

SG2000-MM

Mobile phone/wireless data improvement collinear

All networks 4G/3G upper 1920-2170MHz



The SG2000-MM series are specifically designed for the 3G upper mobile phone network, and offers consistent and dependable performance with maximum efficiency, particularly where signal strength is poor.

Mounting hardware, alternative connectors, adaptors and other installation accessories are all available separately.

Construction	White fibreglass radome, aluminium mount ferrule and cap, fixed aluminium mast mount adaptor and external coaxial cable
Frequency range	All networks 4G/3G upper 1.92-2.17GHz
Bandwidth	Full frequency range stated
VSWR	Average: <1.6:1 ; Maximum: <1.8:1
Tuning	Factory
Gain	6.2dBi
Maximum power	30 Watts
Impedance	50 Ohms
Polarisation	Vertical
H Plane	360° omni-directional
Cable	100mm MIL-SPEC RG58 low loss - bottom exit from mount adaptor
Connector	N-type female as standard or specify requirements
Height	550mm
Weight	600grams
Mount section	150mm x 24mm - machined aluminium
Mounting hardware order separate	Mount pole: CFB series or A-2654-2 Parallel: 2 x EB1-SS or 1 x UB3-SS Right-angle: 2 x RB8 or 1 x UB2-SS
Mounting position recommended	Mount as high on your structure or tower as possible using appropriate mounting hardware



Aluminium cap reduces environmental damage and unwanted signal loss



Fixed aluminium mount adaptor section - requires mounting hardware



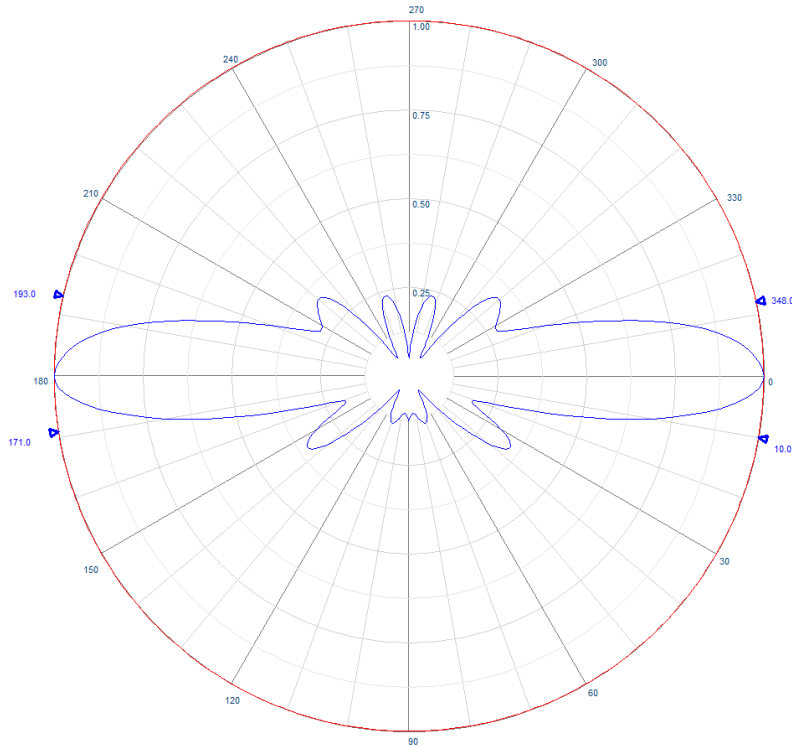
N-type female fitted to cable bottom exit from mount adaptor



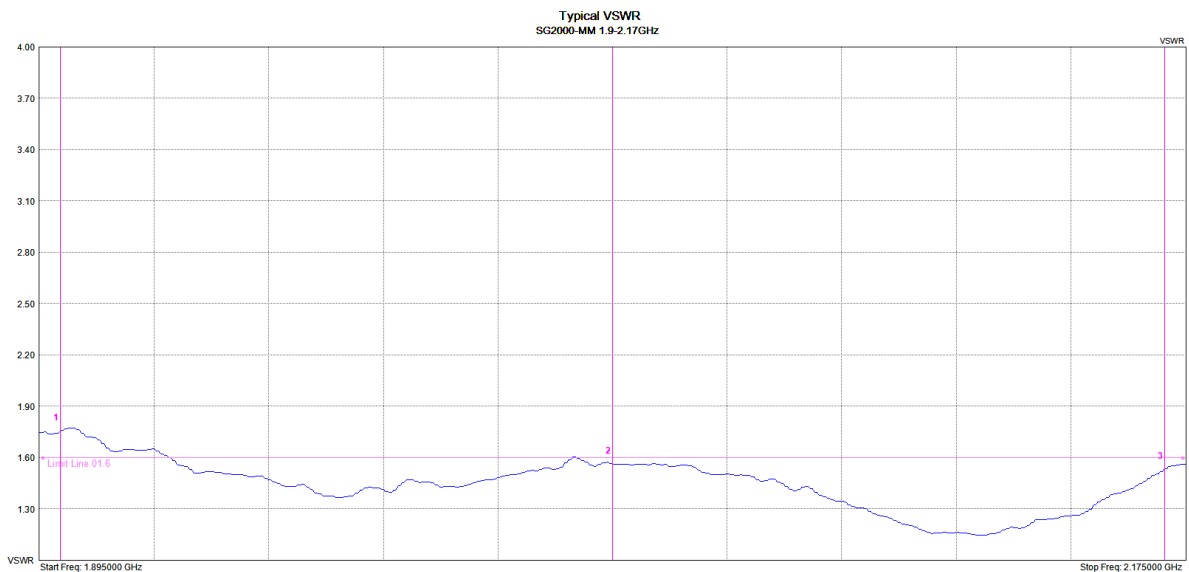
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Example radiation pattern



Mtr	Ref	Delta	Ref Freq	Ref Amp	Delta Freq	Delta Amp
1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1.920 GHz	1.78VSWR	--	--
2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	2.025 GHz	1.58VSWR	--	--
3	<input checked="" type="checkbox"/>	<input type="checkbox"/>	2.170 GHz	1.53VSWR	--	--
4	<input type="checkbox"/>	<input type="checkbox"/>	--	--	--	--

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



EB1-SS - requires 2 304 stainless steel parallel clamp

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



UB3-SS 304 stainless steel parallel clamp

Boom: 20-32mm capability
Mount pole: 20-50mm 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

Typical alternate connectors



P/N 7963-7
SMA male termination

Also available in right-angle configuration, alternate gender or reverse polarity



P/N 7976
FME female termination

Also available in right-angle configuration or alternate gender



P/N 7933-2
N-type male termination

Also available in right-angle configuration or alternate gender