

RADIATION PATTERN ENVELOPE

Antenna Type Number: USX8-7W
8.00 Foot Antenna 7.125-8.500 GHz Dual Polarized
Gain: 42.90 dBi at 7.813 GHz

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

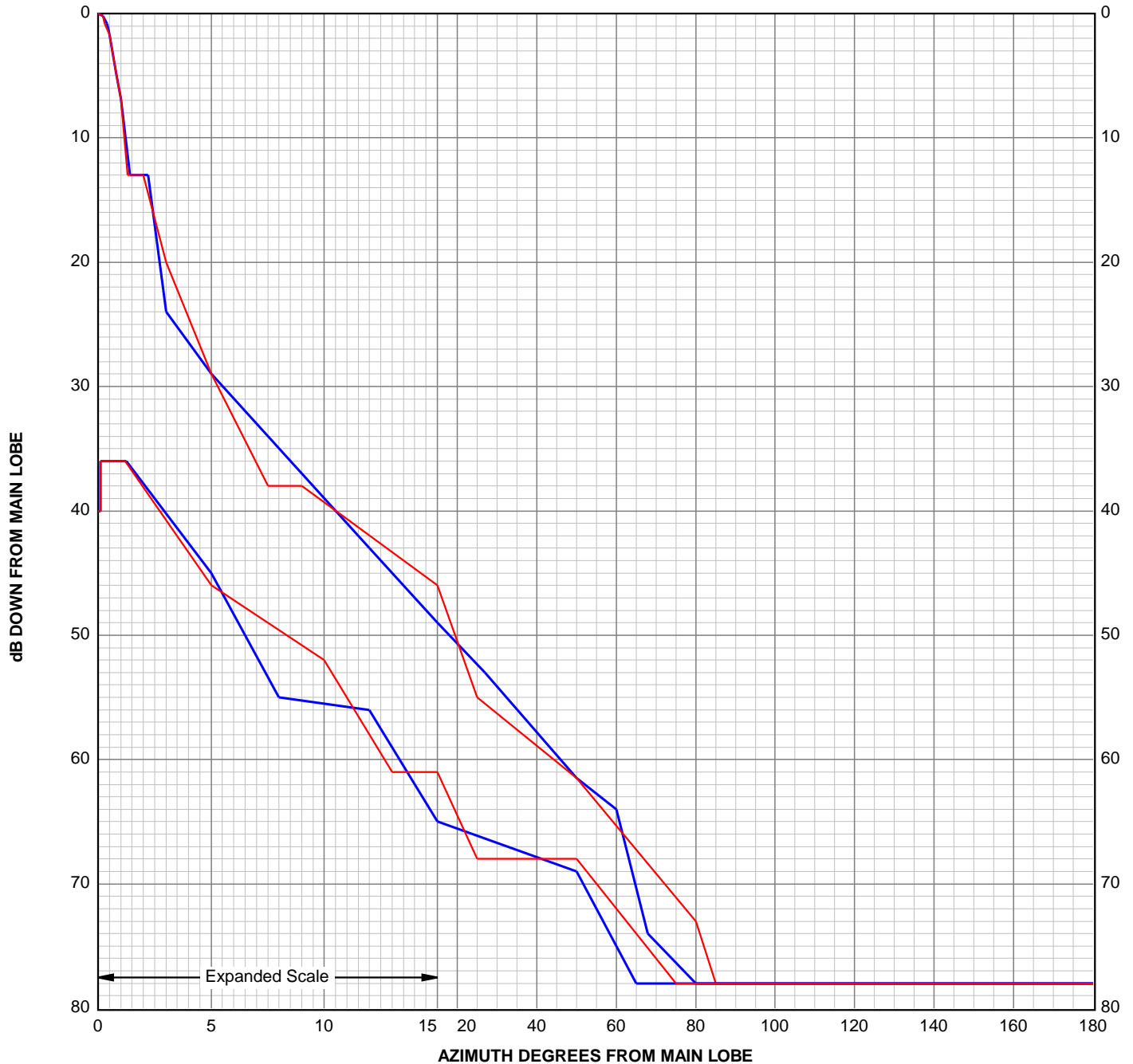
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".

ANDREW CORPORATION



RPE 7397

Engineering Approved:
3 June 2019



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 RPE: 7397
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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
0.40	-0.80	0.11	-36.00	0.30	-0.80	0.11	-36.00
0.50	-1.70	1.25	-36.00	0.50	-1.70	1.20	-36.00
0.65	-3.10	5.00	-45.00	0.65	-3.10	3.50	-42.00
0.80	-4.80	8.00	-55.00	0.80	-4.80	5.00	-46.00
1.00	-6.90	12.00	-56.00	1.00	-6.90	10.00	-52.00
1.40	-13.00	15.00	-65.00	1.30	-13.00	13.00	-61.00
2.20	-13.00	50.00	-69.00	2.00	-13.00	15.00	-61.00
3.00	-24.00	65.00	-78.00	3.00	-20.00	25.00	-68.00
5.00	-29.00	180.00	-78.00	5.00	-29.00	50.00	-68.00
12.00	-43.00			7.50	-38.00	75.00	-78.00
15.00	-49.00			9.00	-38.00	180.00	-78.00
27.00	-53.00			15.00	-46.00		
50.00	-61.50			25.00	-55.00		
60.00	-64.00			50.00	-61.50		
68.00	-74.00			80.00	-73.00		
80.00	-78.00			85.00	-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