

## CMG920-6

### Omnidirectional ISM 900 MHz mast mount collinear

### Industrial, Scientific and Medical or Telemetry 915-930 MHz

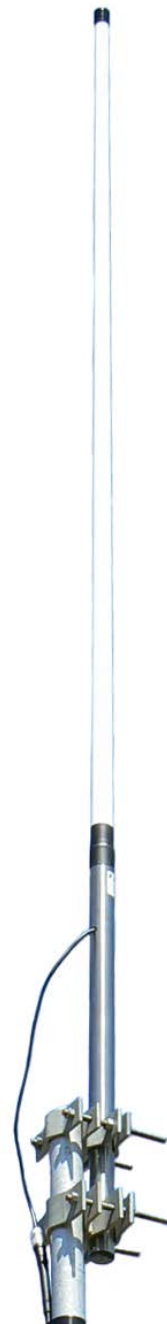


The CMG920-6 mast mount collinear is suitable for high gain wireless data applications within the ISM 915-930MHz frequency range.

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° omnidirectional $\pm 0.5$ dBd
E Plane	12°
Connector	N-type female fitted to cable, or specify termination requirements
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.

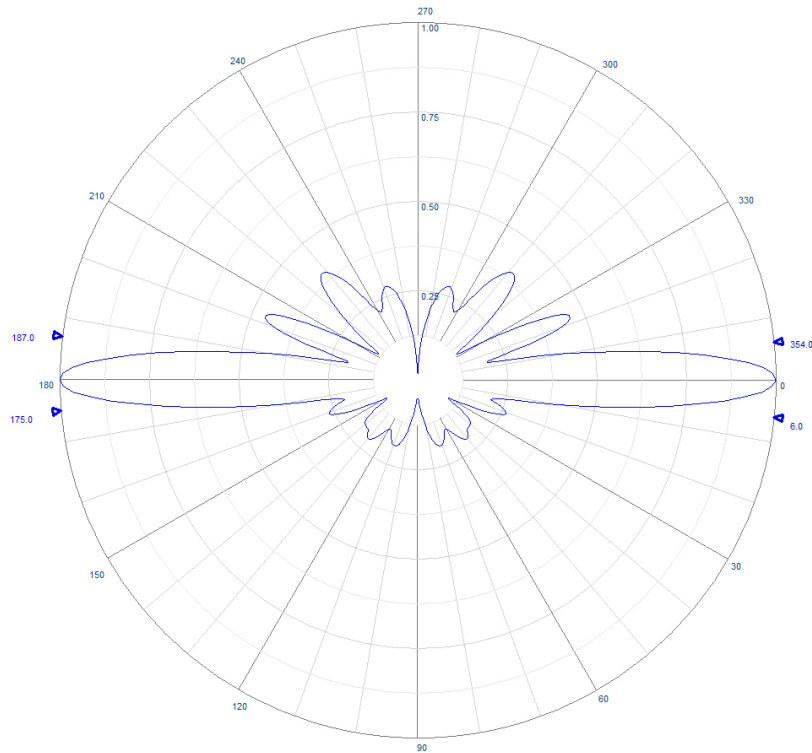


CMG920-6 mounted with 2 x UAM180L - order separately

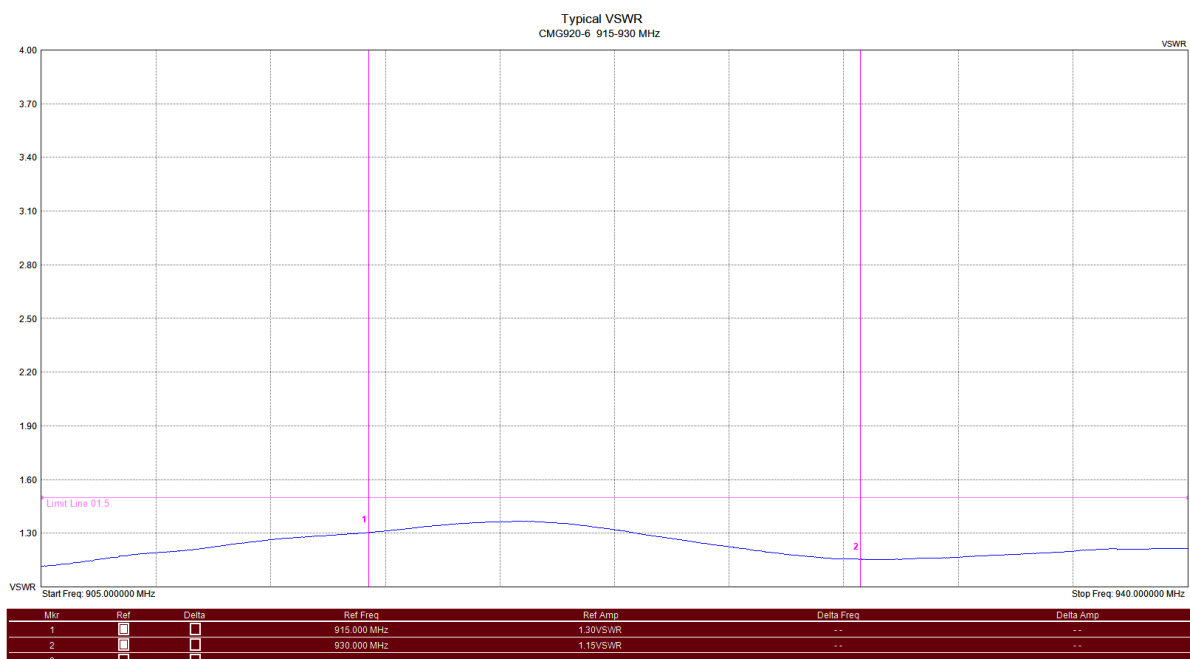


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Example radiation pattern



Typical VSWR



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**SKU: CFB\*\*\*\* series**  
Galvanised steel 'J' hockey stick  
brackets, 1.1 - 2.7 metres.  
  
Requires A-4266 series + 2 x  
EB1-SS or 1 x UB2-SS



**NBS**  
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NBS Masts & Accessories  
- Aluminium telescopic masts  
- Tilt-over masts  
- Lattice section masts

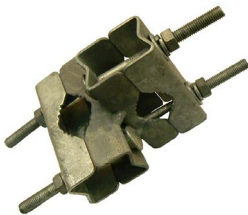
[Contact us for more info.](#)



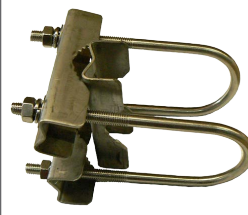
**SKU: EB1-SS**  
2 units recommended  
304 stainless steel parallel  
clamp  
Boom: 20-40mm capability  
Mount pole: 25-45mm  
capability



**SKU: UB3-SS**  
304 stainless steel parallel  
clamp  
Boom: 20-32mm capability  
Mount pole: 20-50mm  
capability



**SKU: RB8**  
2 units recommended  
Galvanised steel right-  
angle clamp  
Boom: 20-50mm capability  
Mount pole: 20-50mm  
capability



**SKU: UB2-SS**  
304 stainless steel right-  
angle clamp  
Boom: 20-50mm capability  
Mount pole: 20-50mm  
capability



**SKU: NSM-218**  
2 units recommended  
Toughened white nylon wall  
mount  
Boom: 38mm capability  
13mm mount hole required

[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