

CMG920-6

ISM band omni-directional mast mount collinear

Industrial, Scientific and Medical or Telemetry 915-930 MHz

The CMG920-6 mast mount collinear is suitable for high gain wireless data applications within the ISM 915-930MHz frequency range.

The CMG920-6 is suitable for LoRa AU915-928, AS920-923, AS923-925 and KR920-923 Uplink and downlink applications

Mounting hardware, coaxial feeder cable, connectors and other installation accessories are all available separately.



Construction	White fibreglass radome, 304 stainless steel mount section, external cable assembly and termination
Frequency range	915-930 MHz - Industrial, Scientific and Medical (ISM) or Telemetry suits AU915-928, AU923, US902-928, AS920-923, AS923-925 & KR920-923
VSWR	<1.5:1
Tuning	Factory
Gain	8.1 dBi
Maximum power	20 Watts
Impedance	50 Ohms
DC grounding	Yes
Polarisation	Vertical
H Plane	360° omni-directional
E Plane	12°
Connector	N-type female fitted to cable
Cable	530mm RG58 low loss - side exit from mount section
Height	2.45 metres
Weight	2.0kg
Mount section	700mm x 38.1mm O.D. - 304 stainless steel
Mounting hardware order separate	Parallel: 2 x EB1-SS or UAM180L Right-angle: 2 x RB8, 1 x UB2-SS or 2 x UAM90L Side/wall mounting: 2 x NSM-218
Mounting position recommended	Mount as high on your mast/tower or structure using the appropriate mounting hardware.

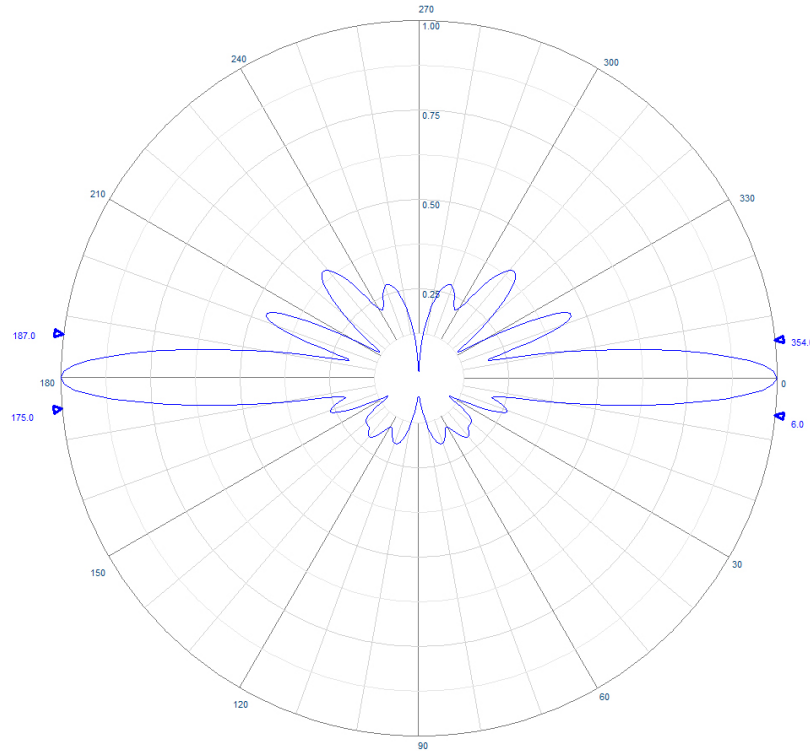




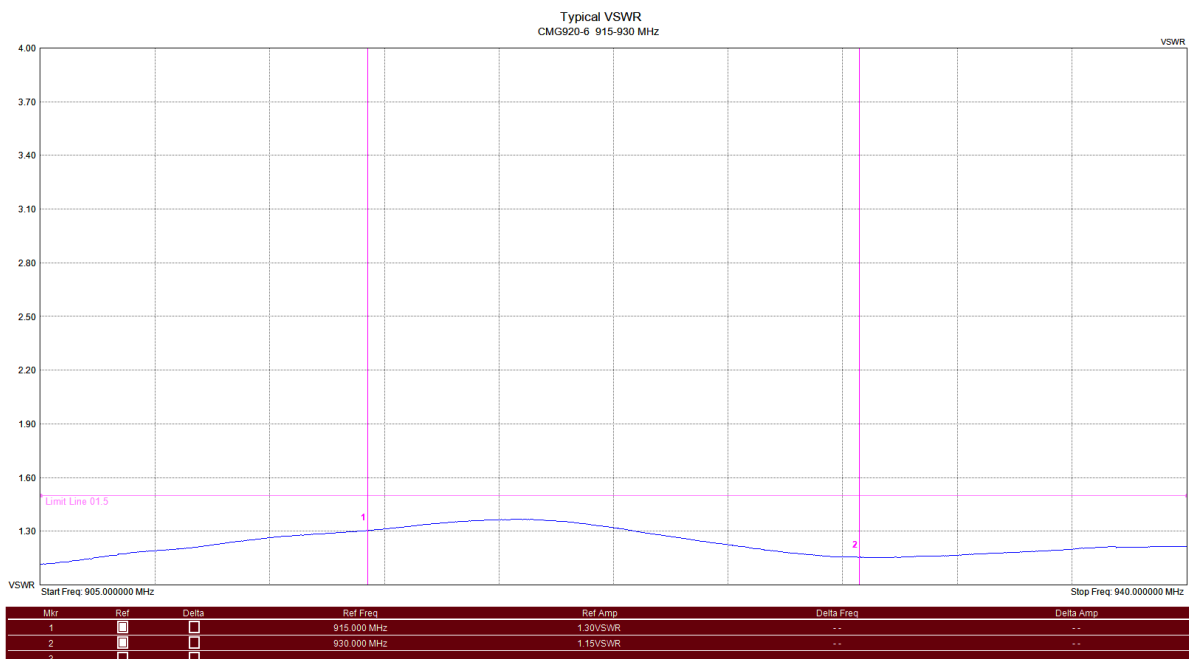
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Example radiation pattern




Typical VSWR



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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



SFB900 - Galvanised steel straight extension brackets - 900mm or specify length requirements

Requires 2 x EB1-SS or 1 x UB2-SS for antenna mounting



EB1-SS - requires 2 304 stainless steel parallel clamp

Boom: 20-40mm capability
Mount pole: 25-45mm capability



RB8 - requires 2 Galvanised steel right-angle clamp

Boom: 20-40mm capability
Mount pole: 20-40mm capability



UB2-SS 304 stainless steel right-angle clamp

Boom: 20-50mm capability
Mount pole: 20-50mm capability



NSM-218 - requires 2 Toughened white nylon side/wall mount clamp

Boom: 38mm capability
Mount requirements: 12mm hole

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 roll or 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