



SGDB-MM-N

Mast mount mobile phone/wireless data improvement collinear
All networks 4G/3G 825-960MHz & 1710-2190MHz



The SGDB-MM-N is a mast mount collinear, designed and manufactured to improve your mobile phone and wireless data receive and transmit.



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

Construction	White parallel fibreglass radome, stainless steel mount section and external termination
Frequency range	All networks 4G and 3G 825-960MHz & 1710-2190MHz
Bandwidth	Full frequency ranges
VSWR	<1.6:1 at centre and <2.1:1 at edges
Tuning	Factory
Gain	6.2dBi at 825-960MHz and 3dBi at 1710-2190MHz
Maximum power	30 Watts
Impedance	50 Ohms
Polarisation	Vertical
DC grounding	Yes
H Plane	360° omni-directional
E Plane	32°
Connector	N-type female in base of mount section
Height	1.4 metres
Weight	1.2kg
Mount section	Height: 400mm, Diameter: 22.2mm - 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
Mounting position recommended	Mount as high on your structure ,mast or tower using the appropriate mounting clamp/s.

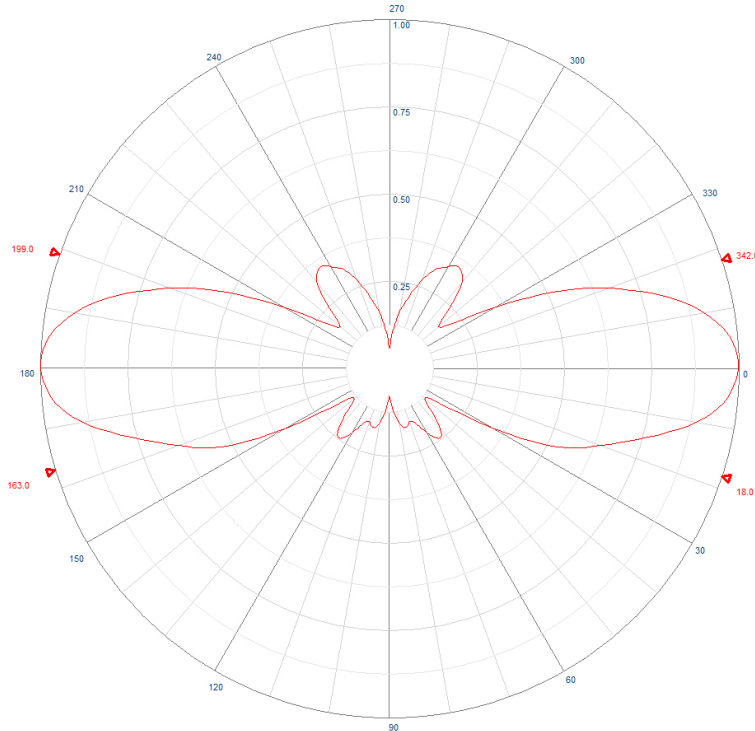


N-type female in base of mount section

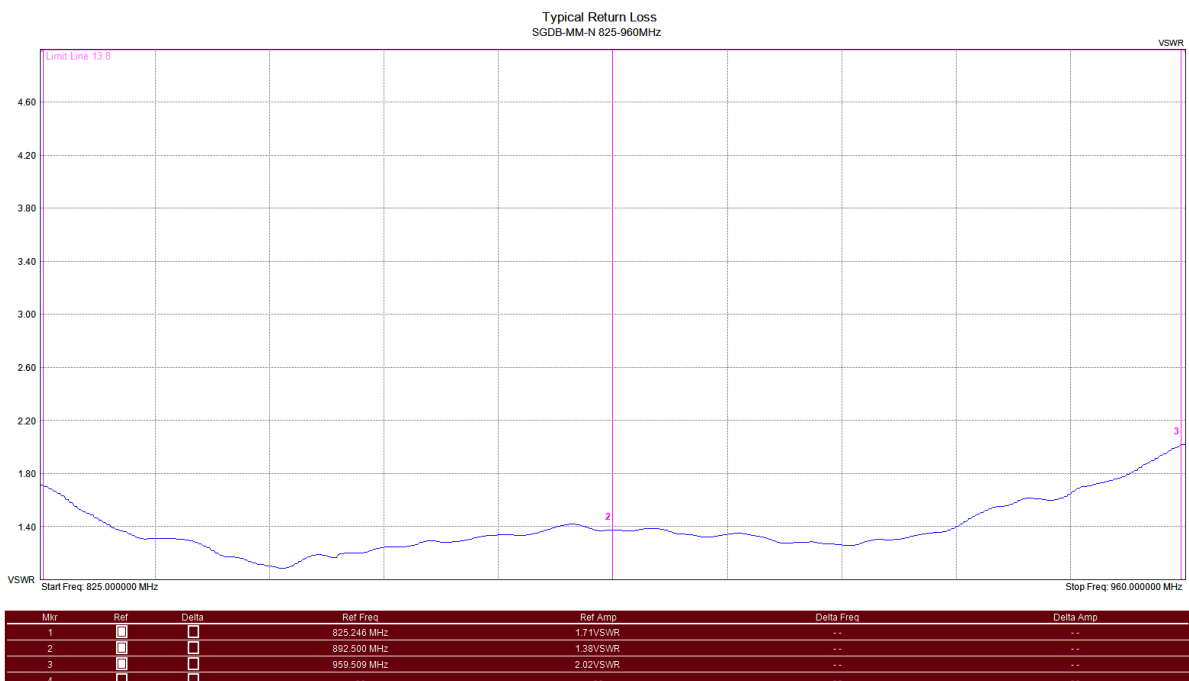


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Example radiation pattern



Typical VSWR at 820-960MHz




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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



SFB Series - galvanised steel pole extension 0.9-2.0 metres Roof or overhang mounting

Requires A-4266 + 2 x EB1-SS or 1 x UB2-SS




A-2307 - 6-piece aluminium & fibreglass mast - 6.68m

Includes: insulated top, guy wires, spigots and base bracket.



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

Suitable feeder coaxial cable and connectors



MIL-SPEC RG213 stranded conductor, solid PE dielectric coaxial cable

P/N 7800

Available in 100m, 300m roll or alternatively request a custom cable assembly



N-type male crimp connector for MIL-SPEC RG213

P/N 7937

Tri-metal plated



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