

### RADIATION PATTERN ENVELOPE

Antenna Type Number: USX6-7W  
6.00 Foot Antenna 7.125-8.500 GHz Dual Polarized  
Gain: 40.60 dBi at 7.813 GHz

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

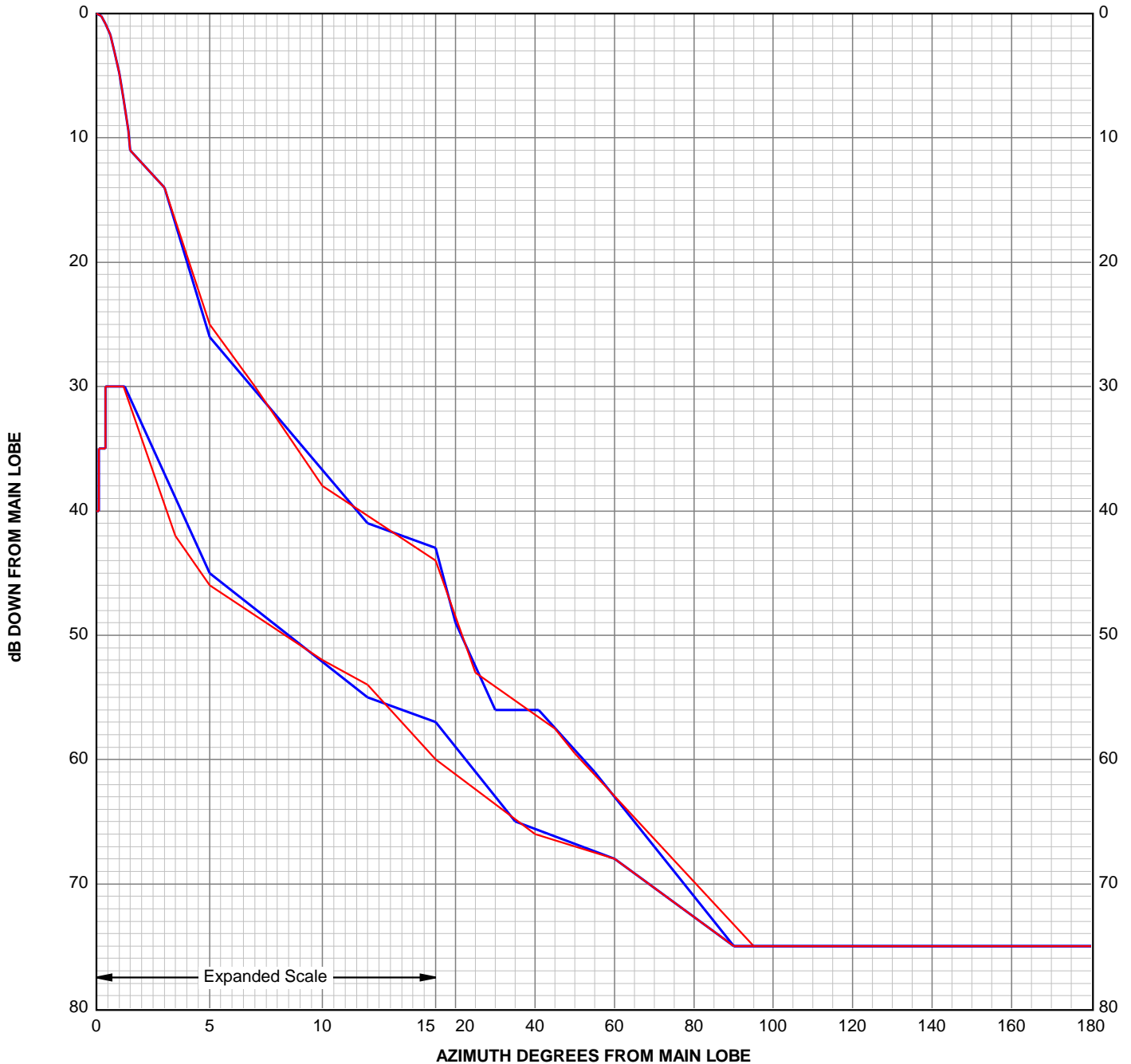
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".

ANDREW CORPORATION



RPE 7374

Engineering Approved:  
3 June 2019



Antenna Type Number: USX6-7W  
 6.00 Foot Antenna 7.125-8.500 GHz Dual Polarized  
 Gain: 40.60 dBi at 7.813 GHz  
 RPE: 7374  
 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
0.20	-0.20	0.10	-40.00	0.20	-0.20	0.10	-40.00
0.40	-0.80	0.11	-35.00	0.40	-0.80	0.11	-35.00
0.60	-1.70	0.40	-35.00	0.60	-1.70	0.40	-35.00
0.80	-3.10	0.41	-30.00	0.80	-3.10	0.41	-30.00
1.00	-4.80	1.25	-30.00	1.00	-4.80	1.20	-30.00
1.20	-6.90	5.00	-45.00	1.20	-6.90	3.50	-42.00
1.40	-9.40	12.00	-55.00	1.40	-9.40	5.00	-46.00
1.50	-11.00	15.00	-57.00	1.50	-11.00	10.00	-52.00
3.00	-14.00	35.00	-65.00	3.00	-14.00	12.00	-54.00
5.00	-26.00	60.00	-68.00	5.00	-25.00	15.00	-60.00
12.00	-41.00	90.00	-75.00	7.00	-30.00	40.00	-66.00
15.00	-43.00	180.00	-75.00	10.00	-38.00	60.00	-68.00
20.00	-49.00			15.00	-44.00	90.00	-75.00
30.00	-56.00			25.00	-53.00	180.00	-75.00
41.00	-56.00			45.00	-57.50		
55.00	-61.00			50.00	-59.50		
90.00	-75.00			95.00	-75.00		
180.00	-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