

Compact Fin Style WiFi + GPS/GNSS Antenna

GPSF-24-58

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Dual Band WiFi + GPS/GNSS Antenna

- Compact Stylish Shape
- Dual Band 2.4 / 5GHz WiFi
- GPS/GNSS Active Antenna

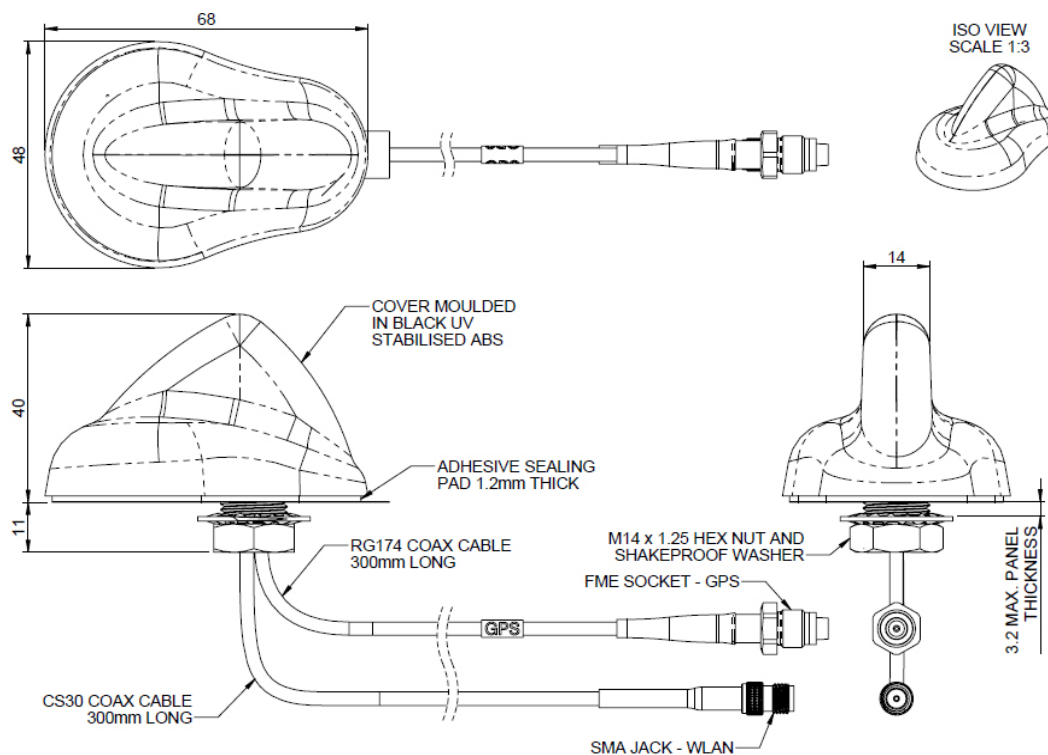
The GPSF-24-58 is a dual function, compact 'fin' style antenna for 2.4GHz / 5GHz WiFi and incorporates an active GPS/GNSS antenna.

The GPS/GNSS antenna features a 30dB gain LNA and is suitable for use with GPS/GLONASS/Galileo & BeiDou systems.

The antenna only requires a single hole for mounting on the roof of a vehicle or an equipment enclosure. This rugged fin style antenna is an ideal choice for Public Safety and Fleet vehicles or use with on site/remote equipment.

Technical Drawing

GPSF-24-58 Shown



Compact Fin Style

WiFi + GPS/GNSS Antenna

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Product Data

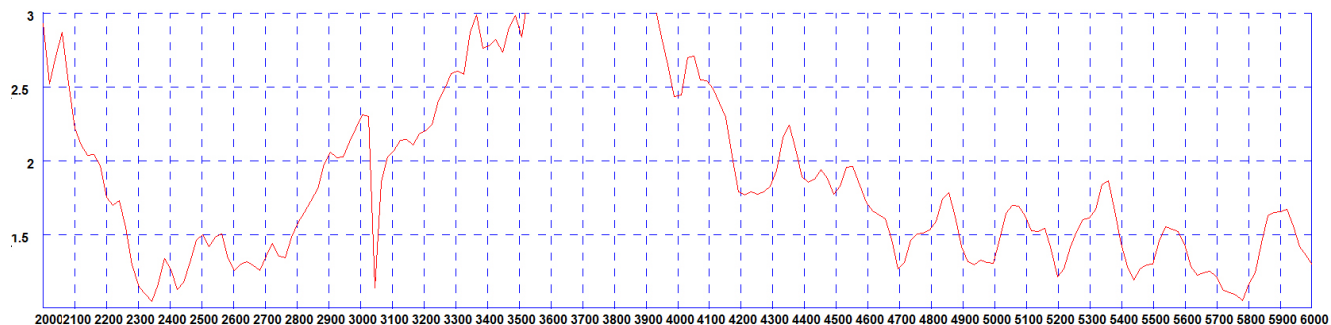
Part No.		GPSF-24-58
Electrical Data		
Frequency Range (MHz)		2.4/5GHz
Gain: Isotropic		2dBi
Polarisation		Vertical
Pattern		Omni-directional
Impedance		50Ω
Max Input Power (W)		25
GPS Data		
Frequency Range (MHz)		1562-1612
VSWR		<2.0:1 ± 4MHz
Gain: LNA		30dB
Polarisation		Right Hand Circular
Operating Voltage		3 - 5V DC (fed via coax)
Current		<20mA
Mechanical Data		
Dimensions (mm)	Height	40 (1.5")
	Width	48 (1.8")
	Length	68 (2.7")
Operating Temp (°C)		-40° / +80°C (-40° / +176°F)
Material		UV Stable ABS
Mounting Data		
Fixing		(14mm / 0.5") Panel mount
Cable Data		
GPS Cable	Type	RG174
	Diameter (mm)	2.8 (0.11")
	Length (m)	0.3 (1')
	Termination	FME socket
Comms Cable	Type	CS30
	Diameter (mm)	2.8 (0.11")
	Length (m)	0.3 (1')
	Termination	SMA Jack

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Electrical Data - Cell

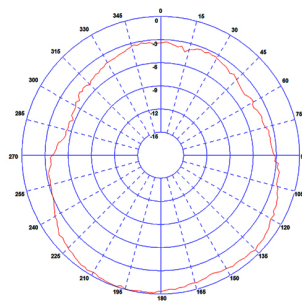
Typical VSWR*



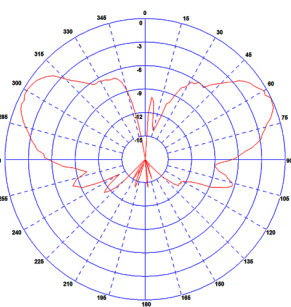
*VSWR measured on a 600x600mm (2'x2') ground plane with 1m of (3') SR30 cable

Pattern - GNSS

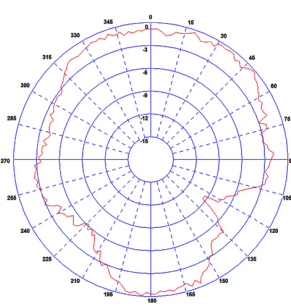
Typical H-Plane (2450MHz)



Typical E-Plane(2450MHz)



Typical H-Plane (5600MHz)



Typical E-Plane (5600MHz)

