



# SGL1900-TPM series

## Omnidirectional broadband wireless data collinear

### UHF 1.88-1.92 GHz



The SGL-1900-TPM series are specifically designed for use within the UHF 1880-1920 MHz frequency range, and offers consistent and dependable performance with maximum efficiency, suitable for wireless data transfer applications.

Coaxial cable, adaptors, alternate connectors and other installation accessories are all available separately.

	SGL1900-TPM	SGL1900-TPM-58
Construction	White parallel fibreglass radome, aluminium mount ferrule , external coaxial cable and termination	
Frequency range	1880-1920 MHz - UHF	
Bandwidth	Full frequency range stated - 40 MHz	
VSWR	<1.6:1	
Tuning	Factory	
Gain	6.2 dBi	
Maximum power	5 Watts	100 Watts
Impedance - nominal	50 Ohms	
Polarisation	Vertical	
H Plane	360° omni-directional	
Cable	5 metres RG316 - side exit from ferrule	5 metres RG58 low loss, solid core - side exit from ferrule
Connector	MCX male fitted to cable or specify requirements	N-type female fitted to cable or specify requirements
Height	380mm	
Weight	600grams	
Mounting hardware - supplied	1/2"-12BSW male thread at base of ferrule with 1/2" nut, GM1 'L' mounting bracket with 16mm hole	
Alternate mounting hardware order separate	Bracket: BBM series, MRM-SS, BBKB-B, A-6211 or GM2 Spring base: A-1269, A-1269-14 or A-1270 Magnetic base: MGB Mast mount extension: A-4266 series + EB1-SS or UB3-SS	
Mounting position recommended	Mount as high on your structure or tower as possible to ensure a true omni-directional signal.	
Installation tools required	22mm spanner for nut securing	

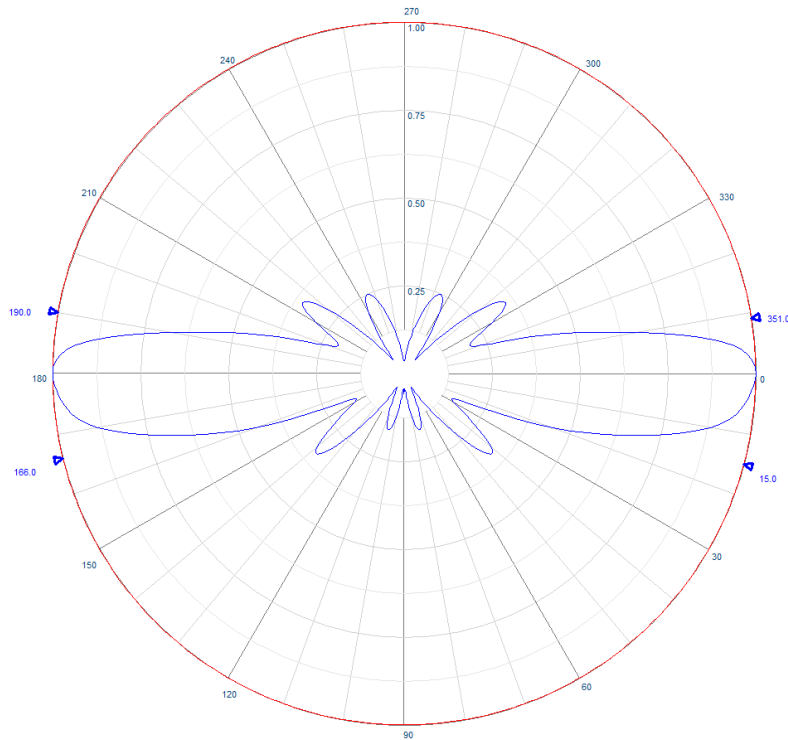




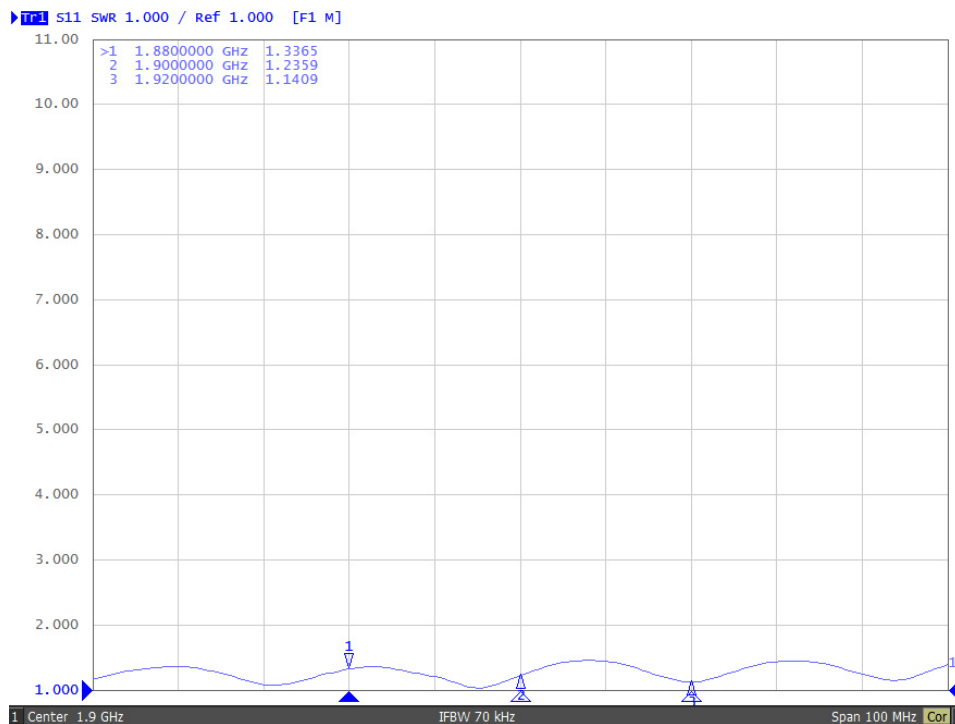
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Example radiation pattern



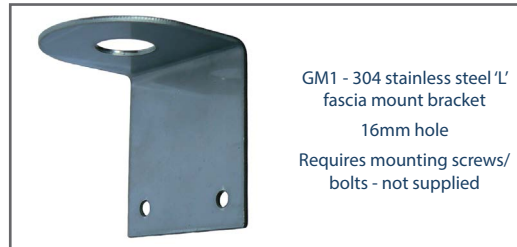
Typical VSWR

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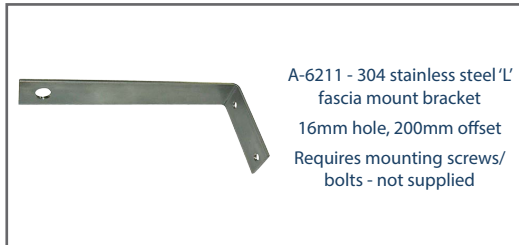
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Included mounting bracket



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

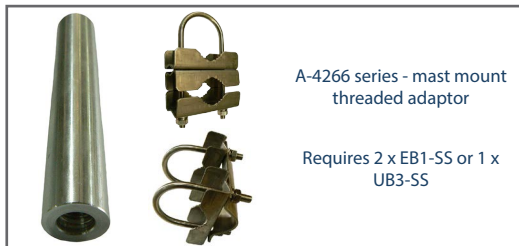
Alternate mounting hardware



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



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



A-4266 series - mast mount threaded adaptor  
Requires 2 x EB1-SS or 1 x UB3-SS



A-126-14 - 304 stainless steel barrel spring base with extension mount ferrule  
Can be fitted during manufacture

Typical alternate Connectors



FME female termination  
Suits mobile device or telemetry device.  
Also available in right-angle configuration or alternate gender



N-type male termination  
Suits telemetry devices  
Also available in right-angle configuration or alternate gender



Reverse polarity SMA male termination  
Suits telemetry devices  
Also available in standard gender or right-angle configuration