



SGDB-TPM series

Mobile phone/wireless data improvement

All networks dualband 4G 825-960 MHz & 1710-2190 MHz



At some remote locations, inside a building or whilst travelling, mobile phone and wireless data reception can often be poor, the SGDB-TPM is an adaptable antenna for mounting outdoors at your home or office.

Please note: the SGDB-TPM series will not transmit/receive signal where no cellular infrastructure is present, please check network coverage.

Mounting hardware, adaptors, bird-proofing and other installation accessories are all available separately.

SKU	SGDB-B-TPM - black radome	SGDB-W-TPM* - white radome
Construction	Coloured fibreglass radome, clear anodised aluminium mount ferrule, external cable assembly and termination	
Frequency range	825-960 MHz & 1710-2190 MHz - all networks dualband 4G	
Bandwidth	Full frequency ranges stated	
VSWR	Average: <1.6:1, Maximum <3:1 VSWR	
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	5 metres RG58 low loss, solid core - side exit from ferrule	
Connector	FME female fitted to cable as standard or specify requirements	
Height	800mm	
Weight	700grams	
Mounting hardware order separate	See following pages for suitable mount hardware or any minimum 13mm hole	
Mounting position recommended	As high on your structure/tower or building as possible, using the appropriate mounting hardware.	
Installation tools required	19mm or 3/4" spanner for securing nut and Waterproofing amalgamation tape SKU: A-8574 and PVC tape SKU: A-8651-0 for all terminations.	



Threaded ferrule mount with side exit cable

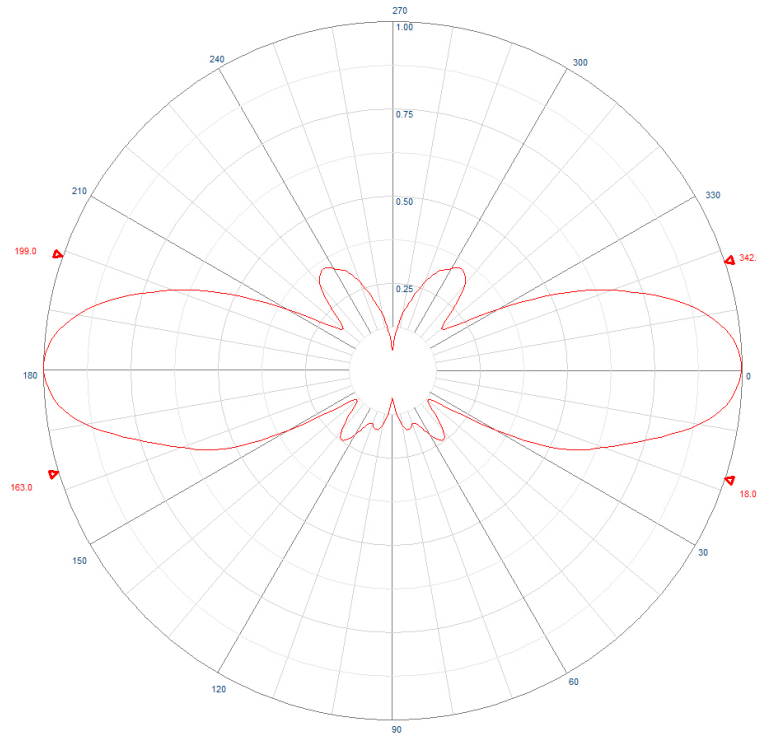
FME female fitted as standard or specify requirements



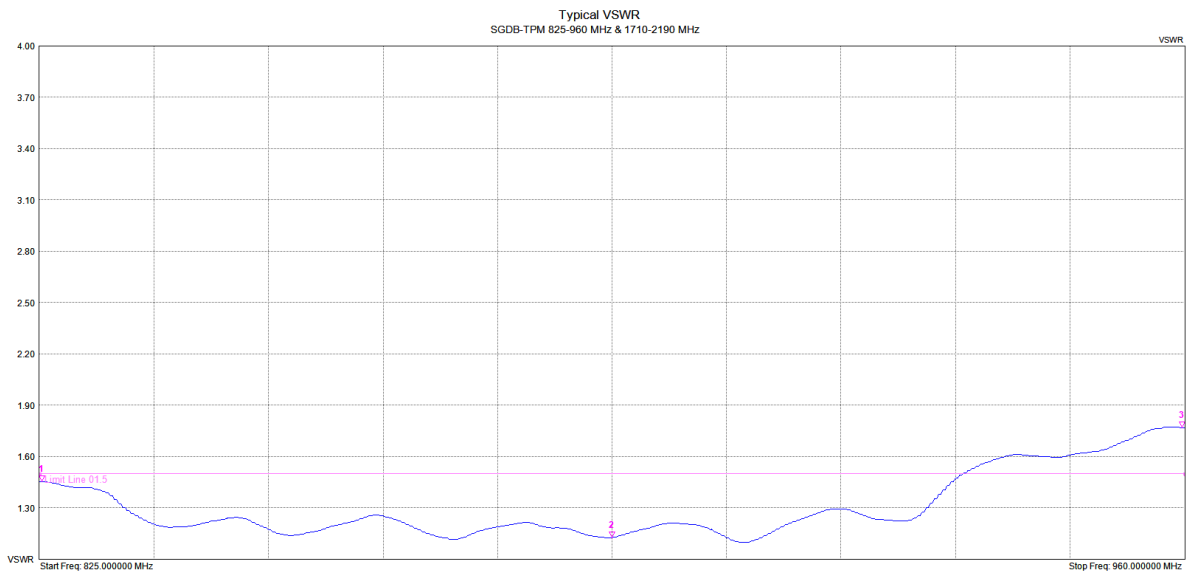
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Example radiation pattern




Mhz	Ref	Delta	Ref Freq	Ref Amp	Delta Freq	Delta Amp
1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	825.246 MHz	1.46VSWR	--	--
2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	892.500 MHz	1.13VSWR	--	--
3	<input checked="" type="checkbox"/>	<input type="checkbox"/>	959.755 MHz	1.77VSWR	--	--
4	<input type="checkbox"/>	<input type="checkbox"/>	--	--	--	--

Typical VSWR - 825-960 MHz


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SKU: A-4266
Clear anodised aluminium mast mount adaptor
Requires 2 x EB1-SS, 1 x UB3-SS or 2 x RB8 or 1 x UB2-SS
Can be used with CFB series or A-2654-2




SKU: GM1
304 stainless steel 'L' fascia mount bracket
16mm hole
Requires mounting screws/ bolts - not supplied



SKU: A-6211
304 stainless steel 'L' fascia mount bracket
16mm hole, 200mm offset
Requires mounting screws/ bolts - not supplied




SKU: MGB
Powdercoated black internal magnet mount base
16mm hole
105mm diameter
includes scratch reduction pad on base



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

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



SKU: 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



Alternate Spring base
SKU: A-1269
'Barrel' stainless steel spring base with 1/2" bolt and spring washer

Requires 19mm spanner



Alternate Spring base
SKU: A-1270
Parallel heavy-duty mount spring, includes base mount bolt

Requires 19mm spanner



Alternate Spring base
A-1269-12
'Barrel' stainless steel spring base with threaded stud and split nut

Requires 19mm spanner



Alternate Spring base
A-1269-14
'Barrel' stainless steel spring base with 50mm base extension. Suitable for behind bull bar mounting or wing mirror bracket mounting


Requires 19mm spanner

Typical alternate connectors



SKU: SM-7963-7
SMA male termination
Suits mobile/telemetry devices.

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



SKU: NM-7933-2
N-type male termination
Suits mobile/telemetry devices

Also available in right-angle configuration or alternate gender