



GNSS/LTE/WIFI MIMO Combo External Antenna

ATGGBLTEW81016-2.0BP

Datasheet

1. Product Information

1.1 Product Description

GNSS/LTE/WIFI 3 in 1 MIMO Combo External Antenna .

2. Part NO. : ATGGBLTEW81016-2.0BP

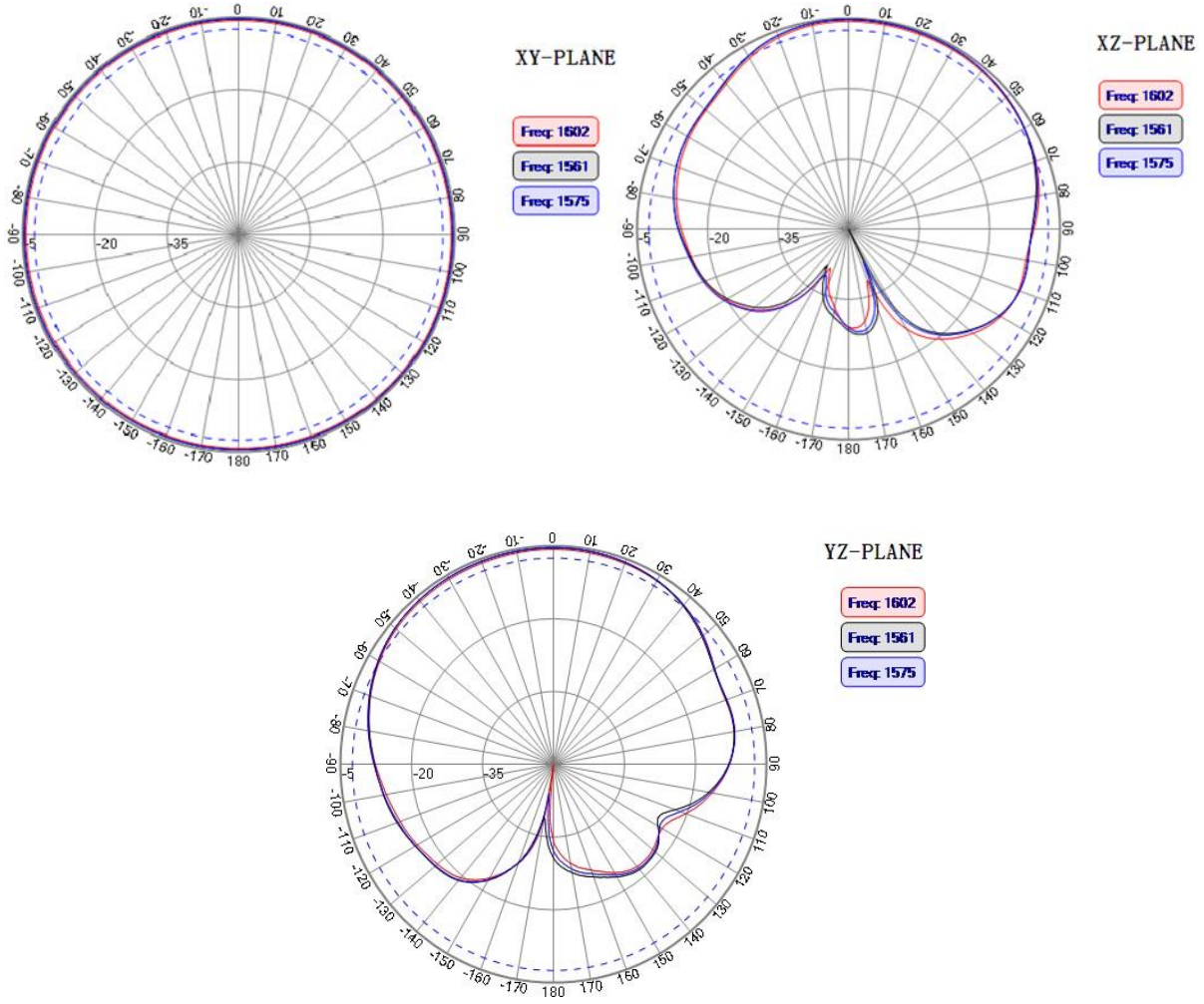
3. Overall Performance (Antenna Element & Cable)

Item		Specifications	
GNSS Antenna	Dielectric Antenna	Center Frequency	1561~1602MHz
		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	
LTE Antenna		Frequency Range	698~960MHz / 1710~2690MHz
		V.S.W.R	< 3.0
		Polarization	Linear
		Gain	2.0dBi
		Impedance	50Ω

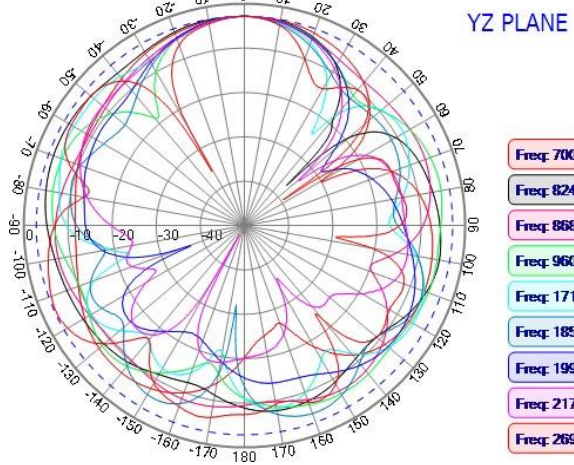
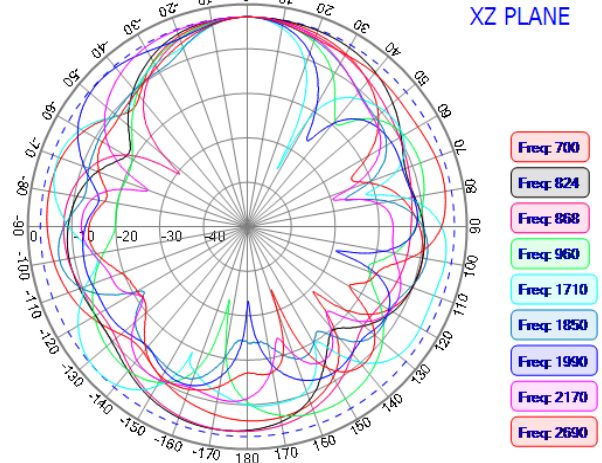
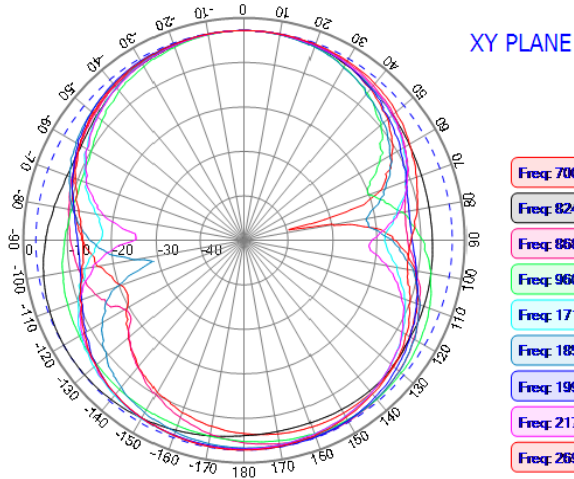
WIFI Antenna	Frequency Range	2400~2483.5MHz / 4900~5825MHz
	Polarization	Linear
	Gain	2dBi
	V.S.W.R	<2.5
	Impedance	50Ω
Mechanical	Cable	RG174
	Cable Length	3M ± 30mm
	Connector	SMA(M)
	Material	ABS
	Mounting Method	Screw
Environmental	Operating Temperature	-40°C~+85°C
	Relative Humidity	Up to 95%
	Ingress Protection	IP65~IP67 (exclude cable outlet)
	Vibration	10 to 55Hz with 1.5mm amplitude 2hours
	Environmentally Friendly	ROHS Compliant

4. Radiation Pattern

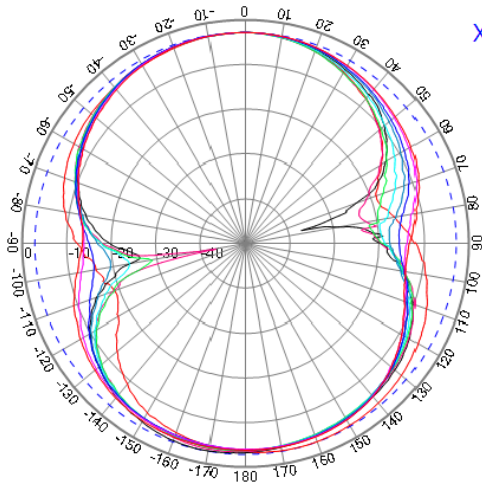
4.1 GNSS Antenna



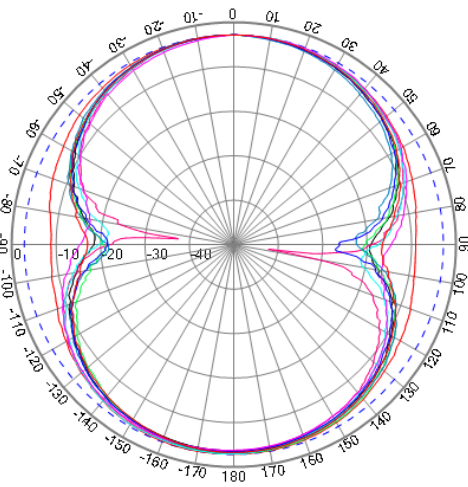
4.2 LTE Antenna



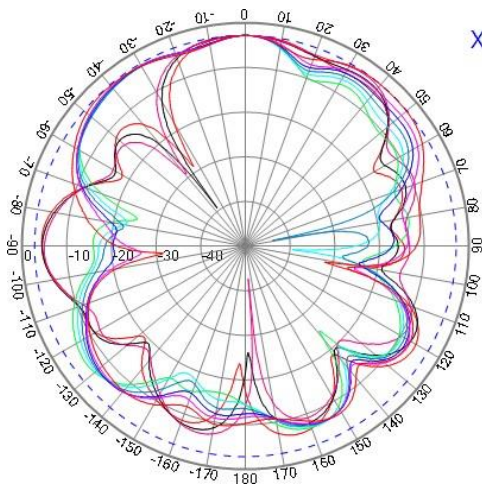
4.3 WIFI Antenna



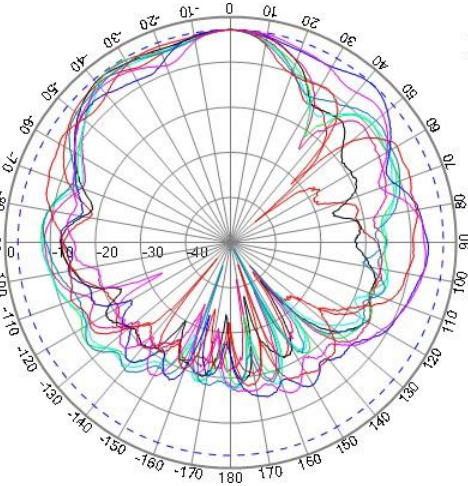
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- Freq: 2410
- Freq: 2420
- Freq: 2430
- Freq: 2440
- Freq: 2450
- Freq: 2460
- Freq: 2470
- Freq: 2483



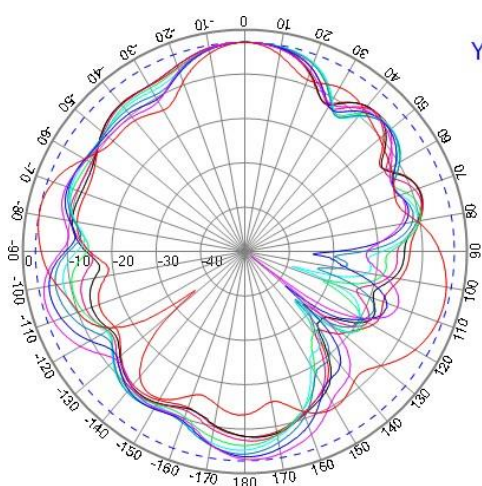
- Freq: 4900
- Freq: 5000
- Freq: 5100
- Freq: 5200
- Freq: 5300
- Freq: 5400
- Freq: 5500
- Freq: 5600
- Freq: 5800



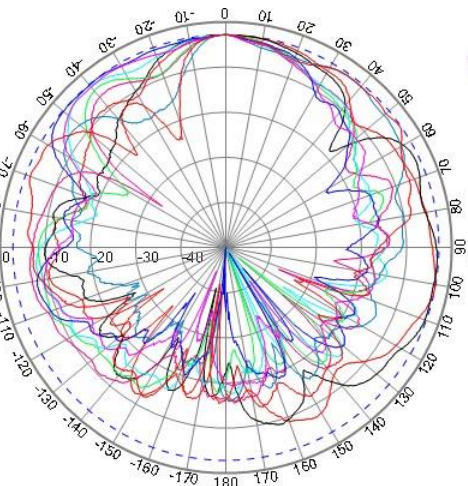
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- Freq: 2430
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5. Dimensions

