

RADIATION PATTERN ENVELOPE

Antenna Type Number: USX6-11W
 6.00 Foot Antenna 10.700-11.700 GHz Dual Polarized
 Gain: 43.90 dBi at 11.200 GHz

- Envelope for a Horizontally Polarized Antenna (HH, HV)
- Envelope for a Vertically Polarized Antenna (VV, VH)

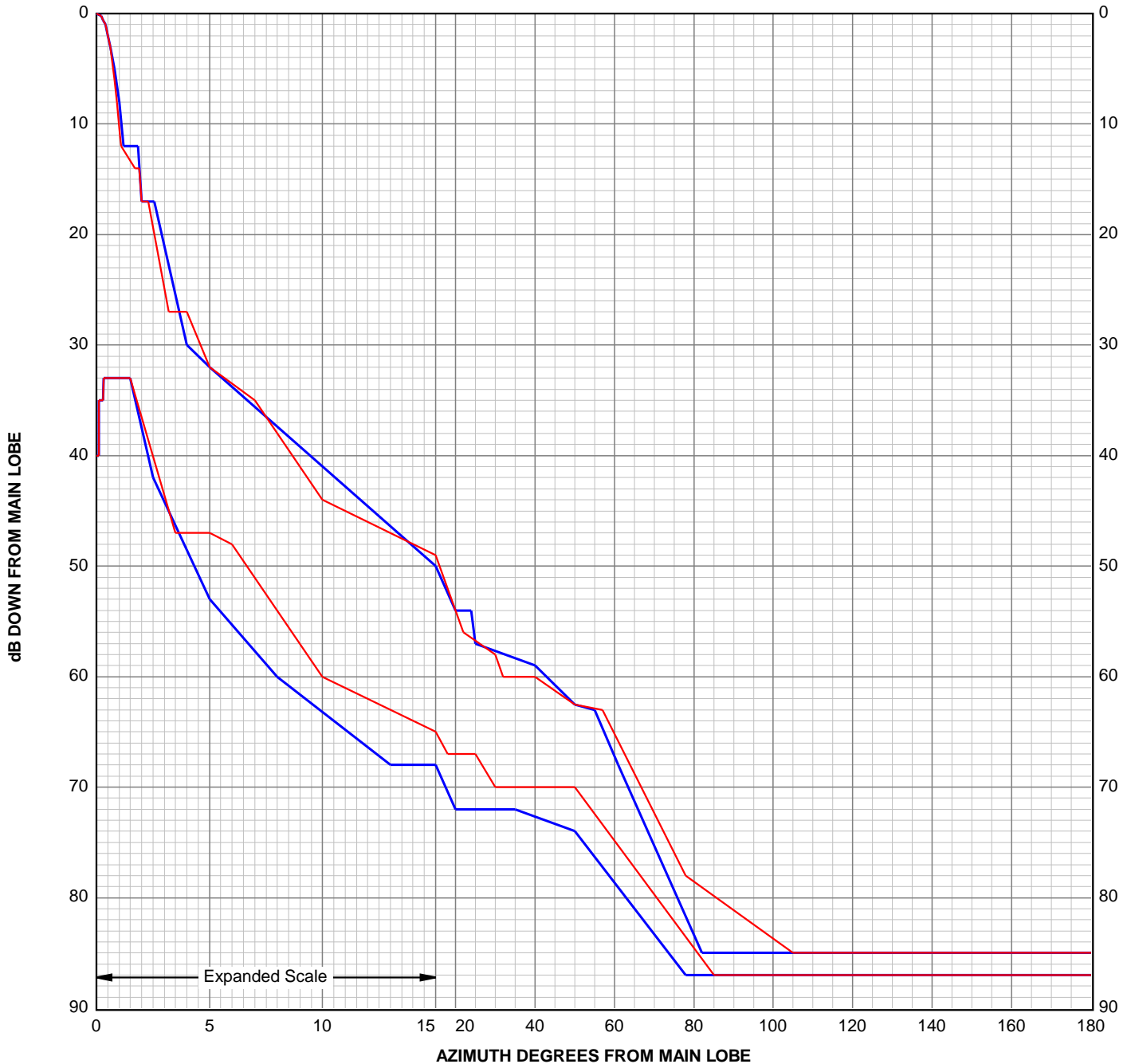
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".

ANDREW CORPORATION



RPE 7402

Engineering Approved:
 3 June 2019



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 RPE: 7402
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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	-40.00	0.00	0.00	0.00	-40.00
0.20	-0.20	0.10	-40.00	0.20	-0.20	0.10	-40.00
0.30	-0.60	0.11	-35.00	0.30	-0.60	0.11	-35.00
0.40	-1.00	0.30	-35.00	0.40	-1.00	0.30	-35.00
0.50	-2.00	0.31	-33.00	0.50	-2.00	0.31	-33.00
0.60	-3.00	1.50	-33.00	0.60	-3.00	1.50	-33.00
0.80	-5.00	2.50	-42.00	0.80	-6.00	3.50	-47.00
1.00	-8.00	5.00	-53.00	0.90	-8.00	5.00	-47.00
1.20	-12.00	8.00	-60.00	1.05	-11.00	6.00	-48.00
1.85	-12.00	13.00	-68.00	1.10	-12.00	10.00	-60.00
2.00	-17.00	15.00	-68.00	1.70	-14.00	15.00	-65.00
2.55	-17.00	20.00	-72.00	1.90	-14.00	18.00	-67.00
4.00	-30.00	35.00	-72.00	2.00	-17.00	25.00	-67.00
5.00	-32.00	50.00	-74.00	2.30	-17.00	30.00	-70.00
15.00	-50.00	78.00	-87.00	3.20	-27.00	50.00	-70.00
20.00	-54.00	180.00	-87.00	4.00	-27.00	85.00	-87.00
24.00	-54.00			5.00	-32.00	180.00	-87.00
25.00	-57.00			7.00	-35.00		
40.00	-59.00			10.00	-44.00		
50.00	-62.50			15.00	-49.00		
55.00	-63.00			22.00	-56.00		
61.00	-68.00			30.00	-58.00		
82.00	-85.00			32.00	-60.00		
180.00	-85.00			40.00	-60.00		
				50.00	-62.50		
				57.00	-63.00		
				78.00	-78.00		
				105.00	-85.00		
				180.00	-85.00		

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