

### RADIATION PATTERN ENVELOPE

Antenna Type Number: USX8-3  
8.00 Foot Antenna 3.600-4.200 GHz Dual Polarized  
Gain: 37.30 dBi at 3.900 GHz

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

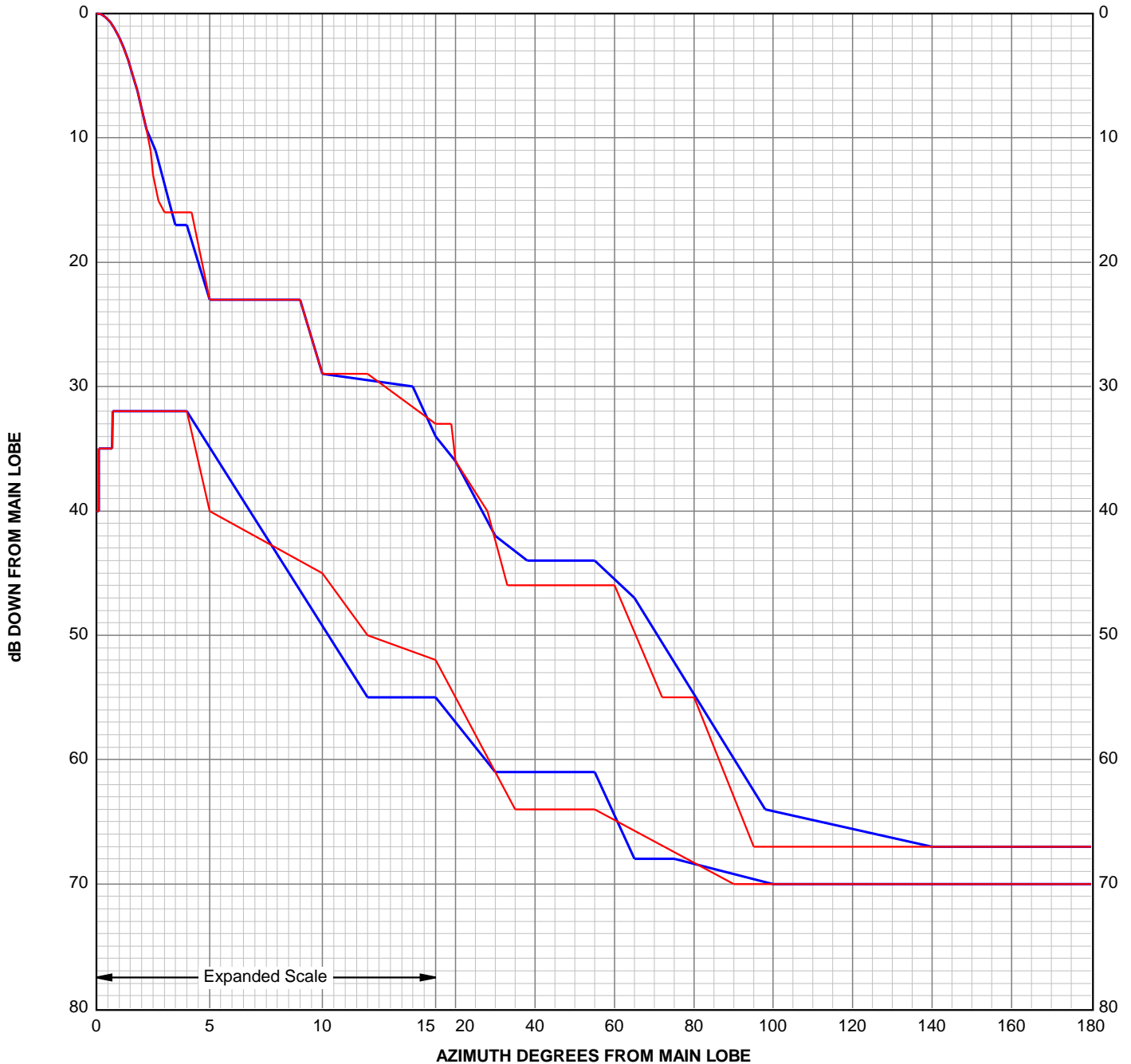
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".

ANDREW CORPORATION



RPE 7394

Engineering Approved:  
3 June 2019



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 RPE: 7394  
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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	-0.07	0.10	-40.00	0.20	-0.07	0.10	-40.00
0.40	-0.30	0.11	-35.00	0.40	-0.30	0.11	-35.00
0.60	-0.69	0.70	-35.00	0.60	-0.69	0.70	-35.00
0.80	-1.22	0.71	-32.00	0.80	-1.22	0.71	-32.00
1.00	-1.92	4.00	-32.00	1.00	-1.92	4.00	-32.00
1.20	-2.70	12.00	-55.00	1.20	-2.76	5.00	-40.00
1.40	-3.76	15.00	-55.00	1.40	-3.76	10.00	-45.00
1.60	-4.92	30.00	-61.00	1.60	-4.91	12.00	-50.00
1.80	-6.22	55.00	-61.00	1.80	-6.22	15.00	-52.00
2.00	-7.68	65.00	-68.00	2.00	-7.68	35.00	-64.00
2.20	-9.29	75.00	-68.00	2.20	-9.29	55.00	-64.00
2.60	-11.00	100.00	-70.00	2.40	-11.05	90.00	-70.00
2.90	-13.00	180.00	-70.00	2.50	-12.97	180.00	-70.00
3.20	-15.00			2.75	-15.05		
3.50	-17.00			3.00	-16.00		
4.00	-17.00			4.20	-16.00		
5.00	-23.00			5.00	-23.00		
9.00	-23.00			9.00	-23.00		
10.00	-29.00			10.00	-29.00		
14.00	-30.00			12.00	-29.00		
15.00	-34.00			15.00	-33.00		
20.00	-36.00			19.00	-33.00		
30.00	-42.00			20.00	-36.00		
38.00	-44.00			28.00	-40.00		
55.00	-44.00			33.00	-46.00		
65.00	-47.00			60.00	-46.00		
98.00	-64.00			72.00	-55.00		
140.00	-67.00			80.00	-55.00		
180.00	-67.00			95.00	-67.00		
				180.00	-67.00		

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