



## Y2009

### Radome enclosed high gain directional Yagi antenna

#### Upper 4G/ISM or UHF 1900-2170 MHz



The Y2009 radome enclosed Yagi can be used for directional transmit and receive applications across the upper 4G frequency range 1900-2170 MHz.

The Y2009 Yagi only performs on a single plane, for M.I.M.O. 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 mounting plate, external coaxial cable and termination
Frequency range	1900-2170 MHz - Upper 4G/ISM applications
Bandwidth	Full frequency range stated - 270 MHz
VSWR	<1.8:1
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 MIL-SPEC RG58 low loss as standard, or specify termination requirements.
Length	300mm
Width	80mm
Weight	1.5kg
Projected area	0.072m <sup>2</sup>
Wind load at 160kph	0.086kN, 8.755kg
Mounting hardware supplied	Aluminium mount plate, 2 x galvanised steel V-blocks, 2 x 50mm diameter galvanised steel U-bolts
Installation tools required	13mm spanner for mounting U-bolts

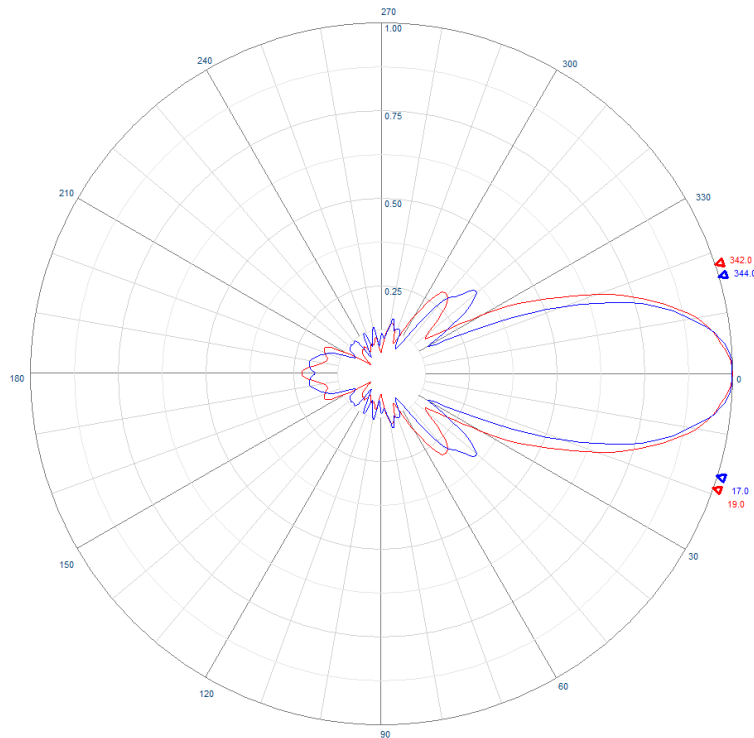


N-type female fitted as standard or specify requirements



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Example radiation pattern



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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



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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