

Y400 Series Yagi's

UHF 380-520MHz

Square Boom Yagi

The Y400 series of directional base station yagi's range from 3 to 15 element configuration depending on your gain requirements.

Y406, Y409 and Y415 fixed frequency models A, B, C, D and E are also available, please see 'Y400ABCDE' specification sheet.

Mounting clamps, coaxial feeder cable, connectors and other installation accessories are all available separately.

Specifications		Y403	Y404	Y406	Y409	Y415
Construction		Aluminium, or add SS for stainless steel (304 grade)				
Frequency and Bandwidth		UHF 380-520MHz (specify 20MHz bandwidth)				
Tuning		Factory	Factory	Factory	Factory	Factory
Return Loss, VSWR		<1.5:1 across specified bandwidth				
Number of Elements		3	4	6	9	15
Gain (nominal)		6 dBd	7.5 dBd	9 dBd	11.5 dBd	14 dBd
Polarisation		Mount Horizontal or Vertical as required				
Maximum Power		150 Watts	150 Watts	150 Watts	150 Watts	150 Watts
Impedance		50 Ohms	50 Ohms	50 Ohms	50 Ohms	50 Ohms
H Plane (at 3 dB)		76°	62°	50°	44°	37°
E Plane (at 3 dB)		57°	54°	46°	36°	33°
Front-to-Back Ratio		15 dB	17 dB	17 dB	17 dB	17 dB
Connector (fitted)		N-type female fitted to 250mm RG59 cable tail				
Boom Length (at 380MHz)		0.7 metres	0.9 metres	1.2 metres	1.7 metres	2.5 metres
Longest Element		400mm	400mm	400mm	400mm	400mm
Weight	Aluminium	0.4Kg	0.5Kg	0.7Kg	1Kg	1.3Kg
	Stainless Steel	0.9Kg	1.2Kg	1.6Kg	2.3Kg	3Kg
Projected Area		0.03m ²	0.04m ²	0.06m ²	0.09m ²	0.125m ²
Wind Load at 160kph		3.8Kg	5Kg	7Kg	9Kg	16Kg
Strut kit (order separately)		Not required				YS1-48 or YS2-48
Mounting Accessories (order separate)		1 x A48 for Aluminium or 1 x S48 for Stainless steel				

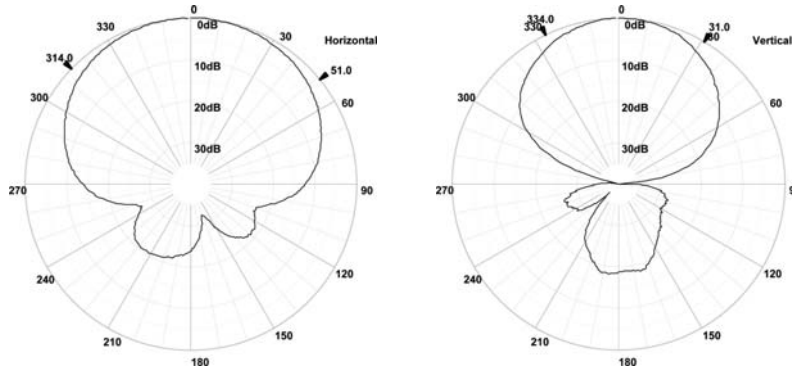


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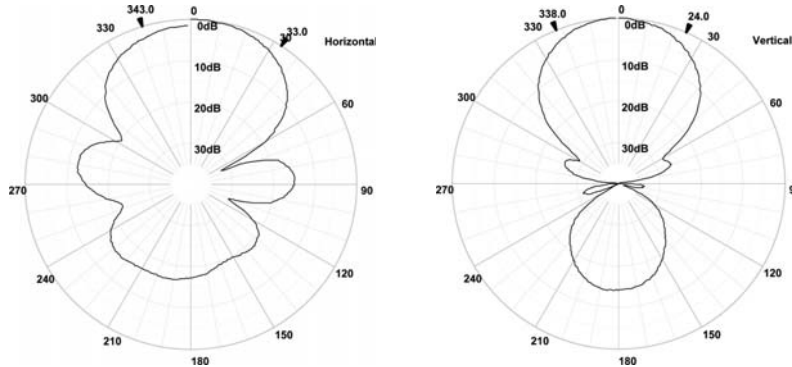
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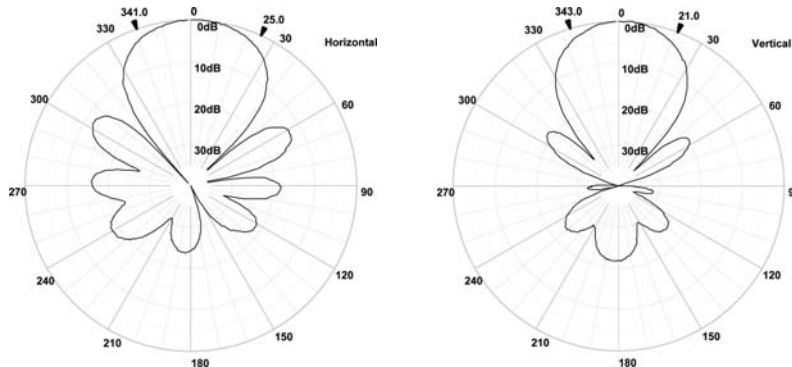
3 element Y403 at 520 MHz



6 element Y406 at 470 MHz



9 element Y409 at 420 MHz



15 element Y415 at 450 MHz

