

RADIATION PATTERN ENVELOPE

Antenna Type Number: HX8-11W
8.00 Foot Antenna 10.000-11.700 GHz Dual Polarized
Gain: 46.00 dBi at 10.850 GHz
— Envelope for a Horizontally Polarized Antenna (HH, HV)
— Envelope for a Vertically Polarized Antenna (VV, VH)

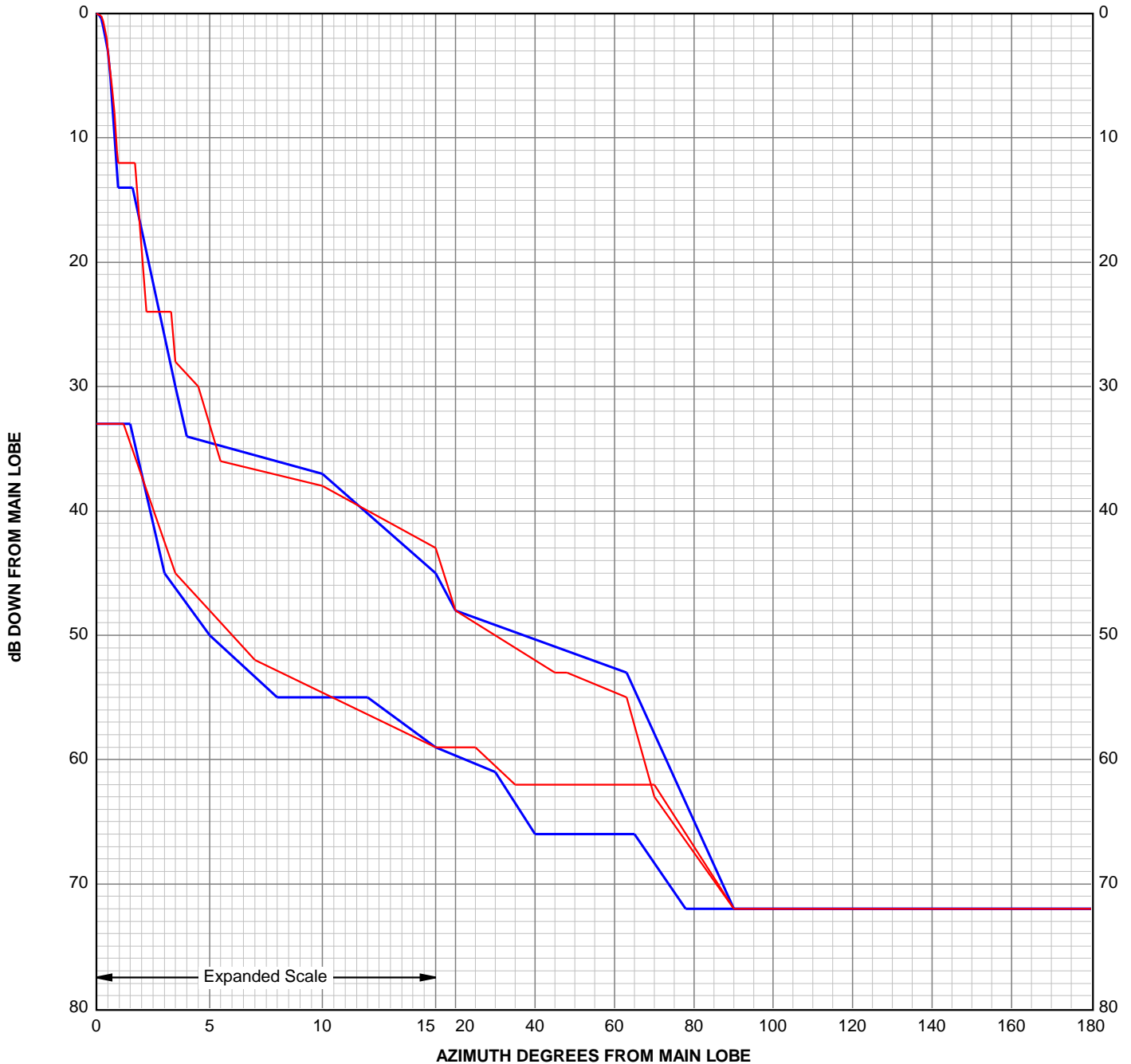
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".

ANDREW CORPORATION



RPE 7391

Engineering Approved:
17 July 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
0.10	-0.10	1.50	-33.00	0.20	-0.20	1.20	-33.00
0.20	-0.40	3.00	-45.00	0.30	-0.60	3.50	-45.00
0.30	-1.00	5.00	-50.00	0.35	-1.00	5.00	-48.00
0.40	-2.00	8.00	-55.00	0.45	-2.00	7.00	-52.00
0.50	-3.00	12.00	-55.00	0.50	-3.00	15.00	-59.00
0.60	-5.00	15.00	-59.00	0.70	-6.00	25.00	-59.00
0.95	-14.00	30.00	-61.00	0.80	-8.00	35.00	-62.00
1.60	-14.00	40.00	-66.00	0.90	-11.00	70.00	-62.00
3.50	-30.00	65.00	-66.00	0.95	-12.00	90.00	-72.00
4.00	-34.00	78.00	-72.00	1.70	-12.00	180.00	-72.00
10.00	-37.00	180.00	-72.00	2.20	-24.00		
15.00	-45.00			3.30	-24.00		
20.00	-48.00			3.50	-28.00		
63.00	-53.00			4.50	-30.00		
90.00	-72.00			5.50	-36.00		
180.00	-72.00			10.00	-38.00		
				15.00	-43.00		
				20.00	-48.00		
				45.00	-53.00		
				48.00	-53.00		
				63.00	-55.00		
				70.00	-63.00		
				90.00	-72.00		
				180.00	-72.00		

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