

RADIATION PATTERN ENVELOPE

Antenna Type Number: USX6-13W
6.00 Foot Antenna 12.200-13.250 GHz Dual Polarized
Gain: 45.10 dBi at 12.725 GHz

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

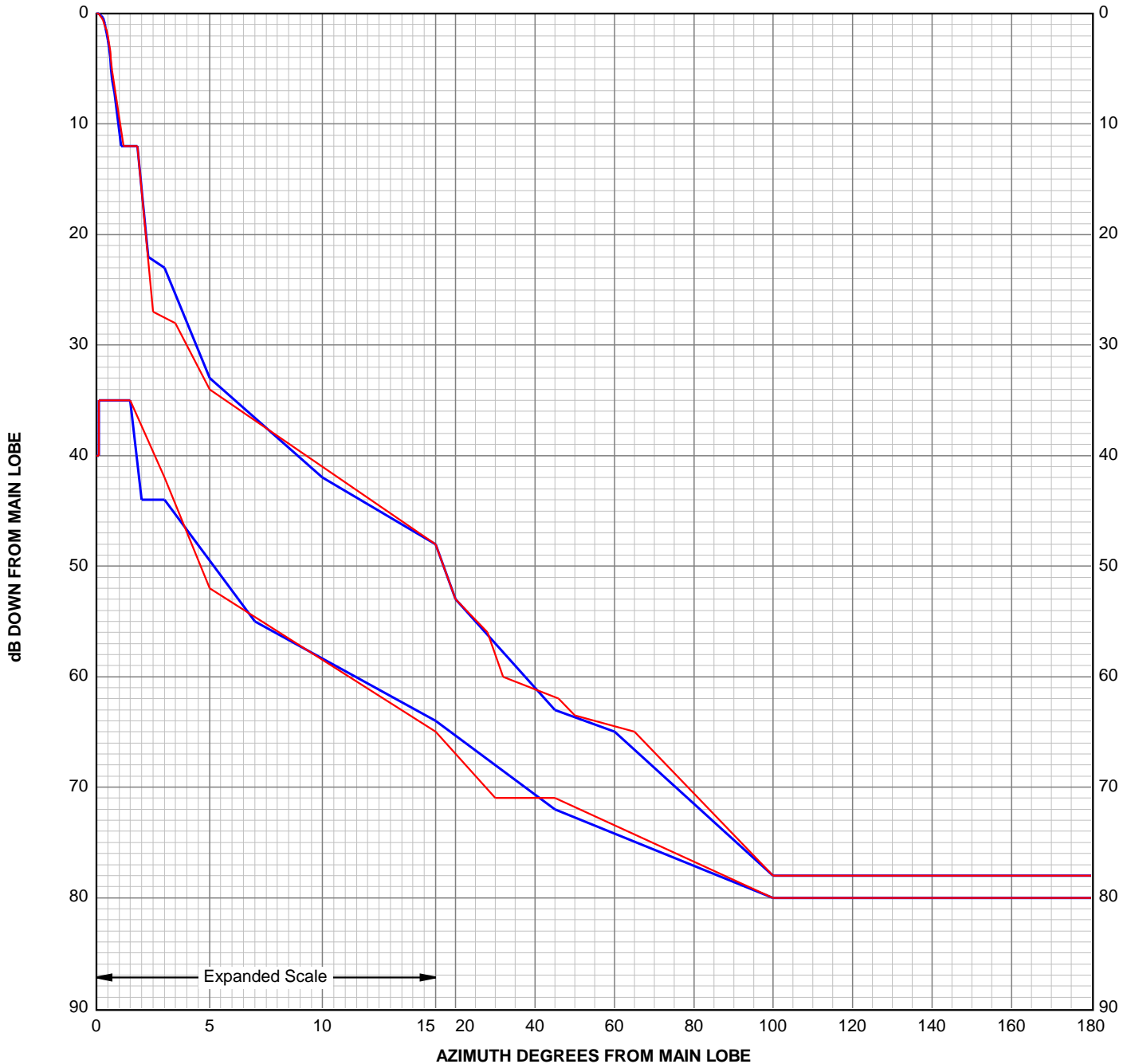
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".

ANDREW CORPORATION



RPE 7379

Engineering Approved:
3 June 2019



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 RPE: 7379
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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	0.00	0.10	-40.00	0.10	0.00	0.10	-40.00
0.15	-0.10	0.11	-35.00	0.15	-0.20	0.11	-35.00
0.20	-0.20	1.50	-35.00	0.20	-0.30	1.50	-35.00
0.30	-0.40	2.00	-44.00	0.30	-0.60	3.00	-42.00
0.38	-0.90	3.00	-44.00	0.35	-1.00	5.00	-52.00
0.40	-1.30	7.00	-55.00	0.45	-1.50	15.00	-65.00
0.45	-1.80	15.00	-64.00	0.50	-2.00	30.00	-71.00
0.50	-2.40	45.00	-72.00	0.55	-2.70	45.00	-71.00
0.55	-3.10	100.00	-80.00	0.60	-3.40	100.00	-80.00
0.60	-4.00	180.00	-80.00	0.65	-4.20	180.00	-80.00
0.65	-4.90			0.70	-5.20		
0.70	-6.00			1.20	-12.00		
0.80	-7.20			1.80	-12.00		
1.10	-12.00			2.50	-27.00		
1.80	-12.00			3.50	-28.00		
2.30	-22.00			5.00	-34.00		
3.00	-23.00			15.00	-48.00		
5.00	-33.00			20.00	-53.00		
10.00	-42.00			28.00	-56.00		
15.00	-48.00			32.00	-60.00		
20.00	-53.00			46.00	-62.00		
45.00	-63.00			50.00	-63.50		
60.00	-65.00			65.00	-65.00		
100.00	-78.00			100.00	-78.00		
180.00	-78.00			180.00	-78.00		

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