

Y1809-MIMO-2

M.I.M.O high gain radome enclosed Yagi

Upper 4G LTE/4G mobile phone 1710-1880 MHz

The Y1809-MIMO-2 mast mount enclosed Yagi is specifically designed and manufactured for directional transmit and receive utilising Multiple In, Multiple Out (M.I.M.O.) within the 4G LTE/4G upper frequency range 1710-1880 MHz.



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

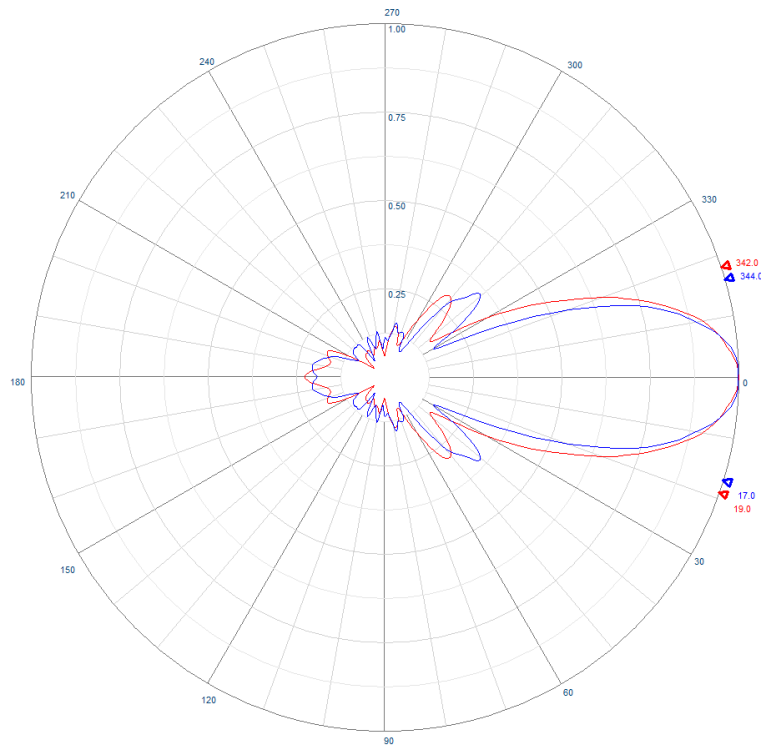
Construction	2 x white fibreglass radomes, aluminium mount plate, dual external cables and terminations	
Frequency range	M.I.M.O. 4G LTE/4G 1710-1880MHz	
Bandwidth	Full frequency range	
VSWR	Average: <1.5:1 ; Maximum: <2:1	
Tuning	Factory	
Number of elements	9	
Gain - nominal	11.3 dBi - per plane	
Maximum power	25 Watts - per input	
Impedance	50 Ohms	
Polarisation	One Yagi slant +45° and other slant -45°	
H Plane	36° - per plane	
E Plane	43° - per plane	
Front-to-back ratio	-20dB	
DC grounding	Yes	
Connector	2 x N- type female jacks fitted as standard, or specify requirements	
Cable	2 x 200mm RG142B/U, rear exit from mount plate	
Dimensions	Length: 345mm, Width: 100mm, Height: 255mm	
Weight	2.9kg	
Projected area	0.036m ²	
Wind load at 160kph	Side: 4.415kg, 0.043kN	Front: 4.035kg, 0.040kN
Mounting hardware supplied	Aluminium mount plate, 2 x galvanised steel V-blocks , 2 x 50mm diameter galvanised steel U-bolts	
Installation tools required	13mm spanners for U-bolt securing	



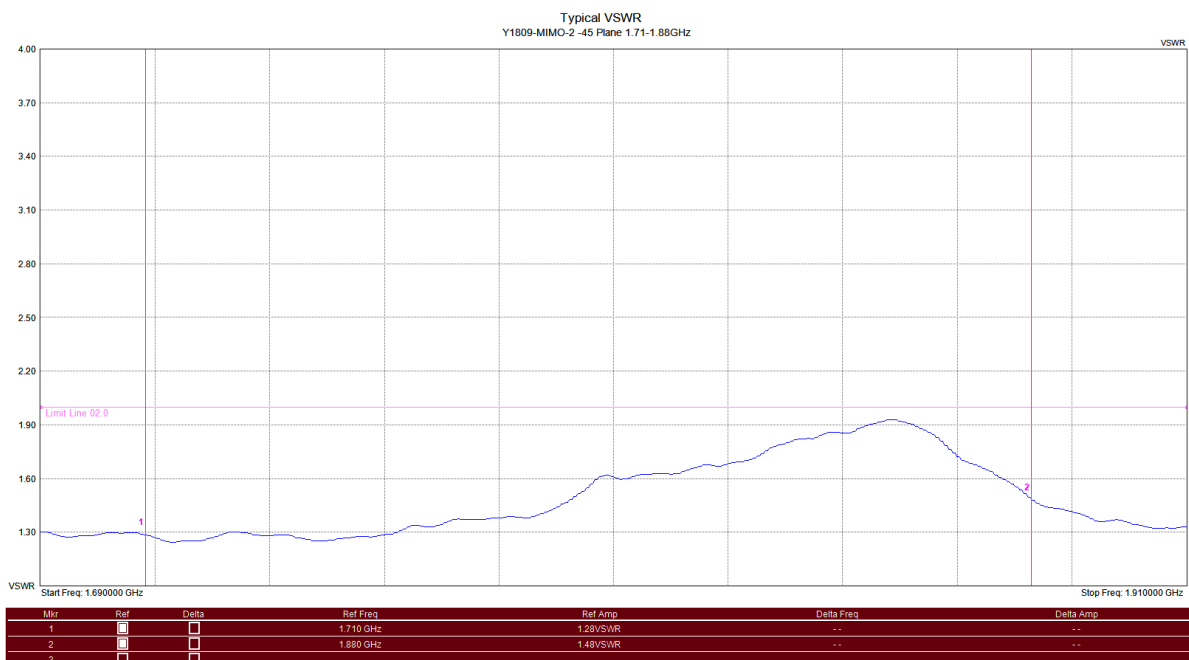


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Example radiation pattern - per plane




Typical VSWR

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Suitable mounting hardware



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



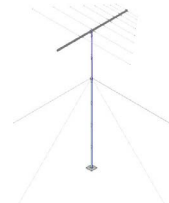
A-2654-2 - Aluminium pole extension 1.1 metres includes pole mounting brackets.

Requires A-4266 + 2 x EB1-SS or 1 x UB2-SS



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



A-2307 - 6-piece aluminium & fibreglass mast - 6.68m

Includes: insulated top, guy wires, spigots and base bracket.

Suitable feeder coaxial cable and connectors



RU400 Solid copper conductor, low loss coaxial cable
CNT-400 / LMR-400™ equivalent
(* times microwave)

P/N 7890

Available in 100m ,300m, 500m rollor alternatively request a custom cable assembly



N-type male crimp connector for RU400 low loss, solid conductor

P/N 8226

Tri-metal plated



RU600 Solid copper conductor, low loss coaxial cable
LMR-600™ equivalent
(* times microwave)

P/N 7890-3

Available in 500m roll or alternatively request a custom cable assembly



N-type male crimp connector for RU600 low loss, solid conductor

P/N 8226-2

Tri-metal plated



1/2" super flexible helical shielded, foam dielectric coaxial cable

P/N ZCG1250SF

Available in per metre, 500m roll or alternatively request a custom cable assembly



N-type male clamp connector for 1/2" super flexible, helical shielded coaxial cable

P/N NM1250SF

Tri-metal plated



1/2" corrugated shielding, foam dielectric coaxial cable

P/N ZCG1250

Available in per metre, 500m roll or alternatively request a custom cable assembly



N-type male clamp connector for 1/2" flexible, corrugated shielded, coaxial cable

P/N NM1250

Tri-metal plated

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Ø50 Mount Tube
- not supplied

