

Y700 Series

All networks 4G LTE square boom Yagi 4G LTE 698-800MHz

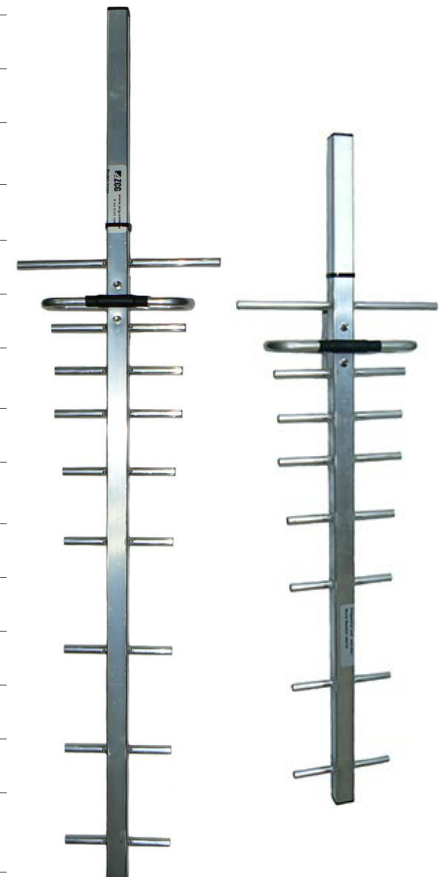
The Y700 series of 6 or 9 element square boom Yagi's are designed and manufactured for optimum performance across the 4G LTE mobile phone frequency range 698-800MHz. Suitable for both mobile phone improvement and data transmit and receive.



Key Features

- 4G LTE coverage from 698-800MHz
- Fully-welded construction for reliability
- Excellent front-to-back ratio
- Designed to minimize the generation of P.I.M.
- DC Grounding

	Y706	Y709	
Construction	Fully-welded corrosion resistant aluminium boom, elements and dipole with external RG59 cable		
Frequency range	4G LTE - 698-800MHz		
Tuning	Factory		
VSWR	<1.8:1		
Number of elements	8 + dipole	9 + dipole	
Gain - nominal	9dBd	11dBd	
Polarisation	Mount horizontal or vertical or +/- 45° as required		
Maximum power	50 Watts		
Impedance - nominal	50 Ohms		
H Plane at 3dB	51°	42°	
E Plane at 3dB	46°	34°	
Front-to-back ratio	20dB		
Connector and cable	N-type female fitted to 250mm RG59 cable tail		
Boom length	0.9 metres	1.2 metres	
Longest element	350mm		
Weight	Aluminium	0.6kg	0.9kg
	Stainless steel	1.1kg	1.6kg
Projected area	0.029m ²	0.032m ²	
Wind load at 160kph	0.034kn, 3.488kg	0.038kn, 3.862kg	
Mounting hardware Alum. order separate	A48 - 30~50mm capability, A48-65 - 50~65mm capability or A48-BTB - 50~60mm back-to-back capability		
Mounting hardware S/S order separate	S48 - 30~50mm capability, S48-76 - 50~76mm capability or S48-90 - 70~90mm capability		



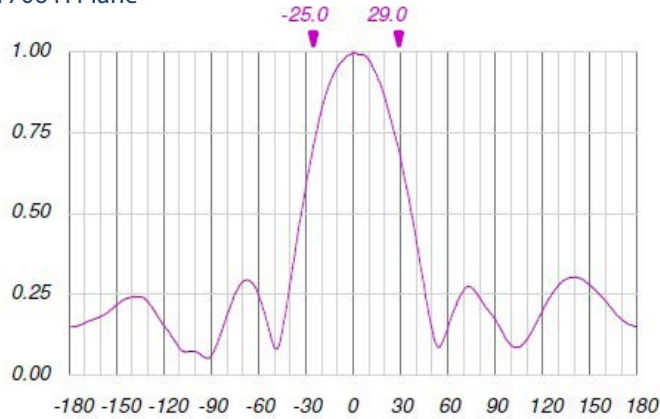


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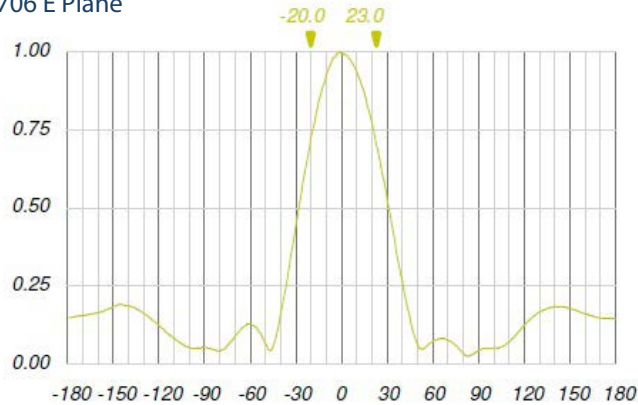
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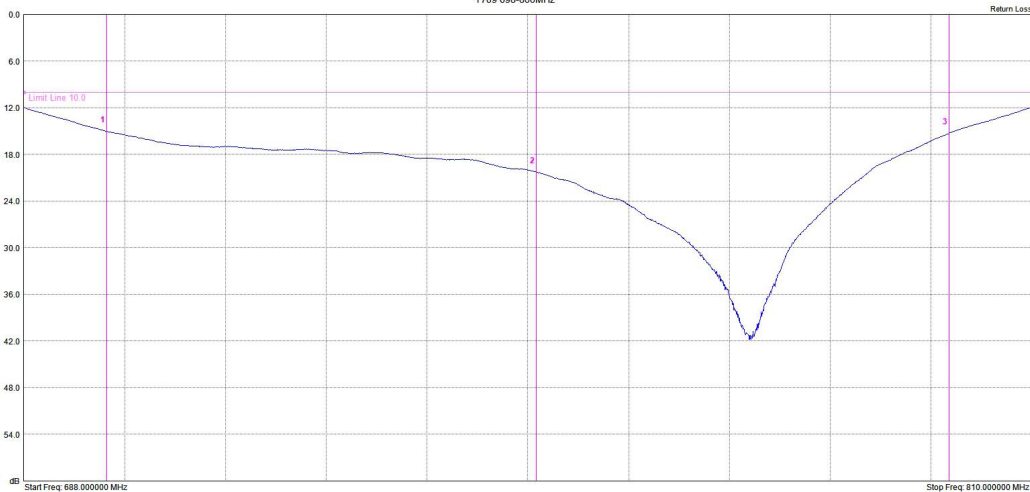
Y706 H Plane



Y706 E Plane



Typical Return Loss
Y709 698-800MHz



Mhz	Ref	Delta	Ref Freq	Ref Amp	Delta Freq	Delta Amp
1	<input type="checkbox"/>	<input type="checkbox"/>	698.024 MHz	15.04 dB	--	--
2	<input type="checkbox"/>	<input type="checkbox"/>	750.025 MHz	20.27 dB	--	--
3	<input type="checkbox"/>	<input type="checkbox"/>	799.976 MHz	15.20 dB	--	--
4	<input type="checkbox"/>	<input type="checkbox"/>	--	--	--	--

Typical Return Loss



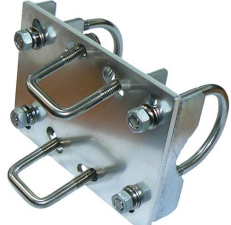







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Suitable mounting hardware

	<p>A48 galvanised steel Right-angle for 25mm RHS 30-50mm mount pole</p>		<p>A48-65 galvanised steel Right-angle for 25mm RHS 50-65mm mount pole</p>
	<p>A48-tilt galvanised steel Right-angle for 25mm RHS 30-50mm mount pole with 14 deg tilt allowance</p>		<p>CFB series - Galvanised steel 'J' hockey stick brackets, 1.1 - 2.1 metres. Requires A-4266 series + 2 x EB1-SS or 1 x UB2-SS</p>
	<p>SFB Series - galvanised steel pole extension 0.9-2.0 metres Roof or overhang mounting Requires A-4266 + 2 x EB1-SS or 1 x UB2-SS</p>		<p>A-2654-2 - Aluminium pole extension 1.1 metres includes pole mounting brackets. Requires A-4266 + 2 x EB1-SS or 1 x UB2-SS</p>

Suitable feeder coaxial cable and connectors

	<p>MIL-SPEC RG213 stranded copper conductor coaxial cable P/N 7800 Available in 100m, 300m roll or alternatively request a custom cable assembly</p>		<p>N-type male crimp connector for MIL-SPEC RG213 P/N 7937 Tri-metal plated</p>
	<p>RU400 Solid copper conductor, low loss coaxial cable CNT-400 / LMR-400™ equivalent (* times microwave) P/N 7890 Available in 100m, 300m, 500m roll or alternatively request a custom cable assembly</p>		<p>N-type male crimp connector for RU400 low loss, solid conductor P/N 8226 Tri-metal plated</p>
	<p>1/2" corrugated shielding, foam dielectric coaxial cable P/N ZCG1250 Available in per metre, 500m roll or alternatively request a custom cable assembly</p>		<p>N-type male clamp connector for 1/2" flexible, corrugated shielded, coaxial cable P/N NM1250 Tri-metal plated</p>