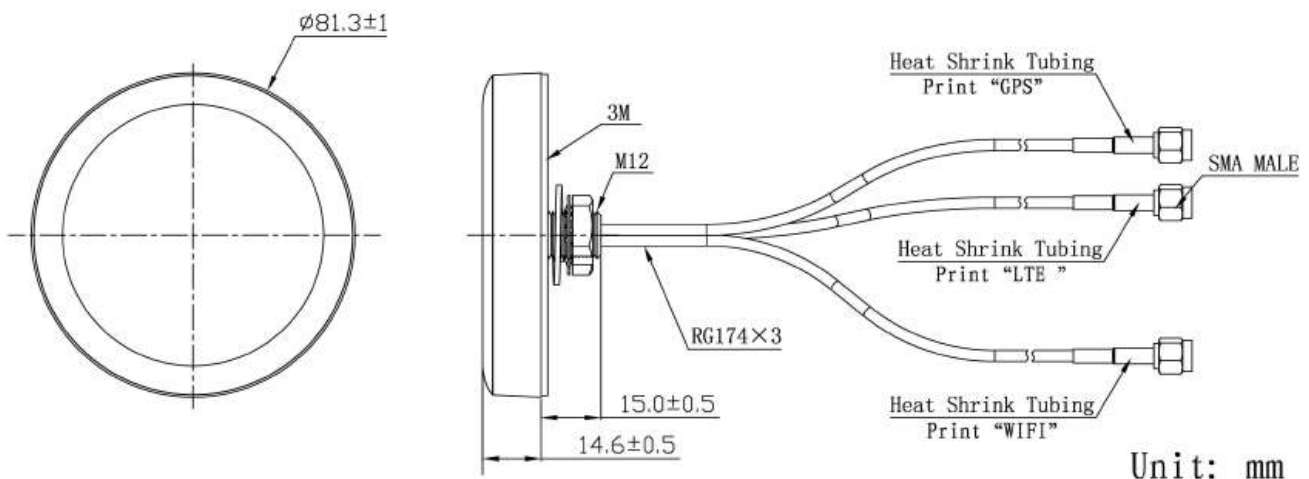


GPS+4G+WIFI Combination Antenna circular shape

AN_GPS_GSM_WF_046.2



Mechanical dimension



GPS+4G+WIFI Combination Antenna circular shape

Specifications

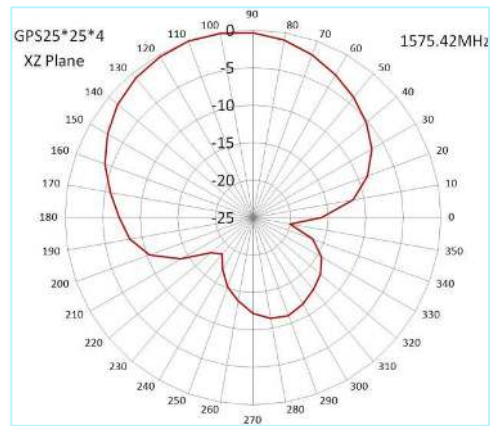
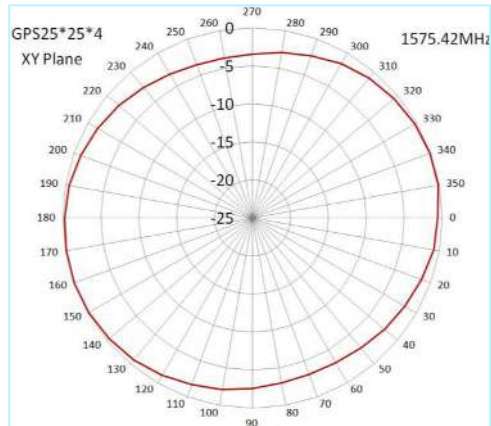
Item		Specifications	
GPS Antenna	Dielectric Antenna	Center Frequency	1575.42±3MHz
		Band Width	CF±5MHz
		Polarization	RHCP
		Gain	2dBic (Zenith)
		V.S.W.R	<1.5
		Impedance	50Ω
		Axial Ratio	3dB (max)
	LNA	Gain	28±2dB
		Noise Figure	<1.5dB
		V.S.W.R	<2.0
		Supply Voltage	2.2~5V DC
	Current Consumption	<15mA	
GSM Antenna	Frequency Range	698~960MHz/1710~2690MHz	
	V.S.W.R	<2.0	
	Polarization	Linear	
	Gain	2.0dBi	
	Impedance	50Ω	
WIFI Antenna	Frequency Range	2400~2483.5MHz/4900~5825MHz	
	Band Width	83.5MHz/925MHz	
	Polarization	Linear	
	Gain	3dBi	
	V.S.W.R	<2.0	
	Impedance	50Ω	
Mechanical	Cable	RG174	
	Connector	4G/GPS: SMA Male WiFi: RP SMA Plug	
	Material	ABS	
	Mounting Method	Screw	

GPS+4G+WIFI Combination Antenna circular shape Specifications

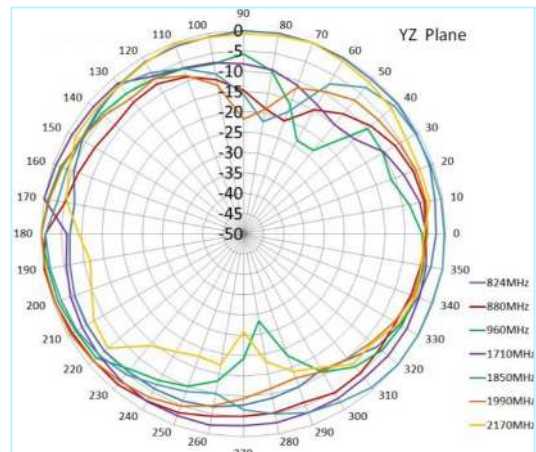
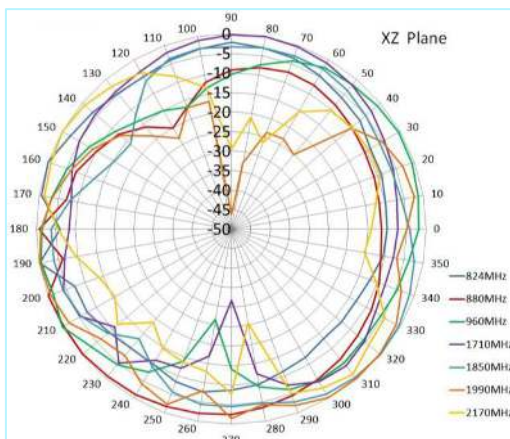
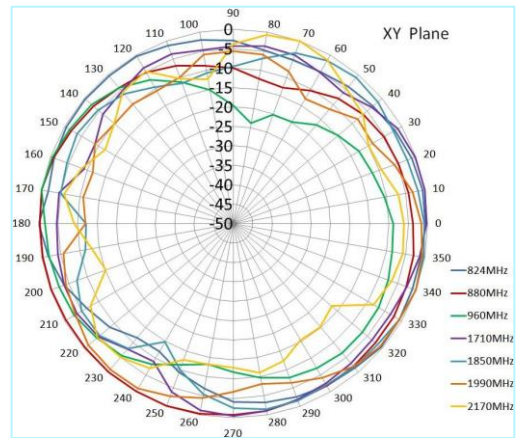
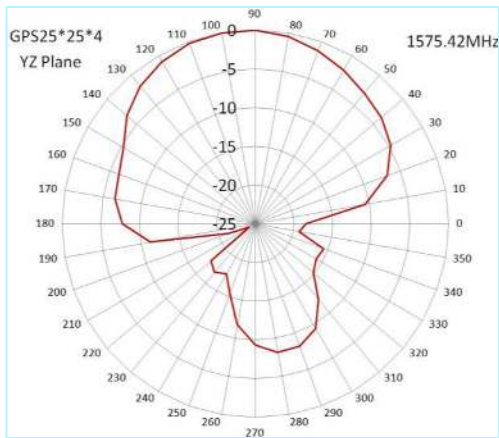
Environmental	Operating Temperature	-40°C ~+85°C
	Relative Humidity	Up to 95%
	Ingress Protection	IP65~IP66(exclude cable outlet)
	Vibration	10 to 55Hz with 1.5mm amplitude 2hours
	Environmentally Friendly	ROHS Compliant

GPS+4G+WIFI Combination Antenna circular shape Radiation Patterns

GPS part Pattern



GSM Part Pattern



GPS+4G+WIFI Combination Antenna circular shape Radiation Patterns

WIFI part Pattern

