

RADIATION PATTERN ENVELOPE

Antenna Type Number: HX12-6W
12.00 Foot Antenna 5.925-7.125 GHz Dual Polarized
Gain: 45.00 dBi at 6.525 GHz
— Envelope for a Horizontally Polarized Antenna (HH, HV)
— Envelope for a Vertically Polarized Antenna (VV, VH)

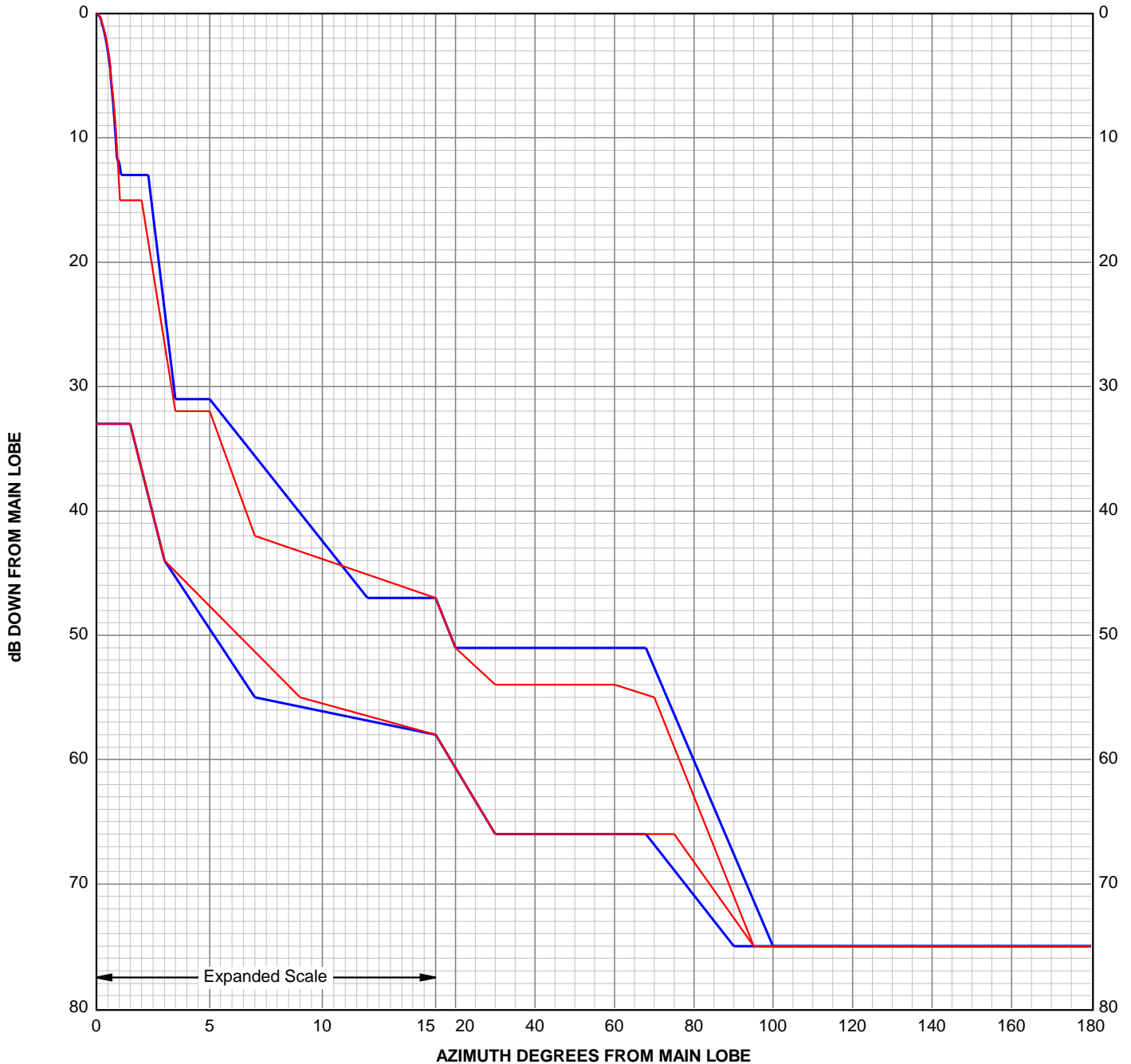
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".

ANDREW CORPORATION



RPE 7429

Engineering Approved:
9 May 2019



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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
0.05	-0.05	1.50	-33.00	0.05	-0.02	1.50	-33.00
0.10	-0.16	3.00	-44.00	0.10	-0.10	3.00	-44.00
0.15	-0.31	7.00	-55.00	0.15	-0.22	9.00	-55.00
0.20	-0.52	15.00	-58.00	0.20	-0.42	15.00	-58.00
0.25	-0.80	30.00	-66.00	0.25	-0.66	30.00	-66.00
0.30	-1.13	68.00	-66.00	0.30	-1.01	75.00	-66.00
0.35	-1.51	90.00	-75.00	0.35	-1.34	95.00	-75.00
0.40	-1.96	180.00	-75.00	0.40	-1.75	180.00	-75.00
0.45	-2.45			0.45	-2.31		
0.50	-3.05			0.50	-2.82		
0.55	-3.71			0.55	-3.40		
0.60	-4.46			0.60	-4.21		
0.65	-5.33			0.65	-5.00		
0.70	-6.30			0.70	-5.89		
0.75	-7.37			0.75	-6.87		
0.80	-8.67			0.80	-7.91		
0.85	-10.05			0.85	-9.23		
0.90	-11.63			0.90	-10.83		
1.00	-12.00			0.95	-12.39		
1.10	-13.00			1.00	-14.16		
2.30	-13.00			1.05	-15.00		
3.50	-31.00			2.00	-15.00		
5.00	-31.00			3.50	-32.00		
12.00	-47.00			5.00	-32.00		
15.00	-47.00			7.00	-42.00		
20.00	-51.00			15.00	-47.00		
68.00	-51.00			20.00	-51.00		
100.00	-75.00			30.00	-54.00		
180.00	-75.00			60.00	-54.00		
				70.00	-55.00		
				95.00	-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