



SG900-TPM series

Omni-directional wireless data collinear

M2M / IoT / ISM900 918-928 MHz



The SG900 series will significantly improve your wireless data transmit and receive capabilities for radio location, industrial, scientific or medical applications or is ideal for M2M, IoT & ISM900 applications.

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



	SG900-W-TPM	SG900-B-TPM
Radome colour	White	Black
Construction	Coloured fibreglass radome, aluminium ferrule and cap, external cable and termination	
Frequency range	918-928 MHz - UHF, M2M, IoT, ISM900 & LoRa compatible Suits AUS915-928, AS923, US902-928, AS920-923, AS923-925 and KR920-923	
Tuning	Factory	
VSWR	<1.6:1	
Gain	6.2 dBi	
Impedance - nominal	50 Ohms	
Polarisation	Vertical	
H Plane	360° omnidirectional	
Cable	5 metres RG58 low noise stranded, side exit from ferrule as standard or specify length requirements	
Connector	FME female jack fitted to cable - for ease of installation	
Height	800mm	
Weight	790grams	
Mounting hardware order separate	Bracket mounting: GM1, GM2, GM6 or A-6211 Mast mounting: 4266 with 2 x EB1-SS or 1 x UB3-SS Base mounting: BBKB-B or ATLM-CH/ATLM-B	
Mounting position recommended	Mount as high on your vehicle, structure, mast or tower as possible using the appropriate mounting bracket.	
Installation tools required	19mm or 3/8" spanner for nut securing	

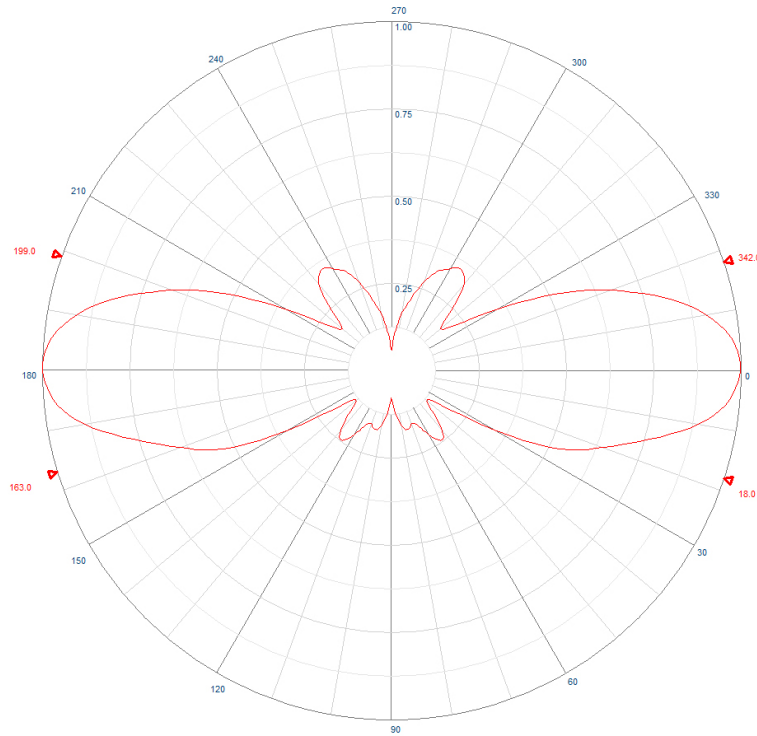


FME female fitted as standard or specify requirement

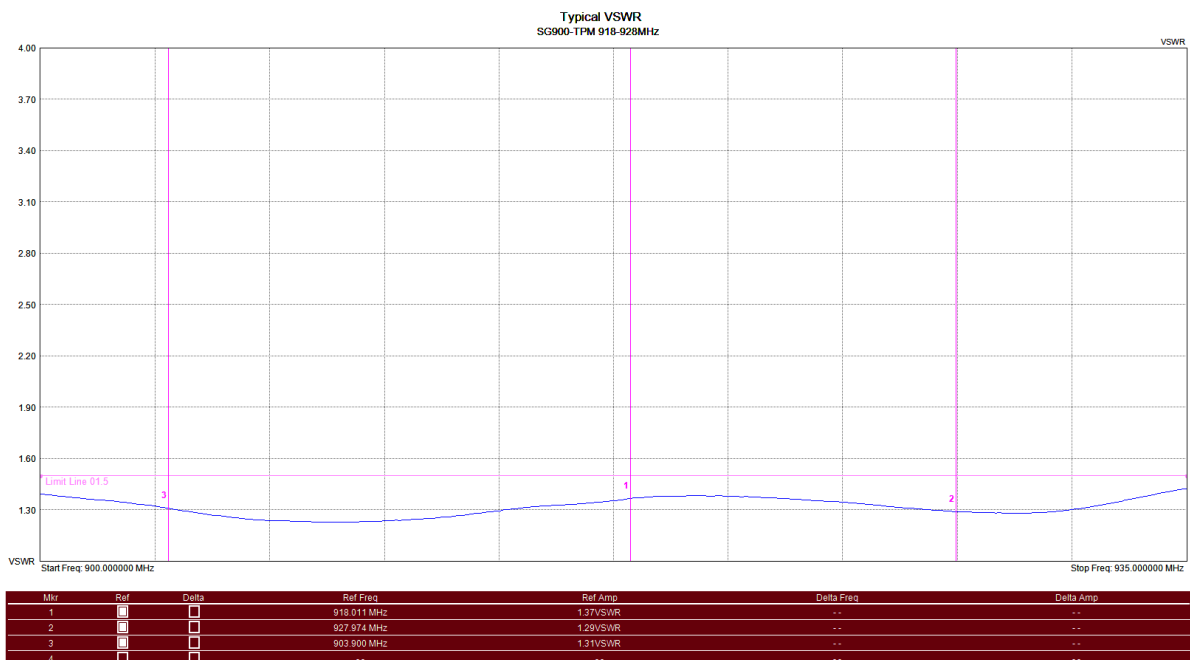


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Example radiation pattern



Typical VSWR

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Recommended installation accessories



BBM Series - wrap around bull bar mount, 50-90mm diameter tube

16mm mount hole

Requires 10mm spanner



A-4266 series - aluminium mast mount adaptor

Requires suitable mounting bracket/clamps such as EB1-SS or UB3-SS



A-6211 - stainless steel fascia/wall mount bracket

16mm mount hole



GM1 - stainless steel 'L' mount bracket.

16mm mount hole



Alternate Spring base

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

Typical alternate Connectors



P/N 7963-7

SMA male termination

Suits telemetry devices

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



P/N 7933-2

N-type male termination

Suits telemetry devices

Also available in right-angle configuration or alternate gender