

RADIATION PATTERN ENVELOPE

Antenna Type Number: HX8-4
8.00 Foot Antenna 4.200-5.000 GHz Dual Polarized
Gain: 38.80 dBi at 4.600 GHz

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

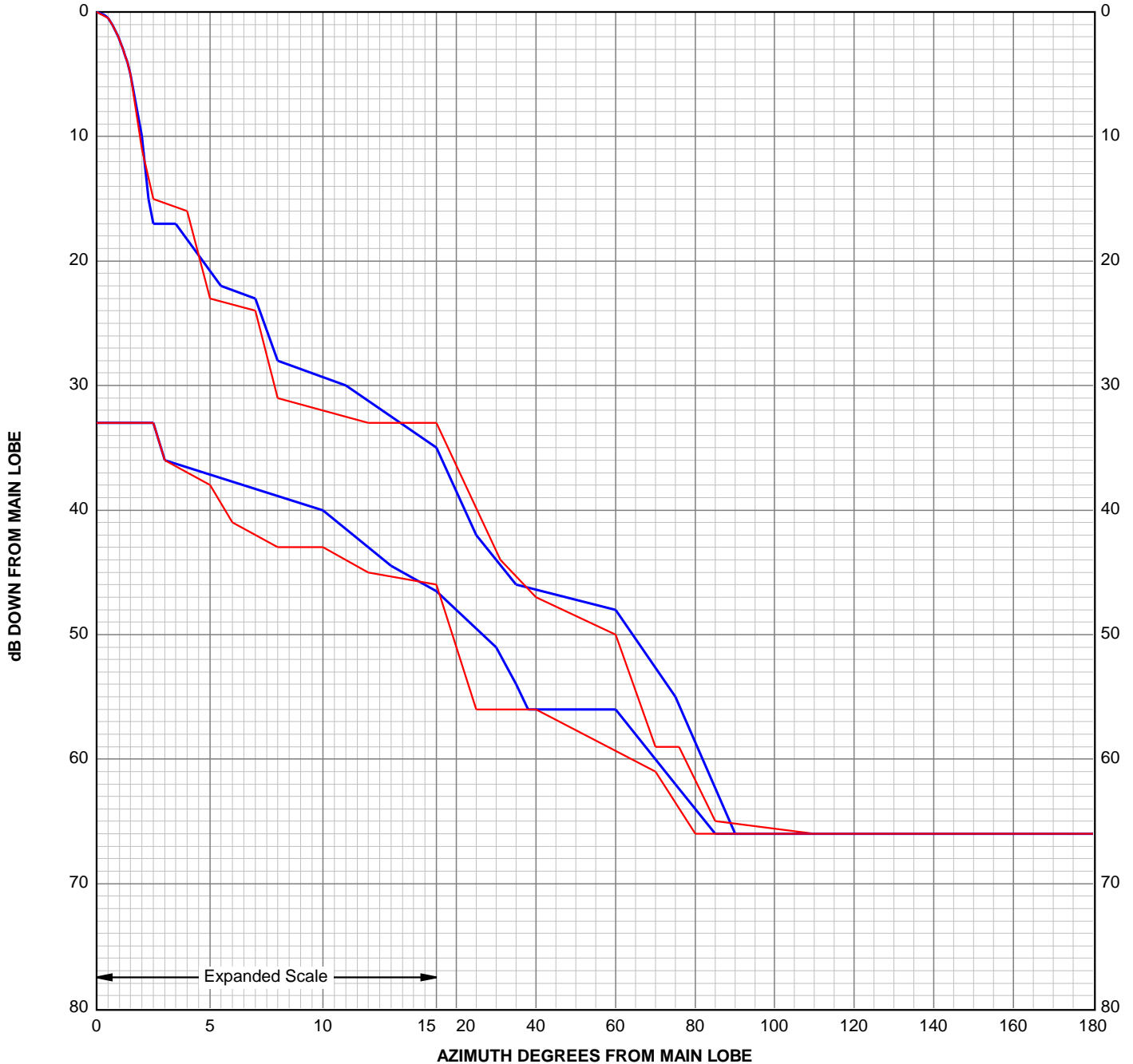
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".

ANDREW CORPORATION



RPE 7388

Engineering Approved:
16 July 2018



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 RPE: 7388
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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
0.35	-0.25	2.50	-33.00	0.50	-0.50	2.50	-33.00
0.50	-0.50	3.00	-36.00	0.70	-1.00	3.00	-36.00
0.70	-1.00	10.00	-40.00	0.83	-1.50	5.00	-38.00
0.83	-1.50	13.00	-44.50	0.95	-2.00	6.00	-41.00
0.95	-2.00	15.00	-46.50	1.07	-2.50	8.00	-43.00
1.07	-2.50	30.00	-51.00	1.16	-3.00	10.00	-43.00
1.16	-3.00	35.00	-54.00	1.25	-3.50	12.00	-45.00
1.25	-3.50	38.00	-56.00	1.35	-4.00	15.00	-46.00
1.35	-4.00	60.00	-56.00	1.50	-5.00	25.00	-56.00
1.50	-5.00	75.00	-62.00	2.00	-11.00	40.00	-56.00
2.00	-10.00	85.00	-66.00	2.50	-15.00	70.00	-61.00
2.30	-15.00	180.00	-66.00	4.00	-16.00	80.00	-66.00
2.50	-17.00			5.00	-23.00	180.00	-66.00
3.50	-17.00			7.00	-24.00		
5.50	-22.00			8.00	-31.00		
7.00	-23.00			12.00	-33.00		
8.00	-28.00			15.00	-33.00		
11.00	-30.00			31.00	-44.00		
15.00	-35.00			40.00	-47.00		
25.00	-42.00			60.00	-50.00		
35.00	-46.00			70.00	-59.00		
60.00	-48.00			76.00	-59.00		
75.00	-55.00			85.00	-65.00		
90.00	-66.00			110.00	-66.00		
180.00	-66.00			180.00	-66.00		

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