

RADIATION PATTERN ENVELOPE

Antenna Type Number: USX12-11W
12.00 Foot Antenna 10.000-11.700 GHz Dual Polarized
Gain: 49.40 dBi at 10.850 GHz

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

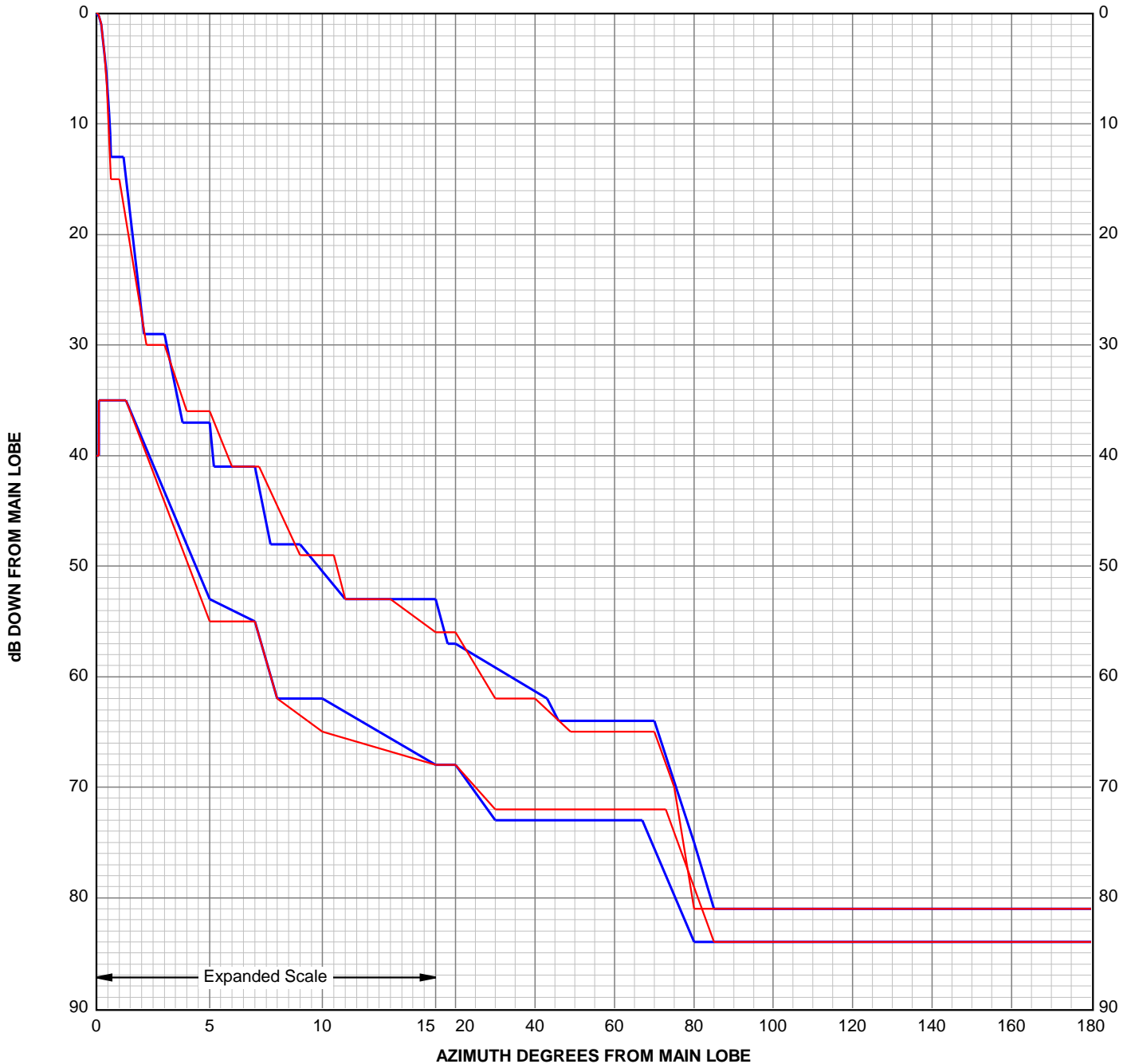
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".

ANDREW CORPORATION



RPE 7437

Engineering Approved:
10 May 2019



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 RPE: 7437
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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	-0.20	0.10	-40.00	0.08	0.00	0.10	-40.00
0.15	-0.60	0.11	-35.00	0.20	-0.90	0.11	-35.00
0.20	-1.00	1.30	-35.00	0.30	-2.50	1.30	-35.00
0.27	-2.00	5.00	-53.00	0.34	-3.40	5.00	-55.00
0.33	-3.00	7.00	-55.00	0.42	-5.60	7.00	-55.00
0.42	-5.00	8.00	-62.00	0.44	-6.20	8.00	-62.00
0.55	-9.00	10.00	-62.00	0.65	-15.00	10.00	-65.00
0.60	-11.00	15.00	-68.00	1.00	-15.00	15.00	-68.00
0.65	-13.00	20.00	-68.00	2.20	-30.00	20.00	-68.00
1.20	-13.00	30.00	-73.00	3.00	-30.00	30.00	-72.00
2.10	-29.00	67.00	-73.00	4.00	-36.00	73.00	-72.00
3.00	-29.00	80.00	-84.00	5.00	-36.00	85.00	-84.00
3.80	-37.00	180.00	-84.00	6.00	-41.00	180.00	-84.00
5.00	-37.00			7.20	-41.00		
5.20	-41.00			9.00	-49.00		
7.00	-41.00			10.50	-49.00		
7.70	-48.00			11.00	-53.00		
9.00	-48.00			13.00	-53.00		
11.00	-53.00			15.00	-56.00		
15.00	-53.00			20.00	-56.00		
18.00	-57.00			30.00	-62.00		
20.00	-57.00			40.00	-62.00		
43.00	-62.00			49.00	-65.00		
46.00	-64.00			70.00	-65.00		
70.00	-64.00			75.00	-70.00		
80.00	-75.00			80.00	-81.00		
85.00	-81.00			180.00	-81.00		
180.00	-81.00						

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