

RADIATION PATTERN ENVELOPE

Antenna Type Number: USX10-6W
10.00 Foot Antenna 5.925-7.125 GHz Dual Polarized
Gain: 43.20 dBi at 6.525 GHz
— Envelope for a Horizontally Polarized Antenna (HH, HV)
— Envelope for a Vertically Polarized Antenna (VV, VH)

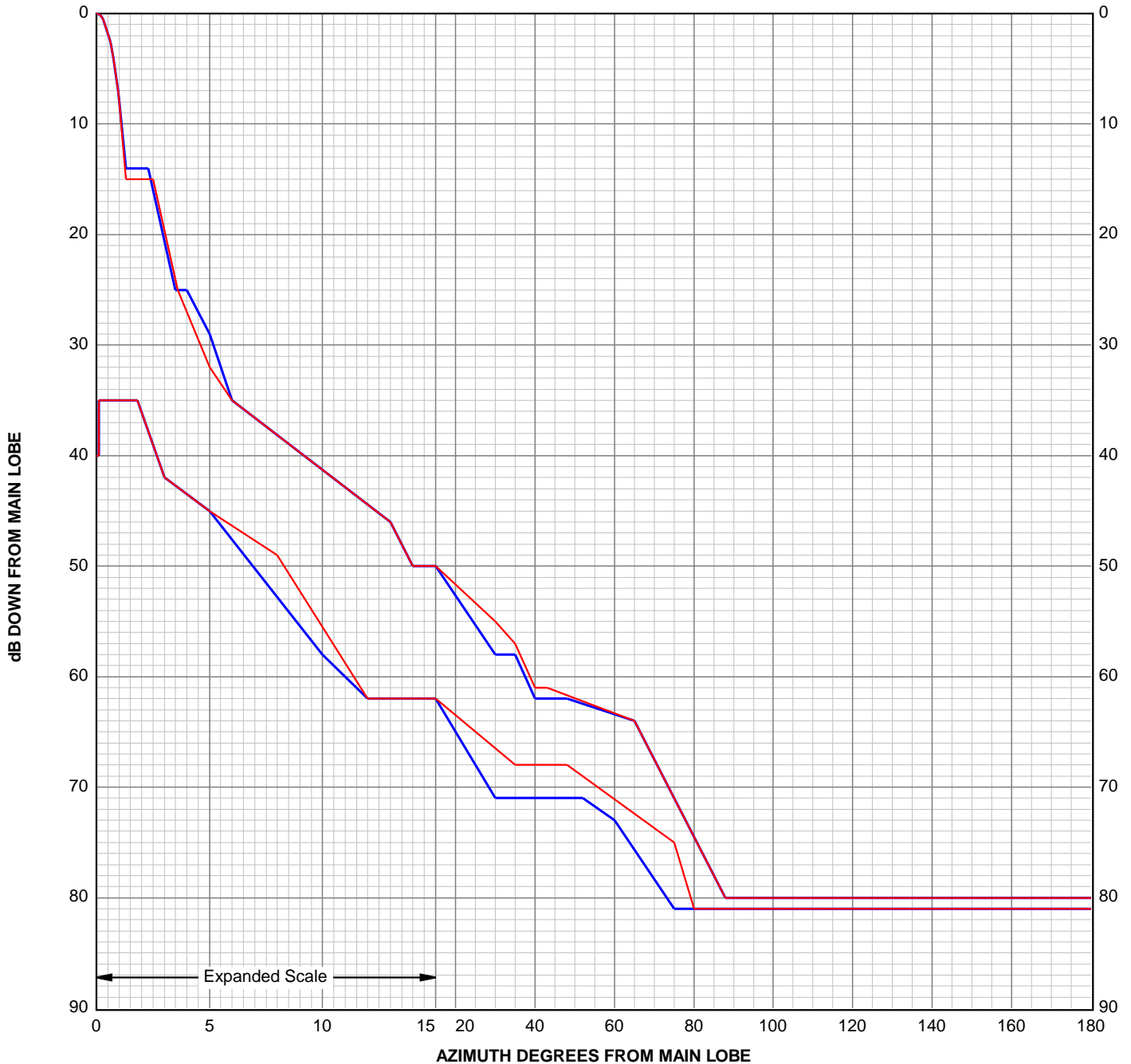
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".

ANDREW CORPORATION



RPE 7424

Engineering Approved:
26 February 2019



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 RPE: 7424
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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
0.15	-0.10	0.10	-40.00	0.15	-0.10	0.10	-40.00
0.30	-0.50	0.11	-35.00	0.30	-0.50	0.11	-35.00
0.60	-2.50	1.80	-35.00	0.60	-2.50	1.80	-35.00
0.75	-4.00	3.00	-42.00	0.75	-4.00	3.00	-42.00
0.95	-7.00	5.00	-45.00	0.95	-7.00	5.00	-45.00
1.00	-8.00	10.00	-58.00	1.00	-8.00	8.00	-49.00
1.30	-14.00	12.00	-62.00	1.10	-10.00	12.00	-62.00
2.30	-14.00	15.00	-62.00	1.30	-15.00	15.00	-62.00
3.50	-25.00	30.00	-71.00	2.50	-15.00	35.00	-68.00
4.00	-25.00	52.00	-71.00	3.60	-25.00	48.00	-68.00
5.00	-29.00	60.00	-73.00	5.00	-32.00	75.00	-75.00
6.00	-35.00	75.00	-81.00	6.00	-35.00	80.00	-81.00
13.00	-46.00	180.00	-81.00	13.00	-46.00	180.00	-81.00
14.00	-50.00			14.00	-50.00		
15.00	-50.00			15.00	-50.00		
30.00	-58.00			30.00	-55.00		
35.00	-58.00			35.00	-57.00		
40.00	-62.00			40.00	-61.00		
48.00	-62.00			43.00	-61.00		
65.00	-64.00			65.00	-64.00		
88.00	-80.00			88.00	-80.00		
180.00	-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