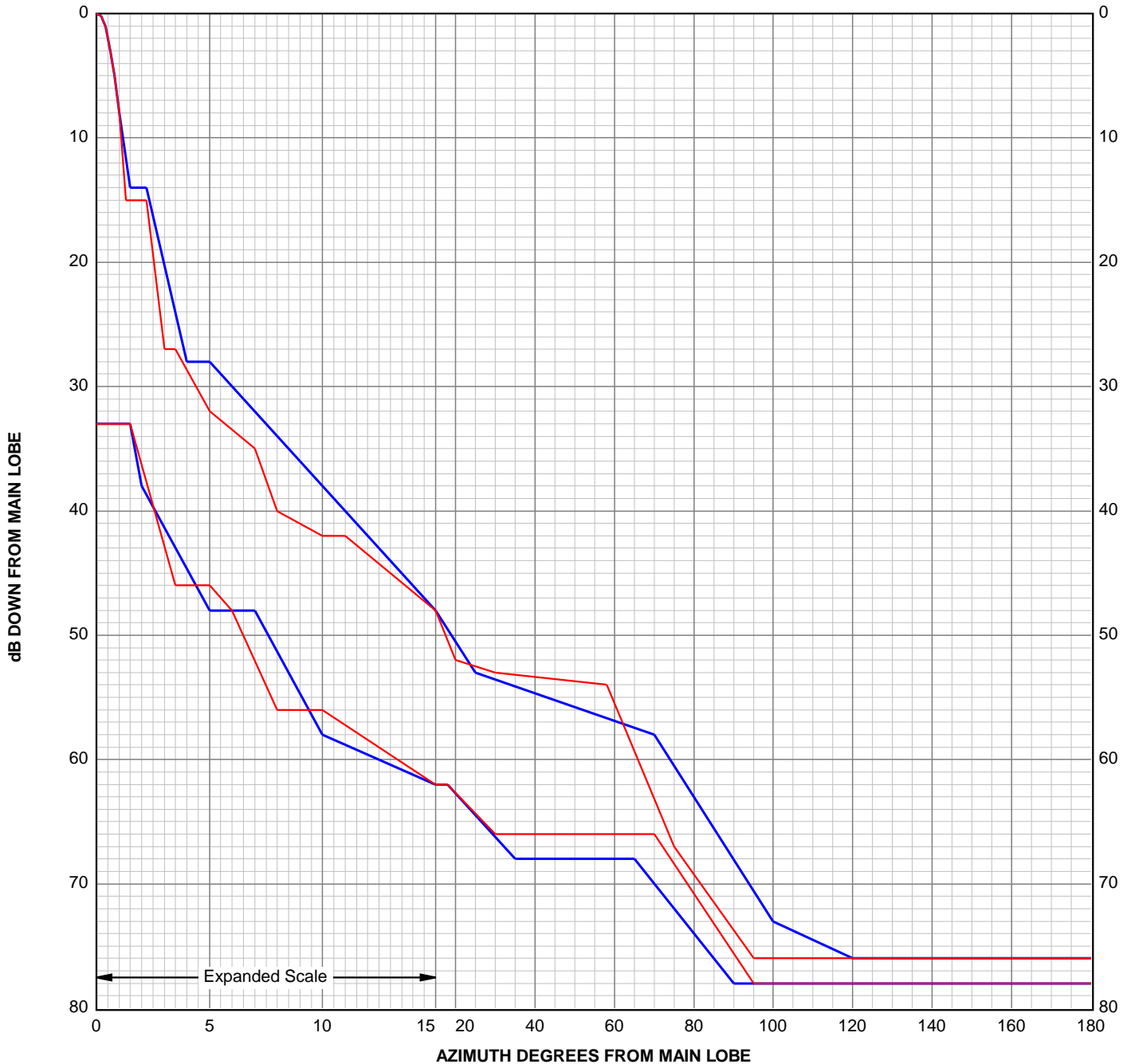
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".

ANDREW CORPORATION



RPE 7378

Engineering Approved:
6 February 2018



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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
0.20	-0.20	1.50	-33.00	0.20	-0.20	1.50	-33.00
0.30	-0.60	2.00	-38.00	0.30	-0.60	3.50	-46.00
0.40	-1.00	5.00	-48.00	0.40	-1.00	5.00	-46.00
0.50	-2.00	7.00	-48.00	0.50	-2.00	6.00	-48.00
0.60	-3.00	10.00	-58.00	0.60	-3.00	8.00	-56.00
0.80	-5.00	15.00	-62.00	0.80	-5.00	10.00	-56.00
1.00	-8.00	18.00	-62.00	1.00	-8.00	15.00	-62.00
1.50	-14.00	35.00	-68.00	1.30	-15.00	18.00	-62.00
2.20	-14.00	65.00	-68.00	2.20	-15.00	30.00	-66.00
4.00	-28.00	90.00	-78.00	3.00	-27.00	70.00	-66.00
5.00	-28.00	180.00	-78.00	3.50	-27.00	95.00	-78.00
15.00	-48.00			5.00	-32.00	180.00	-78.00
25.00	-53.00			7.00	-35.00		
70.00	-58.00			8.00	-40.00		
100.00	-73.00			10.00	-42.00		
120.00	-76.00			11.00	-42.00		
180.00	-76.00			15.00	-48.00		
				20.00	-52.00		
				30.00	-53.00		
				58.00	-54.00		
				75.00	-67.00		
				95.00	-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