

RADIATION PATTERN ENVELOPE

Antenna Type Number: USX8-11W
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)

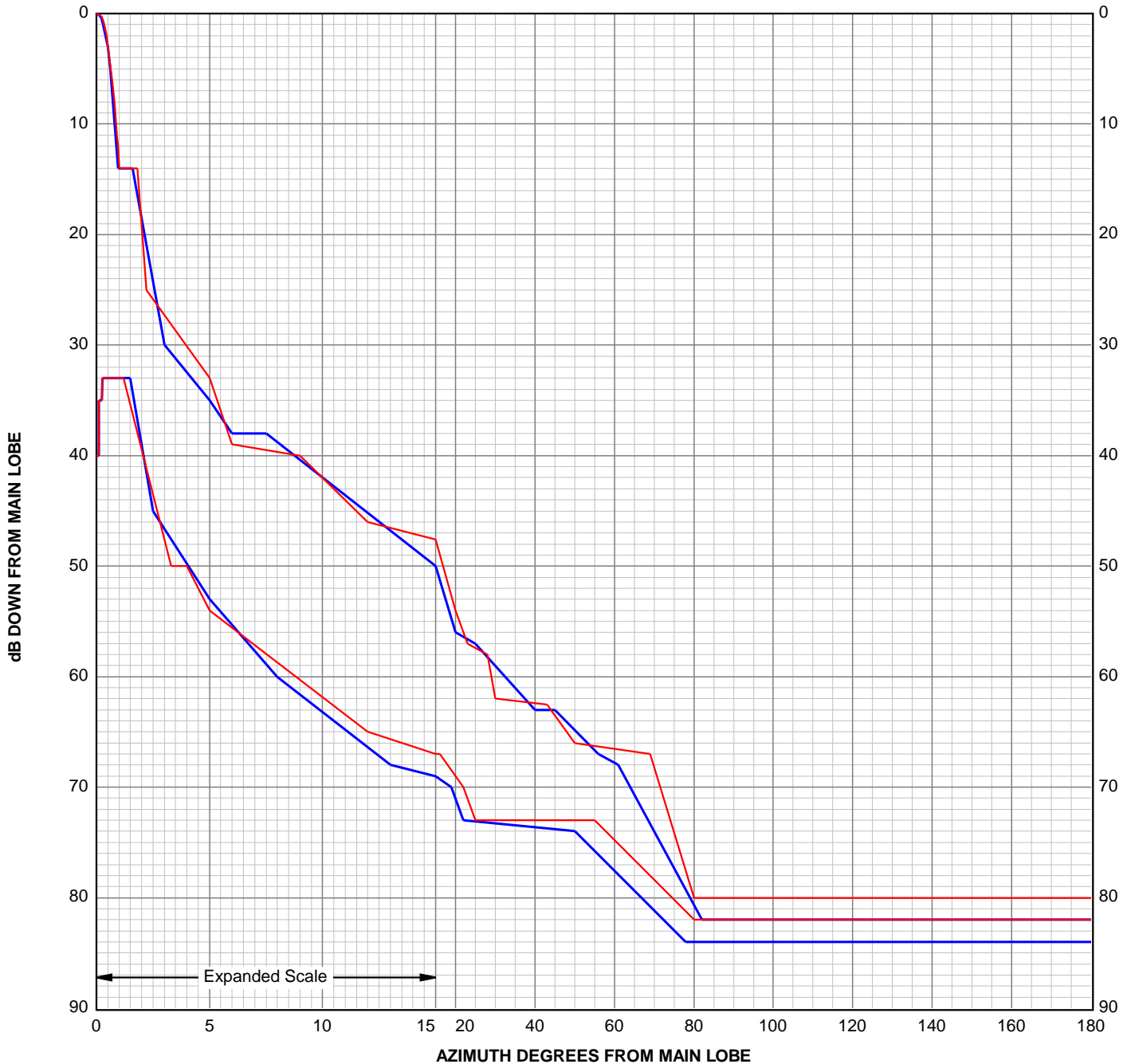
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".

ANDREW CORPORATION



RPE 7398

Engineering Approved:
3 June 2019



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 RPE: 7398
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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
0.10	-0.10	0.10	-40.00	0.20	-0.20	0.10	-40.00
0.20	-0.40	0.11	-35.00	0.30	-0.60	0.11	-35.00
0.30	-1.00	0.25	-35.00	0.35	-1.00	0.25	-35.00
0.40	-2.00	0.26	-33.00	0.45	-2.00	0.26	-33.00
0.50	-3.00	1.50	-33.00	0.50	-3.00	1.20	-33.00
0.60	-5.00	2.50	-45.00	0.70	-6.00	3.30	-50.00
0.95	-14.00	5.00	-53.00	0.80	-8.00	4.00	-50.00
1.60	-14.00	8.00	-60.00	0.90	-11.00	5.00	-54.00
3.00	-30.00	13.00	-68.00	0.95	-12.00	12.00	-65.00
5.00	-35.00	15.00	-69.00	1.00	-14.00	15.00	-67.00
6.00	-38.00	19.00	-70.00	1.80	-14.00	16.00	-67.00
7.50	-38.00	22.00	-73.00	2.20	-25.00	22.00	-70.00
15.00	-50.00	50.00	-74.00	5.00	-33.00	25.00	-73.00
20.00	-56.00	78.00	-84.00	6.00	-39.00	55.00	-73.00
25.00	-57.00	180.00	-84.00	9.00	-40.00	80.00	-82.00
40.00	-63.00			12.00	-46.00	180.00	-82.00
45.00	-63.00			15.00	-47.60		
56.00	-67.00			20.00	-54.00		
61.00	-68.00			23.00	-57.00		
82.00	-82.00			28.00	-58.00		
180.00	-82.00			30.00	-62.00		
				43.00	-62.50		
				50.00	-66.00		
				69.00	-67.00		
				80.00	-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