

RADIATION PATTERN ENVELOPE

Antenna Type Number: VHLPX4-23
4.00 Foot Antenna 21.200-23.600 GHz Dual Polarized
Gain: 46.10 dBi at 22.400 GHz
— Envelope for a Horizontally Polarized Antenna (HH, HV)
— Envelope for a Vertically Polarized Antenna (VV, VH)

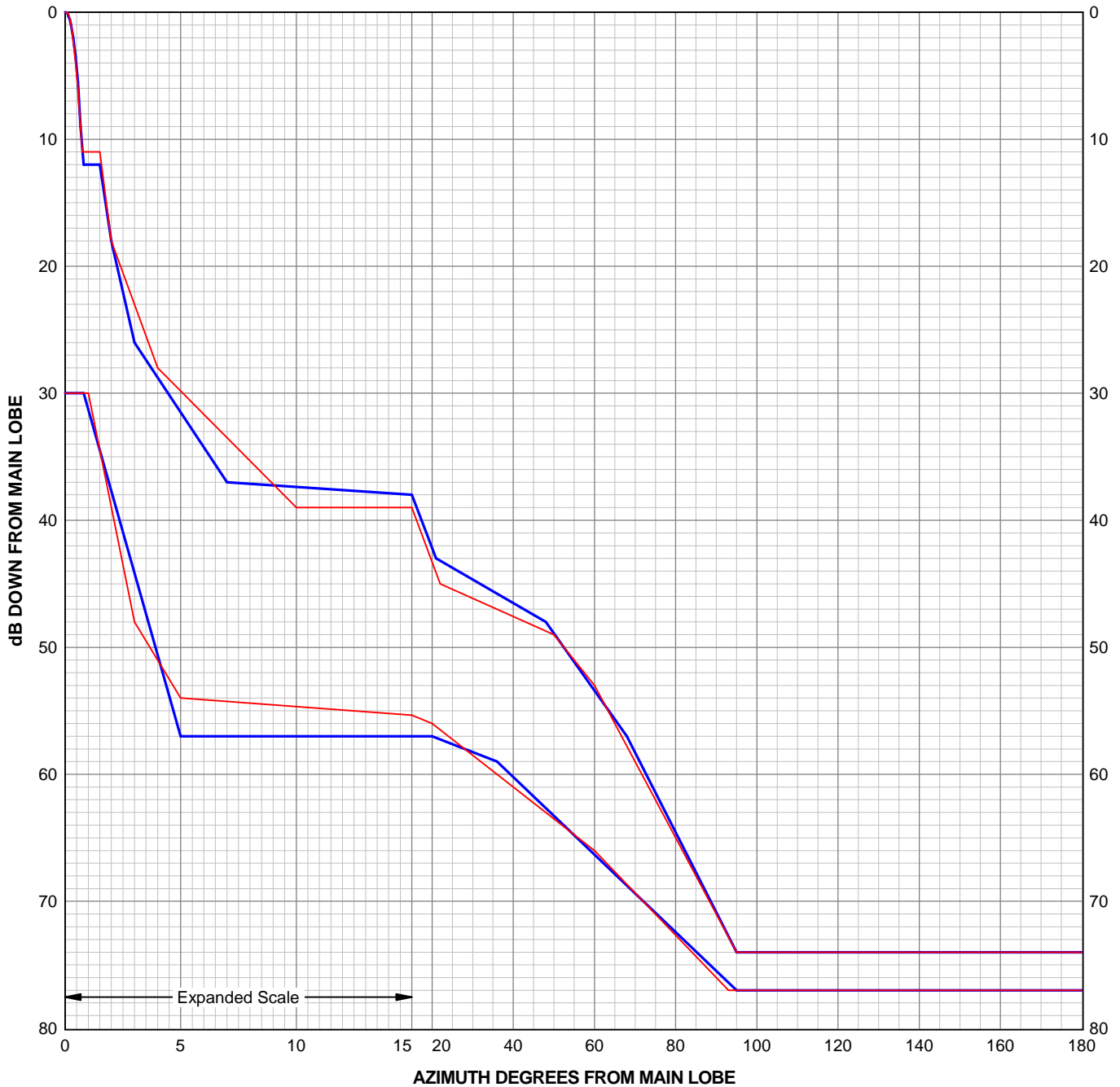
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".



RPE 7068C

Engineering Approved:
26 May 2014

ANDREW CORPORATION



Antenna Type Number: VHLPX4-23
 4.00 Foot Antenna 21.200-23.600 GHz Dual Polarized
 Gain: 46.10 dBi at 22.400 GHz
 RPE: 7068C
 Engineering Approved: 26 May 2014



Angle	H/H dB	Angle	H/V dB	Angle	V/V dB	Angle	V/H dB
0.00	0.00	0.00	-30.00	0.00	0.00	0.00	-30.00
0.05	-0.03	0.80	-30.00	0.05	-0.07	1.00	-30.00
0.10	-0.07	5.00	-57.00	0.10	-0.03	3.00	-48.00
0.15	-0.34	20.00	-57.00	0.15	-0.17	5.00	-54.00
0.20	-0.58	36.00	-59.00	0.20	-0.51	20.00	-56.00
0.25	-0.95	95.00	-77.00	0.25	-0.91	60.00	-66.00
0.35	-2.00	180.00	-77.00	0.30	-1.49	93.00	-77.00
0.45	-3.50			0.35	-2.30	180.00	-77.00
0.55	-5.50			0.45	-3.93		
0.67	-9.00			0.55	-6.00		
0.80	-12.00			0.65	-8.75		
1.50	-12.00			0.75	-11.00		
2.00	-18.00			1.50	-11.00		
3.00	-26.00			2.00	-18.00		
7.00	-37.00			4.00	-28.00		
15.00	-38.00			10.00	-39.00		
21.00	-43.00			15.00	-39.00		
48.00	-48.00			22.00	-45.00		
68.00	-57.00			50.00	-49.00		
95.00	-74.00			60.00	-53.00		
180.00	-74.00			95.00	-74.00		
				180.00	-74.00		

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