SUNTSU

Outdoor Antenna

SATOA-84A84A14G-CMB1

84.0mm x 84.0mm x 14.6mm

Features

- GPS, GSM & WIFI
- Outdoor Antenna
- Stable And Reliable Performance
- 1575.42MHz, 824-960MHz, 1710-2170MHz & 2400-2483.5MHz

Applications

- Vehicle Tracking
- Asset Tracking
- GPS Navigation
- Machine To Machine Communication



Part Numbering Guide

S AT OA 84A84A14G CM B1

- **S** — SUNTSU
- **AT** — ANTENNA
- **OA** — OUTDOOR ANTENNA
- **84A84A14G** — PACKAGE SIZE*: 84A84A14G = 84.0mm x 84.0mm x 14.6mm
- **CM** — APPLICATION: CM = Combo
- **B1** — FREQUENCY: B1 = 1575.42MHz, 824-960MHz, 1710-2170MHz, 2400-2483.5MHz

RoHS COMPLIANT

* Where letters denote decimal location (A=.0, B=.1, C=.2, etc.); e.g. B5=0.15, 3A5=3.05, 9A=9.0

Electrical Parameters (GPS)	Units	Minimum	Typical	Maximum	Remarks
Frequency Band	MHz		1575.42		
Impedance	Ω		50		
Polarization			RHCP		
Peak Gain	dBi		2		For Dielectric Antenna
VSWR				1.5	For Dielectric Antenna
Peak Gain	dBi		28		For LNA Antenna
VSWR				2	For LNA Antenna
Operating Temperature	°C	-40		85	

Electrical Parameters (GSM)	Units	Minimum	Typical	Maximum	Remarks
Frequency Band	MHz	824		960	
Impedance	Ω		50		
Polarization			Linear		
Peak Gain	dBi		2		At Center Frequency
VSWR				2	At Center Frequency
Operating Temperature	C	-40		85	
Frequency Band	MHz	1710		2170	
Impedance	Ω		50		
Polarization			Linear		
Peak Gain	dBi		2		At Center Frequency
VSWR				2	At Center Frequency
Operating Temperature	°C	-40		85	

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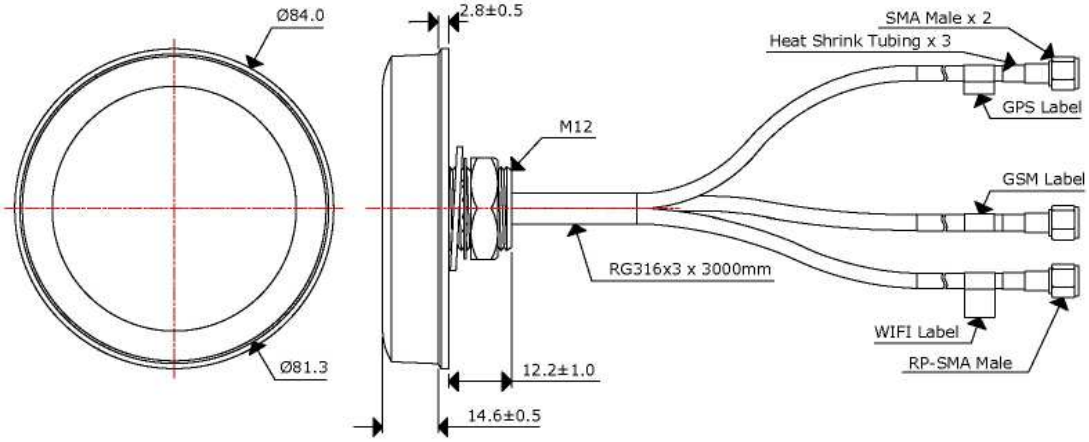
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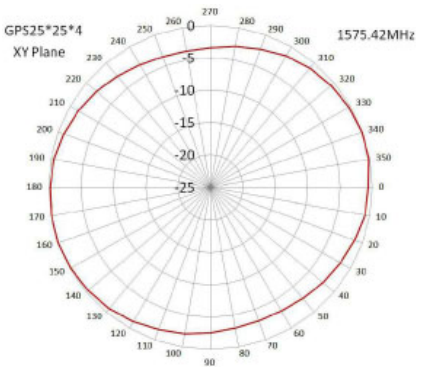
Electrical Parameters (WiFi)	Units	Minimum	Typical	Maximum	Remarks
Frequency Band	MHz	2400		2483.5	
Impedance	Ω		50		
Polarization			Linear		
Peak Gain	dBi		3		At Center Frequency
VSWR				2	At Center Frequency
Operating Temperature	°C	-40		85	

Outline Drawing

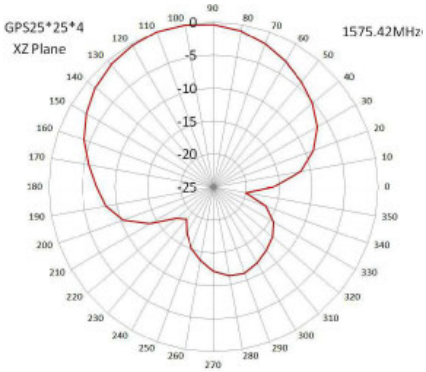
All dimensions are in millimeters (mm) unless otherwise noted. Drawings are not to scale.



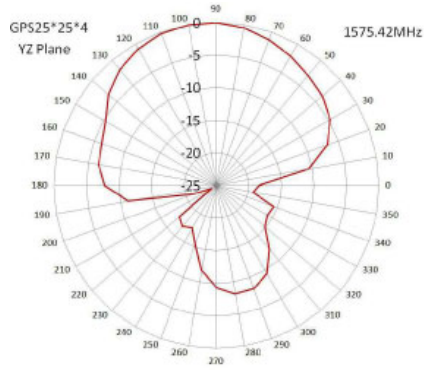
Radiation Pattern (GPS XY)



Radiation Pattern (GPS XZ)



Radiation Pattern (GPS YZ)



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Specifications are subject to change without notice.

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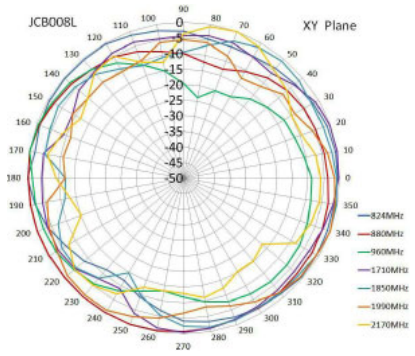
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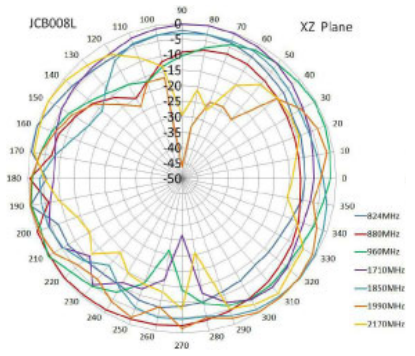
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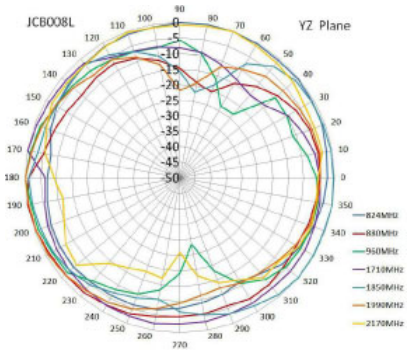
Radiation Pattern (GSM XY)



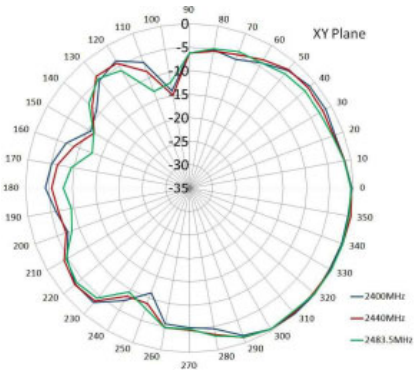
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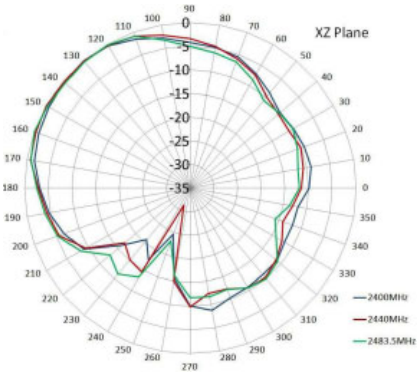
Radiation Pattern (GSM YZ)



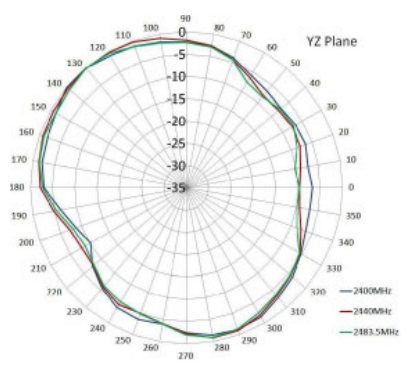
Radiation Pattern (WiFi XY)



Radiation Pattern (WiFi XZ)



Radiation Pattern (WiFi YZ)



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