

RADIATION PATTERN ENVELOPE

Antenna Type Number: HX12-4
12.00 Foot Antenna 4.400-5.000 GHz Dual Polarized
Gain: 42.20 dBi at 4.700 GHz
— Envelope for a Horizontally Polarized Antenna (HH, HV)
— Envelope for a Vertically Polarized Antenna (VV, VH)

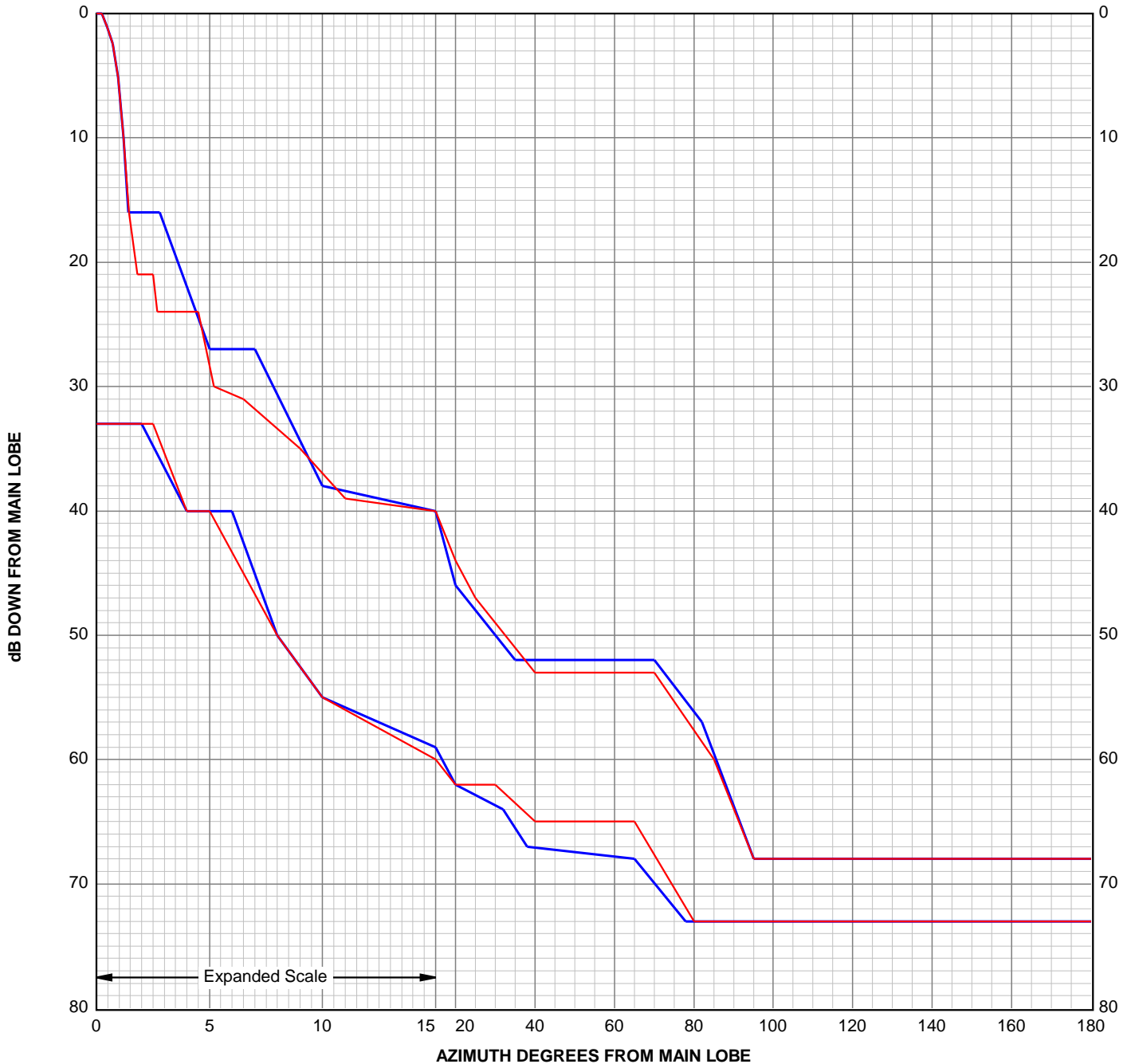
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".

ANDREW CORPORATION



RPE 7428

Engineering Approved:
9 May 2019



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 12.00 Foot Antenna 4.400-5.000 GHz Dual Polarized
 Gain: 42.20 dBi at 4.700 GHz
 RPE: 7428
 Engineering Approved: 9 May 2019



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
0.24	-0.01	2.00	-33.00	0.24	-0.01	2.50	-33.00
0.48	-1.11	4.00	-40.00	0.48	-1.11	4.00	-40.00
0.72	-2.43	6.00	-40.00	0.72	-2.43	5.00	-40.00
0.96	-5.14	8.00	-50.00	0.96	-5.14	8.00	-50.00
1.20	-10.00	10.00	-55.00	1.20	-10.00	10.00	-55.00
1.40	-16.00	15.00	-59.00	1.45	-16.00	15.00	-60.00
2.80	-16.00	20.00	-62.00	1.80	-21.00	20.00	-62.00
5.00	-27.00	32.00	-64.00	2.50	-21.00	30.00	-62.00
7.00	-27.00	38.00	-67.00	2.70	-24.00	40.00	-65.00
10.00	-38.00	65.00	-68.00	4.50	-24.00	65.00	-65.00
15.00	-40.00	78.00	-73.00	5.20	-30.00	80.00	-73.00
20.00	-46.00	180.00	-73.00	6.50	-31.00	180.00	-73.00
35.00	-52.00			9.00	-35.00		
70.00	-52.00			11.00	-39.00		
82.00	-57.00			15.00	-40.00		
95.00	-68.00			20.00	-44.00		
180.00	-68.00			25.00	-47.00		
				40.00	-53.00		
				70.00	-53.00		
				85.00	-60.00		
				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