

RADIATION PATTERN ENVELOPE

Antenna Type Number: USX6-15
6.00 Foot Antenna 14.400-15.350 GHz Dual Polarized
Gain: 46.10 dBi at 14.875 GHz
— Envelope for a Horizontally Polarized Antenna (HH, HV)
— Envelope for a Vertically Polarized Antenna (VV, VH)

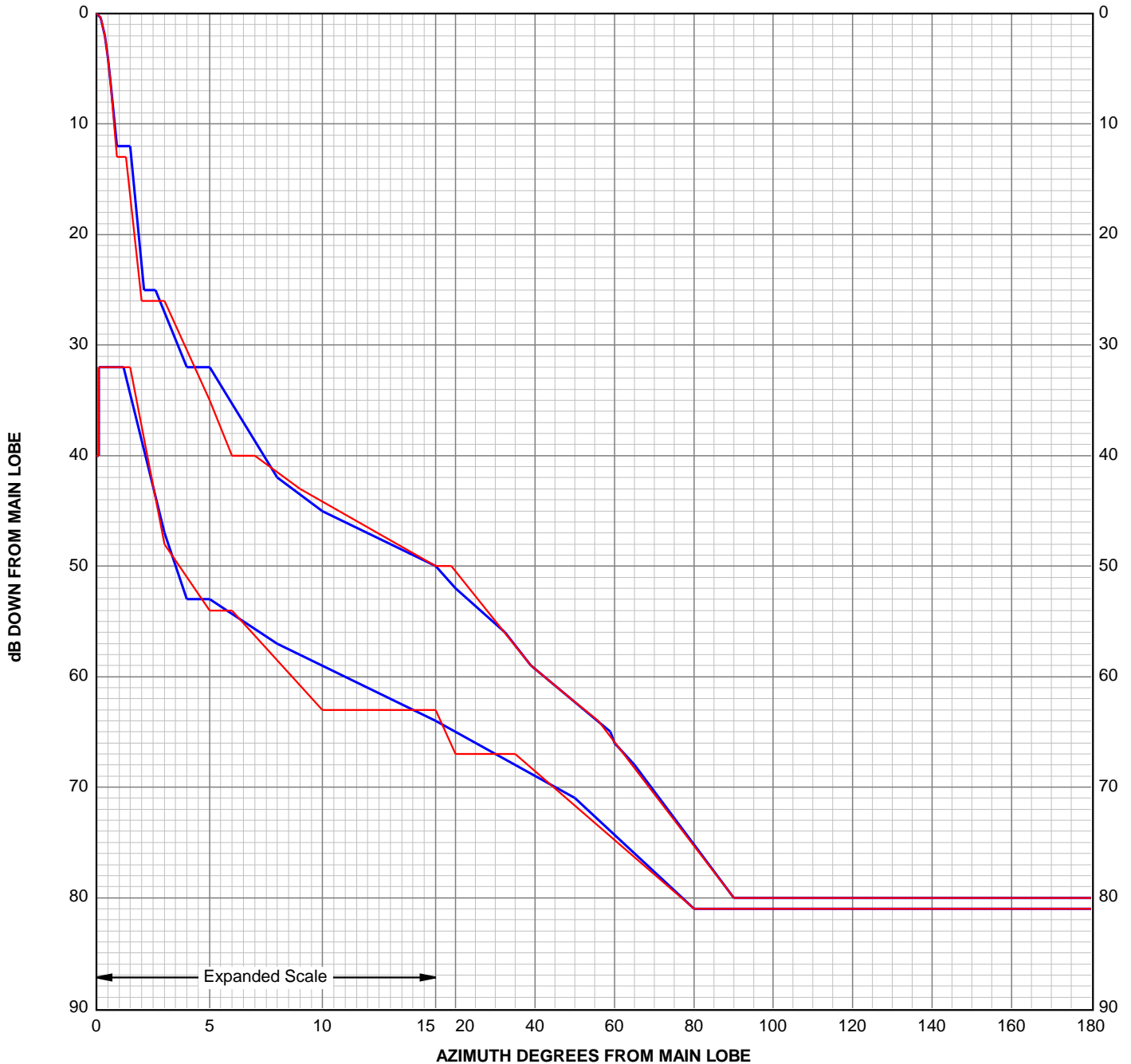
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".

ANDREW CORPORATION



RPE 7380

Engineering Approved:
3 June 2019



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 6.00 Foot Antenna 14.400-15.350 GHz Dual Polarized
 Gain: 46.10 dBi at 14.875 GHz
 RPE: 7380
 Engineering Approved: 3 June 2019



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
0.18	-0.38	0.10	-40.00	0.18	-0.32	0.10	-40.00
0.38	-2.00	0.11	-32.00	0.38	-2.00	0.11	-32.00
0.50	-4.00	1.20	-32.00	0.50	-4.00	1.50	-32.00
0.60	-6.00	3.00	-47.00	0.60	-6.00	3.00	-48.00
0.90	-12.00	4.00	-53.00	0.90	-13.00	5.00	-54.00
1.50	-12.00	5.00	-53.00	1.30	-13.00	6.00	-54.00
2.10	-25.00	8.00	-57.00	2.00	-26.00	10.00	-63.00
2.60	-25.00	15.00	-64.00	3.00	-26.00	15.00	-63.00
4.00	-32.00	50.00	-71.00	5.00	-35.00	20.00	-67.00
5.00	-32.00	80.00	-81.00	6.00	-40.00	35.00	-67.00
8.00	-42.00	180.00	-81.00	7.00	-40.00	80.00	-81.00
10.00	-45.00			9.00	-43.00	180.00	-81.00
15.00	-50.00			15.00	-50.00		
20.00	-52.00			19.00	-50.00		
32.50	-56.00			39.00	-59.00		
39.00	-59.00			49.00	-62.00		
59.00	-65.00			56.00	-64.00		
60.00	-66.00			90.00	-80.00		
65.00	-68.00			180.00	-80.00		
90.00	-80.00						
180.00	-80.00						

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