



Y800 Series Yagi's

UHF, mobile phone or ISM band square boom Yagi's
Fixed frequency A, B & C 825-960MHz

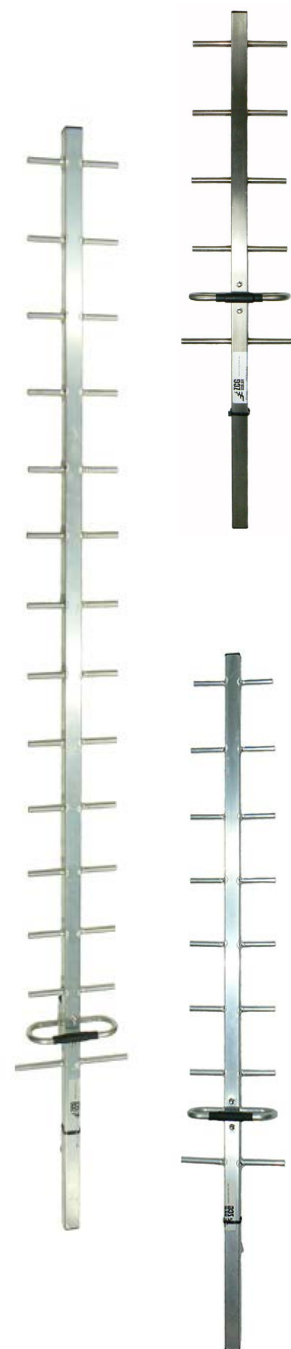

In-stock
Ready to
Ship
* Signifies build to
order item

The Y800 series of directional fixed position Yagi's are also manufactured in "fixed frequency" models A, B and C, each tuned for optimum performance across a separate segment of the UHF Mobile Phone range 820-960MHz.



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

		Y806	Y809	Y815
Fixed frequency models (select letter/frequency)		A: 825-890MHz * - Telstra lower 4G/3G within Australia		
		B: 870-930MHz IoT/M2M/LoRa		Y815B: 852-930MHz IoT/M2M/LoRa
		C: 890-960MHz* - Optus or Vodafone lower 4G/3G within Australia		
Construction		Fully-welded aluminium, or add -SS for 304 grade stainless steel		
Tuning		Factory		
VSWR		<1.5:1 across fixed bandwidth		
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	1kg
	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
Strut kit - order separate		Not required		YS1-48 or YS2-48
Mounting hardware order separate		1 x A48 or A48-65 for aluminium models or 1 x S48 or S48-65 for stainless steel models 1 x YS1-48 strut kit recommended for Y815 series		





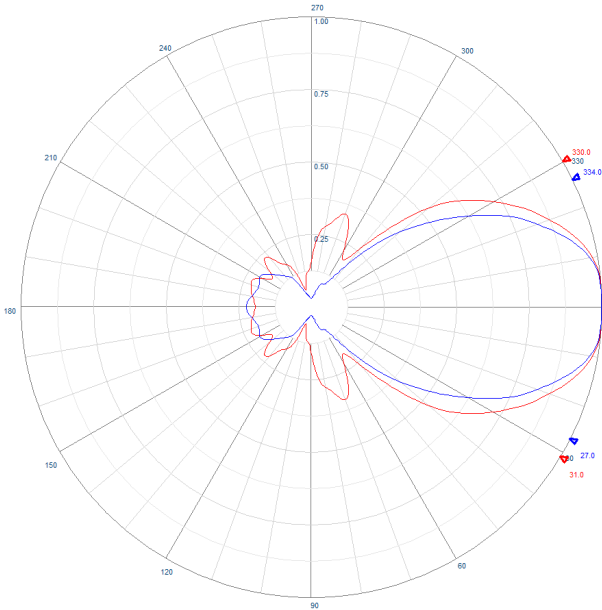
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H Plane

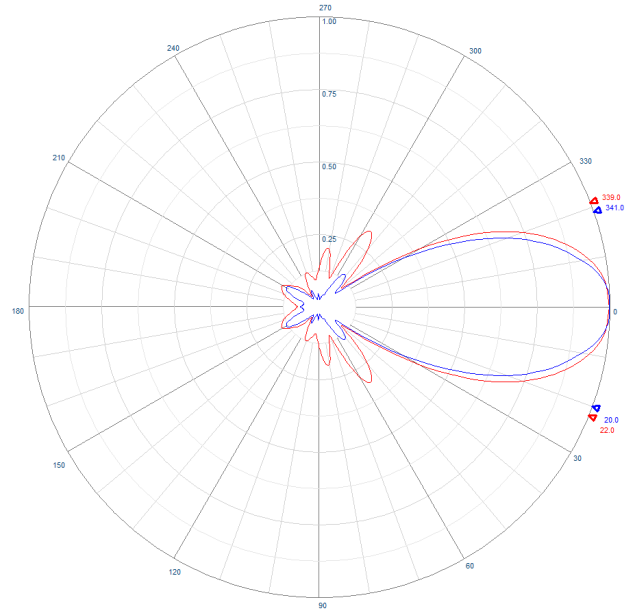
E Plane



Example Radiation Pattern -Y806

H Plane

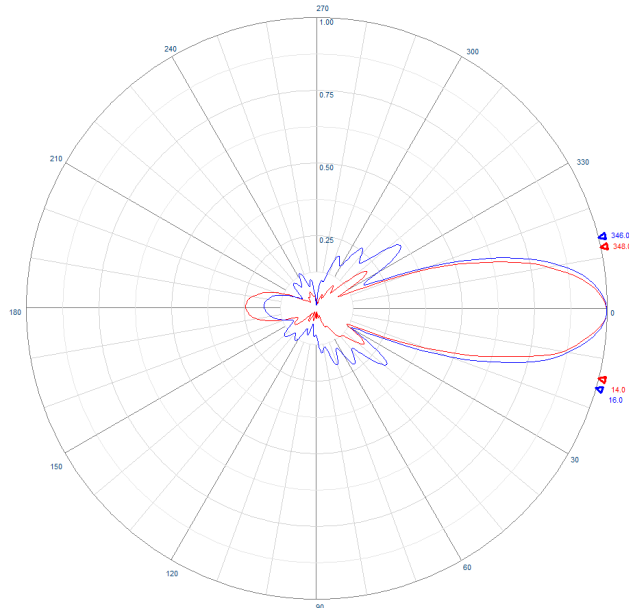
E Plane



Example Radiation Pattern -Y809

H Plane

E Plane



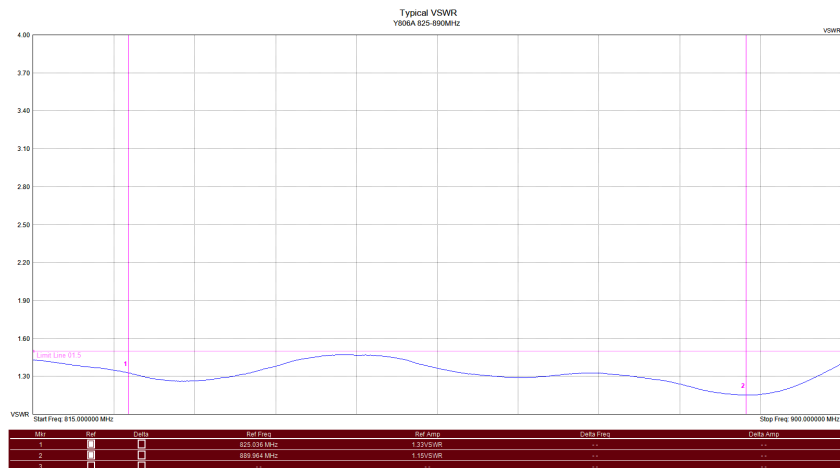
Example Radiation Pattern -Y815



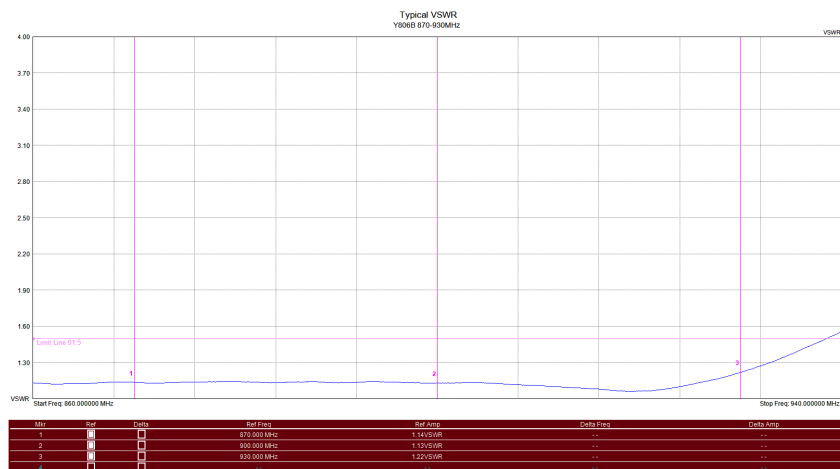
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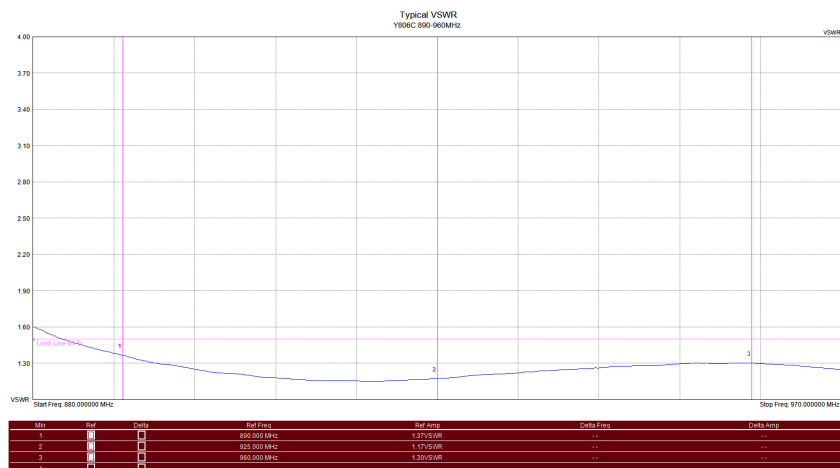

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Typical VSWR - Y806A



Typical VSWR - Y806B



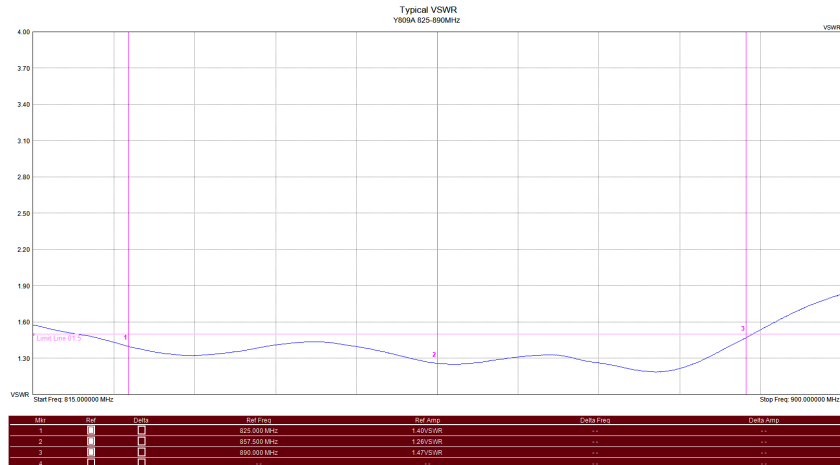
Typical VSWR - Y806C



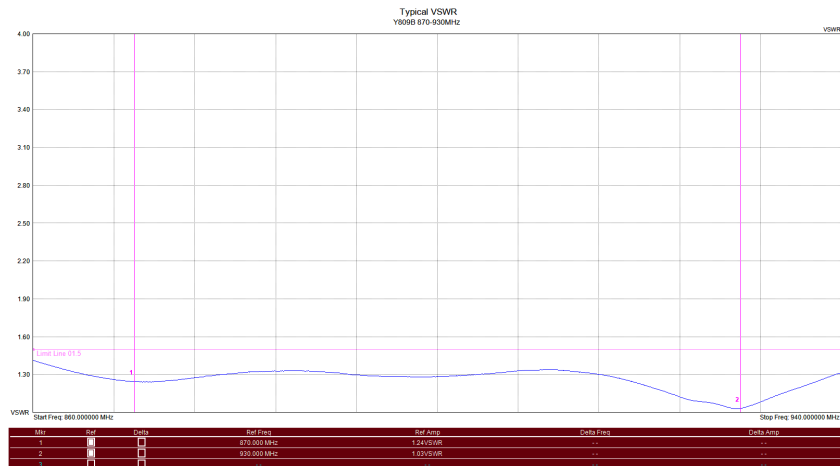
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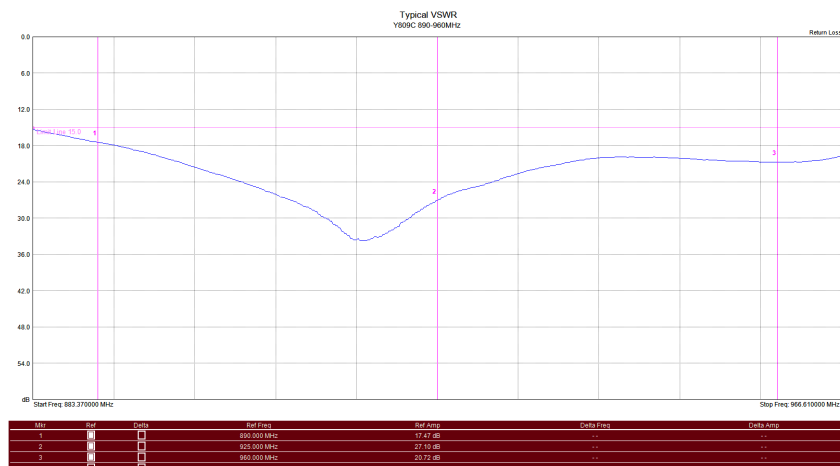

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Typical VSWR - Y809A



Typical VSWR - Y809B



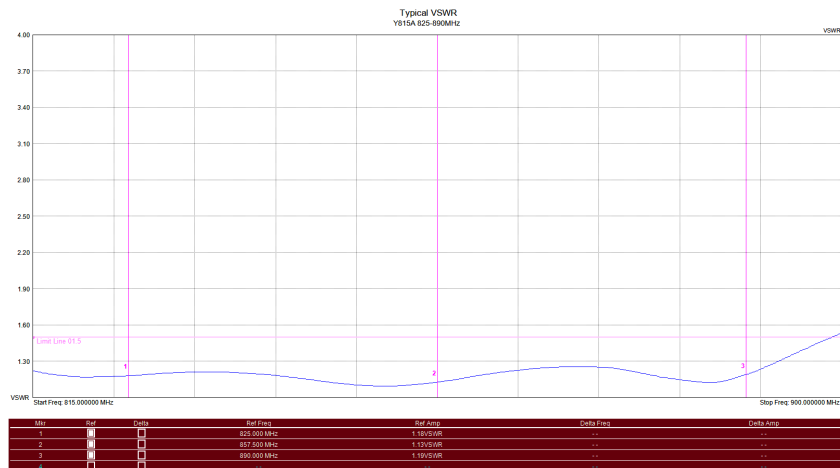
Typical VSWR - Y809C



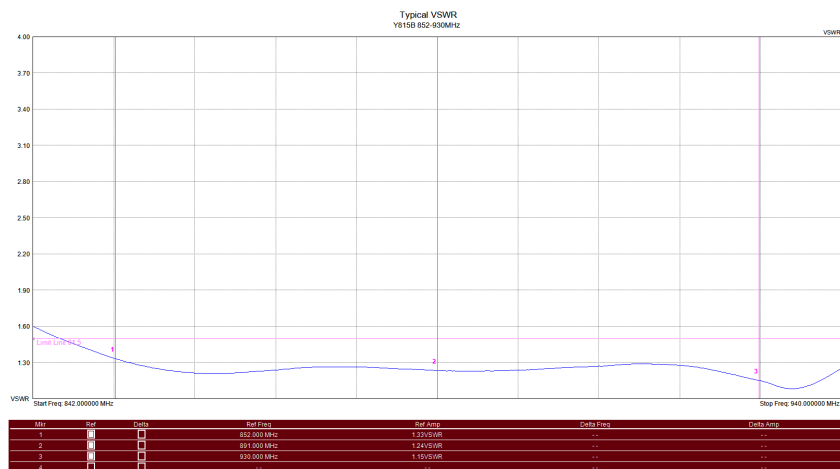
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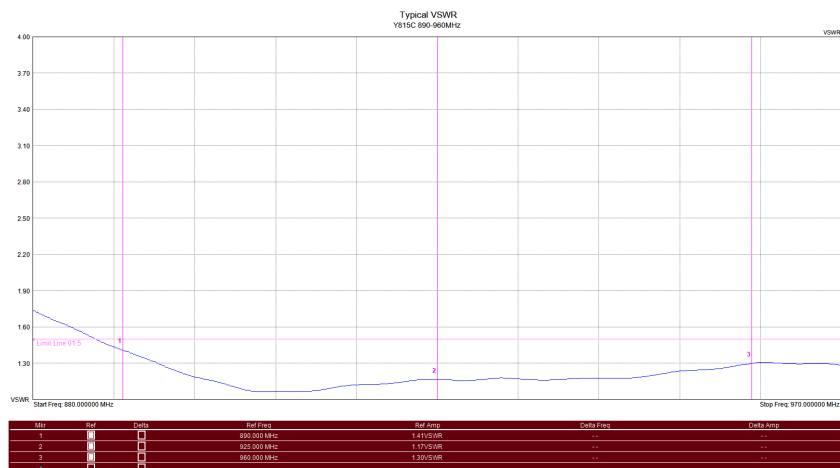
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Typical VSWR - Y815A



Typical VSWR - Y815B



Typical VSWR - Y815C



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A48
Aluminium Yagi right-angle
clamp
Yagi: 25mm RHS capability
Mount pole: 30-50mm
capability



A48-65
Aluminium Yagi right-angle
large clamp
Yagi: 25mm RHS capability
Mount pole: 50-65mm
capability



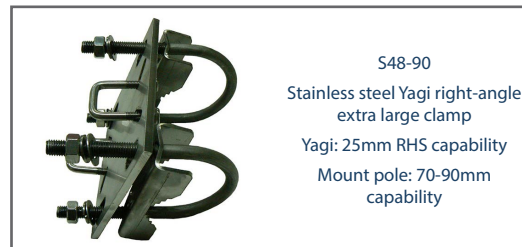
A48-tilt
Aluminium Yagi right-angle
14° mechanical tilt clamp
Yagi: 25mm RHS capability
Mount pole: 30-50mm
capability



S48
Stainless steel Yagi right-angle
clamp
Yagi: 25mm RHS capability
Mount pole: 30-50mm
capability



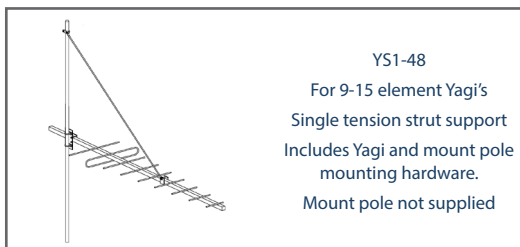
S48-76
Stainless steel Yagi right-angle
large clamp
Yagi: 25mm RHS capability
Mount pole: 60-75mm
capability



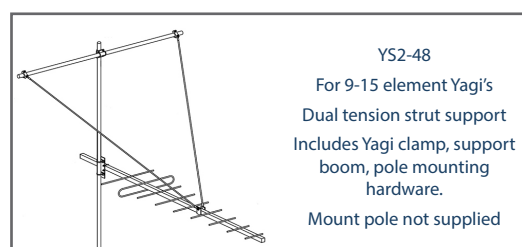
S48-90
Stainless steel Yagi right-angle
extra large clamp
Yagi: 25mm RHS capability
Mount pole: 70-90mm
capability



S48-120
Stainless steel Yagi right-angle
super extra large clamp
Yagi: 25mm RHS capability
Mount pole: 100-120mm
capability



YS1-48
For 9-15 element Yagi's
Single tension strut support
Includes Yagi and mount pole
mounting hardware.
Mount pole not supplied



YS2-48
For 9-15 element Yagi's
Dual tension strut support
Includes Yagi clamp, support
boom, pole mounting
hardware.
Mount pole not supplied

Suitable feeder coaxial cable



RU400 Solid copper conductor,
low loss coaxial cable
CNT-400 / LMR-400™ equivalent
(* times microwave)
P/N 7890

Available in 100m ,300m or
500m rolls



1/2" corrugated shielding,
foam dielectric coaxial cable
LDF4-50 / LMR-600™ equivalent
(* times microwave)
P/N ZCG1250

Available in per metre, or 500m
rolls