

RADIATION PATTERN ENVELOPE

Antenna Type Number: USX10-3
10.00 Foot Antenna 3.600-4.200 GHz Dual Polarized
Gain: 38.90 dBi at 3.900 GHz
— Envelope for a Horizontally Polarized Antenna (HH, HV)
— Envelope for a Vertically Polarized Antenna (VV, VH)

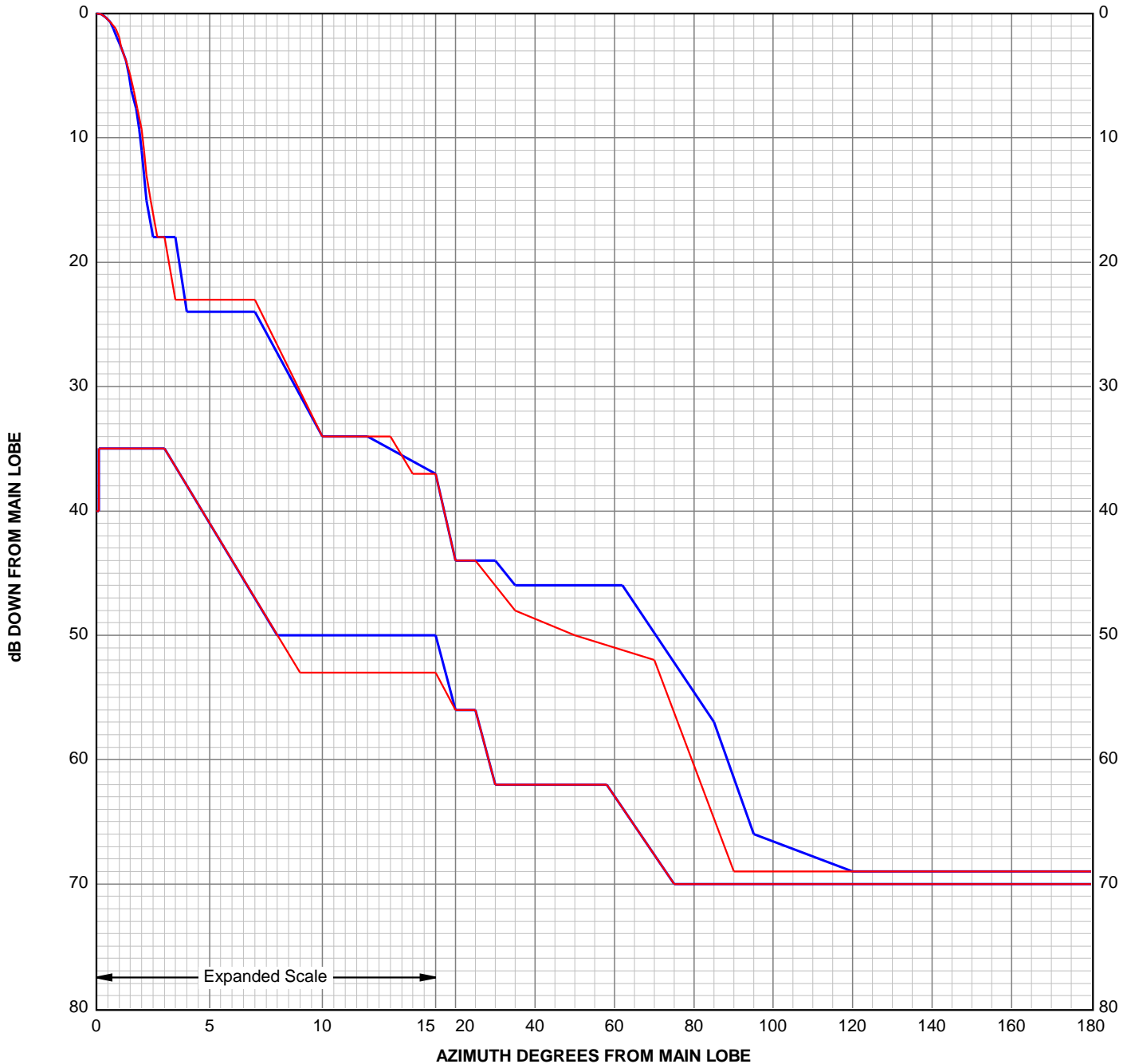
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".

ANDREW CORPORATION



RPE 7422

Engineering Approved:
13 March 2019



Antenna Type Number: USX10-3
 10.00 Foot Antenna 3.600-4.200 GHz Dual Polarized
 Gain: 38.90 dBi at 3.900 GHz
 RPE: 7422
 Engineering Approved: 13 March 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
0.20	-0.07	0.10	-40.00	0.20	-0.07	0.10	-40.00
0.40	-0.30	0.11	-35.00	0.40	-0.30	0.11	-35.00
0.60	-0.69	3.00	-35.00	0.60	-0.69	3.00	-35.00
0.75	-1.22	8.00	-50.00	0.85	-1.22	9.00	-53.00
0.90	-1.92	15.00	-50.00	1.00	-1.92	15.00	-53.00
1.10	-2.70	20.00	-56.00	1.10	-2.70	20.00	-56.00
1.30	-3.76	25.00	-56.00	1.30	-3.76	25.00	-56.00
1.45	-4.92	30.00	-62.00	1.50	-4.92	30.00	-62.00
1.55	-6.22	58.00	-62.00	1.65	-6.22	58.00	-62.00
1.75	-7.68	75.00	-70.00	1.80	-7.68	75.00	-70.00
1.90	-9.29	180.00	-70.00	2.00	-9.29	180.00	-70.00
2.00	-11.00			2.10	-11.00		
2.10	-13.00			2.20	-13.00		
2.20	-15.00			2.40	-15.00		
2.50	-18.00			2.70	-18.00		
3.50	-18.00			3.00	-18.00		
4.00	-24.00			3.50	-23.00		
7.00	-24.00			7.00	-23.00		
10.00	-34.00			10.00	-34.00		
12.00	-34.00			13.00	-34.00		
15.00	-37.00			14.00	-37.00		
20.00	-44.00			15.00	-37.00		
30.00	-44.00			20.00	-44.00		
35.00	-46.00			25.00	-44.00		
62.00	-46.00			35.00	-48.00		
85.00	-57.00			50.00	-50.00		
95.00	-66.00			70.00	-52.00		
120.00	-69.00			90.00	-69.00		
180.00	-69.00			180.00	-69.00		

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