

**RADIATION PATTERN ENVELOPE**

Antenna Type Number: HX6-6W  
 6.00 Foot Antenna 5.925-7.125 GHz Dual Polarized  
 Gain: 39.10 dBi at 6.525 GHz

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

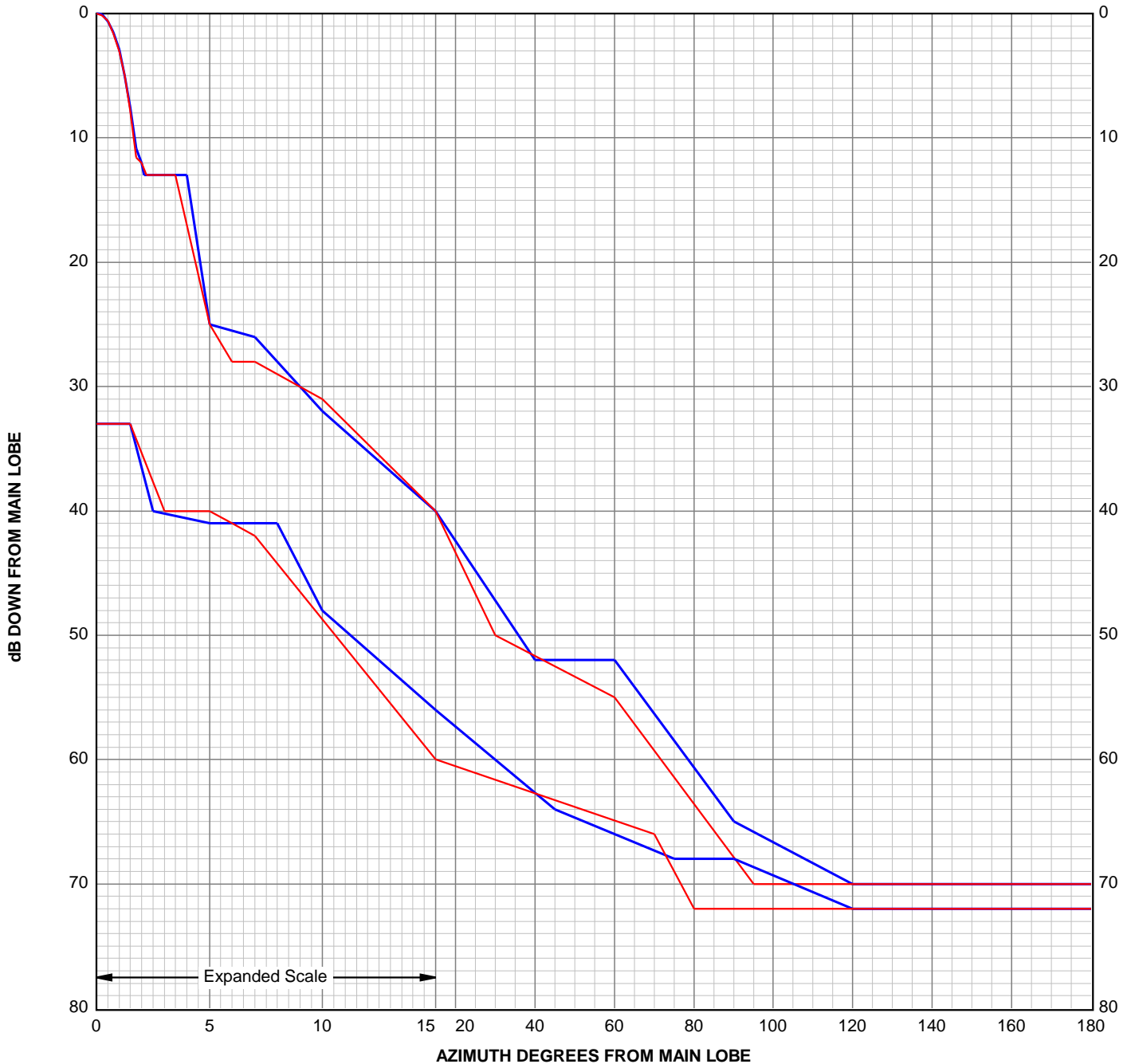
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".

ANDREW CORPORATION



RPE 7376

Engineering Approved:  
 20 November 2017



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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	-33.00	0.00	0.00	0.00	-33.00
0.25	-0.05	1.50	-33.00	0.25	-0.16	1.50	-33.00
0.50	-0.65	2.50	-40.00	0.50	-0.60	3.00	-40.00
0.75	-1.52	5.00	-41.00	0.75	-1.62	5.00	-40.00
1.00	-2.92	8.00	-41.00	1.00	-3.03	6.00	-41.00
1.25	-5.03	10.00	-48.00	1.25	-4.98	7.00	-42.00
1.50	-7.52	15.00	-56.00	1.50	-7.79	15.00	-60.00
1.75	-10.83	45.00	-64.00	1.75	-11.58	70.00	-66.00
2.00	-12.00	75.00	-68.00	2.00	-12.00	80.00	-72.00
2.10	-13.00	90.00	-68.00	2.20	-13.00	180.00	-72.00
4.00	-13.00	120.00	-72.00	3.50	-13.00		
5.00	-25.00	180.00	-72.00	5.00	-25.00		
7.00	-26.00			6.00	-28.00		
10.00	-32.00			7.00	-28.00		
15.00	-40.00			10.00	-31.00		
40.00	-52.00			15.00	-40.00		
60.00	-52.00			30.00	-50.00		
90.00	-65.00			60.00	-55.00		
120.00	-70.00			95.00	-70.00		
180.00	-70.00			180.00	-70.00		

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