

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

Specifications		Y403	Y404	Y406	Y409	Y415
Construction		Fully-welded Aluminium, or add -SS for 304 grade stainless steel				
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 and cable		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	1.0kg	1.3kg
	Stainless steel	0.9kg	1.2kg	1.6kg	2.3kg	3.0kg
Projected area		0.03m ²	0.04m ²	0.06m ²	0.09m ²	0.125m ²
Wind load at 160kph		3.8kg	5.0kg	7.0kg	9.0kg	16kg
Strut kit (order separate)		Not required				YS1-48 or YS2-48
Mounting hardware (order separate)		1 x A48 (30-50mm) or A48-65 (50-60mm) for aluminium or 1 x S48 (30-50mm) or S48-76(60-76mm) for stainless steel				

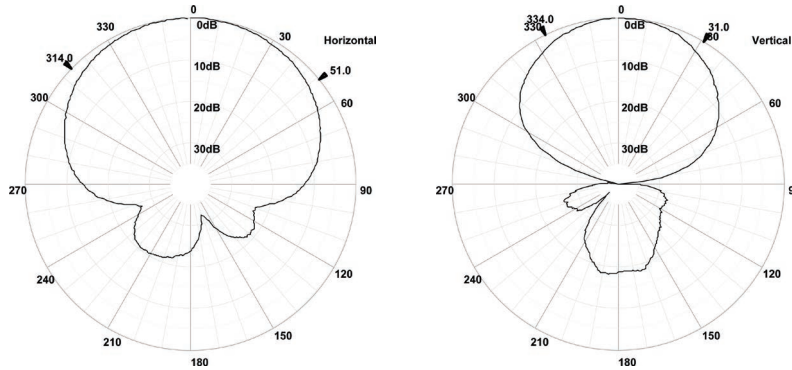


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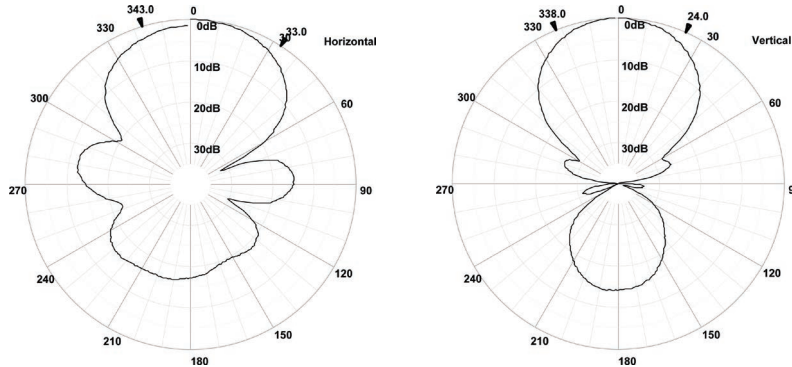
UHF 380-520MHz

Square boom Yagi

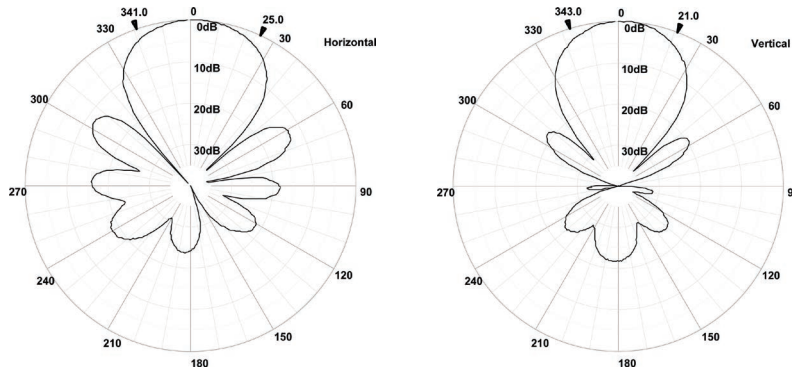
3 element Y403 at 520 MHz



6 element Y406 at 470 MHz



9 element Y409 at 420 MHz



15 element Y415 at 450 MHz

