

RADIATION PATTERN ENVELOPE

Antenna Type Number: USX12-4
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)

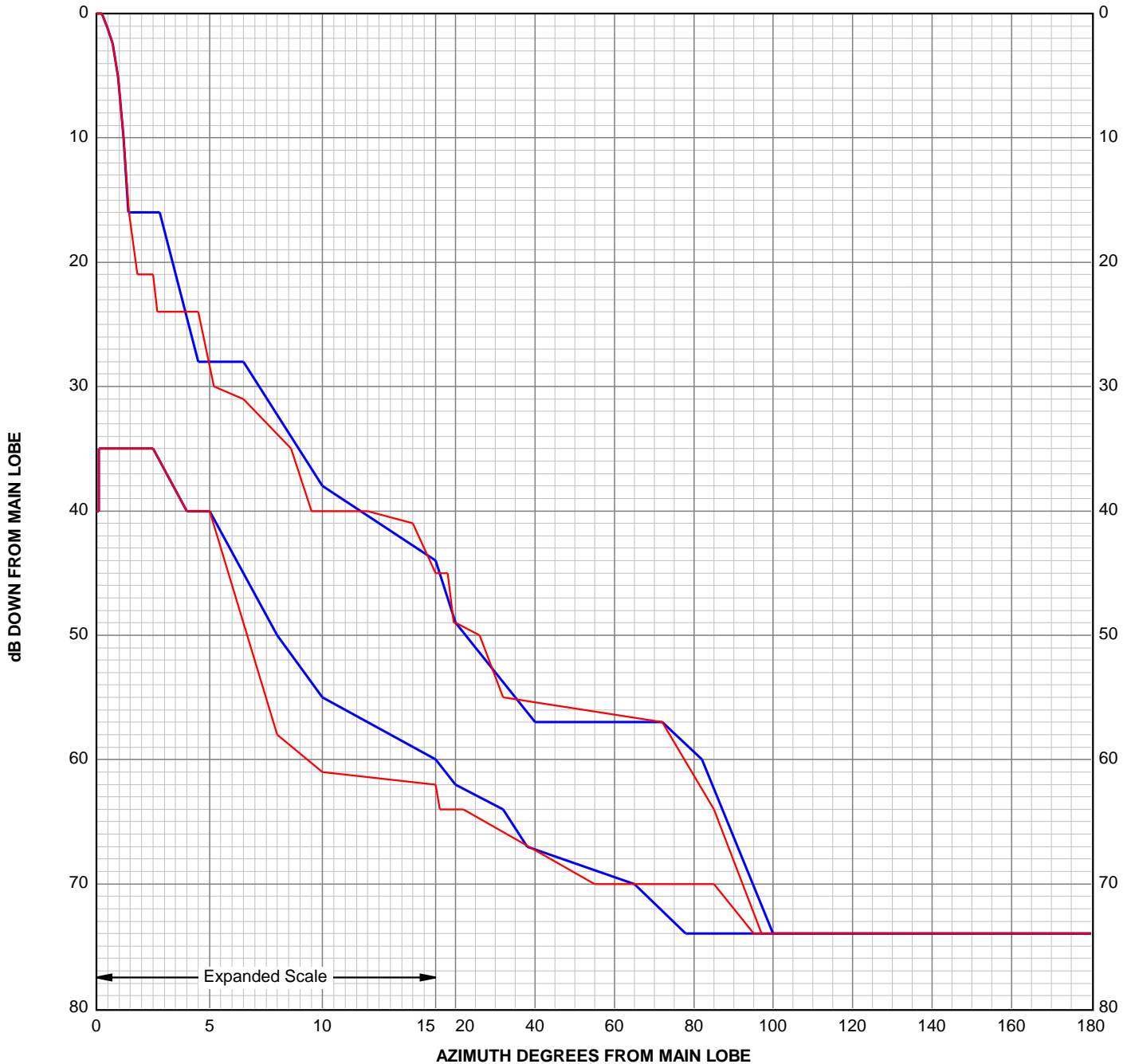
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".

ANDREW CORPORATION



RPE 7432

Engineering Approved:
10 May 2019



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 RPE: 7432
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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	-40.00	0.00	0.00	0.00	-40.00
0.24	-0.01	0.10	-40.00	0.24	-0.01	0.10	-40.00
0.48	-1.11	0.11	-35.00	0.48	-1.11	0.11	-35.00
0.72	-2.43	2.50	-35.00	0.72	-2.43	2.50	-35.00
0.96	-5.14	4.00	-40.00	0.96	-5.14	4.00	-40.00
1.20	-10.00	5.00	-40.00	1.20	-10.00	5.00	-40.00
1.40	-16.00	8.00	-50.00	1.45	-16.00	8.00	-58.00
2.80	-16.00	10.00	-55.00	1.80	-21.00	10.00	-61.00
4.50	-28.00	15.00	-60.00	2.50	-21.00	15.00	-62.00
6.50	-28.00	20.00	-62.00	2.70	-24.00	16.00	-64.00
10.00	-38.00	32.00	-64.00	4.50	-24.00	22.00	-64.00
15.00	-44.00	38.00	-67.00	5.20	-30.00	55.00	-70.00
20.00	-49.00	65.00	-70.00	6.50	-31.00	85.00	-70.00
40.00	-57.00	78.00	-74.00	8.60	-35.00	95.00	-74.00
72.00	-57.00	180.00	-74.00	9.50	-40.00	180.00	-74.00
82.00	-60.00			12.00	-40.00		
100.00	-74.00			14.00	-41.00		
180.00	-74.00			15.00	-45.00		
				18.00	-45.00		
				19.50	-49.00		
				20.00	-49.00		
				26.00	-50.00		
				32.00	-55.00		
				72.00	-57.00		
				85.00	-64.00		
				97.00	-74.00		
				180.00	-74.00		

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