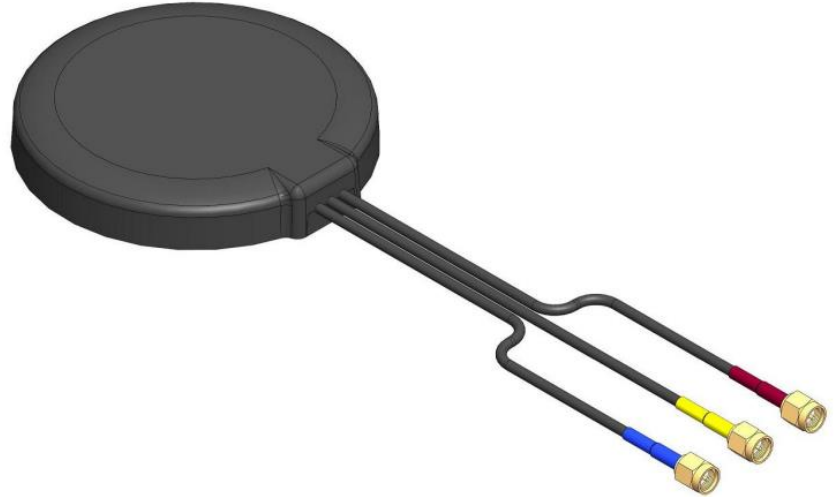


External 3 in 1 Antenna

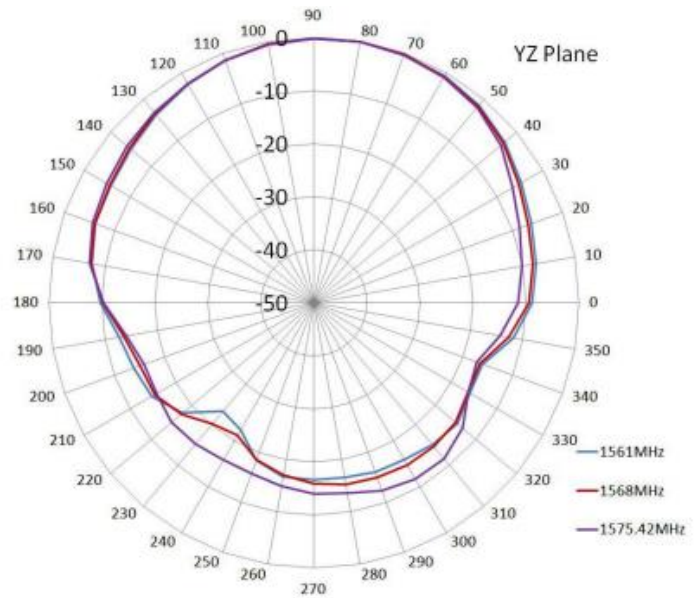
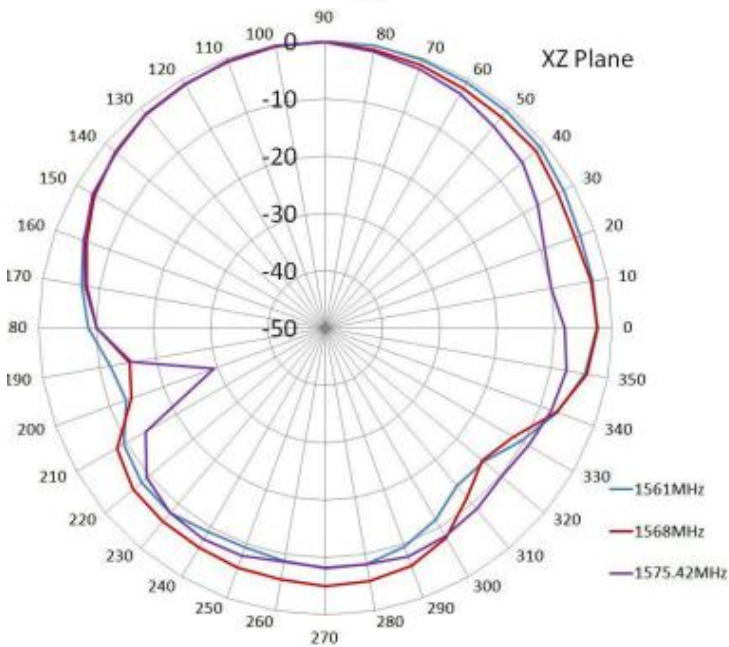
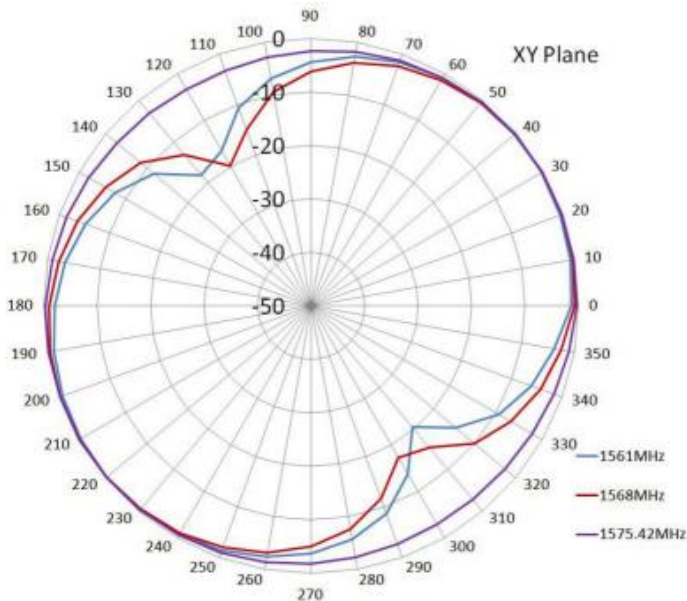
- 3 ports in the same housing
- Technology: LTE 2*2 MIMO, GPS L1/BD B1
- High gain GNSS antenna (LNA Integrated)
- Magnet and Adhesive mounting options
- Applications in smart city, small cell, repeater, CPE, Wireless networking etc.



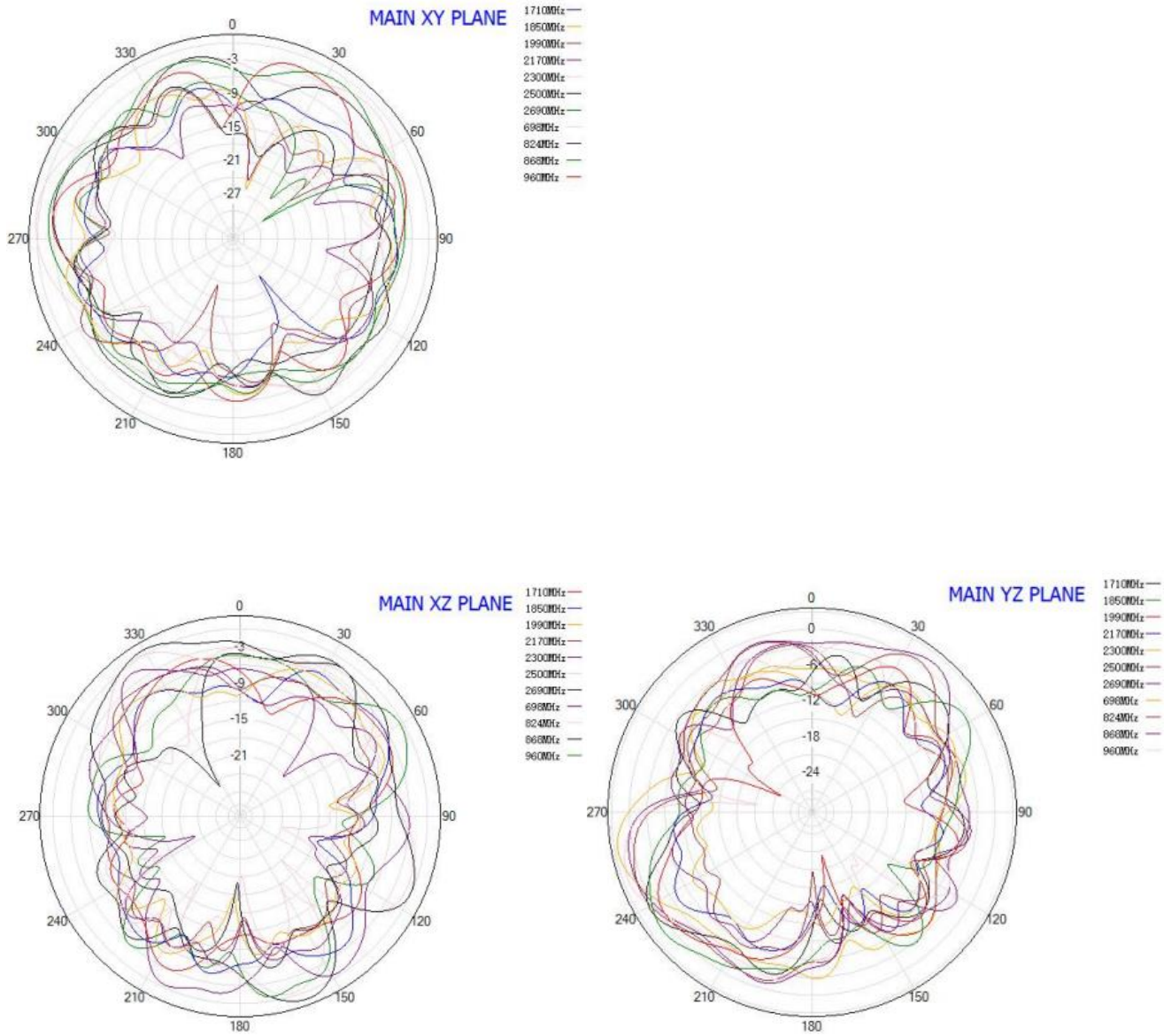
Item	Performance Specifications
GNSS Antenna Frequency range	1561~1575MHz
GNSS Antenna Polarization	RHCP
GNSS Antenna Gain	2dBic (Zenith)
GNSS Antenna V.S.W.R	<1.5
GNSS Antenna Impedance	50 Ω
GNSS Antenna Axial Ratio	3dB (max)
LNA Gain	28±2dB
LNA Noise Figure	<1.5dB
LNA V.S.W.R	<2.0
LNA Supply Voltage	3~5V DC
LNA Current Consumption	≤25mA@3.3V
LTE Main Antenna Frequency Range	698~960MHz/1710~2690MHz
LTE Main Antenna V.S.W.R	≤3.0
LTE Main Antenna Peak Gain	2.5dBi
LTE Aux Antenna Frequency Range	698~960MHz/1710~2690MHz
LTE Aux Antenna V.S.W.R	≤3.0
LTE Aux Antenna Peak Gain	2dBi
LTE Antenna Impedance	50 Ω
Isolation	<-15dB
Cable	RG174, fully customized
Connector	SMA, fully customized
Mounting Method	Adhesive, Magnet, fully customized
Operating Temperature	-40°C~+85°C
Relative Humidity	Up to 95%
Vibration	10 to 55Hz with 1.5mm amplitude 2 hours
Environmentally Friendly	ROHS compliant

Radiation Pattern

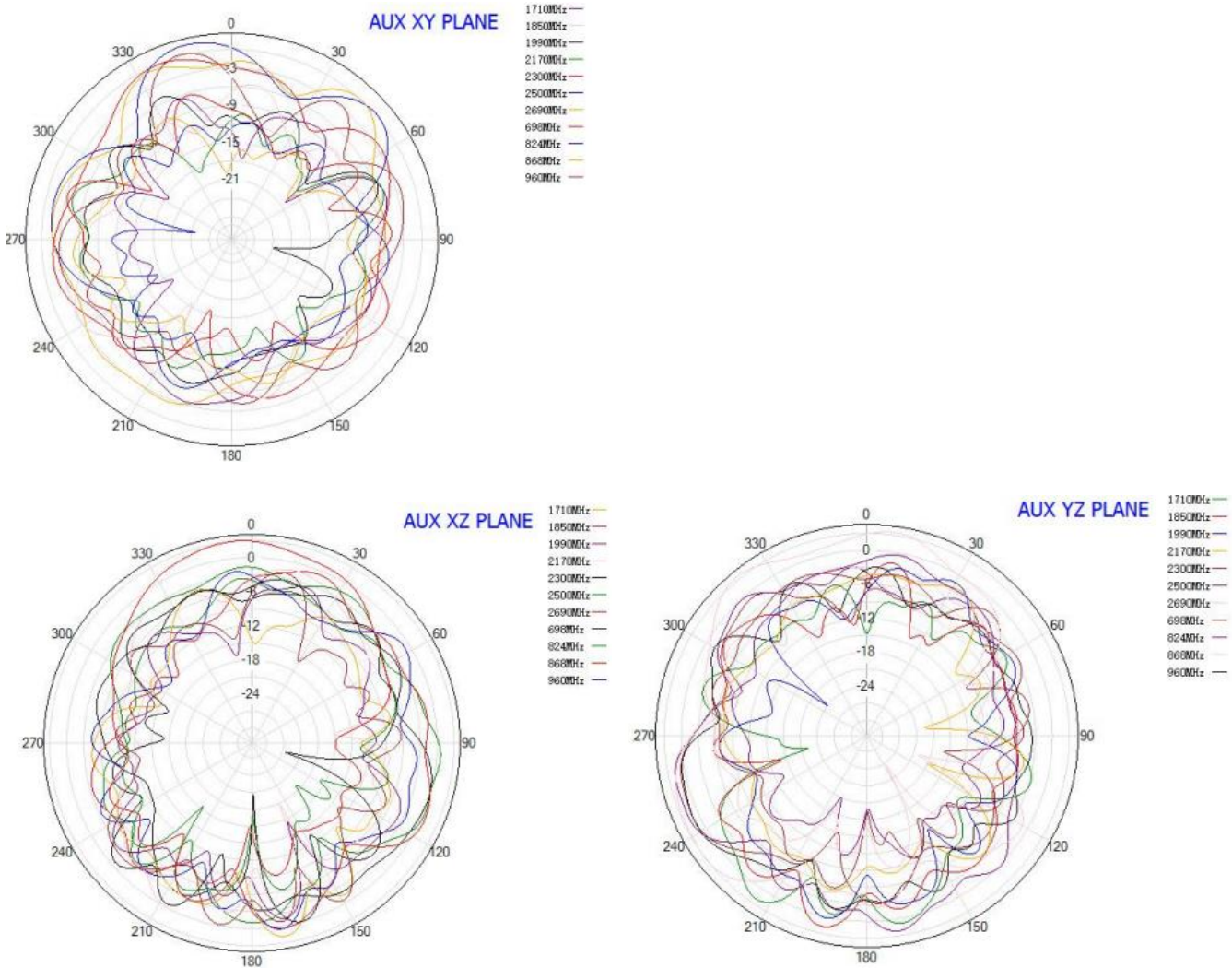
GNSS Antenna



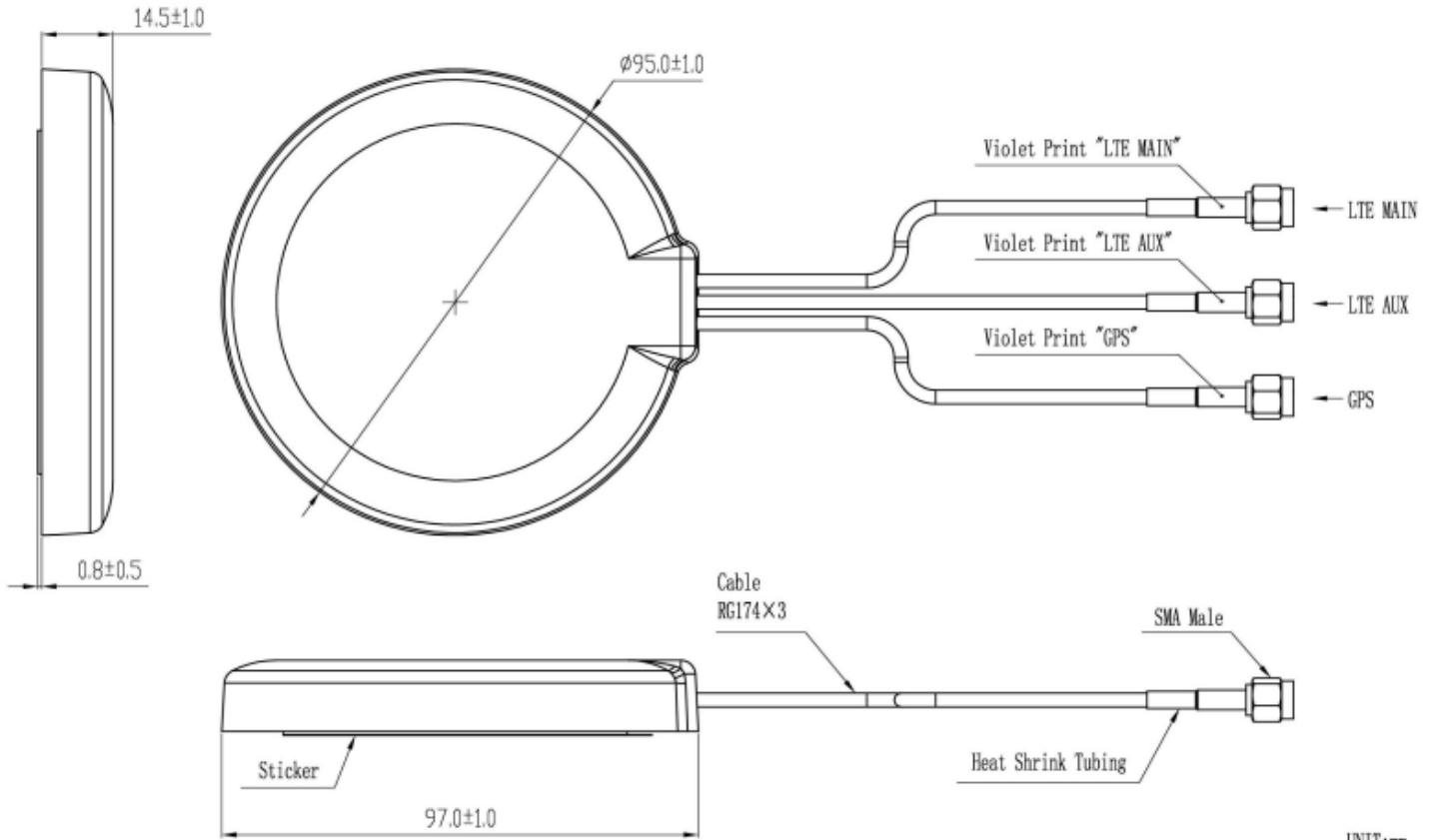
LTE Main Antenna



LTE Aux Antenna



Antenna Mechanical Drawing



UNIT:mm