



Y2009-MIMO-2

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

Upper 4G LTE/4G mobile phone 1900-2170 MHz



The Y2009-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 1900-2190 MHz.

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

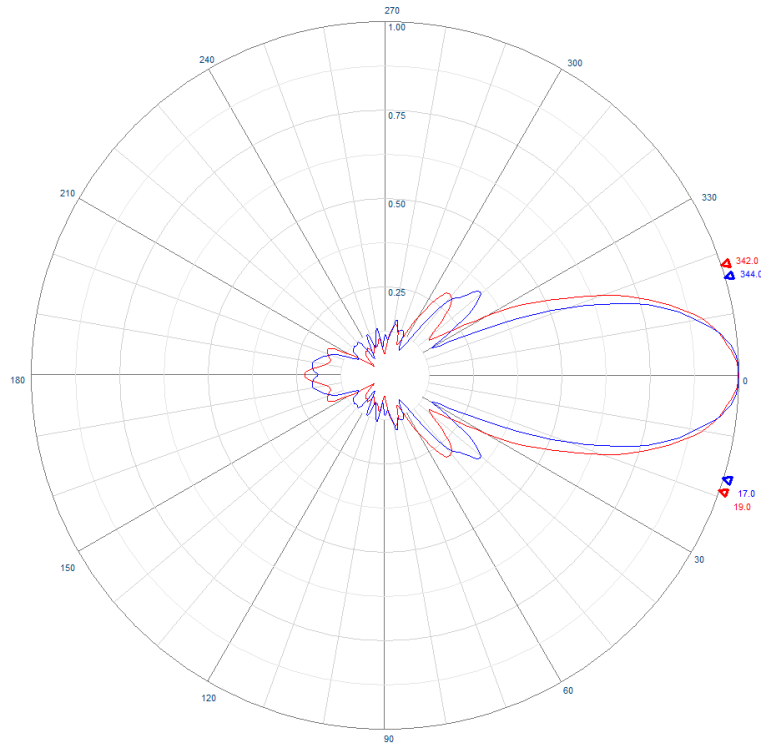
Construction	2 x white or black radome, aluminium mount plate	
Frequency range	1900-2170 MHz - Upper 4G LTE/4G Telstra/Vodafone within Australia	
Bandwidth	Full frequency range stated - 270 MHz	
VSWR	<2:1	
Tuning	Factory	
Number of elements	9	
Gain	11.3 dBi - per plane	
Maximum power	25 Watts	
Impedance	50 Ohms	
Polarisation	Slant +45° and -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 fitted as standard - or specify alternate	
Cable	2 x 200mm UV rated RG142 teflon cable	
Length	290mm	
Width	87mm	
Weight	3.0kg	
Projected area	0.03m ²	
Wind load at 160kph	Front: 0.040kN ; 4.032kg	Side: 0.040kN ; 4.128kg
Mounting hardware	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	



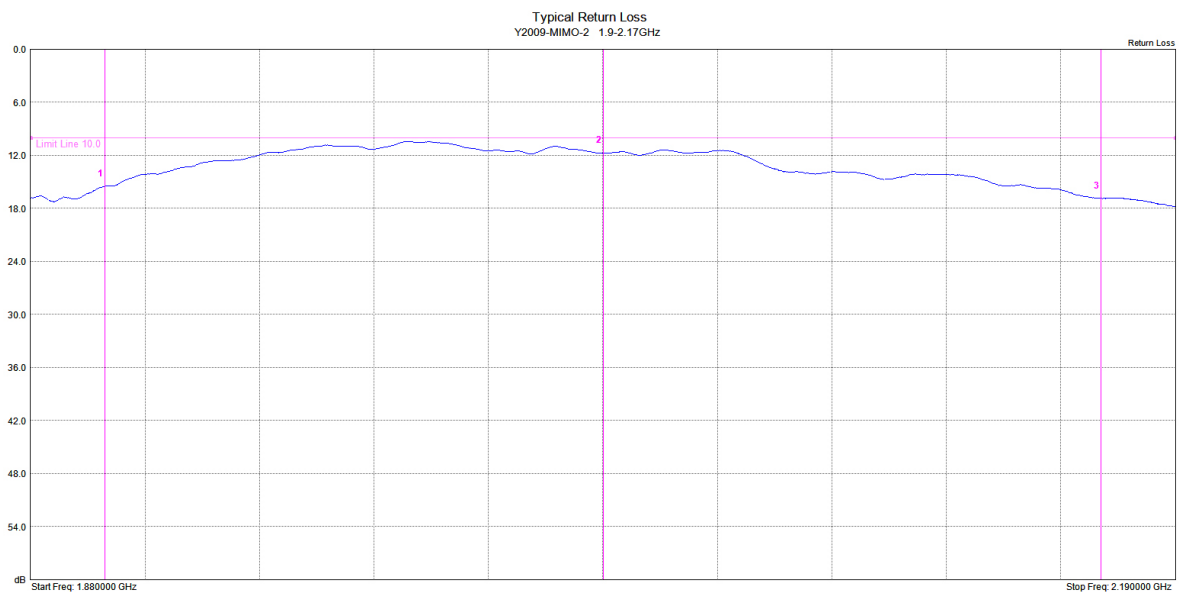


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Example radiation pattern - per plane



Mtr	Ref	Delta	Ref Freq	Ref Amp	Delta Freq	Delta Amp
1	<input type="checkbox"/>	<input type="checkbox"/>	1.900 GHz	15.51 dB	--	--
2	<input type="checkbox"/>	<input type="checkbox"/>	2.035 GHz	11.76 dB	--	--
3	<input type="checkbox"/>	<input type="checkbox"/>	2.170 GHz	16.87 dB	--	--
4	<input type="checkbox"/>	<input type="checkbox"/>	--	--	--	--

Typical Return Loss - per plane



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Suitable mounting hardware



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


Requires fitting hardware to mount location.



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



SKU: SFB900
Galvanised steel pole extension 900mm
Available up to 2.0 metres
Roof or overhang mounting



NBS Anodised aluminium telescopic masts
2 to 6 sections
3-16 metre extended
Quick-install mounts available
[Contact us for more info.](#)

Suitable feeder coaxial cable and connectors



SKU: 7890
RU400 Solid copper conductor, low loss coaxial cable
CNT-400 / LMR-400™ equivalent
(* times microwave)

SKU: 7890-2 - 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 copper conductor coaxial cable

Tri-metal plated



SKU: ZCG1250SF
1/2" super flexible helical shielded, foam dielectric coaxial cable

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



SKU: NM1250SF
N-type male clamp connector for 1/2" super flexible, helical shielded, coaxial cable

Tri-metal plated



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

Available in per metre, 500m roll 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

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



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Ø50 Mount Tube
- not supplied

'-45' Label

'+45' Label

Drain Holes to
face downwards

UV1 Clamp

