

RADIATION PATTERN ENVELOPE

Antenna Type Number: SHPX4-15
4.00 Foot Antenna 14.400-15.350 GHz Dual Polarized
Gain: 43.20 dBi at 14.875 GHz
— Envelope for a Horizontally Polarized Antenna (HH, HV)
— Envelope for a Vertically Polarized Antenna (VV, VH)

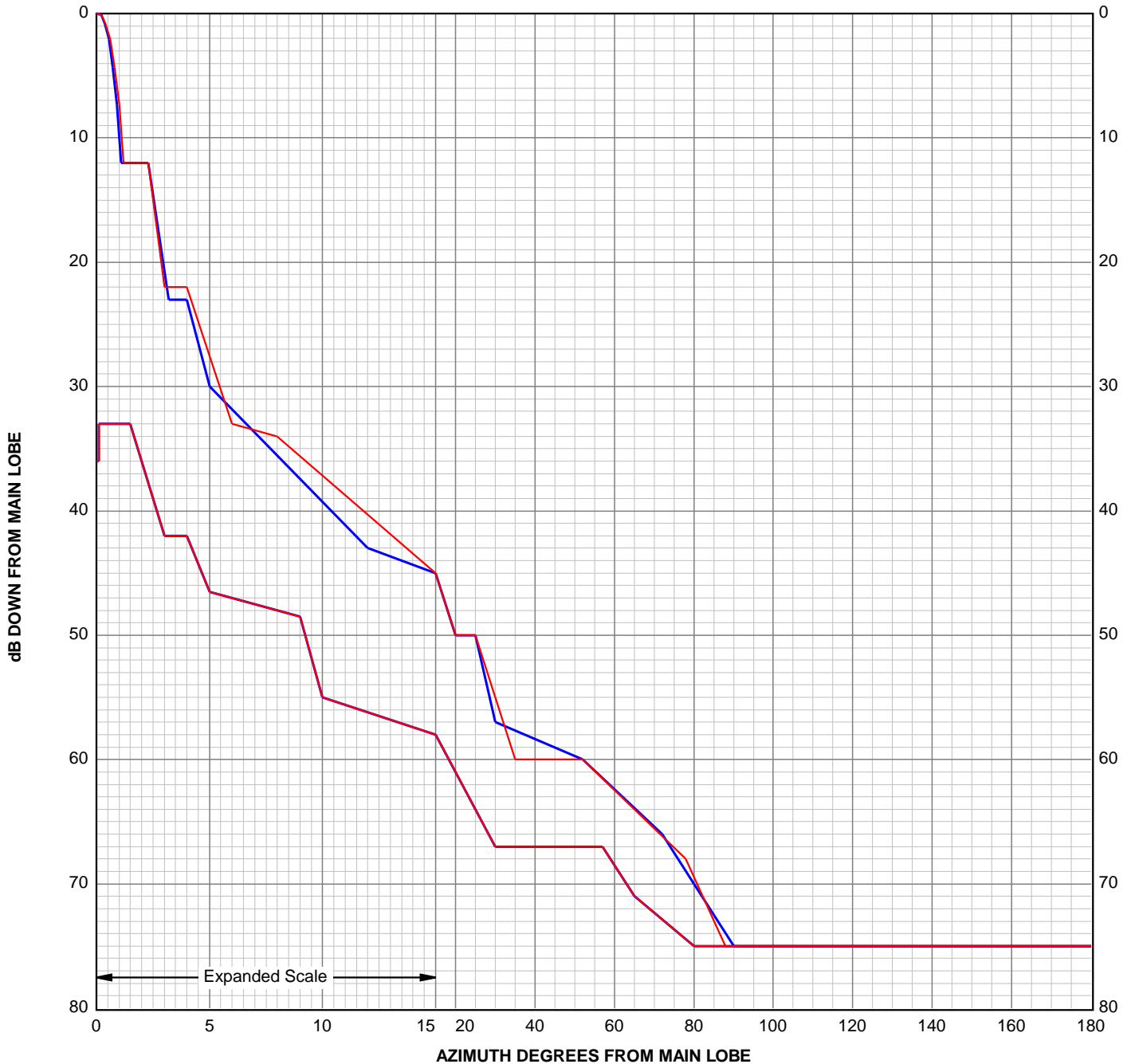
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".

ANDREW CORPORATION



RPE 7406

Engineering Approved:
14 June 2019



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 RPE: 7406
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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	-36.00	0.00	0.00	0.00	-36.00
0.20	-0.10	0.10	-36.00	0.20	-0.10	0.10	-36.00
0.38	-0.80	0.11	-33.00	0.40	-0.80	0.11	-33.00
0.55	-2.10	1.50	-33.00	0.60	-2.10	1.50	-33.00
0.72	-4.30	3.00	-42.00	0.80	-4.30	3.00	-42.00
0.90	-7.30	4.00	-42.00	1.00	-7.30	4.00	-42.00
1.10	-12.00	5.00	-46.50	1.20	-12.00	5.00	-46.50
2.30	-12.00	9.00	-48.50	2.30	-12.00	9.00	-48.50
3.20	-23.00	10.00	-55.00	3.00	-22.00	10.00	-55.00
4.00	-23.00	15.00	-58.00	4.00	-22.00	15.00	-58.00
5.00	-30.00	30.00	-67.00	6.00	-33.00	30.00	-67.00
12.00	-43.00	57.00	-67.00	8.00	-34.00	57.00	-67.00
15.00	-45.00	65.00	-71.00	15.00	-45.00	65.00	-71.00
20.00	-50.00	80.00	-75.00	20.00	-50.00	80.00	-75.00
25.00	-50.00	180.00	-75.00	25.00	-50.00	180.00	-75.00
30.00	-57.00			35.00	-60.00		
52.00	-60.00			52.00	-60.00		
72.00	-66.00			78.00	-68.00		
80.00	-70.00			88.00	-75.00		
90.00	-75.00			180.00	-75.00		
180.00	-75.00						

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