

Y2400 series

Point-to-point radome enclosed Yagi antenna

IoT and Industrial, Scientific and Medical ISM 2.4-2.5 GHz



These radome enclosed Yagi's are specifically designed for directional point-to-point WiFi/WLAN or ISM 2.4-2.5 GHz wireless data link transmit and receive applications.

The enclosed design ensures protection from damage or water ingress, increasing the service life of these antennas.

Coaxial feeder cable, water-proofing, bird proofing, adaptors and other installation accessories are all available separately.



SKU	Y2400-9	Y2400-18
Construction	White or Black fibreglass parallel radome, aluminium mount plate and external coaxial cable and termination	
Frequency range	2.4-2.5 GHz - UHF, ISM & WiFi/WLAN compatible	
VSWR	<2:1- maximum	
Tuning	Factory	
Number of elements	9	18
Gain	11.3 dBi	17.8 dBi
Maximum power	25 Watts	
Impedance	50 Ohms	
Polarisation	Mount horizontal or vertical as required	
H Plane	36°	23°
E Plane	43°	26°
Front-to-back ratio	-20 dB	
DC grounding	Yes	
Cable	200mm RG58 low loss - rear exit from mount plate	
Connector	N-type female fitted to cable as standard, or specify requirements	
Dimensions	300mm x 80mm	700mm x 80mm
Weight	1.5kg	2.0kg
Projected area	0.015m	0.035m
Wind load at 160kph	1.82kg	4.26kg
Mounting hardware supplied	Aluminium mount plate, 2 x galvanised steel V-blocks and 2 x 50mm diameter galvanised steel U-bolts	
Installation tools required	13mm spanner for U-bolt securing	



Y2400-9 - 11.3 dBi model



Y2400-18 - high gain 17.8 dBi model

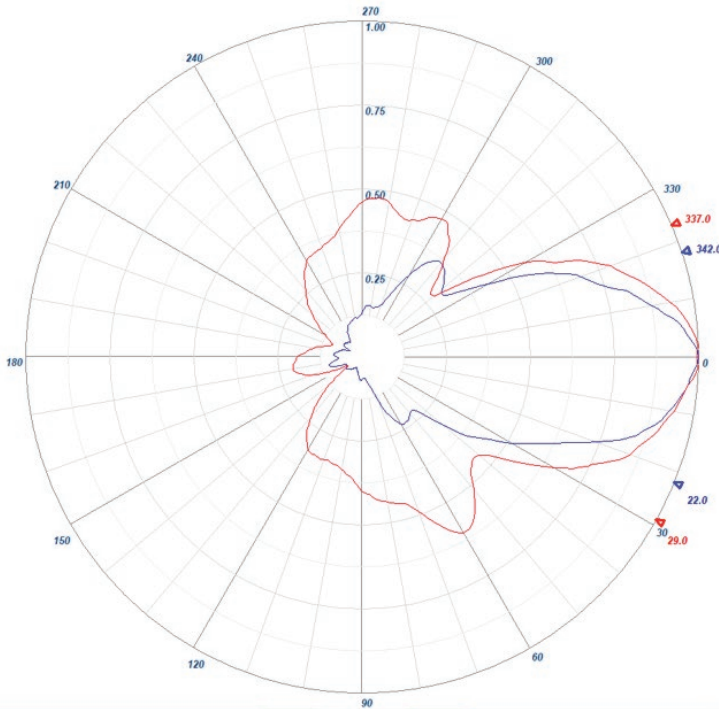


Y2400-9 installed onto pole in correct orientation with drain hole facing down, allowing any humidity ingress to expell

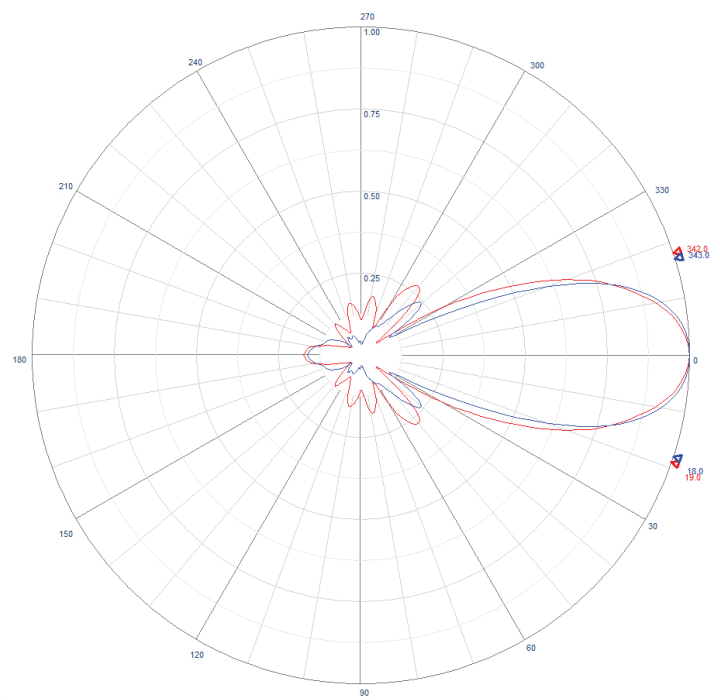
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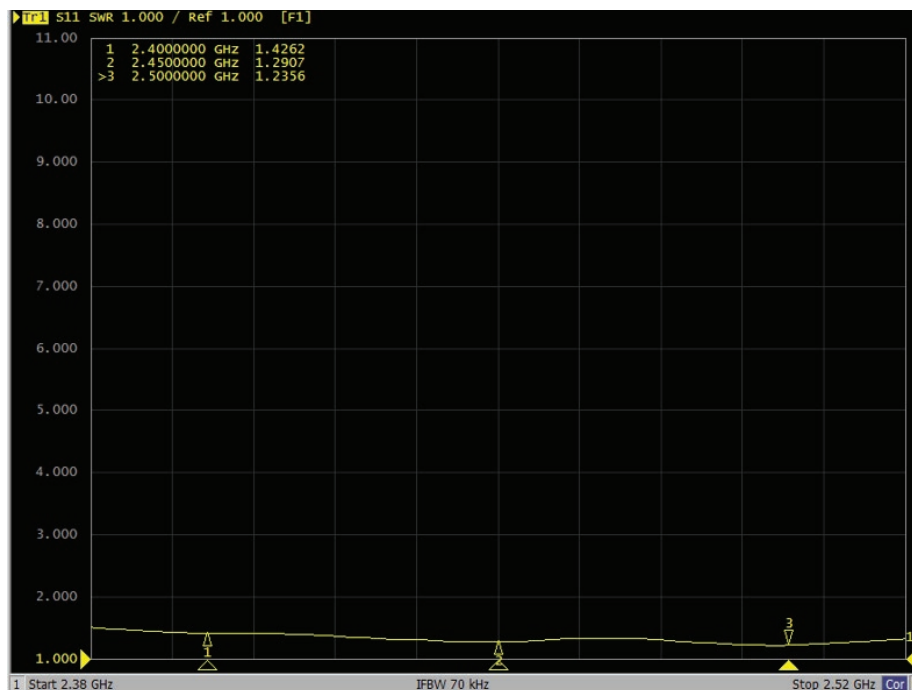
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Example radiation pattern - Y2400-9



Example radiation pattern - Y2400-18



Typical VSWR - Y2400-9

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Suitable mounting hardware



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



NBS Masts & Accessories
- Aluminium telescopic masts
- Tilt-over masts
- Lattice section masts
www.nbsmasts.com.au
or Contact us for more info.

Suitable feeder coaxial cable and connectors



SKU: 7890
RU400 Solid copper conductor, low loss coaxial cable
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: 7890-3
RU600 Solid copper conductor, low loss coaxial cable
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: ZCG1250SF
1/2" super flexible helical shielded, foam dielectric coaxial cable
Available in per metre, 500m roll 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