



SGDB-T10

Mast Mount Mobile Phone/Wireless Data Improvement All networks dualband 4G 825-960 MHz & 1710-2190 MHz



The SGDB-T10 super gain telemetry antenna is a popular choice to improve your mobile phone or wireless data reception.

The SGDB-T10 is different from the standard SGDB due to the capability of mast mounting to a pole or vertical mast and the cable exiting the bottom of the mounting section.

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

Construction	Black fibreglass radome, clear anodised aluminium ferrule and mast mount, external cable assembly and termination
Frequency range	825-960 MHz & 1710-2190 MHz - All networks dualband 4G
Bandwidth	Full frequency ranges stated
VSWR	<1.6:1
Tuning	Factory
Gain	6.2 dBi at 825-960 MHz and 3 dBi at 1710-2190 MHz
Maximum power	30 Watts
Impedance	50 Ohms
Polarisation	Vertical
H Plane	360° omnidirectional
E Plane	32°
Cable	10 metres MIL-SPEC RG58 low loss - bottom exit from mount section
Connector	Gold plated SMA male fitted as standard or specify requirements
Height	900mm
Weight	1.0kg
Mount section	150mm x 24mmØ - clear anodised aluminium
Projected area	0.012m ²
Wind load at 160kph	1.451kg, 0.014kN
Mounting hardware order separate	See following pages for suitable mount hardware
Mounting position recommended	Mount as high on your structure, mast or tower using the appropriate mounting clamp/s.
Installation requirements	Waterproofing amalgamation tape SKU: A-8574 and PVC tape SKU: A-8651-0 for all terminations.

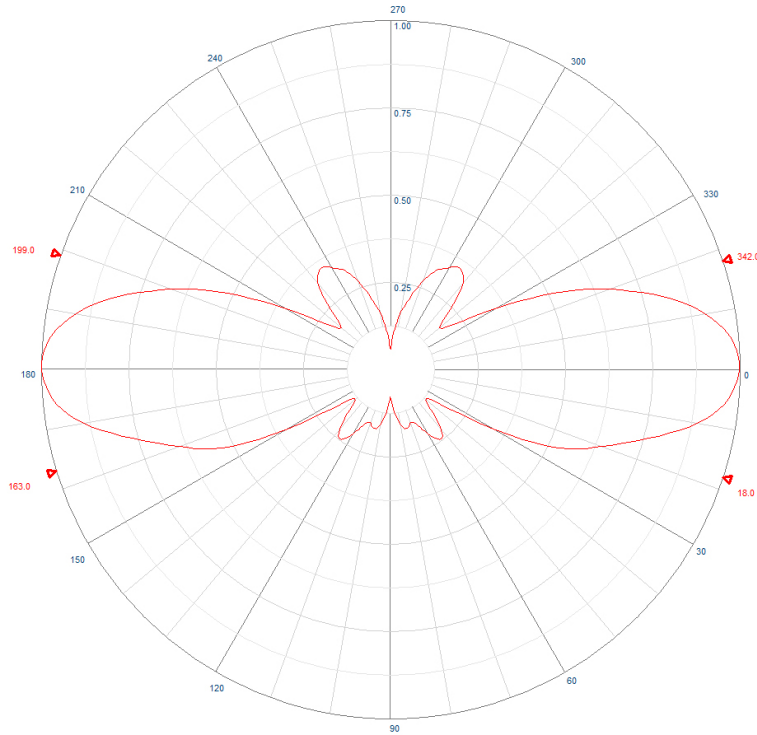


Gold plated SMA male fitted as standard or specify requirements

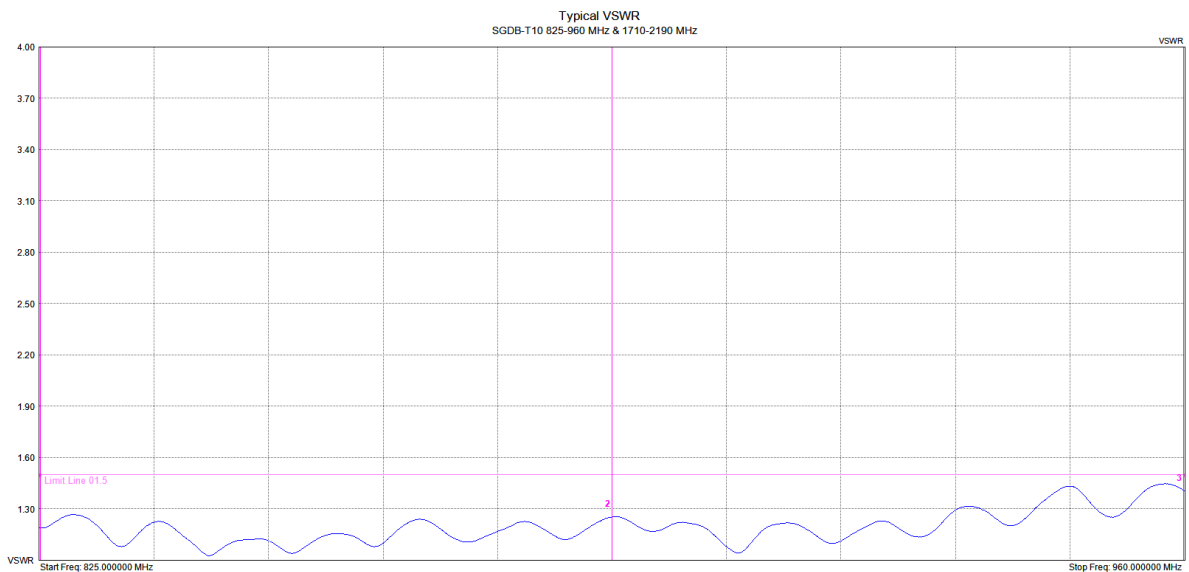


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Example radiation pattern



Mhz	Ref	Delta	Ref Freq	Ref Amp	Delta Freq	Delta Amp
1	<input type="checkbox"/>	<input type="checkbox"/>	825.067 MHz	1.39VSWR	--	--
2	<input type="checkbox"/>	<input type="checkbox"/>	892.531 MHz	1.28VSWR	--	--
3	<input type="checkbox"/>	<input type="checkbox"/>	959.939 MHz	1.41VSWR	--	--
4	<input type="checkbox"/>	<input type="checkbox"/>	--	--	--	--

Typical VSWR - Lower 4G & 3G




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SKU: CFB series
 Galvanised steel 'J' hockey stick brackets, 1.1 - 2.1 metres.

 Requires: mounting screws/bolts and mounting hardware for antenna - see below



SKU: A-2654-2
 Aluminium pole extension 1.1 metres includes pole mounting brackets.


 Requires: mounting screws/bolts and mounting hardware for antenna - see below



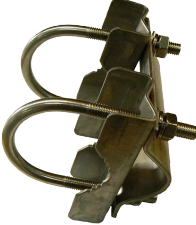
SKU: SFB900
 Galvanised steel pole extension 90mm available up to 2.0m
 Roof or overhang mounting
 Requires: mounting screws/bolts and mounting hardware for antenna - see below



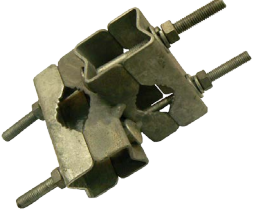
NBS Anodised aluminium telescopic masts
 2 to 6 sections
 3-16 metre extended
 Quick-install mounts available
[Contact us for more info.](#)



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



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

Typical alternate connectors



SKU: SM-7963-4
 Reverse gender SMA male termination

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



SKU: FM-7976
 FME female termination

 Also available in right-angle configuration or alternate gender



SKU: NM-7933-2
 N-type male termination

 Also available in right-angle configuration or alternate gender