



Y1809

High gain radome enclosed Yagi antenna

All carriers upper 4G/4G LTE 1710-1880 MHz



The Y1809 mast mount enclosed Yagi antenna is specifically designed and manufactured for directional transmit and receive across the 4G & 4G LTE upper mobile phone frequency range 1710-1880 MHz.

The Y1809 Yagi only performs on a single plane, for full 4G LTE compatibility a cross or 'X' signal pattern is required.

Coaxial feeder cable, connectors and other installation accessories are all available separately.



Construction	White fibreglass radome, aluminium mount plate and external cable
Frequency range	1710-1880 MHz 4G upper
Bandwidth	Full frequency range stated - 170 MHz
VSWR	<1.5:1
Tuning	Factory
Gain	11.3 dBi
Maximum power	25 Watts
Impedance	50 Ohms
Polarisation	Mount horizontal or vertical as required
H Plane	36°
E Plane	43°
Front-to-back ratio	20 dB
DC grounding	Yes
Connector & Cable	N-type female fitted to 200mm UV rated RG142
Dimensions	Length: 300mm x Diameter: 80mm
Weight	1.5kg
Projected area	0.072m ²
Wind load at 160kph	0.086kN, 8.755kg
Mounting hardware	Aluminium mount plate, 2 x galvanised steel V-blocks, 2 x 50mm diameter galvanised steel U-bolts - supplied
Installation tools required	13mm spanner for mounting U-bolts

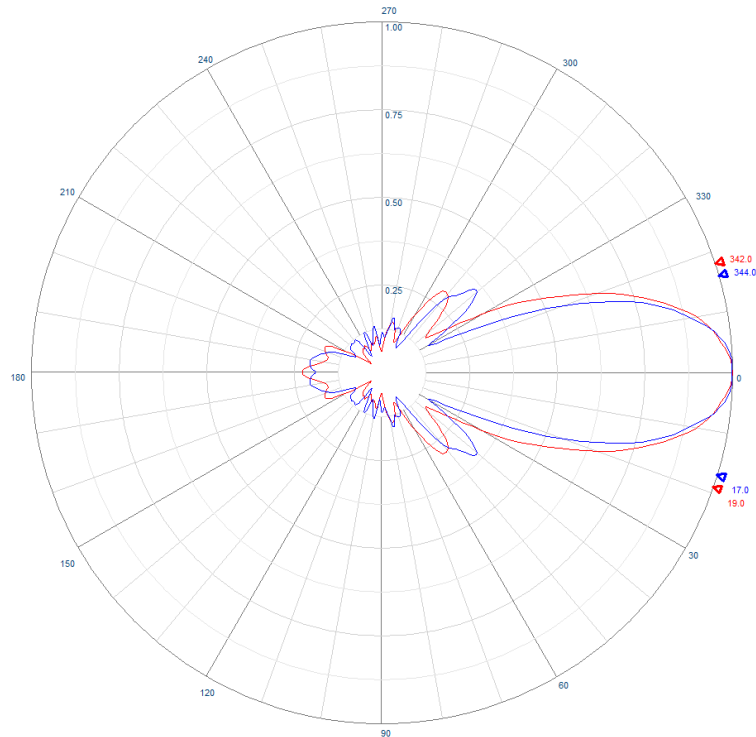


N-type female fitted as standard or specify requirements

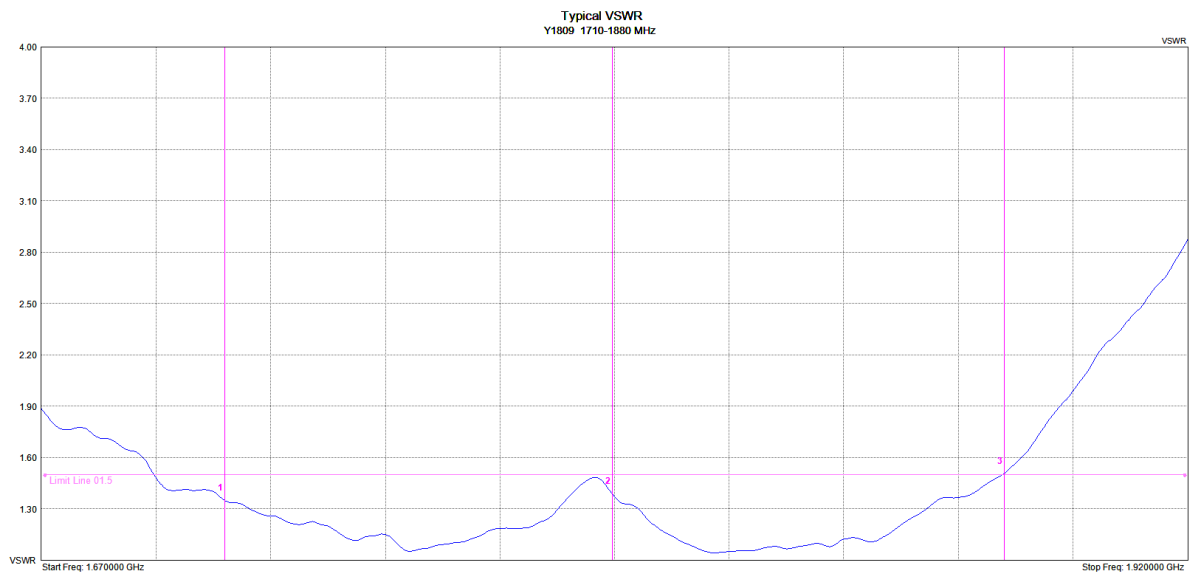


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Example radiation pattern



Misc	Ref	Delta	Ref Freq	Ref Amp	Delta Freq	Delta Amp
1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1.710 GHz	1.35VSWR	--	--
2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1.795 GHz	1.39VSWR	--	--
3	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1.880 GHz	1.50VSWR	--	--
4	<input type="checkbox"/>	<input type="checkbox"/>	--	--	--	--

Typical VSWR



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Suitable mounting hardware



SKU: CFB** series**
Galvanised steel 'J' hockey stick brackets, 1.1 - 2.7 metres.

Requires mounting screws/
bolts and mounting hardware
for antenna



SKU: A-2654-2
Aluminium pole extension 1.1 metres includes pole mounting brackets.

Requires mounting screws/
bolts and mounting hardware
for antenna



SKU: SFB** Series**
Galvanised steel pole extension 0.9-2.0 metres
Roof or overhang mounting

Requires mounting screws/
bolts and mounting hardware
for antenna



NBS Masts & Accessories
- Aluminium telescopic masts
- Tilt-over masts
- Lattice section masts
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Suitable feeder coaxial cable and connectors



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



SKU: ZCG7850
7/8" corrugated shielding, foam dielectric coaxial cable
SKU: ZCG7850-A - Air dielectric
Available in per metre, or 500m rolls or alternatively request a custom cable assembly



SKU: NM7850
N-type male clamp connector for 7/8" flexible, corrugated shielded, coaxial cable
Tri-metal plated