

### RADIATION PATTERN ENVELOPE

Antenna Type Number: HX6-7W  
6.00 Foot Antenna 7.125-8.500 GHz Dual Polarized  
Gain: 40.80 dBi at 7.813 GHz

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

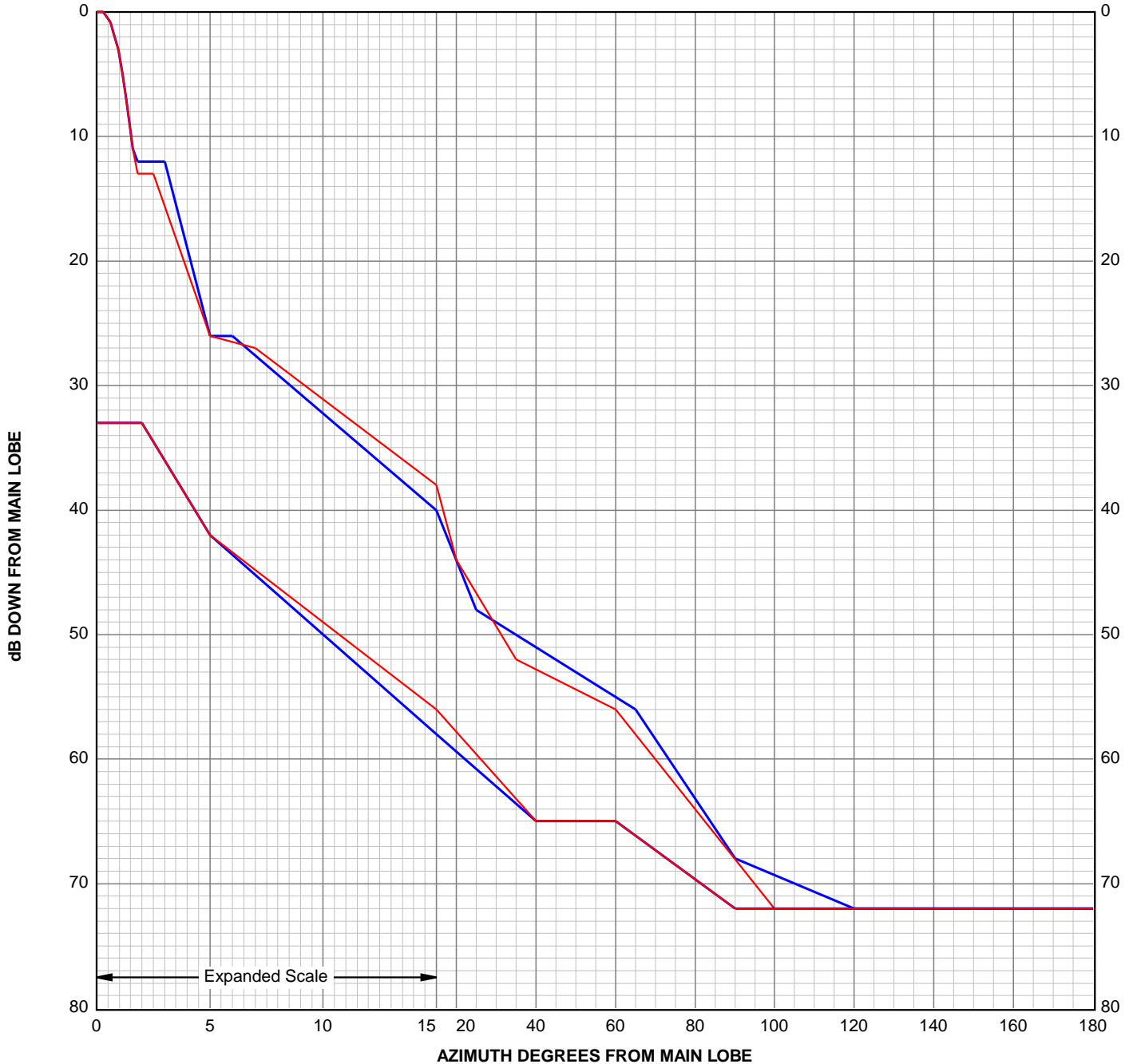
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".

ANDREW CORPORATION



RPE 7377

Engineering Approved:  
9 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
0.30	-0.01	2.00	-33.00	0.30	-0.01	2.00	-33.00
0.60	-0.80	5.00	-42.00	0.60	-0.80	5.00	-42.00
0.75	-1.70	15.00	-58.00	0.75	-1.70	15.00	-56.00
0.95	-3.00	40.00	-65.00	0.95	-3.00	40.00	-65.00
1.15	-5.00	60.00	-65.00	1.15	-5.00	60.00	-65.00
1.30	-7.00	90.00	-72.00	1.30	-7.00	90.00	-72.00
1.50	-9.50	180.00	-72.00	1.50	-9.50	180.00	-72.00
1.60	-11.00			1.60	-11.00		
1.80	-12.00			1.80	-13.00		
3.00	-12.00			2.50	-13.00		
5.00	-26.00			5.00	-26.00		
6.00	-26.00			7.00	-27.00		
15.00	-40.00			15.00	-38.00		
25.00	-48.00			20.00	-44.00		
65.00	-56.00			35.00	-52.00		
90.00	-68.00			60.00	-56.00		
120.00	-72.00			100.00	-72.00		
180.00	-72.00			180.00	-72.00		

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