


RADIATION PATTERN ENVELOPE

Antenna Type Number: USX10-4
 10.00 Foot Antenna 4.400-5.000 GHz Dual Polarized
 Gain: 40.60 dBi at 4.700 GHz
 — Envelope for a Horizontally Polarized Antenna (HH, HV)
 — Envelope for a Vertically Polarized Antenna (VV, VH)

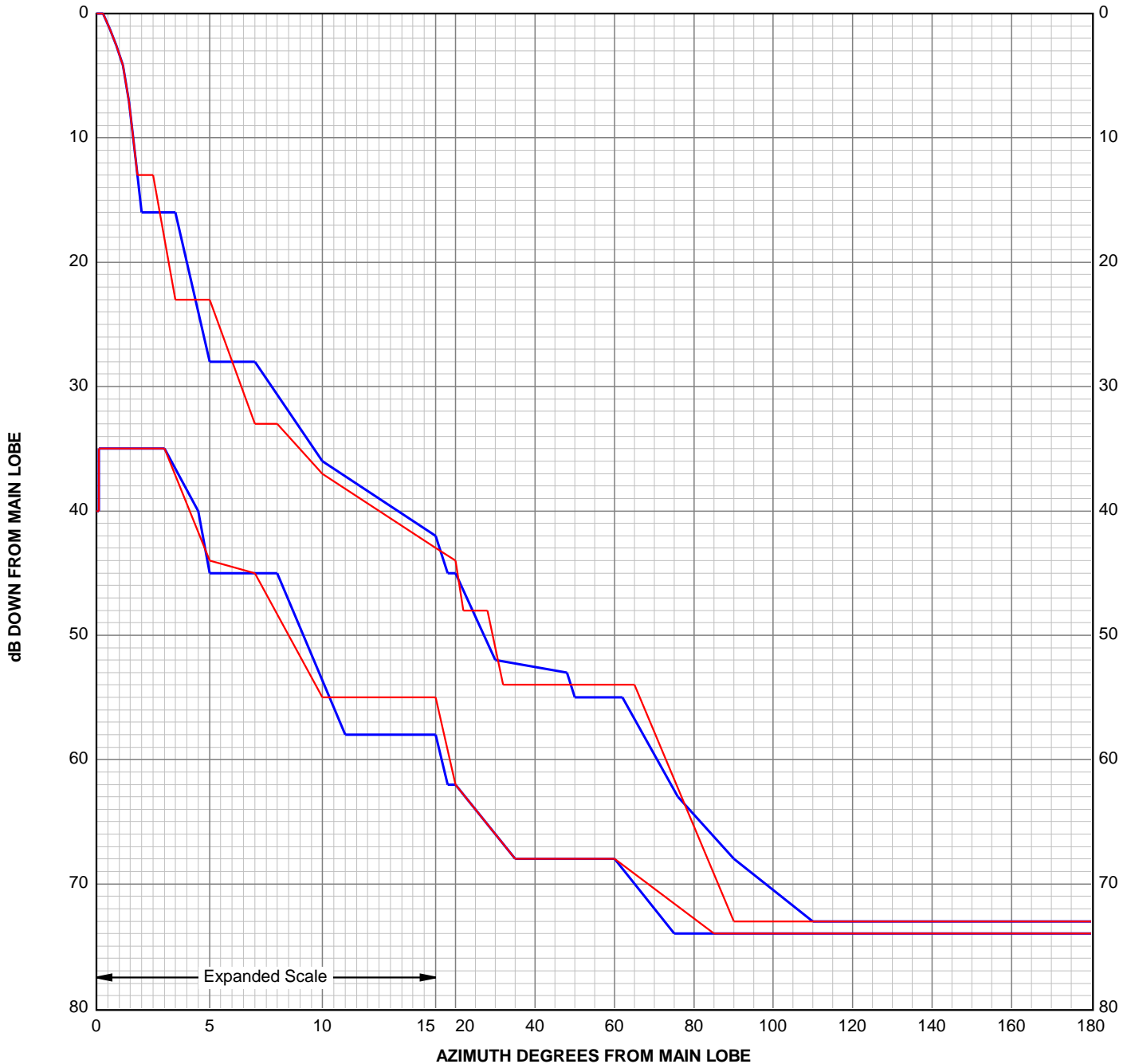
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".

ANDREW CORPORATION



RPE 7423

Engineering Approved:
 18 March 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	-40.00	0.00	0.00	0.00	-40.00
0.29	-0.01	0.10	-40.00	0.29	-0.01	0.10	-40.00
0.58	-1.23	0.11	-35.00	0.58	-1.23	0.11	-35.00
0.87	-2.59	3.00	-35.00	0.87	-2.59	3.00	-35.00
1.16	-4.16	4.50	-40.00	1.16	-4.16	5.00	-44.00
1.44	-7.09	5.00	-45.00	1.44	-7.09	7.00	-45.00
1.73	-11.69	8.00	-45.00	1.73	-11.69	10.00	-55.00
2.00	-16.00	11.00	-58.00	1.80	-13.00	15.00	-55.00
3.50	-16.00	15.00	-58.00	2.50	-13.00	20.00	-62.00
5.00	-28.00	18.00	-62.00	3.50	-23.00	35.00	-68.00
7.00	-28.00	20.00	-62.00	5.00	-23.00	60.00	-68.00
10.00	-36.00	35.00	-68.00	7.00	-33.00	85.00	-74.00
15.00	-42.00	60.00	-68.00	8.00	-33.00	180.00	-74.00
18.00	-45.00	75.00	-74.00	10.00	-37.00		
20.00	-45.00	180.00	-74.00	15.00	-43.00		
30.00	-52.00			20.00	-44.00		
48.00	-53.00			22.00	-48.00		
50.00	-55.00			28.00	-48.00		
62.00	-55.00			32.00	-54.00		
76.00	-63.00			65.00	-54.00		
90.00	-68.00			90.00	-73.00		
110.00	-73.00			180.00	-73.00		
180.00	-73.00						

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