

### RADIATION PATTERN ENVELOPE

Antenna Type Number: USX8-6W  
8.00 Foot Antenna 5.925-7.125 GHz Dual Polarized  
Gain: 41.60 dBi at 6.525 GHz

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

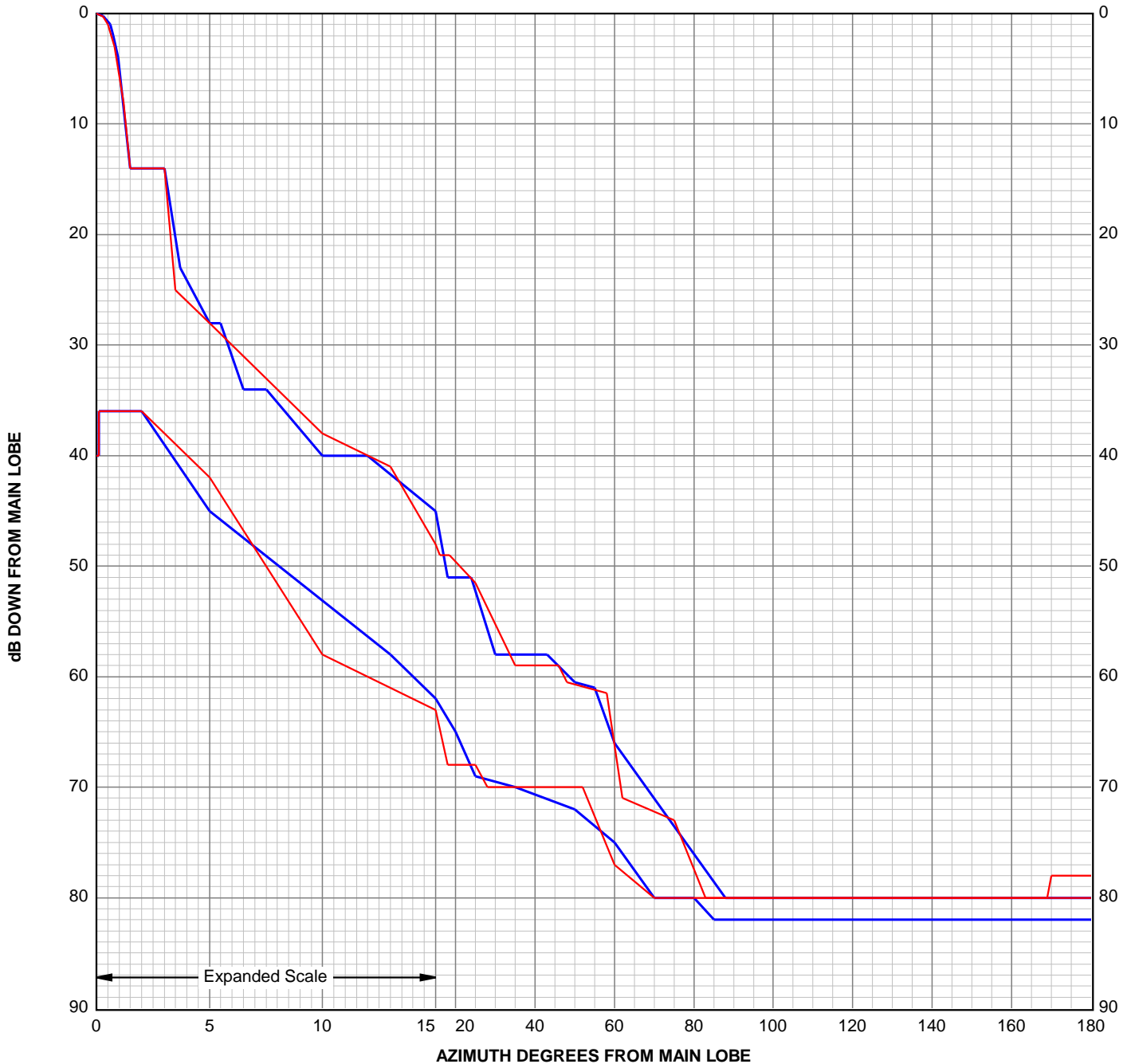
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".

ANDREW CORPORATION



RPE 7396

Engineering Approved:  
3 June 2019



Antenna Type Number: USX8-6W  
 8.00 Foot Antenna 5.925-7.125 GHz Dual Polarized  
 Gain: 41.60 dBi at 6.525 GHz  
 RPE: 7396  
 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
0.30	-0.20	0.10	-40.00	0.30	-0.25	0.10	-40.00
0.60	-1.00	0.11	-36.00	0.50	-1.00	0.11	-36.00
0.75	-2.00	2.00	-36.00	0.80	-3.00	2.00	-36.00
0.95	-4.00	5.00	-45.00	1.20	-8.00	5.00	-42.00
1.50	-14.00	13.00	-58.00	1.50	-14.00	10.00	-58.00
3.00	-14.00	15.00	-62.00	3.00	-14.00	15.00	-63.00
3.70	-23.00	20.00	-65.00	3.50	-25.00	18.00	-68.00
5.00	-28.00	25.00	-69.00	5.00	-28.00	25.00	-68.00
5.50	-28.00	35.00	-70.00	10.00	-38.00	28.00	-70.00
6.50	-34.00	50.00	-72.00	13.00	-41.00	52.00	-70.00
7.50	-34.00	60.00	-75.00	15.00	-48.00	60.00	-77.00
10.00	-40.00	70.00	-80.00	16.00	-49.00	70.00	-80.00
12.00	-40.00	80.00	-80.00	18.50	-49.00	180.00	-80.00
15.00	-45.00	85.00	-82.00	25.00	-51.50		
18.00	-51.00	180.00	-82.00	35.00	-59.00		
24.00	-51.00			46.00	-59.00		
30.00	-58.00			48.00	-60.50		
43.00	-58.00			58.00	-61.50		
50.00	-60.50			62.00	-71.00		
55.00	-61.00			75.00	-73.00		
60.00	-66.00			83.00	-80.00		
88.00	-80.00			169.00	-80.00		
180.00	-80.00			170.00	-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