

RADIATION PATTERN ENVELOPE

Antenna Type Number: USX6-611

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)

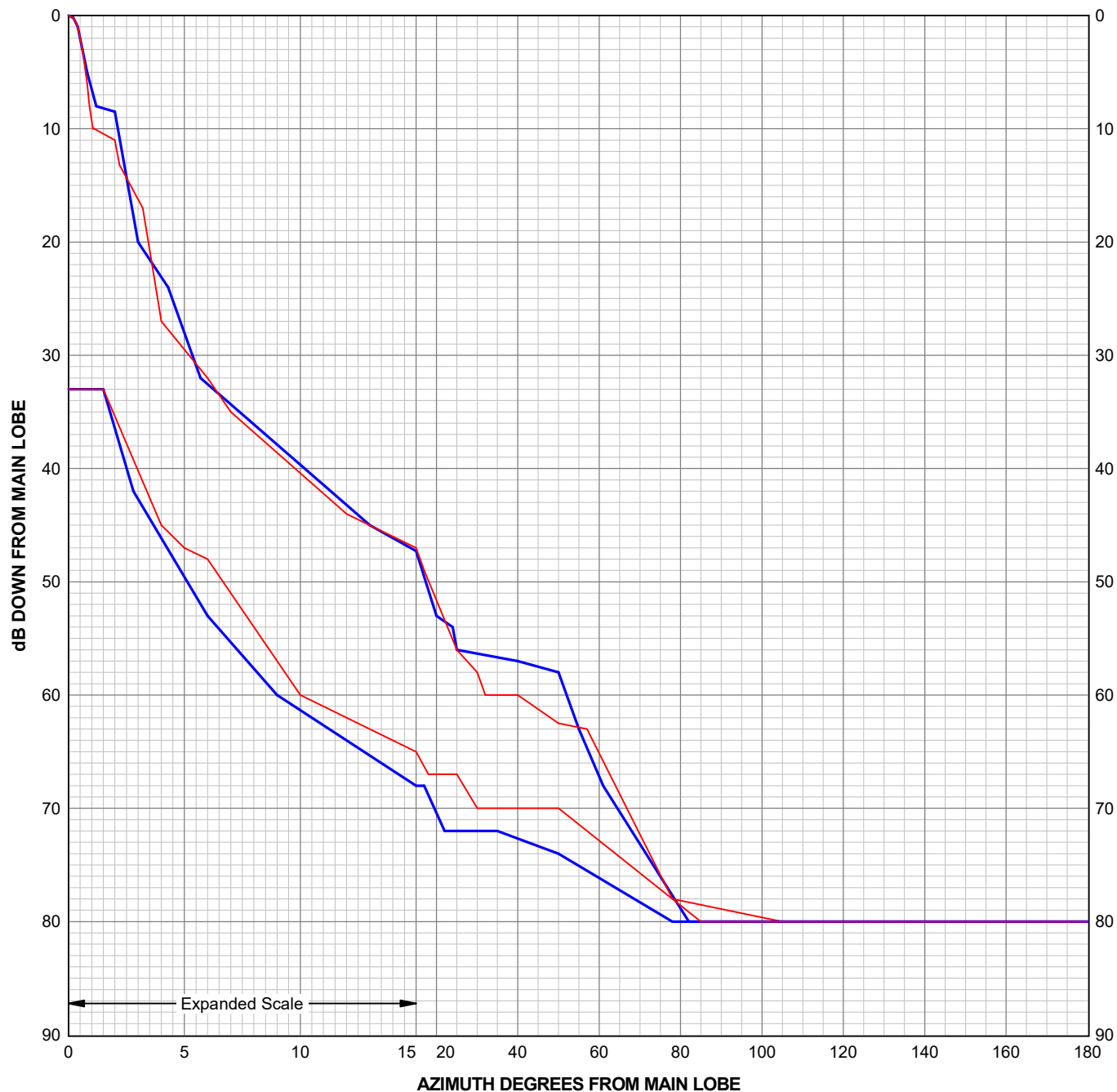
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".



RPE 7456

Engineering Approved:
22 August 2025

ANDREW CORPORATION



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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	2.80	-42.00	0.30	-0.60	4.00	-45.00
0.40	-1.00	6.00	-53.00	0.40	-1.00	5.00	-47.00
0.50	-2.00	9.00	-60.00	0.50	-2.00	6.00	-48.00
0.60	-3.00	15.00	-68.00	0.60	-3.00	10.00	-60.00
0.80	-5.00	17.00	-68.00	0.80	-6.00	15.00	-65.00
1.20	-8.00	22.00	-72.00	0.90	-8.00	18.00	-67.00
2.00	-8.50	35.00	-72.00	1.05	-10.00	25.00	-67.00
3.00	-20.00	50.00	-74.00	1.10	-10.00	30.00	-70.00
4.30	-24.00	78.00	-80.00	2.00	-11.00	50.00	-70.00
5.70	-32.00	180.00	-80.00	2.20	-13.20	85.00	-80.00
13.00	-45.00			3.20	-17.00	180.00	-80.00
20.00	-53.00			4.00	-27.00		
24.00	-54.00			6.00	-32.00		
25.00	-56.00			7.00	-35.00		
40.00	-57.00			12.00	-44.00		
50.00	-58.00			17.00	-49.00		
55.00	-63.00			25.00	-56.00		
61.00	-68.00			30.00	-58.00		
82.00	-80.00			32.00	-60.00		
180.00	-80.00			40.00	-60.00		
				50.00	-62.50		
				57.00	-63.00		
				78.00	-78.00		
				105.00	-80.00		
				180.00	-80.00		

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