

External 3 in 1 Antenna

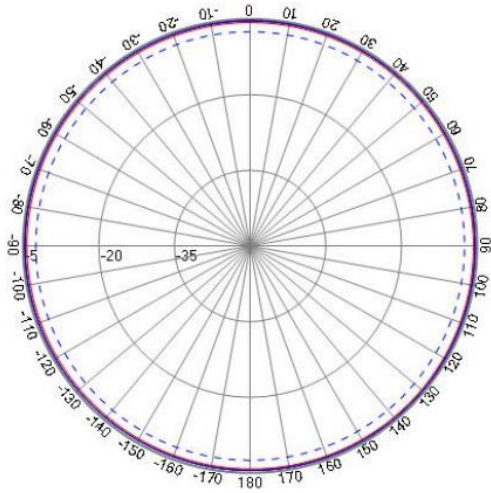
- 3 ports in the same housing
- Technology: LTE 2*2 MIMO, GPS L1/BD B1
- High gain GNSS antenna (LNA Integrated)
- Adhesive and magnet mounting options
- Applications in smart city, small cell, repeater, CPE, wireless networking etc.



Item	Performance Specifications
GNSS Antenna Frequency range	1561~1602MHz
GNSS Antenna Polarization	RHCP
GNSS Antenna Gain	5dBic (Zenith)
GNSS Antenna V.S.W.R	<1.5
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	<15mA
LTE Main Antenna Frequency Range	698~960MHz/1710~2690MHz
LTE Main Antenna V.S.W.R	<3.0
LTE Main Antenna Peak Gain	2.0dBi (Zenith)
LTE Main Antenna Polarization	Linear
LTE Main Antenna Impedance	50Ω
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%
Ingress Protection	IP65
Vibration	10 to 55Hz with 1.5mm amplitude 2 hours
Environmentally Friendly	ROHS compliant

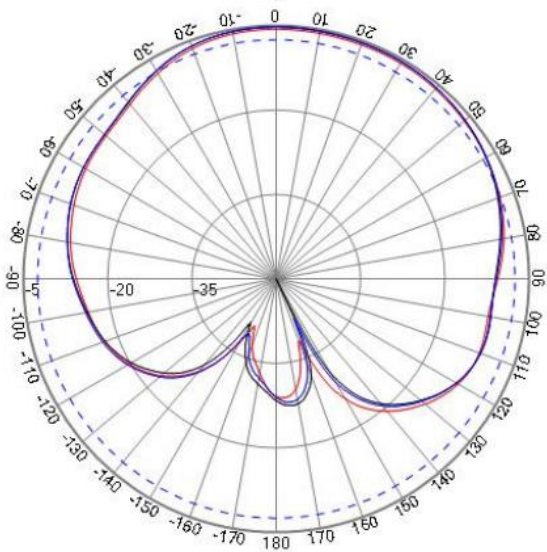
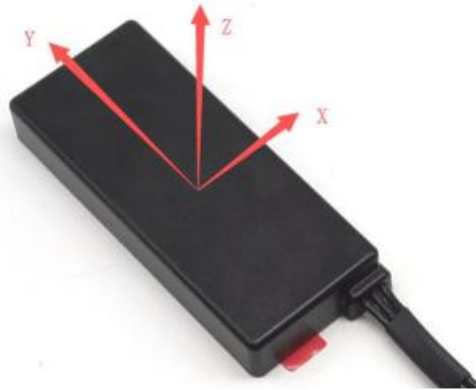
Radiation Pattern

GNSS Antenna



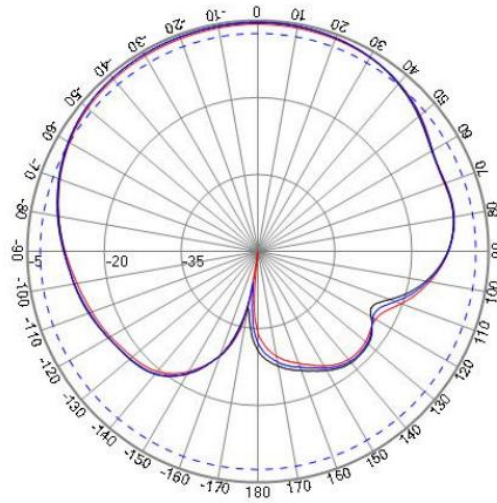
XY-PLANE

Freq: 1602
 Freq: 1561
 Freq: 1575



XZ-PLANE

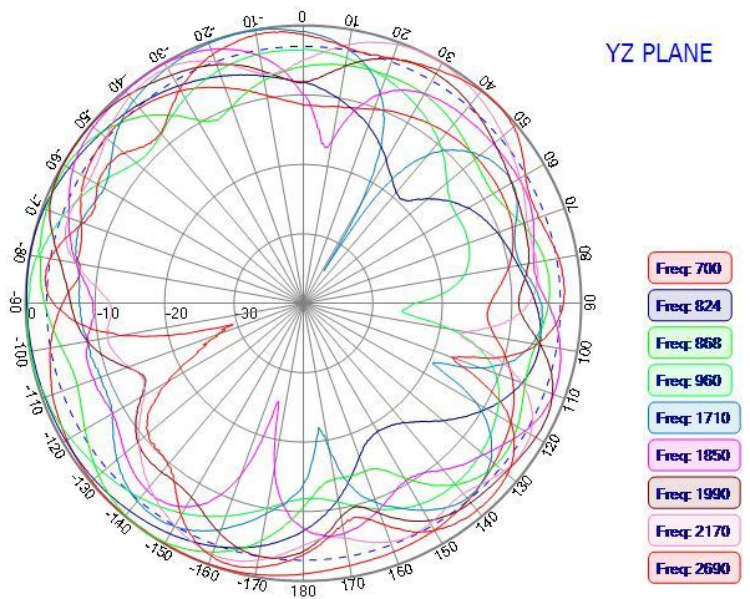
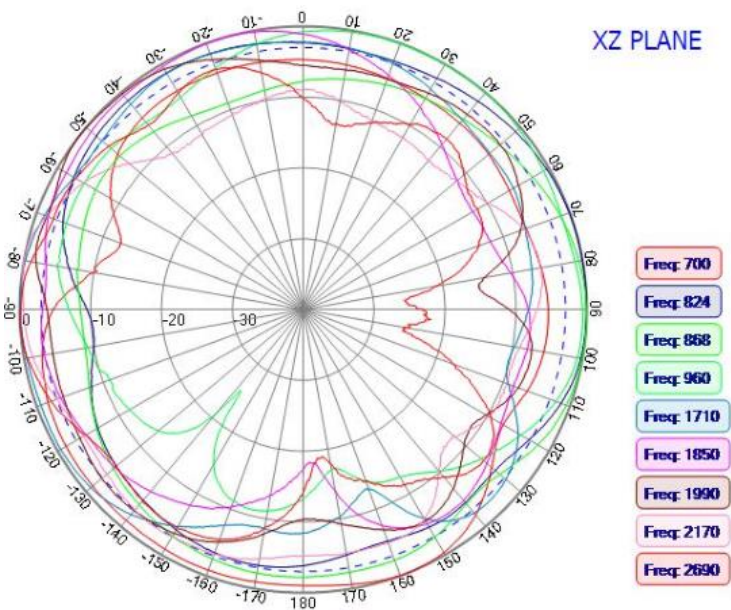
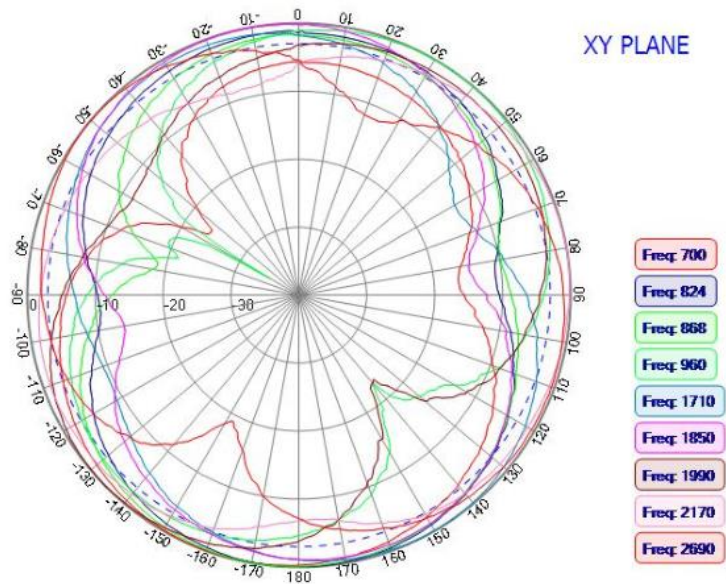
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 Freq: 1561
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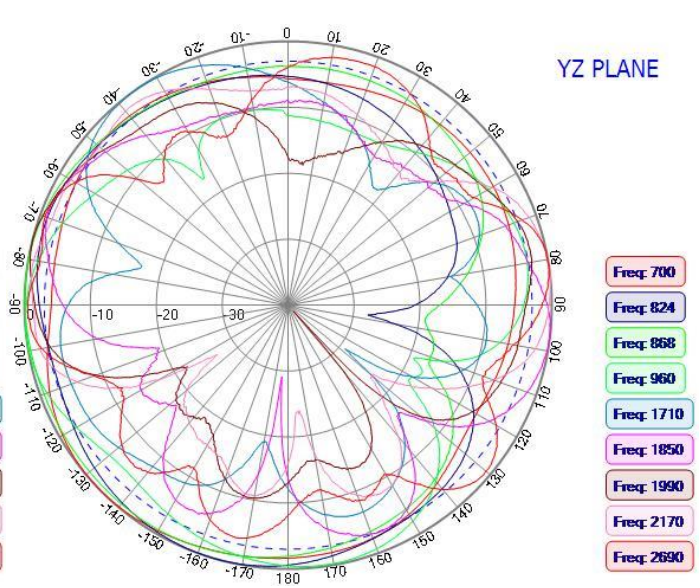
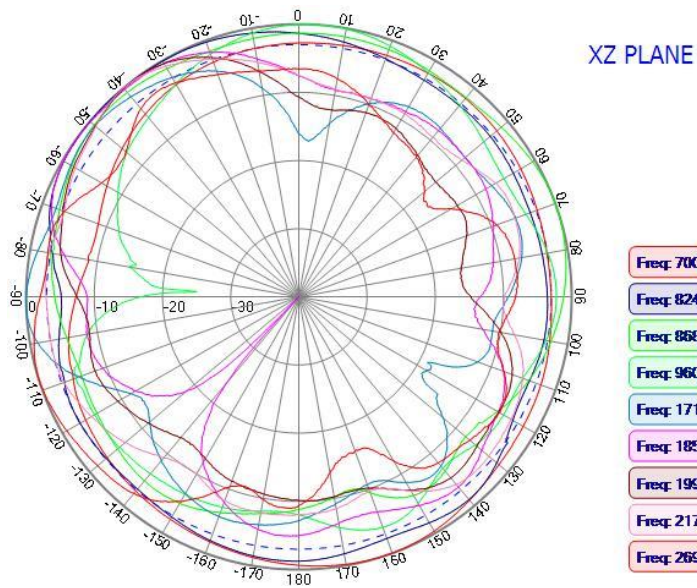
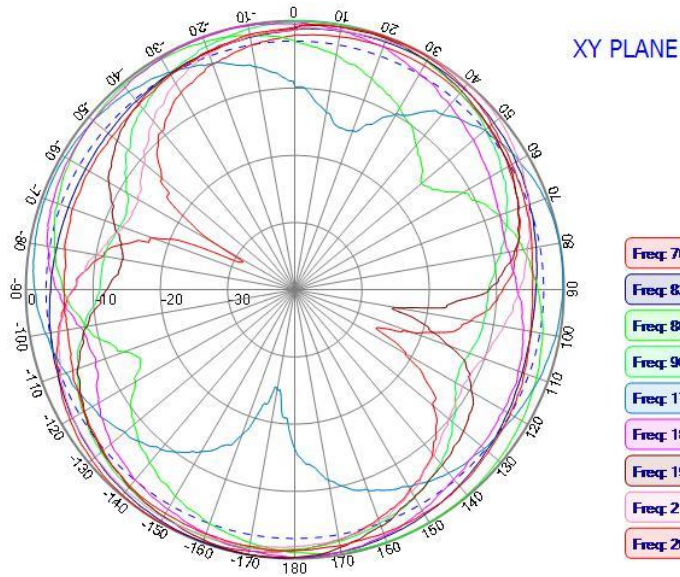
YZ-PLANE

Freq: 1602
 Freq: 1561
 Freq: 1575

LTE Main Antenna



LTE Aux Antenna



Antenna Mechanical Drawing

