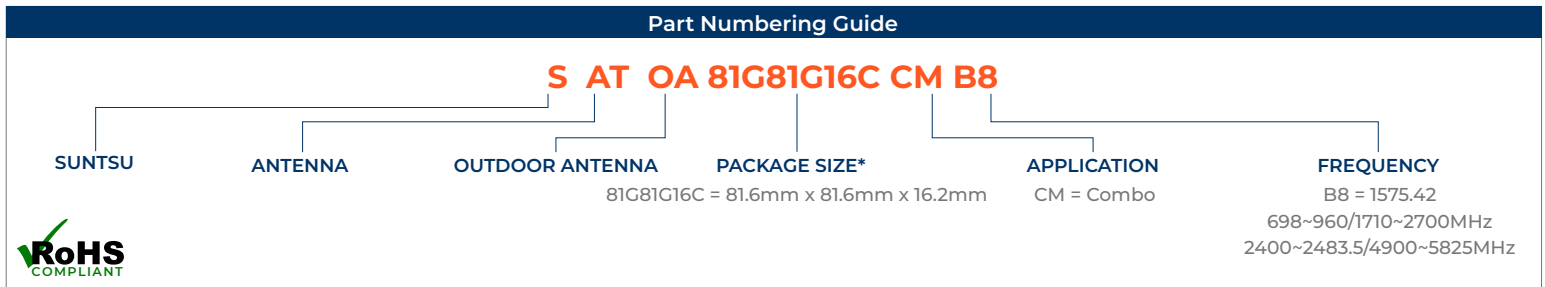


Features
<ul style="list-style-type: none"> • GPS, WiFi & LTE • Outdoor Antenna • 50 Ohm Impedance • Stable And Reliable Performance • 1575.42, 698~960/1710~2700MHz, 2400~2483.5/4900~5825MHz

Applications
<ul style="list-style-type: none"> • Vehicle Tracking • Asset Tracking • GPS Navigation • Machine To Machine Communication



Electrical Parameters (GPS)	Units	Minimum	Typical	Maximum	Remarks
Frequency Band	MHz	1570.42	1575.42	1580.42	±3MHz
Impedance	Ω		50		
Polarization			RHCP		
Axial Ratio	dB			3	For Dielectric Antenna
Peak Gain	dBi		2		For Dielectric Antenna
VSWR				1.5	For Dielectric Antenna
Peak Gain	dBi	26	28	30	For LNA Antenna
VSWR				2	For LNA Antenna
Noise Figure				1.5	For LNA Antenna
Supply Voltage	V DC	2.2		5	For LNA Antenna
Current Consumption	mA			15	For LNA Antenna

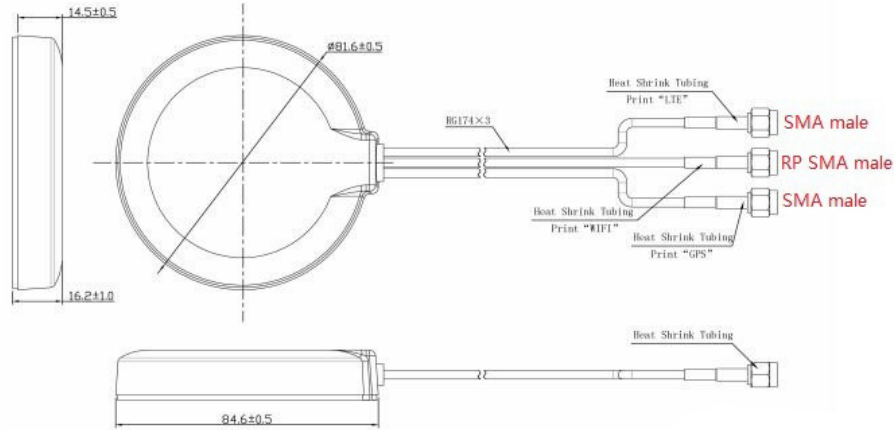
Electrical Parameters (LTE)	Units	Minimum	Typical	Maximum	Remarks
Frequency Band	MHz	698		960	
Frequency Band	MHz	1710		2700	
Impedance	Ω		50		
Polarization			Linear		
Peak Gain	dBi		2		At Center Frequency
VSWR				3	At Center Frequency

Electrical Parameters (WiFi)	Units	Minimum	Typical	Maximum	Remarks
Frequency Band	MHz	2400		2483.5	
Frequency Band	MHz	4900		5825	
Impedance	Ω		50		
Polarization			Linear		
Peak Gain	dBi		3		At Center Frequency
VSWR				2	At Center Frequency

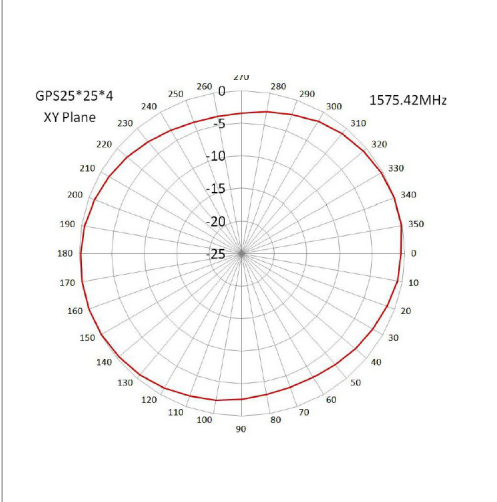
Environmental Specifications		Mechanical Specifications	
Operating Temperature	-40°C ~ 85°C	Cable	RG174
Relative Humidity	Up to 95%	Connector	SMA/FAKRA or Others
Ingress Protection	IP67	Material	ABS
Vibration	10 to 55Hz with 1.5mm amplitude 2 hours	Mounting Method	Adhesive/Magnet

Outline Drawing

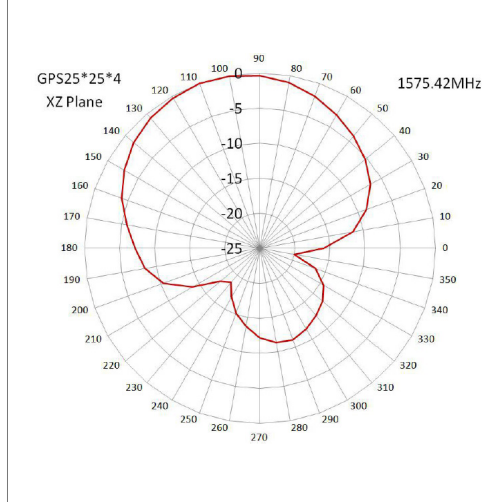
All dimensions are in millimeters (mm) unless otherwise noted. Drawings are not to scale.



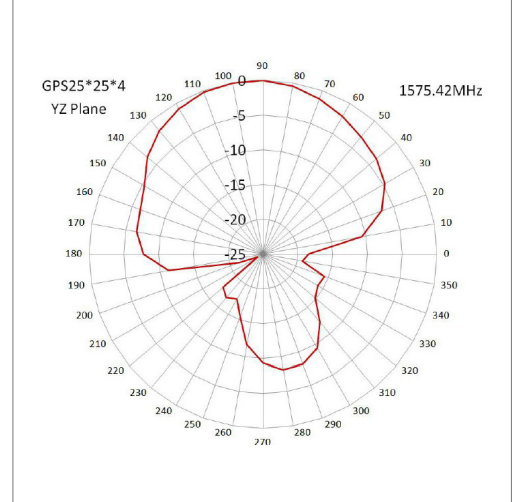
Radiation Pattern (GPS XY)



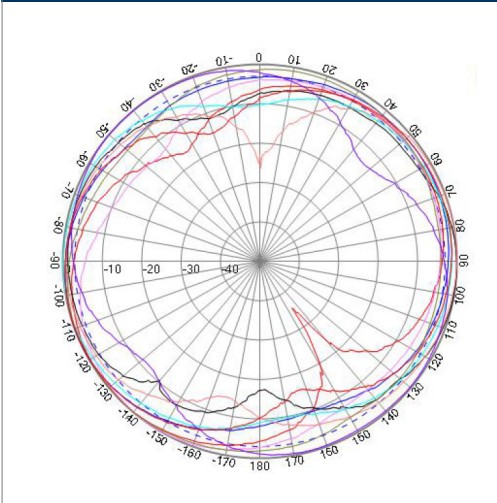
Radiation Pattern (GPS XZ)



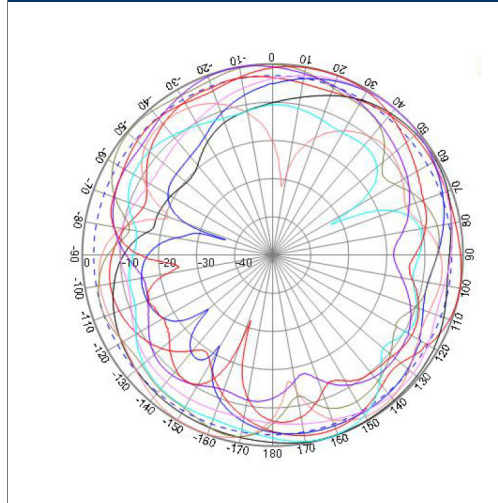
Radiation Pattern (GPS YZ)



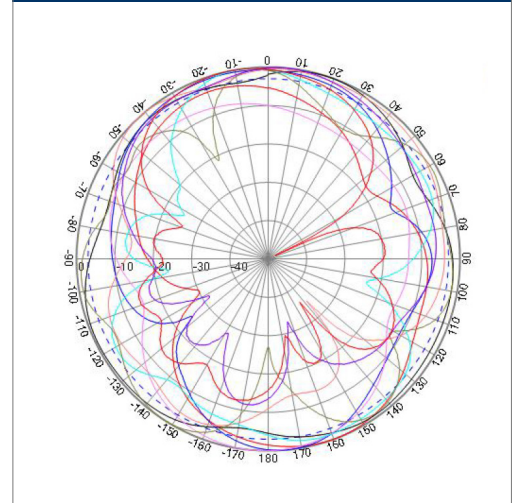
Radiation Pattern (LTE XY)



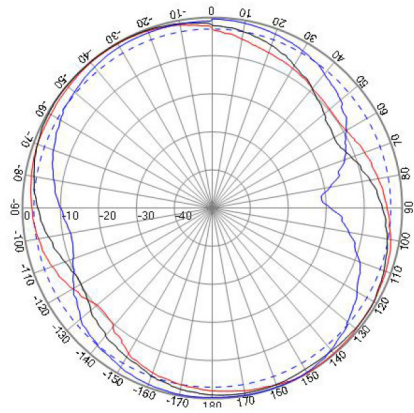
Radiation Pattern (LTE XZ)



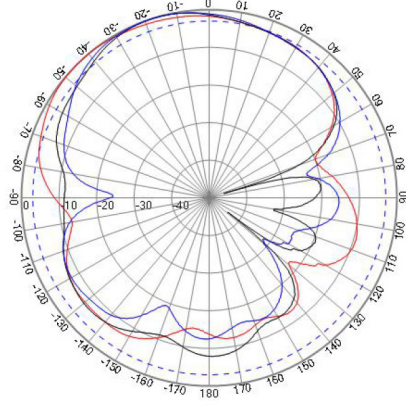
Radiation Pattern (LTE YZ)



Radiation Pattern (WiFi XY)



Radiation Pattern (WiFi XZ)



Radiation Pattern (WiFi YZ)

