

RADIATION PATTERN ENVELOPE

Antenna Type Number: LX6-7W
 6.00 Foot Antenna 7.125-8.500 GHz Dual Polarized
 Gain: 39.70 dBi at 7.813 GHz

- Envelope for a Horizontally Polarized Antenna (HH, HV)
- Envelope for a Vertically Polarized Antenna (VV, VH)

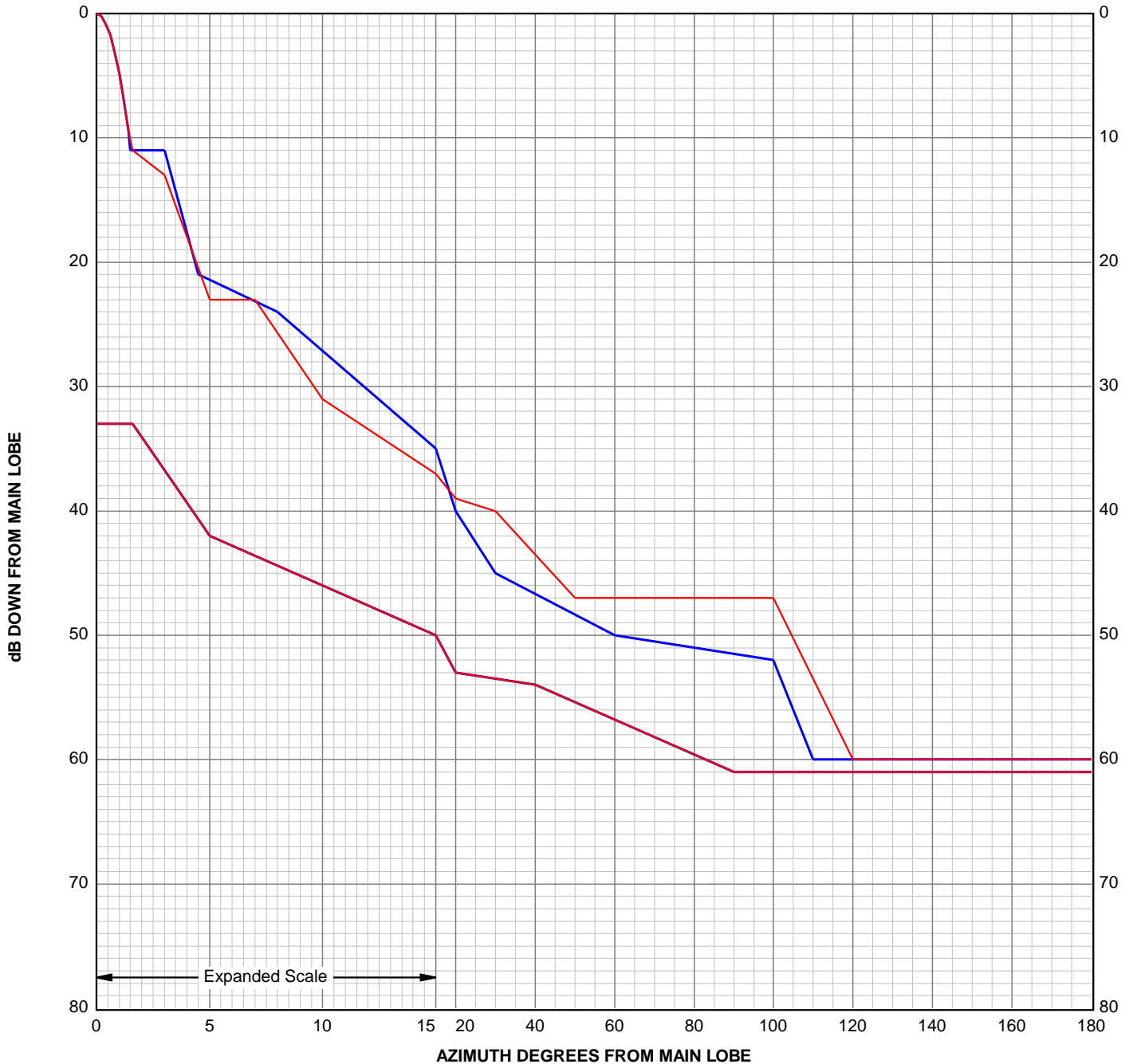
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".

ANDREW CORPORATION



RPE 7439

Engineering Approved:
 1 October 2019



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 RPE: 7439
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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	-33.00	0.00	0.00	0.00	-33.00
0.20	-0.20	1.60	-33.00	0.20	-0.20	1.60	-33.00
0.40	-0.80	5.00	-42.00	0.40	-0.80	5.00	-42.00
0.60	-1.70	15.00	-50.00	0.60	-1.70	15.00	-50.00
0.80	-3.10	20.00	-53.00	0.80	-3.10	20.00	-53.00
1.00	-4.80	40.00	-54.00	1.00	-4.80	40.00	-54.00
1.20	-6.90	90.00	-61.00	1.20	-6.90	90.00	-61.00
1.40	-9.40	180.00	-61.00	1.40	-9.40	180.00	-61.00
1.50	-11.00			1.60	-11.00		
3.00	-11.00			3.00	-13.00		
4.50	-21.00			5.00	-23.00		
8.00	-24.00			7.00	-23.00		
15.00	-35.00			10.00	-31.00		
20.00	-40.00			15.00	-37.00		
30.00	-45.00			20.00	-39.00		
60.00	-50.00			30.00	-40.00		
100.00	-52.00			50.00	-47.00		
110.00	-60.00			100.00	-47.00		
180.00	-60.00			120.00	-60.00		
				180.00	-60.00		

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