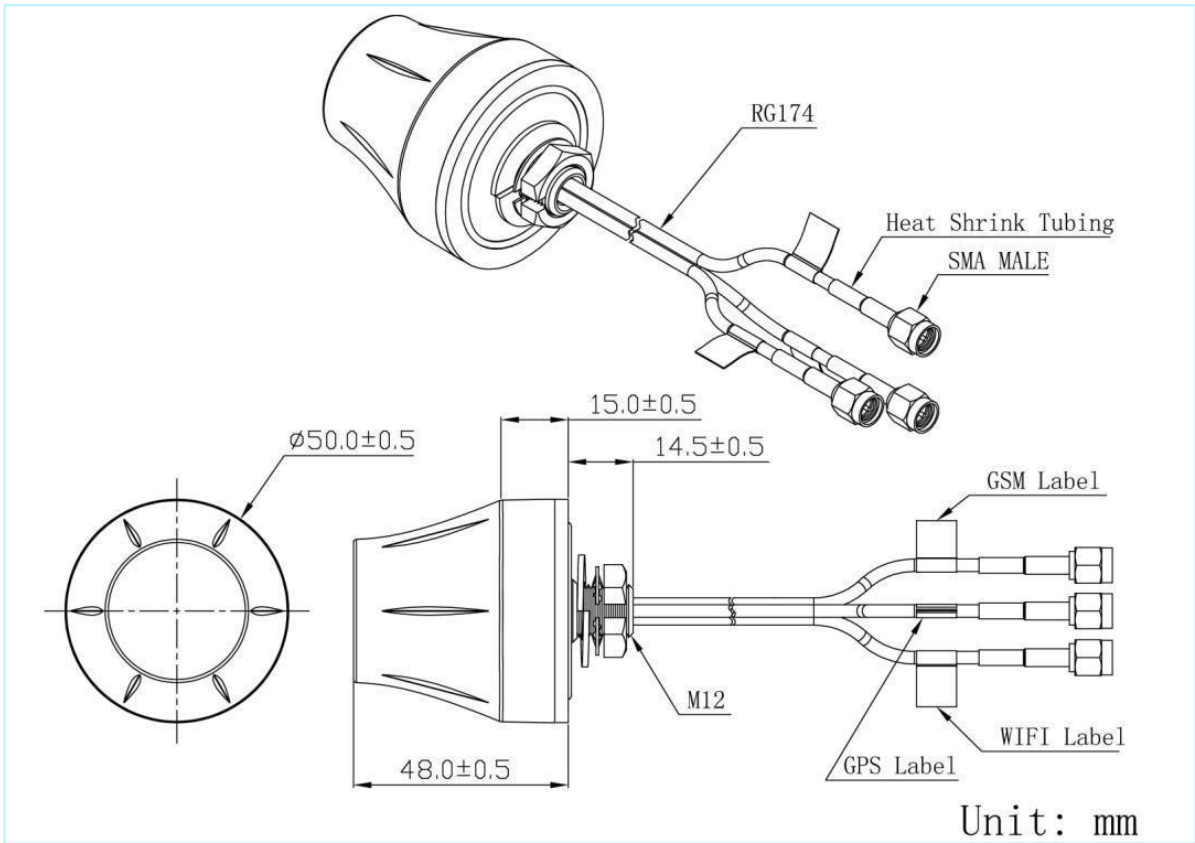


GPS+GSM+WIFI Combination Antenna Cylinder Shape

AN_GPS_GSM_WF_058



Mechanical dimension



GPS+GSM+WIFI Combination Antenna Cylinder Shape

Specifications

Item		Specifications	
GPS Antenna	Dielectric Antenna	Center Frequency	1575.42±3MHz
		Band Width	CF±5MHz
		Polarization	RHCP
		Gain	2dBic (Zenith)
		V.S.W.R	<1.5
		Impedance	50Ω
	LNA	Gain	28±2dB
		Noise Figure	<1.5dB
		V.S.W.R	<2.0
		Supply Voltage	2.2~5V DC
	Current Consumption	<15mA	
GSM Antenna		Frequency Range	824~960MHz/1710~2170MHz
		V.S.W.R	<2.0
		Polarization	Linear
		Gain	2.0dBi
		Impedance	50Ω
WIFI Antenna		Frequency Range	2400~2483.5MHz
		Band Width	83.5MHz
		Polarization	Linear
		Gain	3dBi
		V.S.W.R	<2.0
		Impedance	50Ω
Mechanical		Cable	RG174
		Connector	SMA/MCX/FAKRA or others
		Material	ABS
		Mounting Method	Screw

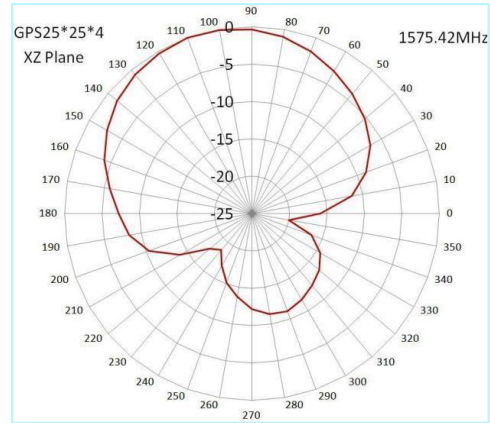
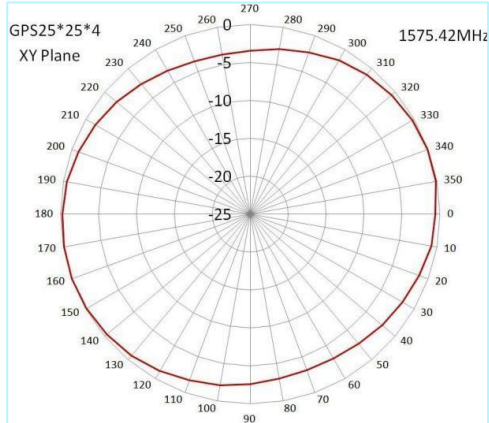
GPS+GSM+WIFI Combination Antenna Cylinder Shape

Specifications

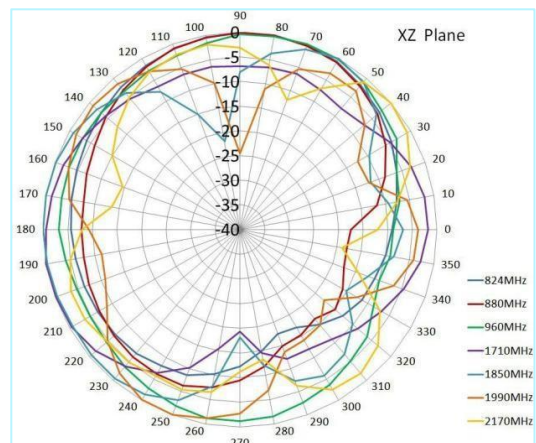
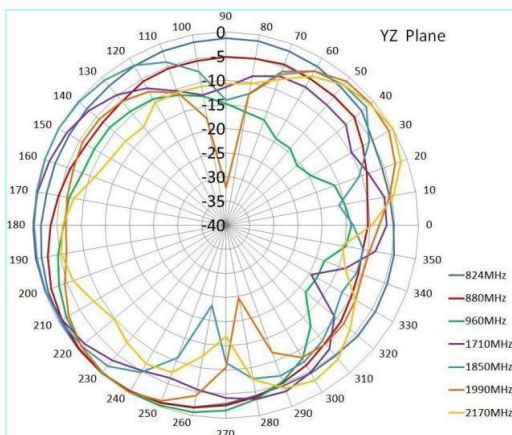
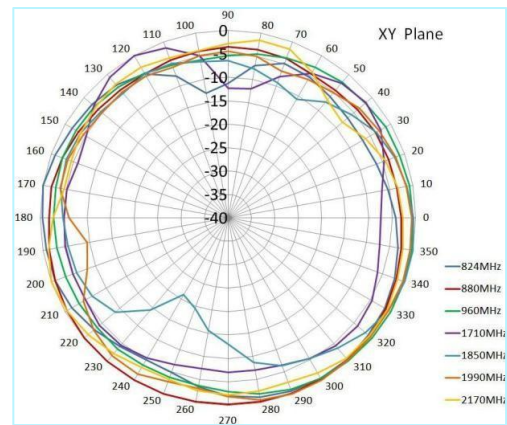
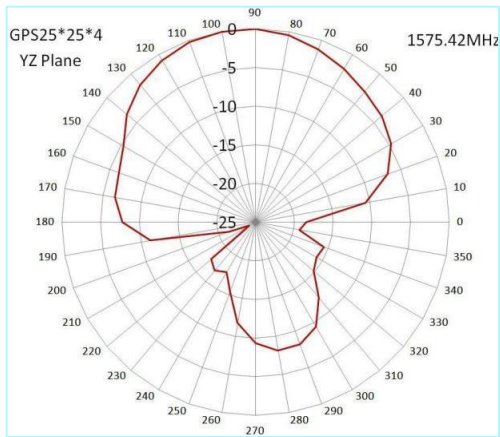
Environmental	Operating Temperature	-40°C~+85°C
	Relative Humidity	Up to 95%
	Ingress Protection	IP66(exclude cable outlet)
	Vibration	10 to 55Hz with 1.5mm amplitude 2hours
	Environmentally Friendly	ROHS Compliant

GPS+GSM+WIFI Combination Antenna Cylinder Shape Radiation Patterns

GPS part Pattern



GSM Part Pattern



GPS+GSM+WIFI Combination Antenna Cylinder Shape Radiation Patterns

WIFI part Pattern

