



## Y706A-R series

### Directional round boom Yagi antenna

#### UHF / 4G LTE Tx 700-760 MHz



The Y706A-R round boom directional Yagi is designed and manufactured for optimum performance across the 4G LTE 700-760MHz mobile phone range, suitable for mobile phone and wireless data improvement. The Y706A-RL is suitable for close to device connections where loss in your system will be less. The Y706A-R is suitable for long cable length installations utilising low loss cable runs.

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



SKU	Y706A-R	Y706A-RL
Construction	Welded round aluminium boom, elements and folded dipole, external RG59 cable and N-female termination	
Frequency range	700-760 MHz - All networks 4G LTE	
Tuning	Factory	
VSWR	<1.5:1	
Number of elements	6	
Gain - nominal	9 dBD	
Polarisation	Mount horizontal, vertical or +/- 45° as required	
Maximum power	50 Watts	
Impedance	50 Ohms	
H Plane at 3dB	56°	
E Plane at 3dB	48°	
Front-to-back ratio	15dB	
Connector and cable	N-type female fitted to 400mm RG59 cable tail	N-type female fitted to 5.0 metre RG58 cable tail
Boom length	865mm x 25mm diameter	
Longest element	190mm	
Weight	550grams	1.0kg
Projected area	0.022m <sup>2</sup>	
Wind load at 160kph	0.026kN ; 2.607kg	
Mounting hardware order separate	Right-angle: 1 x RB8, 1 x RB8-L, 1 x A48-R or UB2-SS Parallel: 1 x EB1-SS or 1 x UB3-SS	



Y706A-RL model with standard 400mm cable



Y706A-R N-type female as standard or specify requirements



Y706A-RL model with 5.0m cable



Y706A-RL 5.0m cable from dipole block with N-type female fitted as standard or specify requirements



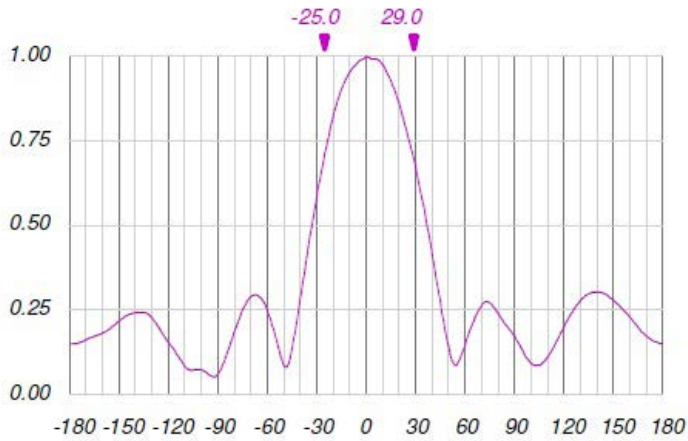
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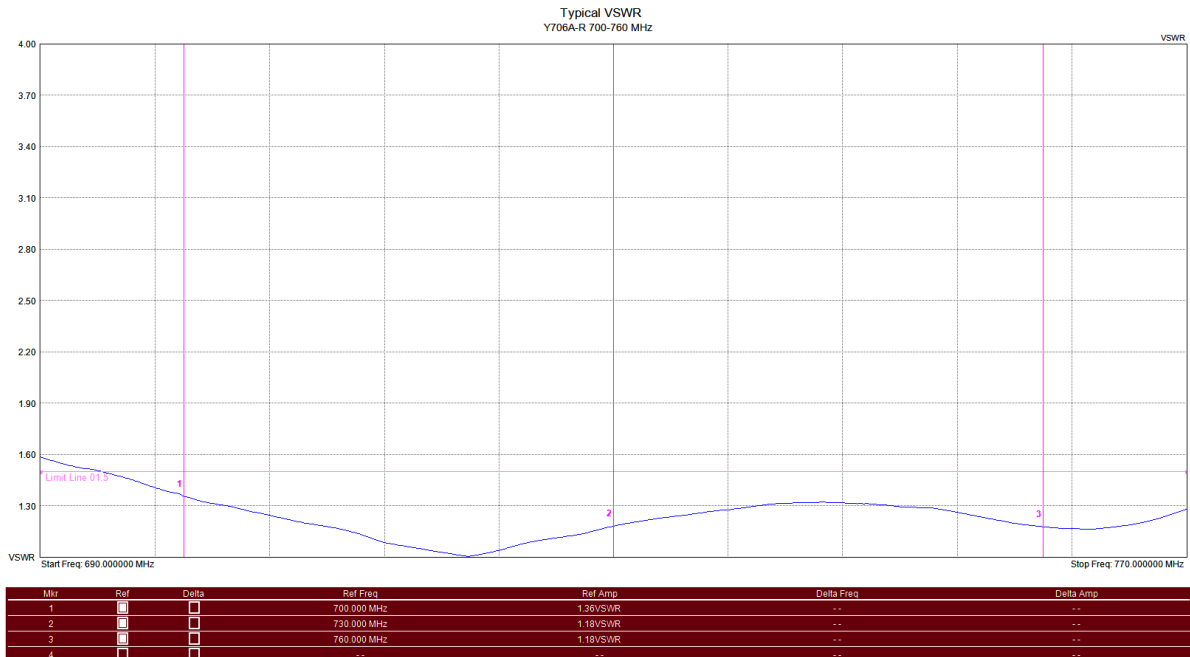
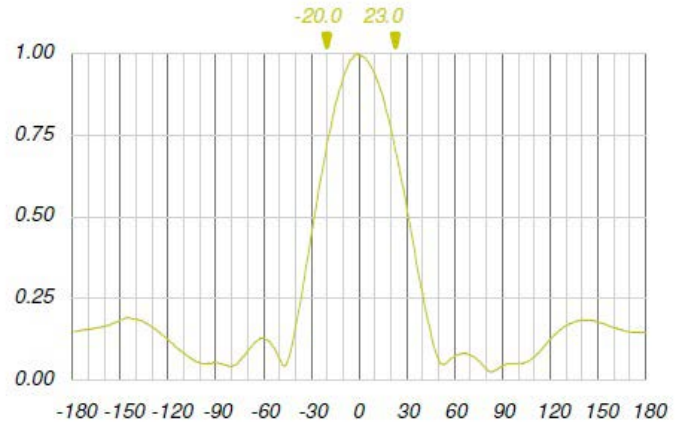
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H Plane



E Plane



Typical VSWR



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#### Suitable mounting hardware




**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



**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



**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



**SKU: A48-R**  
Galvanised steel Right-angle for 25mm round 30-50mm mount pole

#### Suitable feeder coaxial cable and connectors



**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



**SKU: NM-7937**  
N-type male crimp connector for MIL-SPEC RG213  
Tri-metal plated



**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



**SKU: NM-8226**  
N-type male crimp connector for RU400 low loss, solid conductor  
Tri-metal plated



**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



**SKU: NM-8226-2**  
N-type male crimp connector for RU600 low loss, solid conductor  
Tri-metal plated



**SKU: ZCG1250**  
1/2" corrugated shielding, foam dielectric coaxial cable

**SKU: ZCG1250-A - Air dielectric**  
Available in per metre, or 500m rolls or alternatively request a custom cable assembly



**SKU: NM1250**  
N-type male clamp connector for 1/2" flexible, corrugated shielded, coaxial cable  
Tri-metal plated