



G50 Series Collinears

Omnidirectional high gain UHF collinear

UHF 520-960 MHz



Our G-series range of high gain UHF omnidirectional fixed position collinear antennas are suitable for two-way radio systems operating within the UHF 520-960 MHz frequency range or as a centrally mounted ISM/telemetry solution using cellular or ISM frequency ranges.

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

SKU	G56	G59
Construction	White fibreglass radome, 304 stainless steel mount section and tri-metal plated termination	
Frequency range	520-960 MHz - UHF	
Maximum bandwidth	Specify any 1% or transmit and receive	
VSWR	<1.5:1 across specified bandwidth	
Tuning	Factory	
Gain	6 dBd	9 dBd
Maximum power	250 Watts	
Impedance - nominal	50 Ohms	
DC grounding	Yes	
Polarisation	Vertical	
H Plane	360° omnidirectional, ± 0.5 dBd	
E Plane	18°	9°
Connector	N-type female in base of mount section	
Height at 520 MHz	3.0 metres	4.0 metres
Weight	1.8kg	2.0kg
Projected area	0.060m ²	0.070m ²
Wind load at 160kph	7.0kg, 0.066kN	8.4kg, 0.083kN
Mount section	450mm x 31.75mm \varnothing - 304 stainless steel	
Mounting hardware order separate	Parallel: 2 x EB1-SS or 1 x UB3-SS Right-angle: 2 x RB8 or 1 x UB2-SS Wall/side mounting: 2 x NSM-CL3642	
Mounting position recommended	Mount as high on your structure, mast or tower as possible using the appropriate mounting clamps	



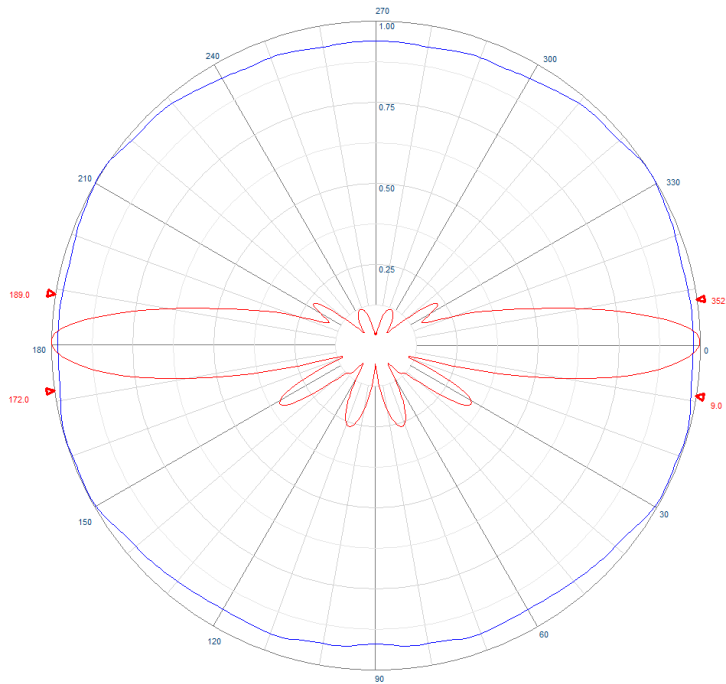
N-type female in base of mount section



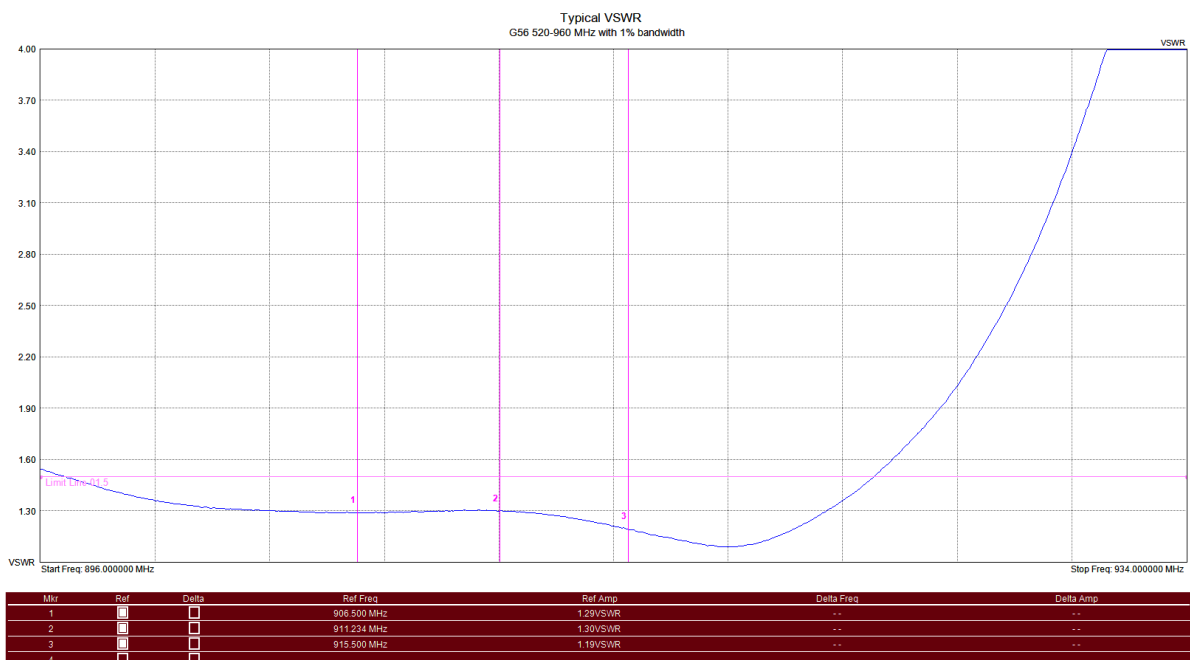
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Example Polar radiation pattern - G56



Typical Return Loss - G56 scaled




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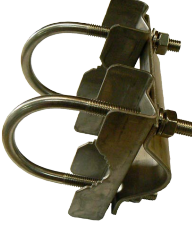
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Suitable mounting hardware



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 steel right-angle clamp
Boom: 20-50mm capability
Mount pole: 20-50mm capability



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

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 - RU400-UF ultra-flex
Available in 100m or 300m rolls 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
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



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
SKU: ZCG1250-A - Air dielectric
Available in per metre, or 500m rolls 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