



Y800 series custom Yagi antennas

Scaled square boom Yagi antenna

UHF, 4G Mobile Phone or ISM band 800-960 MHz



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

Fixed Frequency models A and C are also available to cover all carriers lower 4G mobile phone networks. Please check your carriers coverage map to see compatibility.

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



SKU:	Y806	Y809	Y815	
Construction	Fully-welded aluminium, or add -SS for 304 grade stainless steel			
Frequency range	800-960 MHz - UHF, Cellular and ISM compatible			
Maximum bandwidth	Specify any 60 MHz or Transmit and Receive on order			
VSWR	<1.5:1 across specified bandwidth			
Tuning	Factory			
Number of elements	6	9	15	
Gain - nominal	9 dBd	11.5 dBd	14 dBd	
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 700-960 MHz.

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

SKU:	Y802	Y803	
Construction	Fully-welded aluminium, or add -SS for 304 grade stainless steel		
Frequency range	800-960 MHz - UHF, Cellular and ISM compatible		
Maximum bandwidth	Any 60 MHz - specify Transmit and Receive when ordering		
VSWR	<1.5:1 across specified bandwidth		
Tuning	Factory		
Number of elements	2	3	
Gain - nominal	3 dBd	4.5 dBd	
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	-	15 dB	
Connector & Cable	N-type female fitted to 250mm RG59 cable tail		
Boom length at 700MHz	0.6 metres	0.7 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		





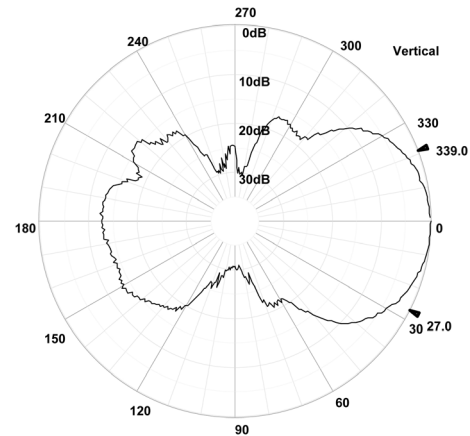
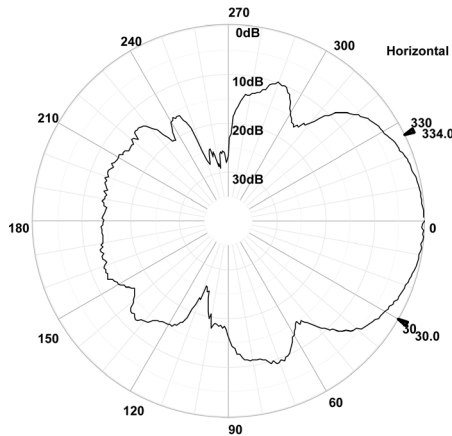
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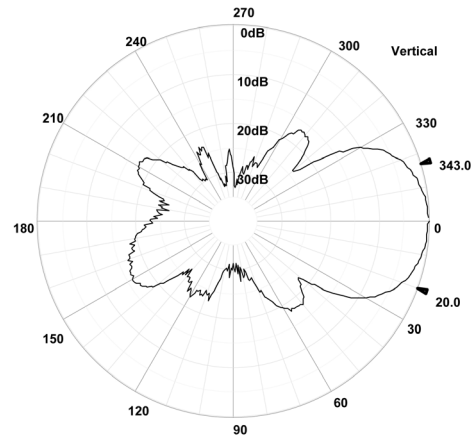
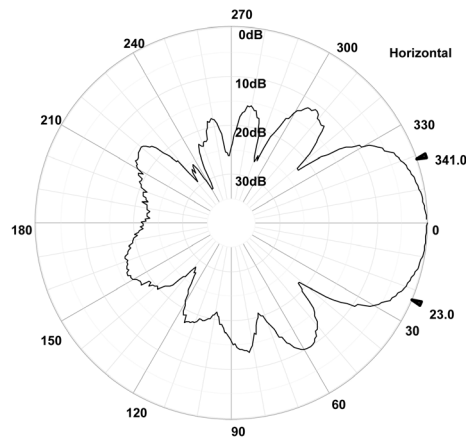
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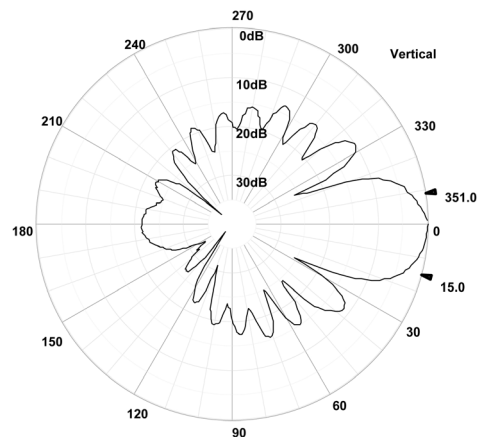
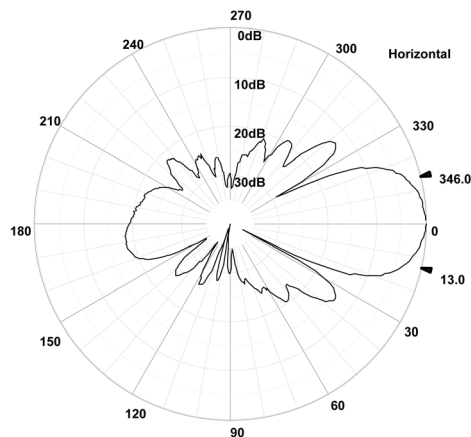
6 element Y806 at 880 MHz



9 element Y809 at 880 MHz



15 element Y815 at 960 MHz










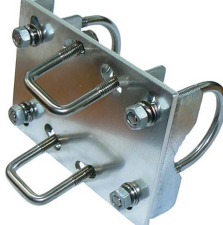
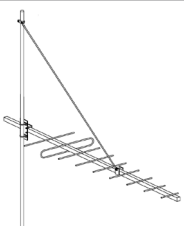
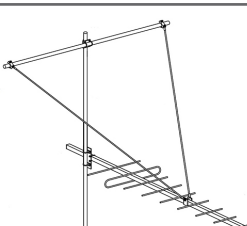
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Suitable mounting hardware

 <p>SKU: A48 Galvanised steel Right-angle for 25mm RHS 30-50mm mount pole</p>	 <p>SKU: S48 304 stainless steel Right-angle for 25mm RHS 30-50mm mount pole</p>
 <p>SKU: A48-65 Galvanised steel Right-angle for 25mm RHS 50-65mm mount pole</p>	 <p>SKU: S48-76 304 stainless steel Right-angle for 25mm RHS 60-75mm mount pole</p>
 <p>SKU: S48-90 304 stainless steel Right-angle for 25mm RHS 70-90mm mount pole</p>	 <p>SKU: A48-tilt Galvanised steel right-angle for 25mm RHS 30-50mm mount pole with 14 deg tilt allowance</p>
 <p>SKU: YS1-48 For 9-15 element Yagi's Single tension strut support Includes Yagi and mount pole mounting hardware. Mount pole not supplied</p>	 <p>SKU: YS2-48 For 9-15 element Yagi's Dual tension strut support Includes Yagi clamp, support boom, pole mounting hardware. Mount pole not supplied</p>

Suitable feeder coaxial cable and connectors

 <p>SKU: 7800 RG213 MIL-SPEC, solid PE dielectric, stranded core coaxial cable Available in 100m, 300m roll or alternatively request a custom cable assembly</p>	 <p>SKU: NM-7937 N-type male crimp connector for MIL-SPEC RG213 coaxial cable Tri-metal plated</p>
 <p>SKU: 7890 RU400 Solid copper conductor, low loss coaxial cable CNT-400 / LMR-400™ equivalent (* times microwave) SKU: 7890-2 - ultra flexible Available in 100m, 300m, 500m roll or alternatively request a custom cable assembly</p>	 <p>SKU: NM-8226 N-type male crimp connector for RU400 low loss, solid conductor Tri-metal plated</p>