



Y700 Series

All carriers 4G LTE square boom Yagi Antenna 4G LTE 698-800 MHz



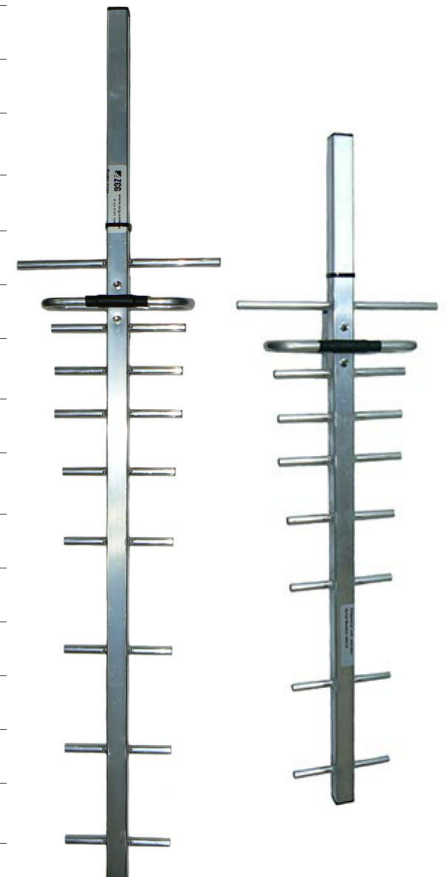
The Y700 series of 6 or 9 element square boom Yagi's are designed and manufactured for optimum performance across the 4G LTE mobile phone frequency range 698-800 MHz. Suitable for both mobile phone improvement and data transmit and receive.



Key Features

- Fully-welded construction for reliability
- Excellent front-to-back ratio
- Designed to minimize the generation of P.I.M.
- DC Grounding

SKU	Y706	Y709
Construction	Welded corrosion resistant aluminium boom and elements, detachable folded dipole, external RG59 cable and N-female connector	
Frequency range	698-800 MHz - All networks 4G LTE	
Tuning	Factory	
VSWR	<1.8:1	
Number of elements	8 + dipole	9 + dipole
Gain - nominal	9 dBd	11 dBd
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	0.6kg	0.9kg
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	



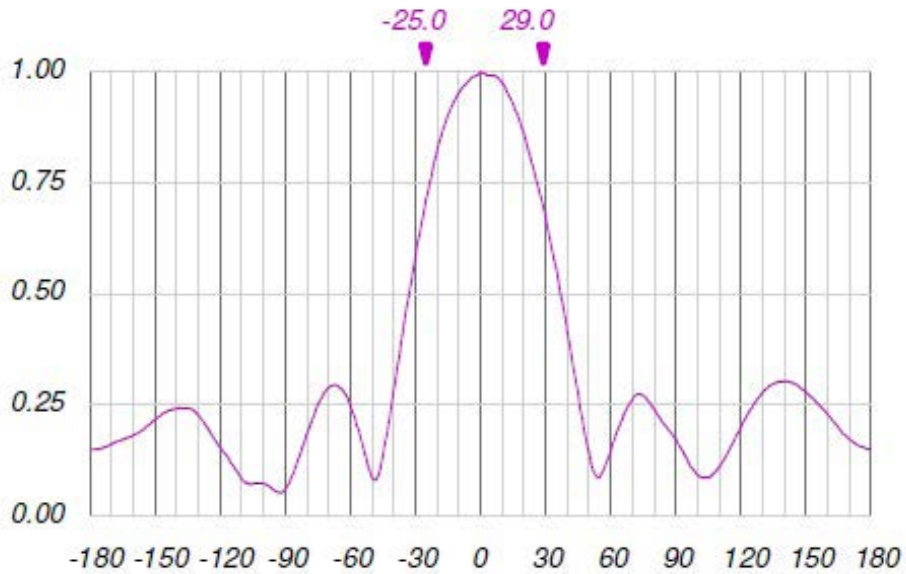


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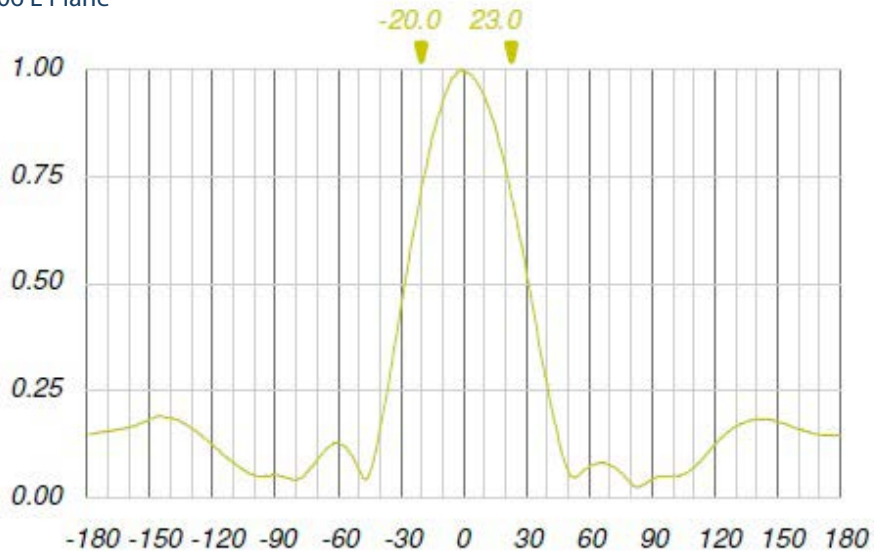
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Y706 H Plane



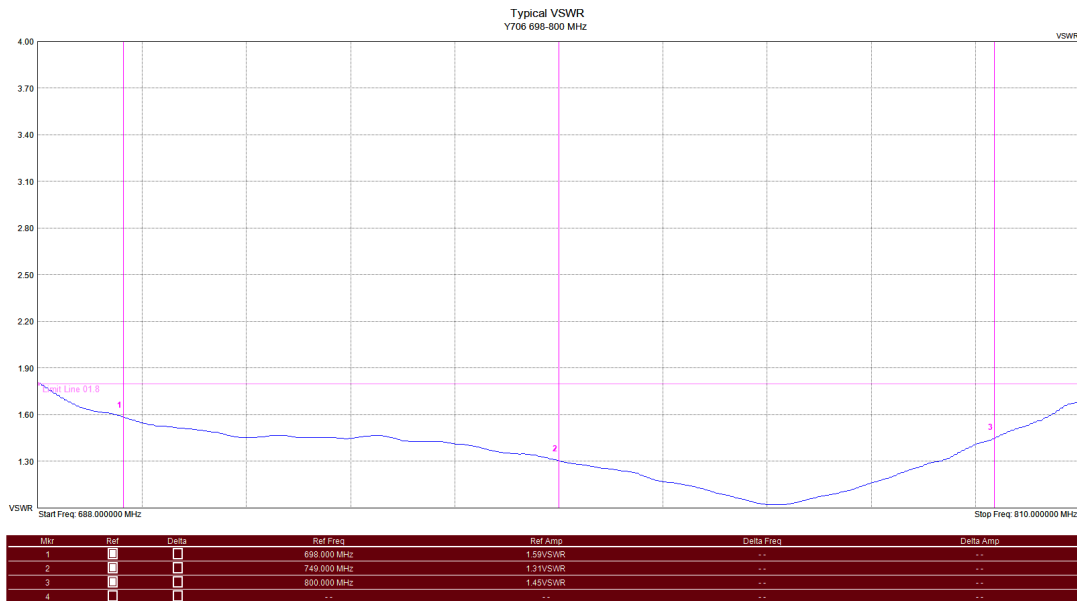
Y706 E Plane



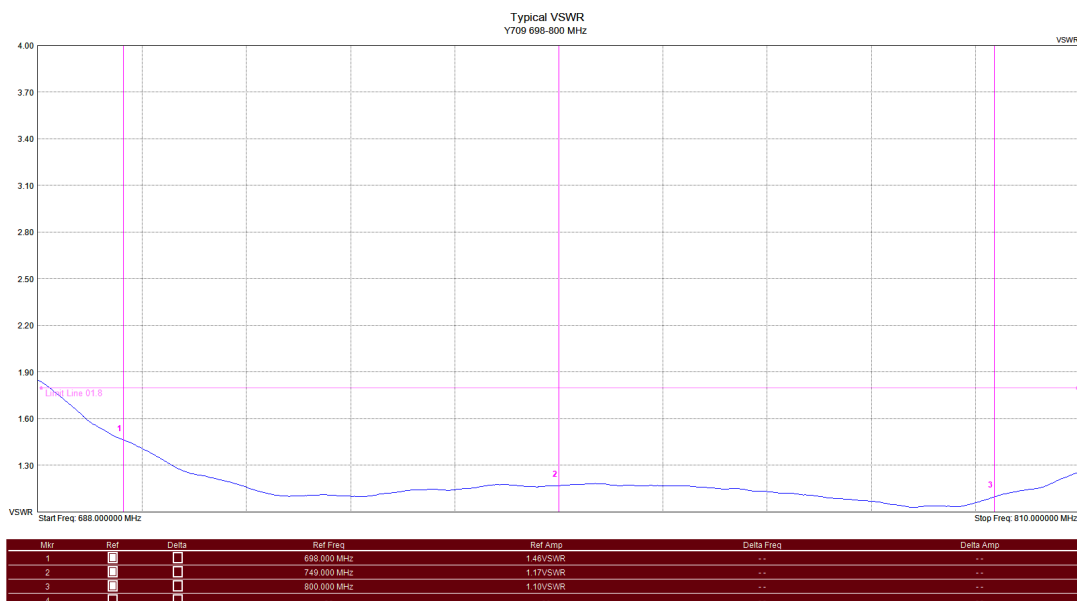


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Typical VSWR - Y706



Typical VSWR - Y709



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Suitable mounting hardware

	<p>SKU: A48 Galvanised 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: A48-tilt Galvanised steel Right-angle for 25mm RHS 30-50mm mount pole with 14 deg tilt allowance</p>		<p>SKU: CFB**** series Galvanised steel 'J' hockey stick brackets, 1.1 - 2.7 metres. Requires A-4266 series + 2 x EB1-SS or 1 x UB2-SS</p>
	<p>SKU: SFB**** Series Galvanised steel pole extension 0.9-2.7 metres Roof or overhang mounting Requires A-4266 + 2 x EB1-SS or 1 x UB2-SS</p>		<p>SKU: 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>SKU: 7800 MIL-SPEC RG213 stranded conductor, solid PE dielectric coaxial cable Available in 100m or 300m rolls or alternatively request a custom cable assembly</p>		<p>SKU: NM-7937 N-type male crimp connector for MIL-SPEC RG213 Tri-metal plated</p>
	<p>SKU: 7890 RU400 Solid copper conductor, low loss coaxial cable CNT-400 / LMR-400™ equivalent (* times microwave) SKU: 7890-3 - RU400-UF 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>
	<p>SKU: 7890-2 RU600 Solid copper conductor, low loss coaxial cable CNT-600 / LMR-600™ equivalent (* times microwave) Available in 500m roll or alternatively request a custom cable assembly</p>		<p>SKU: NM-8226-2 N-type male crimp connector for RU600 low loss, solid conductor Tri-metal plated</p>