

# RADIATION PATTERN ENVELOPE

Antenna Type Number: HX6-611B  
6.00 Foot Antenna 10.000-11.700 GHz Dual Polarized  
Gain: 43.30 dBi at 10.850 GHz  
— Envelope for a Horizontally Polarized Antenna (HH, HV)  
— Envelope for a Vertically Polarized Antenna (VV, VH)

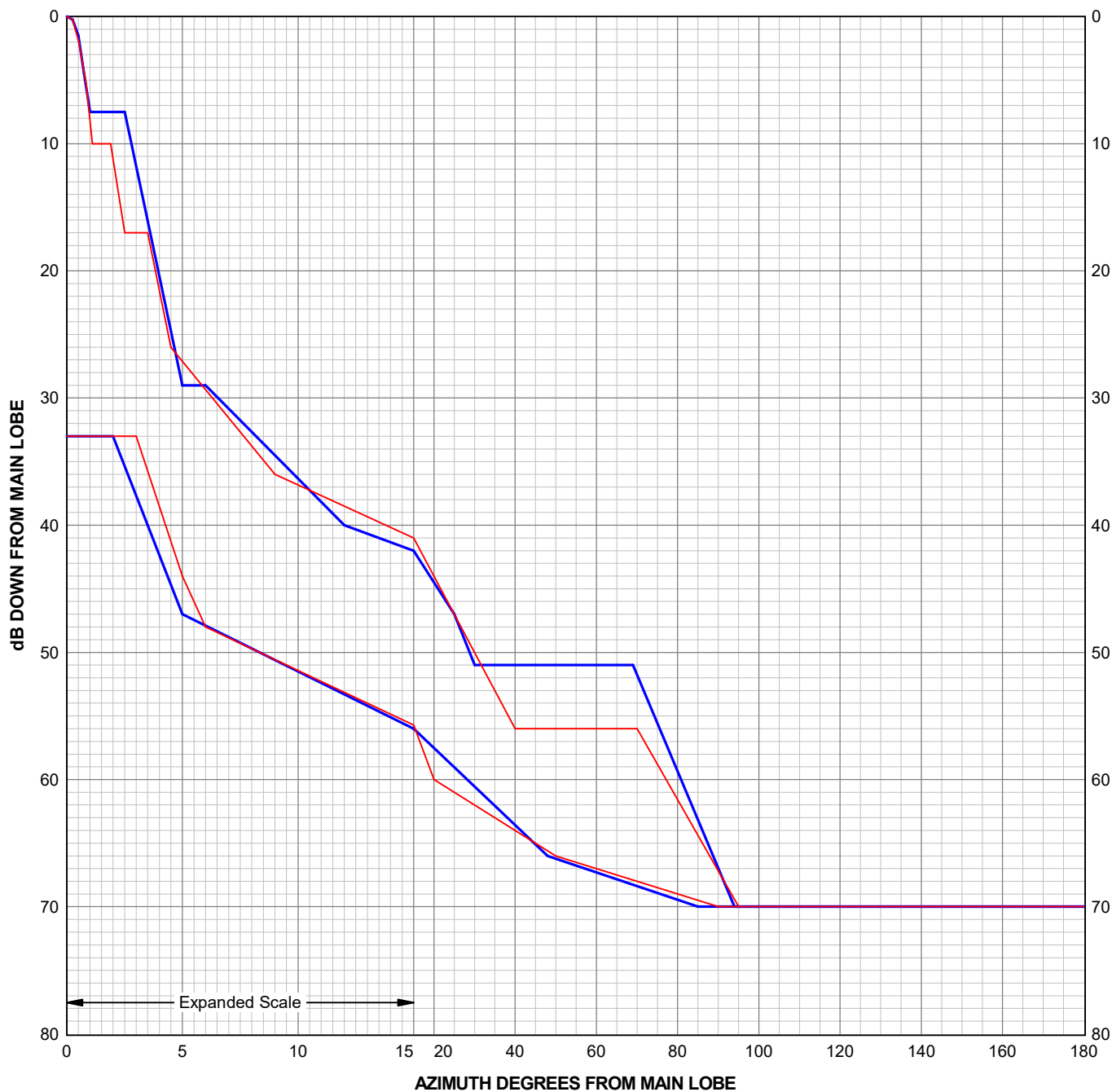
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".



RPE 7454B

Engineering Approved:  
14 June 2024

ANDREW CORPORATION



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 RPE: 7454B  
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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
0.25	-0.25	2.00	-33.00	0.25	-0.25	3.00	-33.00
0.50	-1.50	5.00	-47.00	0.52	-2.00	5.00	-44.00
0.75	-4.50	15.00	-56.00	0.84	-5.30	6.00	-48.00
1.00	-7.50	48.00	-66.00	1.10	-10.00	20.00	-60.00
2.50	-7.50	85.00	-70.00	1.90	-10.00	50.00	-66.00
5.00	-29.00	180.00	-70.00	2.50	-17.00	90.00	-70.00
6.00	-29.00			3.50	-17.00	180.00	-70.00
12.00	-40.00			4.50	-26.00		
15.00	-42.00			9.00	-36.00		
25.00	-47.00			15.00	-41.00		
30.00	-51.00			40.00	-56.00		
69.00	-51.00			70.00	-56.00		
94.00	-70.00			95.00	-70.00		
180.00	-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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