

RADIATION PATTERN ENVELOPE

Antenna Type Number: HX8-13W
8.00 Foot Antenna 12.200-13.250 GHz Dual Polarized
Gain: 47.60 dBi at 12.725 GHz
— Envelope for a Horizontally Polarized Antenna (HH, HV)
— Envelope for a Vertically Polarized Antenna (VV, VH)

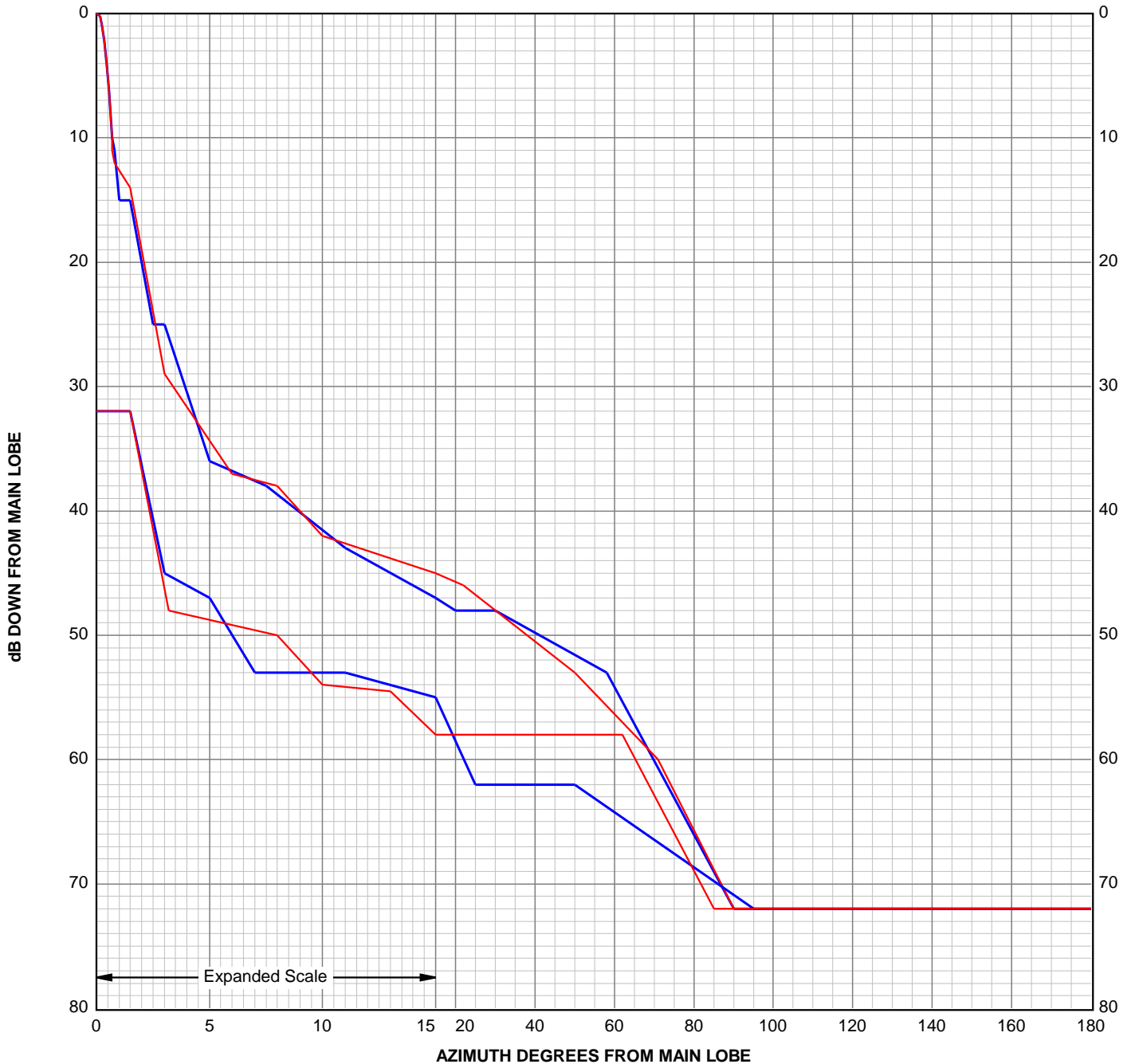
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".

ANDREW CORPORATION



RPE 7392

Engineering Approved:
17 July 2018



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 RPE: 7392
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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	-32.00	0.00	0.00	0.00	-32.00
0.15	-0.20	1.50	-32.00	0.15	-0.20	1.50	-32.00
0.25	-0.90	3.00	-45.00	0.25	-0.90	3.20	-48.00
0.35	-2.20	5.00	-47.00	0.35	-2.20	8.00	-50.00
0.45	-4.05	7.00	-53.00	0.45	-4.05	10.00	-54.00
0.55	-6.25	11.00	-53.00	0.55	-6.25	13.00	-54.50
0.68	-10.00	15.00	-55.00	0.68	-10.00	15.00	-58.00
0.80	-11.00	25.00	-62.00	0.70	-11.00	62.00	-58.00
1.00	-15.00	50.00	-62.00	0.80	-12.00	85.00	-72.00
1.50	-15.00	95.00	-72.00	1.50	-14.00	180.00	-72.00
2.50	-25.00	180.00	-72.00	3.00	-29.00		
3.00	-25.00			6.00	-37.00		
5.00	-36.00			8.00	-38.00		
7.50	-38.00			10.00	-42.00		
11.00	-43.00			15.00	-45.00		
15.00	-47.00			22.00	-46.00		
20.00	-48.00			50.00	-53.00		
30.00	-48.00			71.00	-60.00		
58.00	-53.00			90.00	-72.00		
90.00	-72.00			180.00	-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