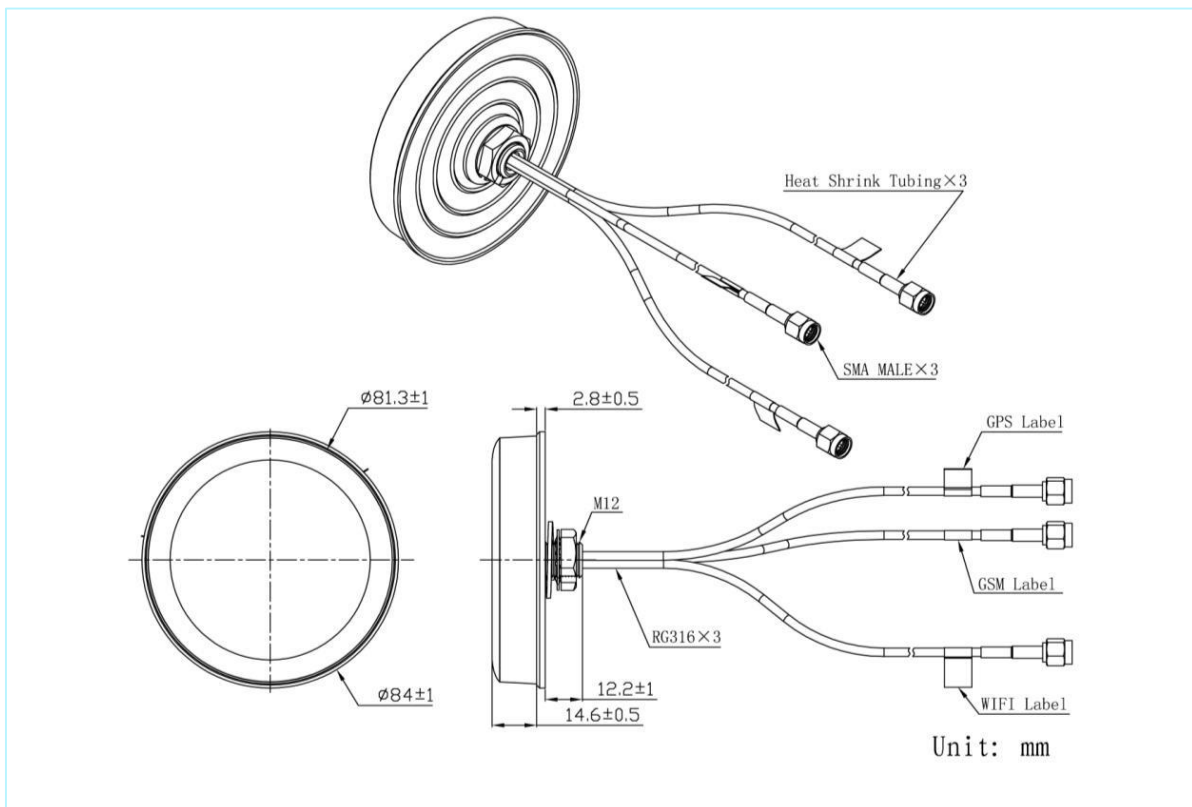


GPS+GSM+WIFI Combination Antenna circular shape

AN_GPS_GSM_WF_046



Mechanical dimension



GPS+GSM+WIFI Combination Antenna circular 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	5 meters	
	Connector	SMA male for GPS,SMA male for GSM,RP-SMA plug for WiFi	
	Material	ABS	
	Mounting Method	Screw	

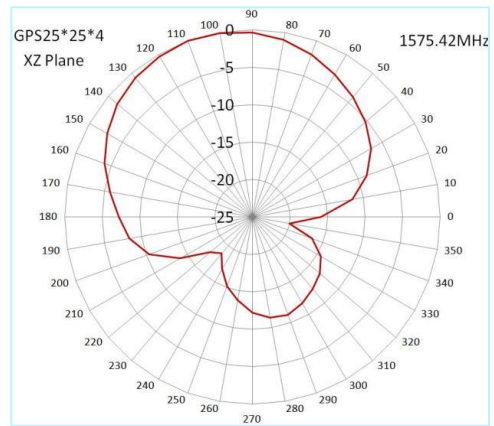
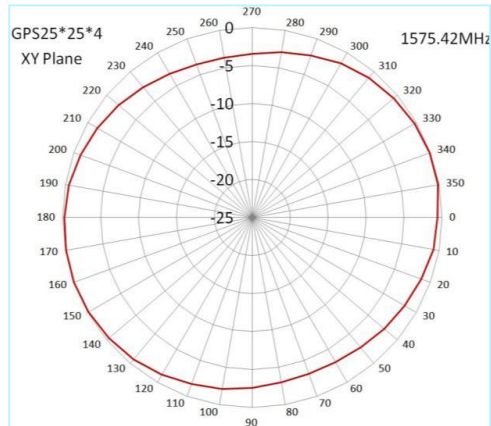
GPS+GSM+WIFI Combination Antenna circular shape Specifications

Environmental	Operating Temperature	-40°C ~ +85°C
	Relative Humidity	Up to 95%
	Ingress Protection	IP65~IP66(exclude cable outlet)
	Vibration	10 to 55Hz with 1.5mm amplitude 2hours
	Environmentally Friendly	ROHS Compliant

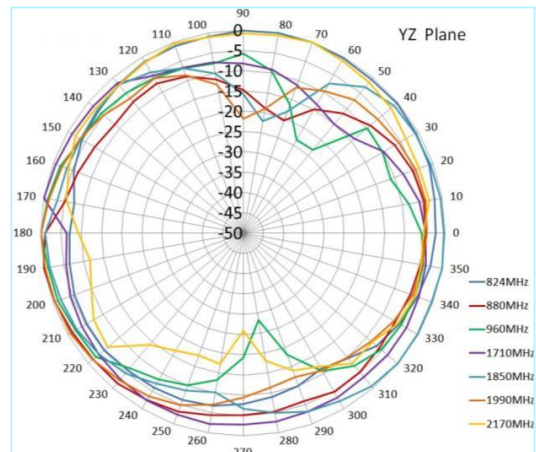
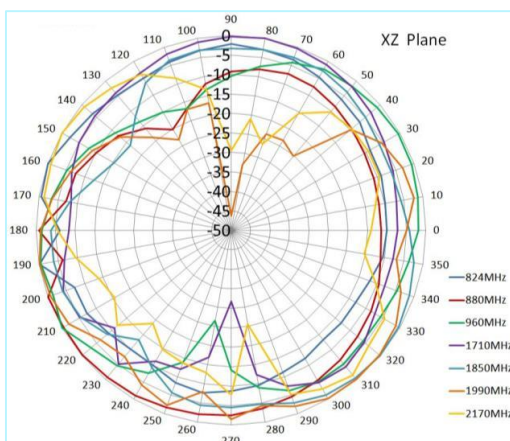
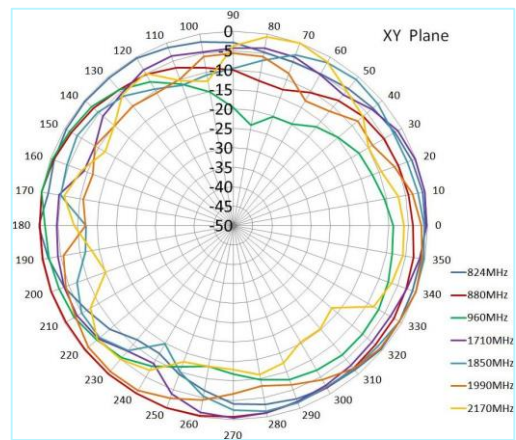
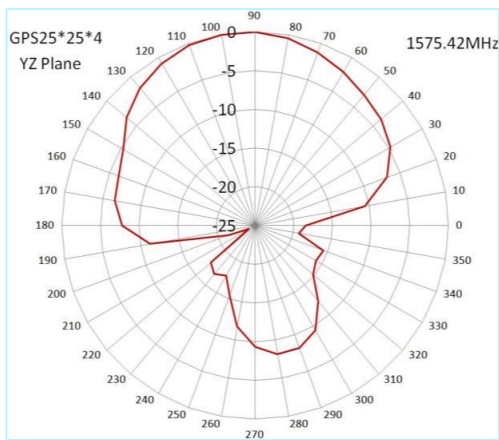
GPS+GSM+WIFI Combination Antenna circular shape

Radiation Patterns

GPS part Pattern



GSM Part Pattern



GPS+GSM+WIFI Combination Antenna circular shape Radiation Patterns

WIFI part Pattern

