

RADIATION PATTERN ENVELOPE

Antenna Type Number: USX8-4
8.00 Foot Antenna 4.400-5.000 GHz Dual Polarized
Gain: 38.80 dBi at 4.700 GHz

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

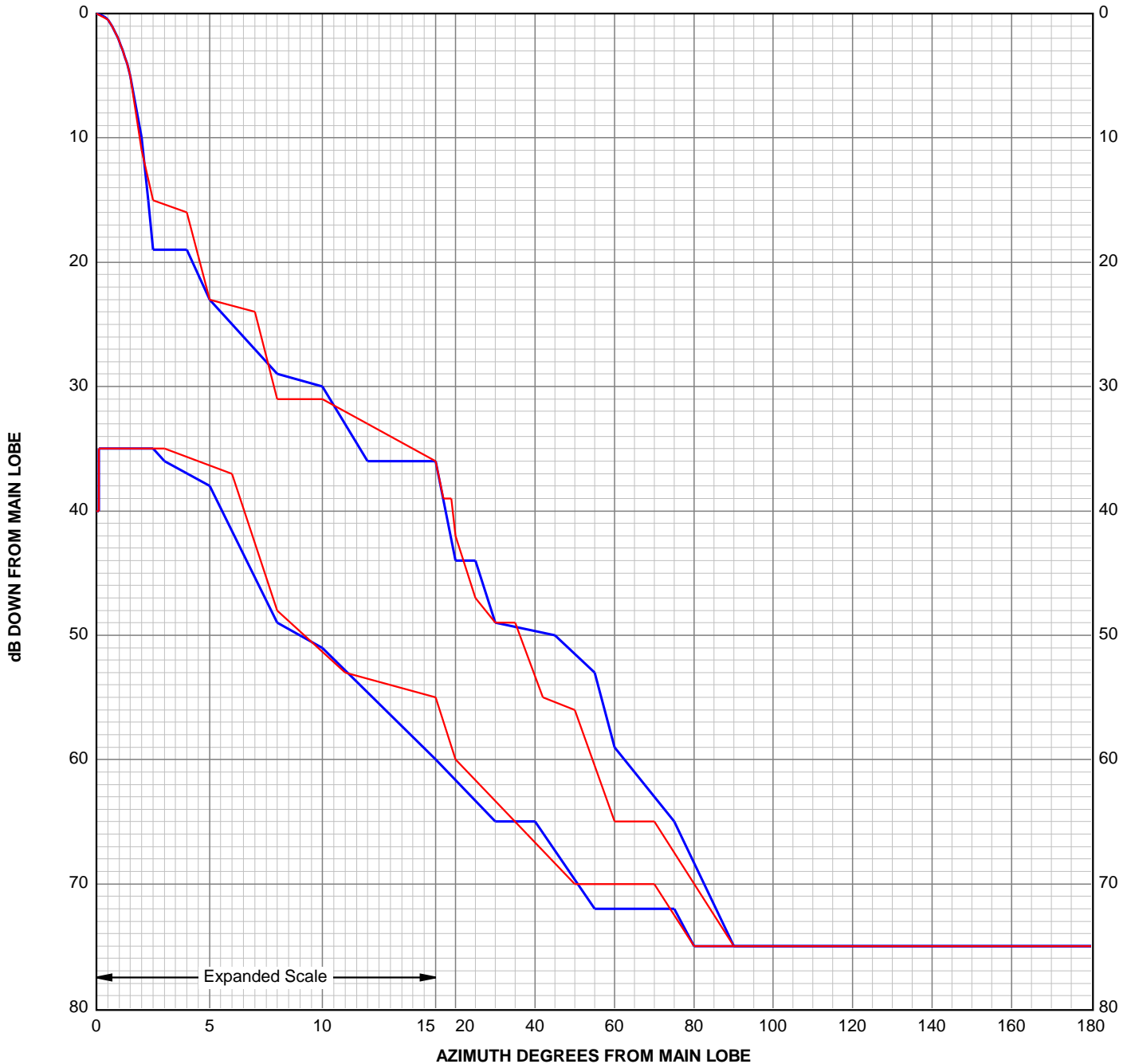
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".

ANDREW CORPORATION



RPE 7395

Engineering Approved:
3 June 2019



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 8.00 Foot Antenna 4.400-5.000 GHz Dual Polarized
 Gain: 38.80 dBi at 4.700 GHz
 RPE: 7395
 Engineering Approved: 3 June 2019



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
0.35	-0.25	0.10	-40.00	0.50	-0.50	0.10	-40.00
0.50	-0.50	0.11	-35.00	0.70	-1.00	0.11	-35.00
0.70	-1.00	2.50	-35.00	0.83	-1.50	3.00	-35.00
0.83	-1.50	3.00	-36.00	0.95	-2.00	6.00	-37.00
0.95	-2.00	5.00	-38.00	1.07	-2.50	8.00	-48.00
1.07	-2.50	8.00	-49.00	1.16	-3.00	11.00	-53.00
1.16	-3.00	10.00	-51.00	1.25	-3.50	15.00	-55.00
1.25	-3.50	15.00	-60.00	1.35	-4.00	20.00	-60.00
1.35	-4.00	30.00	-65.00	1.50	-5.00	50.00	-70.00
1.50	-5.00	40.00	-65.00	2.00	-11.00	70.00	-70.00
2.00	-10.00	55.00	-72.00	2.50	-15.00	80.00	-75.00
2.30	-15.00	75.00	-72.00	4.00	-16.00	180.00	-75.00
2.50	-19.00	80.00	-75.00	5.00	-23.00		
4.00	-19.00	180.00	-75.00	7.00	-24.00		
5.00	-23.00			8.00	-31.00		
8.00	-29.00			10.00	-31.00		
10.00	-30.00			12.00	-33.00		
12.00	-36.00			15.00	-36.00		
15.00	-36.00			17.00	-39.00		
20.00	-44.00			19.00	-39.00		
25.00	-44.00			20.00	-42.00		
30.00	-49.00			25.00	-47.00		
45.00	-50.00			30.00	-49.00		
55.00	-53.00			35.00	-49.00		
60.00	-59.00			42.00	-55.00		
75.00	-65.00			50.00	-56.00		
90.00	-75.00			60.00	-65.00		
180.00	-75.00			70.00	-65.00		
				90.00	-75.00		
				180.00	-75.00		

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