

### RADIATION PATTERN ENVELOPE

Antenna Type Number: HX10-4  
10.00 Foot Antenna 4.400-5.000 GHz Dual Polarized  
Gain: 40.60 dBi at 4.700 GHz  
— Envelope for a Horizontally Polarized Antenna (HH, HV)  
— Envelope for a Vertically Polarized Antenna (VV, VH)

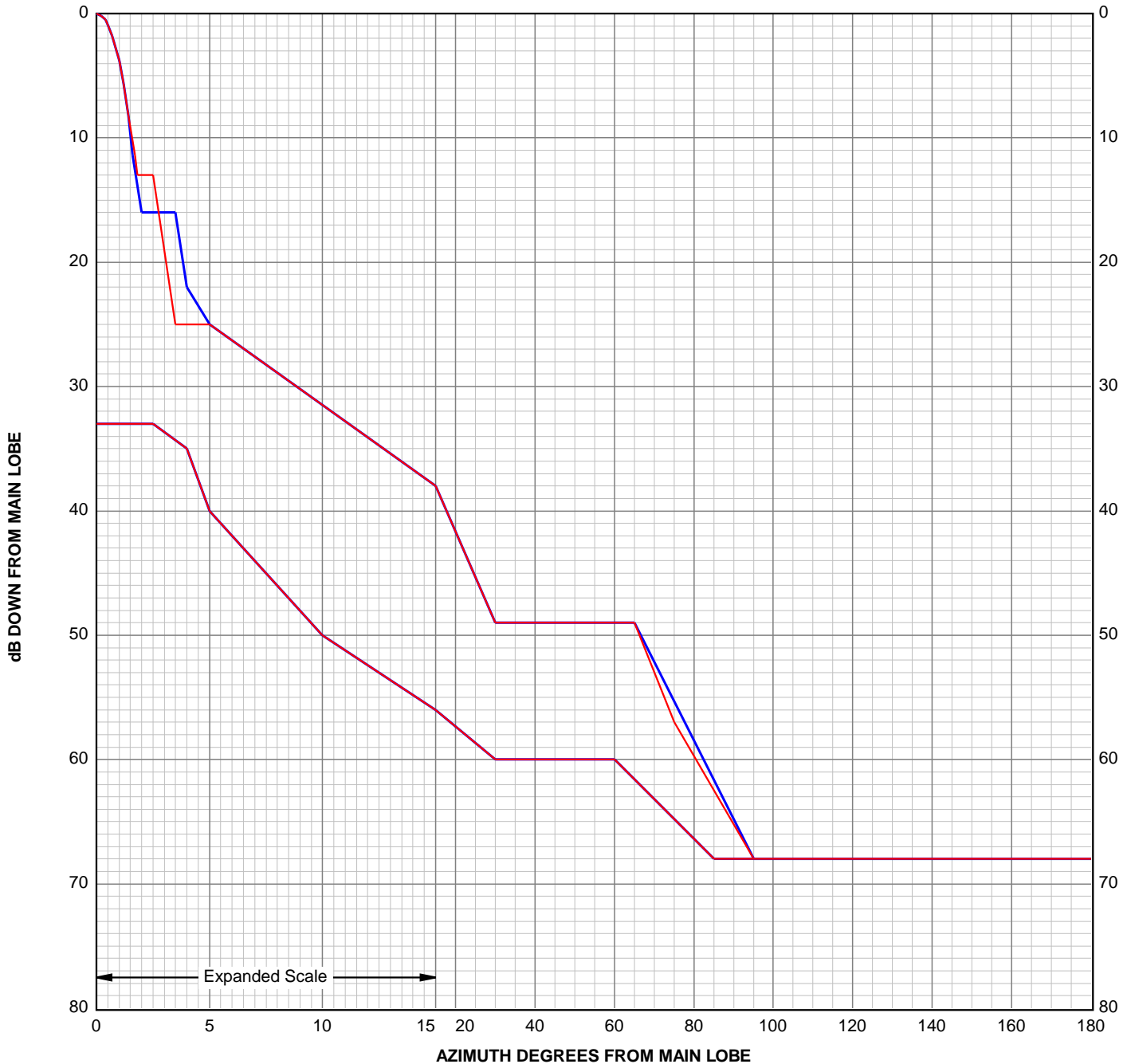
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".

ANDREW CORPORATION



RPE 7435

Engineering Approved:  
18 March 2019



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 RPE: 7435  
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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
0.20	-0.20	2.50	-33.00	0.20	-0.20	2.50	-33.00
0.40	-0.50	4.00	-35.00	0.40	-0.50	4.00	-35.00
0.50	-0.90	5.00	-40.00	0.50	-0.90	5.00	-40.00
0.70	-1.80	10.00	-50.00	0.70	-1.80	10.00	-50.00
1.00	-3.80	15.00	-56.00	1.00	-3.80	15.00	-56.00
1.20	-5.60	30.00	-60.00	1.20	-5.60	30.00	-60.00
1.40	-8.20	60.00	-60.00	1.40	-8.20	60.00	-60.00
1.60	-11.40	85.00	-68.00	1.70	-11.40	85.00	-68.00
2.00	-16.00	180.00	-68.00	1.80	-13.00	180.00	-68.00
3.50	-16.00			2.50	-13.00		
4.00	-22.00			3.50	-25.00		
5.00	-25.00			5.00	-25.00		
15.00	-38.00			15.00	-38.00		
30.00	-49.00			30.00	-49.00		
65.00	-49.00			65.00	-49.00		
95.00	-68.00			75.00	-57.00		
180.00	-68.00			95.00	-68.00		
				180.00	-68.00		

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