RADIATION PATTERN ENVELOPE

Antenna Type Number: HX6-4
6.00 Foot Antenna 4.400-5.000 GHz Dual Polarized
Gain: 36.30 dBi at 4.700 GHz
Envelope for a Horizontally Polarized Antenna (HH, HV)
Envelope for a Vertically Polarized Antenna (VV, VH)

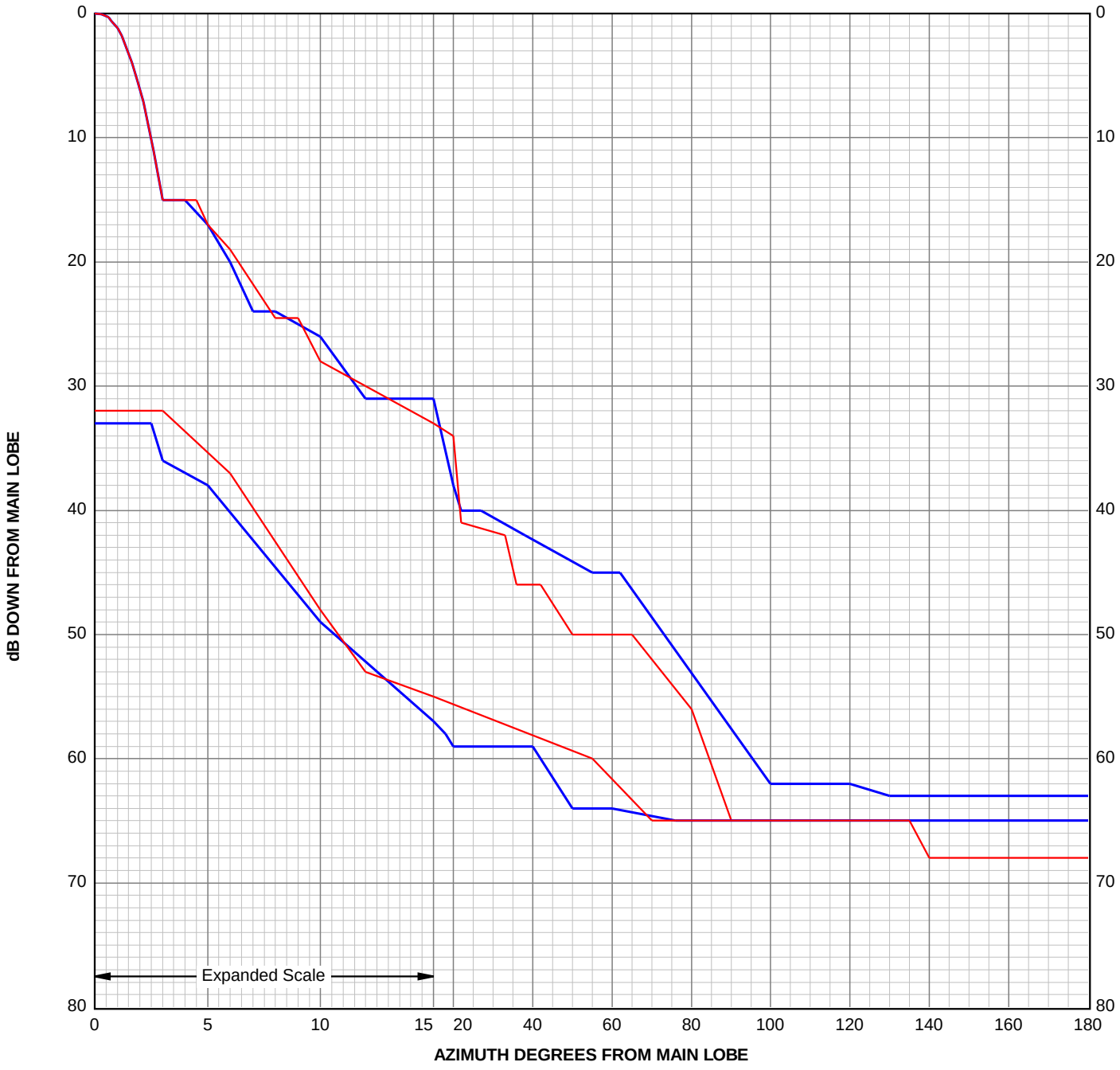
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".

ANDREW CORPORATION

ANDREW®

RPE 7386

Engineering Approved:
19 January 2018



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H/H		H/V		V/V		V/H	
Angle	**dB**	**Angle**	**dB**	**Angle**	**dB**	**Angle**	**dB**
0.00	0.00	0.00	-33.00	0.00	0.00	0.00	-32.00
0.30	-0.07	2.50	-33.00	0.30	-0.07	3.00	-32.00
0.60	-0.28	3.00	-36.00	0.60	-0.28	6.00	-37.00
0.75	-0.64	5.00	-38.00	0.75	-0.64	10.00	-48.00
1.00	-1.14	10.00	-49.00	1.00	-1.14	12.00	-53.00
1.20	-1.78	15.00	-57.00	1.20	-1.78	15.00	-55.00
1.65	-3.99	18.00	-58.00	1.65	-3.99	55.00	-60.00
1.90	-5.44	20.00	-59.00	1.90	-5.44	70.00	-65.00
2.15	-7.10	40.00	-59.00	2.15	-7.10	135.00	-65.00
2.60	-11.09	50.00	-64.00	2.60	-11.09	140.00	-68.00
3.00	-15.00	60.00	-64.00	3.00	-15.00	180.00	-68.00
4.00	-15.00	76.00	-65.00	4.50	-15.00		
5.00	-17.00	180.00	-65.00	5.00	-17.00		
6.00	-20.00			6.00	-19.00		
7.00	-24.00			8.00	-24.50		
8.00	-24.00			9.00	-24.50		
10.00	-26.00			10.00	-28.00		
12.00	-31.00			12.00	-30.00		
15.00	-31.00			15.00	-33.00		
20.00	-38.00			20.00	-34.00		
22.00	-40.00			22.00	-41.00		
27.00	-40.00			33.00	-42.00		
38.00	-42.00			36.00	-46.00		
55.00	-45.00			42.00	-46.00		
62.00	-45.00			50.00	-50.00		
100.00	-62.00			65.00	-50.00		
120.00	-62.00			80.00	-56.00		
130.00	-63.00			90.00	-65.00		
180.00	-63.00			180.00	-65.00		

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

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