



Y800 Series Yagi's

Scaled square boom Yagi

UHF, Mobile Phone or ISM band 800-960MHz



The Y800 series of UHF Yagi's can be manufactured to cover any 60MHz you require within the UHF or mobile phone frequency range 800-960MHz.

Fixed Frequency models A and C are also available to cover either Telstra 3G or Optus & Vodafone 3G mobile phone networks.

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

		Y806	Y809	Y815
Construction		Fully-welded aluminium, or add -SS for 304 grade stainless steel		
Frequency range		UHF 800-960MHz		
Maximum bandwidth		Specify any 60MHz or Transmit and Receive on order		
VSWR		<1.5:1 across specified bandwidth		
Tuning		Factory		
Number of elements		6	9	15
Gain - nominal		9dBd	11.5dBd	14dBd
Polarisation		Mount horizontal or vertical as required		
Maximum power		50 Watts		
Impedance		50 Ohms		
H Plane at 3dB		51°	42°	30°
E Plane at 3dB		46°	34°	28°
Front-to-back ratio		17.8 dB	15 dB	15 dB
Connector & Cable		N-type female fitted to 250mm RG59 cable tail		
Boom length at 850MHz		0.8 metres	0.97 metres	1.85 metres
Longest element		210mm		
Weight	Aluminium	0.5kg	0.7kg	1.0kg
	Stainless steel	1.2kg	1.5kg	2.6kg
Projected area		0.053m ²	0.058m ²	0.080m ²
Wind load at 160kph		0.063kN, 6.42kg	0.069kN, 7.016kg	0.095kN, 9.68kg
Mounting hardware order separate		1 x A48 for aluminium, 1 x S48 for stainless steel, 1 x YS1-48 strut kit recommended for Y815 series		





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The Y802 and Y803 series of fixed position Yagi's can be manufactured to cover any 60MHz you require within the UHF or mobile phone frequency range 700-960MHz.

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

	Y802	Y803	
Construction	Fully-welded aluminium, or add -SS for 304 grade stainless steel		
Frequency range	UHF 800-960MHz		
Maximum bandwidth	Any 60MHz - specify Transmit and Receive when ordering		
VSWR	<1.5:1 across specified bandwidth		
Tuning	Factory		
Number of elements	2	3	
Gain - nominal	3dBd	4.5dBd	
Polarisation	Mount horizontal or vertical as required		
Maximum power	50 Watts		
Impedance	50 Ohms		
H Plane at 3dB	81°	76°	
E Plane at 3dB	64°	57°	
Front-to-back ratio	dB	15 dB	
Connector & Cable	N-type female fitted to 250mm RG59 cable tail		
Boom length at 700MHz	0.46 metres	0.55 metres	
Longest element at 700MHz	218mm	214mm	
Weight	Aluminium	0.30kg	0.32kg
	Stainless steel	0.75kg	0.8kg
Projected area	0.039m ²	0.040m ²	
Wind load at 160kph	0.047kN, 4.759kg	0.047kN, 4.84kg	
Mounting hardware	1 x A48 for alum., 1 x S48 for S/Steel - order separately		





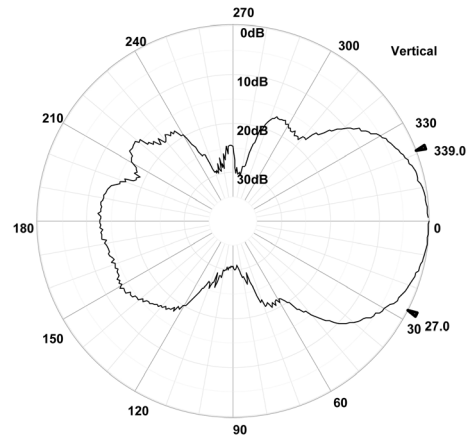
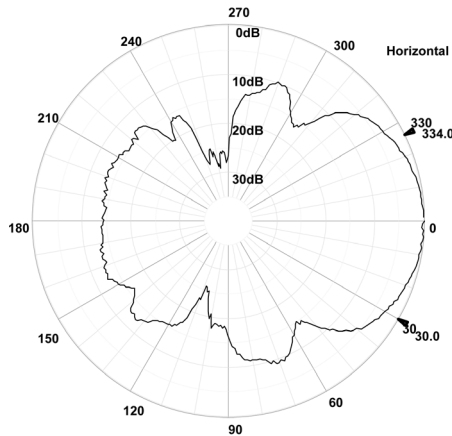
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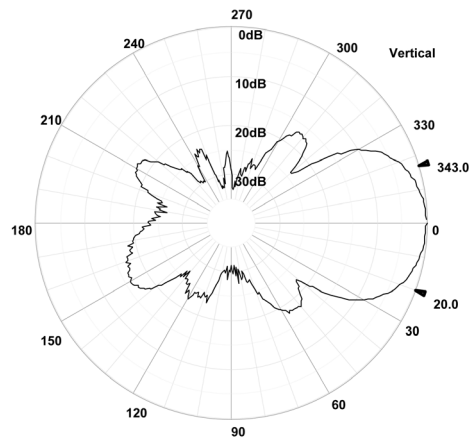
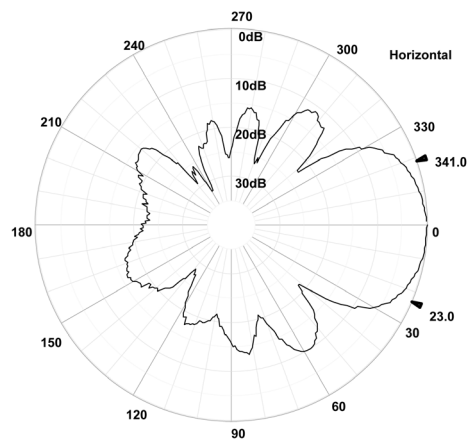
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6 element Y806 at 880MHz



9 element Y809 at 880MHz



15 element Y815 at 960MHz

