

RADIATION PATTERN ENVELOPE

Antenna Type Number: HX10-13W
10.00 Foot Antenna 12.200-13.250 GHz Dual Polarized
Gain: 48.80 dBi at 12.725 GHz

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

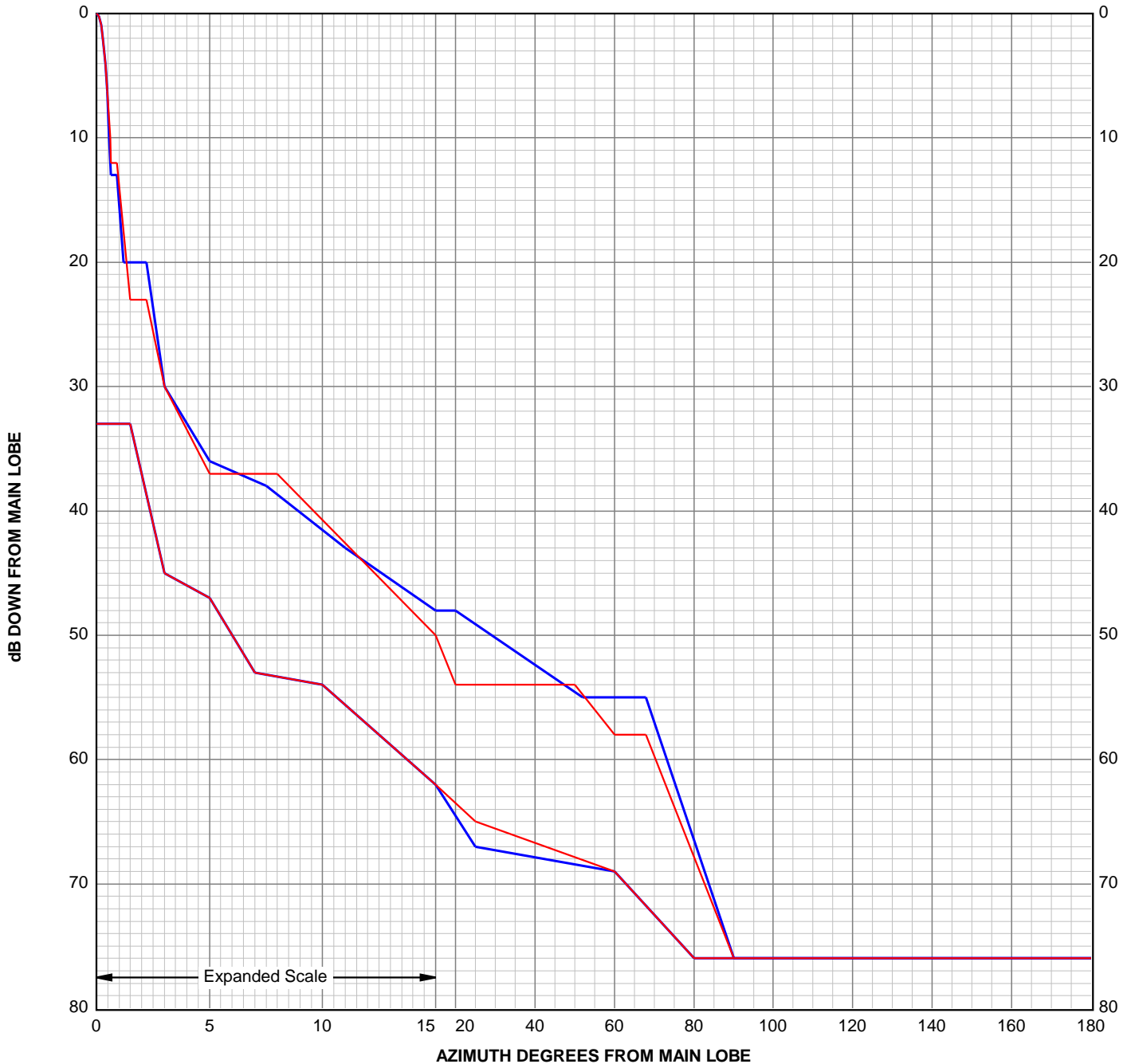
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".

ANDREW CORPORATION



RPE 7421

Engineering Approved:
8 March 2019



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 RPE: 7421
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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
0.10	-0.20	1.50	-33.00	0.10	-0.20	1.50	-33.00
0.20	-0.90	3.00	-45.00	0.20	-0.90	3.00	-45.00
0.30	-2.20	5.00	-47.00	0.30	-2.20	5.00	-47.00
0.40	-4.05	7.00	-53.00	0.40	-4.05	7.00	-53.00
0.47	-6.25	10.00	-54.00	0.47	-6.25	10.00	-54.00
0.55	-10.00	15.00	-62.00	0.60	-10.00	15.00	-62.00
0.65	-13.00	25.00	-67.00	0.65	-12.00	25.00	-65.00
0.90	-13.00	60.00	-69.00	0.90	-12.00	60.00	-69.00
1.20	-20.00	80.00	-76.00	1.50	-23.00	80.00	-76.00
2.20	-20.00	180.00	-76.00	2.20	-23.00	180.00	-76.00
3.00	-30.00			3.00	-30.00		
5.00	-36.00			5.00	-37.00		
7.50	-38.00			8.00	-37.00		
11.00	-43.00			15.00	-50.00		
15.00	-48.00			20.00	-54.00		
20.00	-48.00			50.00	-54.00		
52.00	-55.00			60.00	-58.00		
68.00	-55.00			68.00	-58.00		
90.00	-76.00			90.00	-76.00		
180.00	-76.00			180.00	-76.00		

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