

Antenna Report



Mobile antenna test report

For FCC ID: YHLBLU8CW

Heyuan Xunwei Communication Technology Co., Ltd

RF:Wangxin feng

Date:2026.04.07

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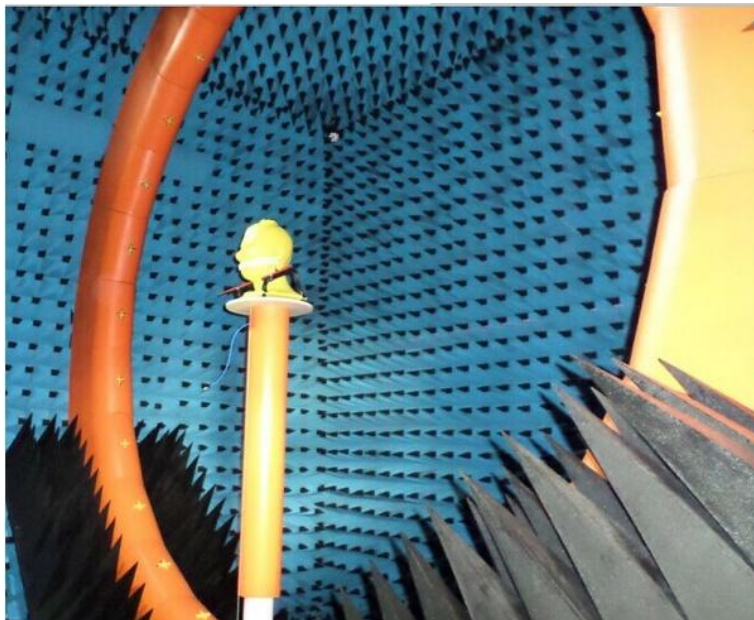
Xinxi Rd. W, Nanshan Dist., Shenzhen,

Test equipment

Wireless communications test set: CMW500

Network Analyzer: Agilent 5071B

Anechoic Chamber : SATIMO SG24

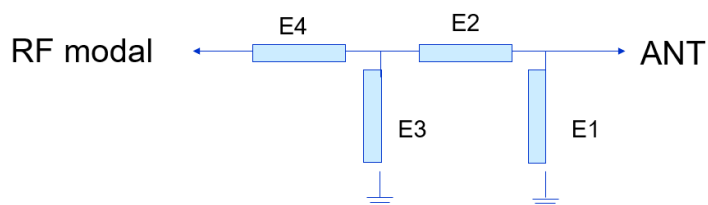


Antenna information

Customer	BLU Products, Inc.
Antenna model	FPC
Antenna type	PIFA
Antenna band	GSM 850/1900 WCDMA B2/B4/B5 LTE B2/B4/B5/B7/B12/B17/B66/B71

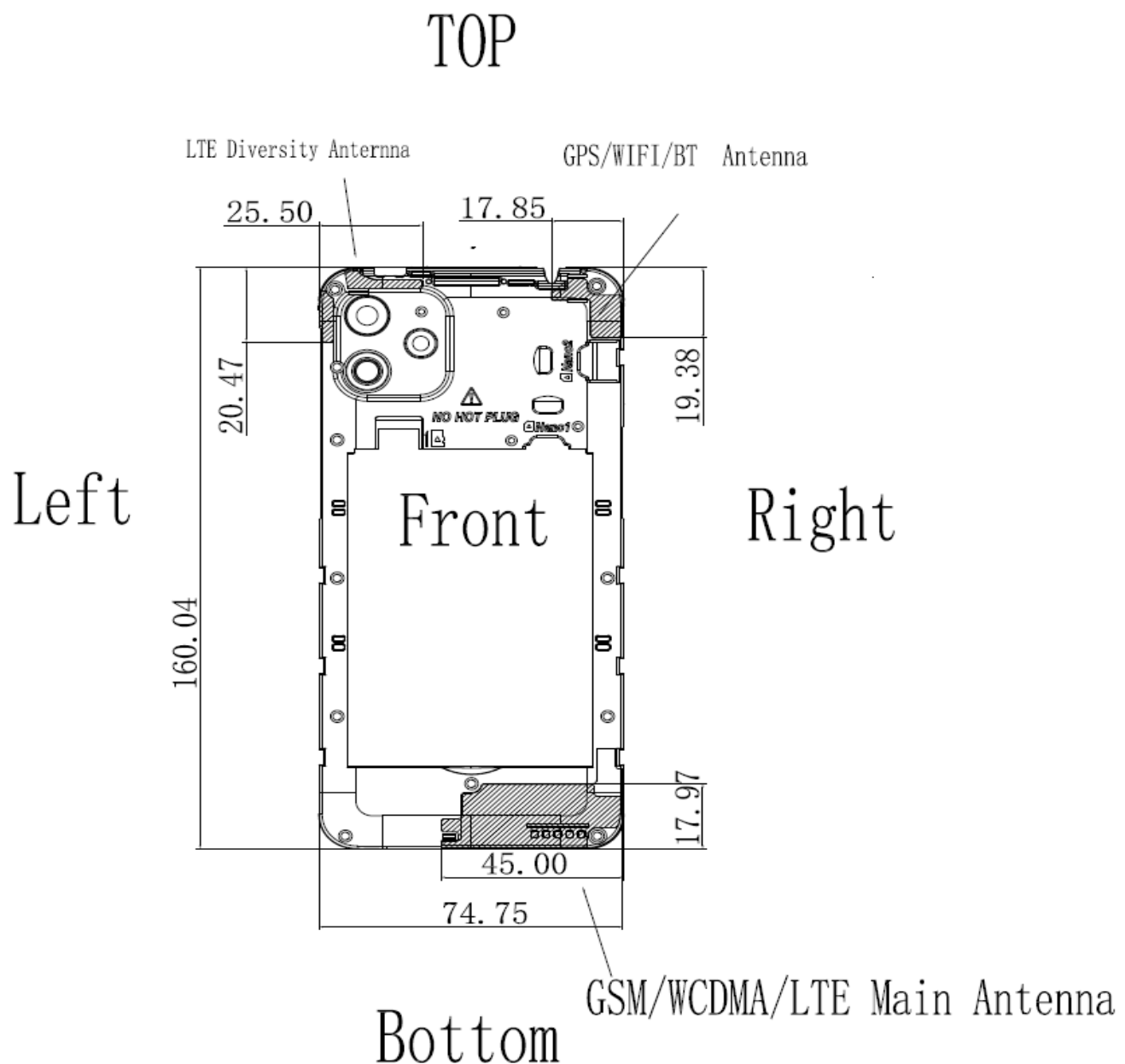
frequency range (MHz)	603–960	1710–2170	2500–2690
VSWR	<3.5	<3.5	<3.5

Matching circuit (No modification) :



Element	Value
E1	
E2	
E3	
E4	

Antenna Location



All of Implementation antenna

Main antenna (Antenna Label:A):

LTE B2/B4/B5/B7/B12/B17/B66/B71 RX&TX

WCDMA B2/B4/B5 RX&TX

GSM B2/B5 RX&TX

DIV antenna (Antenna Label:B):

LTE LTE B2/B4/B7/B66

WCDMA B2/B4 RX

GSM B2/B5 RX

WiFi/BT 2.4~2.5G/2412MHz~2472MHz& /GPS: 1575.42 MHz ;

Antenna Max. Peak Gain:

GSM850: -1.35dBi

PCS1900: -0.85dBi

WCDMA1900: -0.85dBi

WCDMA1700: -0.89dBi

WCDMA850: -1.35dBi

LTE-B2: -0.85dBi

LTE-B4: -0.89dBi

LTE-B5: -1.35dBi

LTE-B7: -1.09dBi

LTE-B12: -1.38dBi

LTE-B17: -1.38dBi

LTE-B66: -0.89dBi

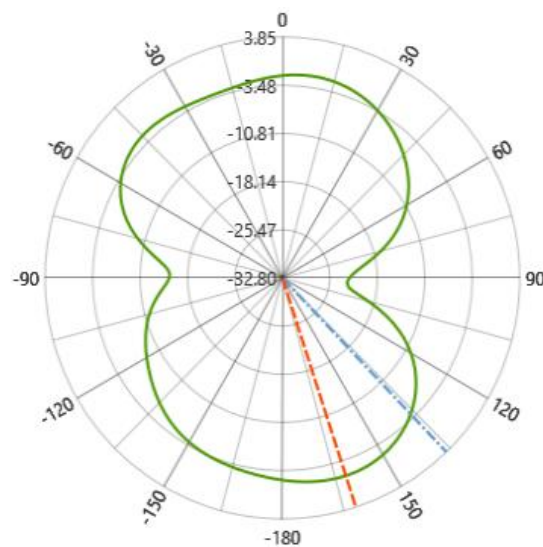
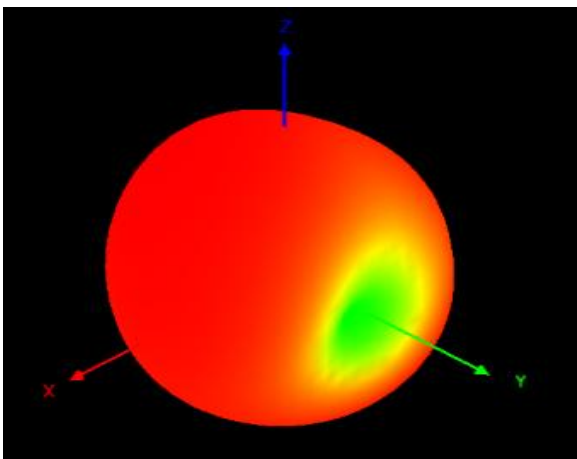
LTE-B71: -1.43dBi

WIFI (2.4G)/BT: -1.36dBi

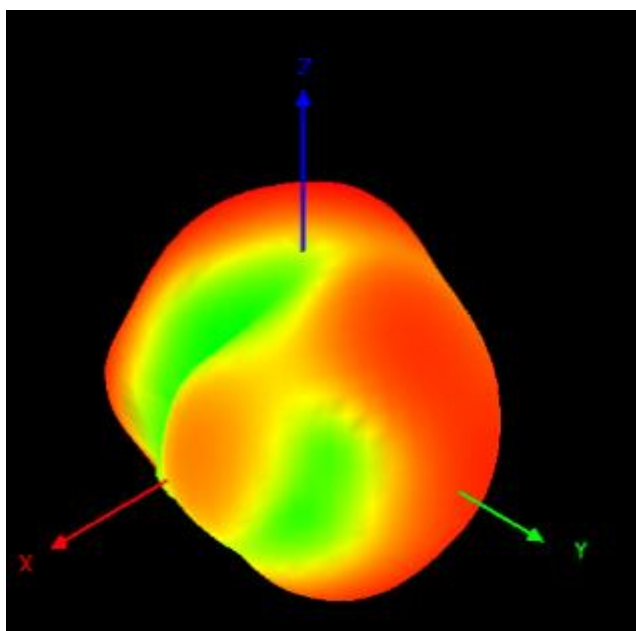
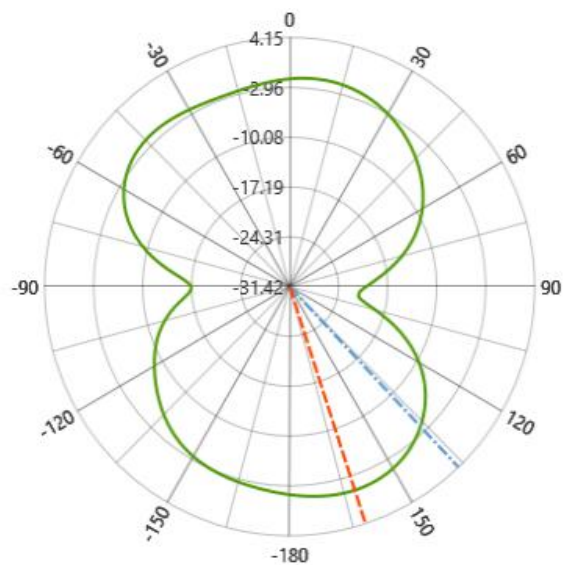
GPS: -1.45Bi

3. Radiation pattern diagram

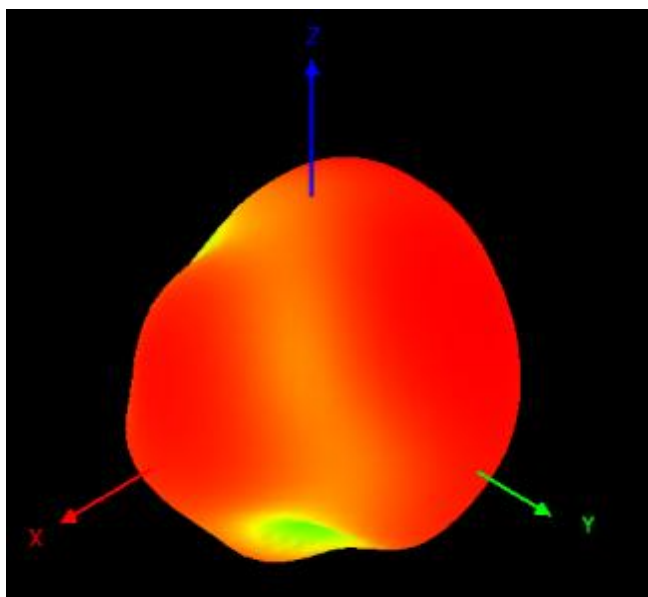
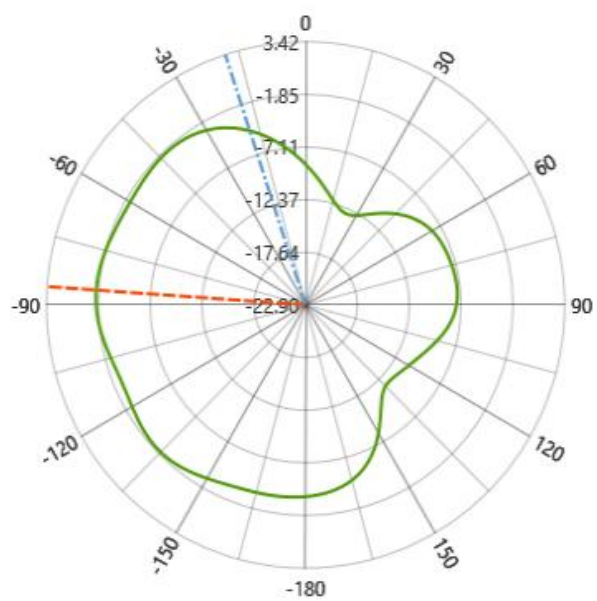
603MHZ~960MHZ



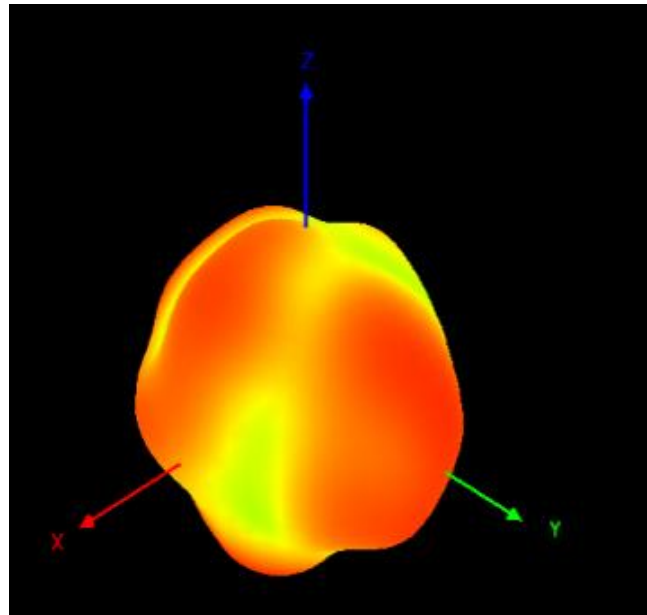
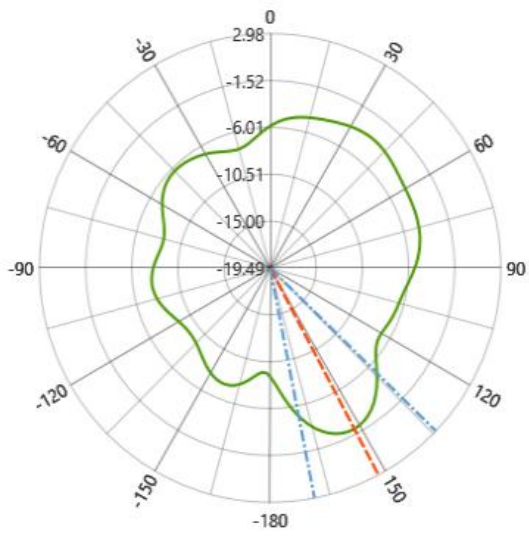
1710MHZ~2170MHZ



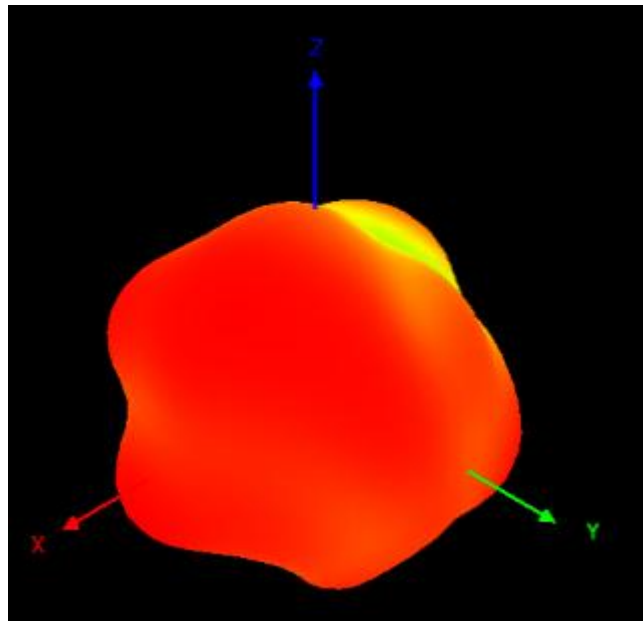
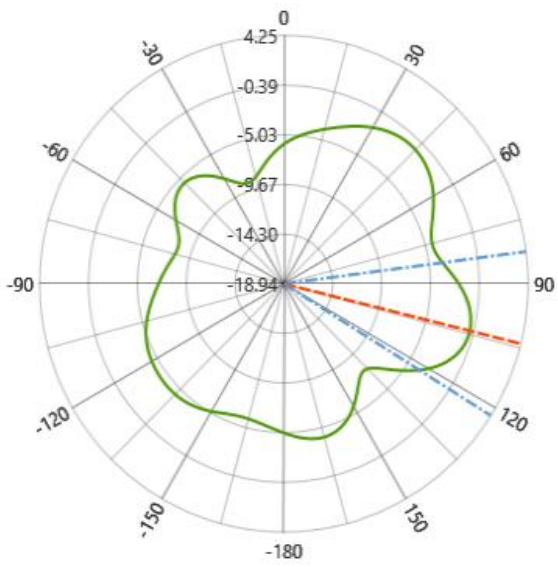
2500MHZ~2700MHZ



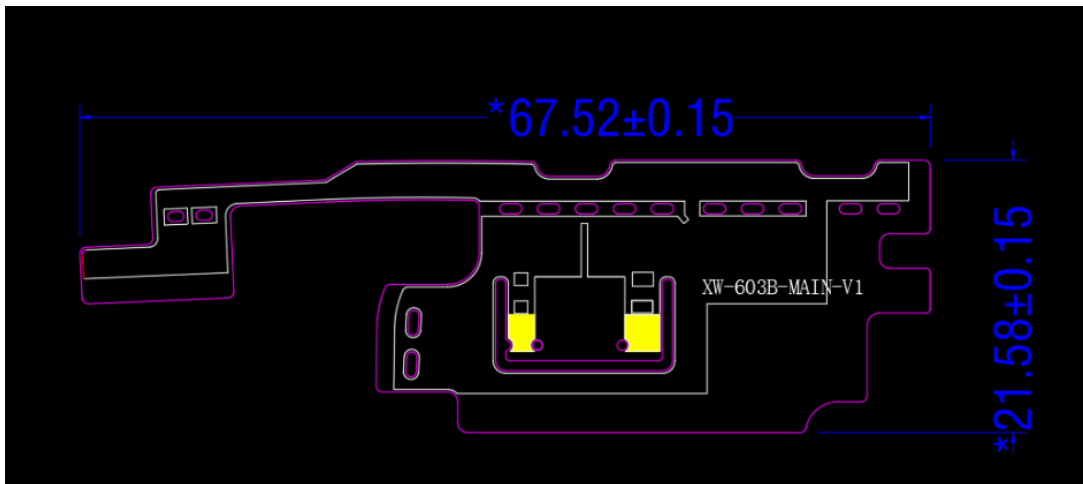
1550MHZ~1600MHZ (GPS)



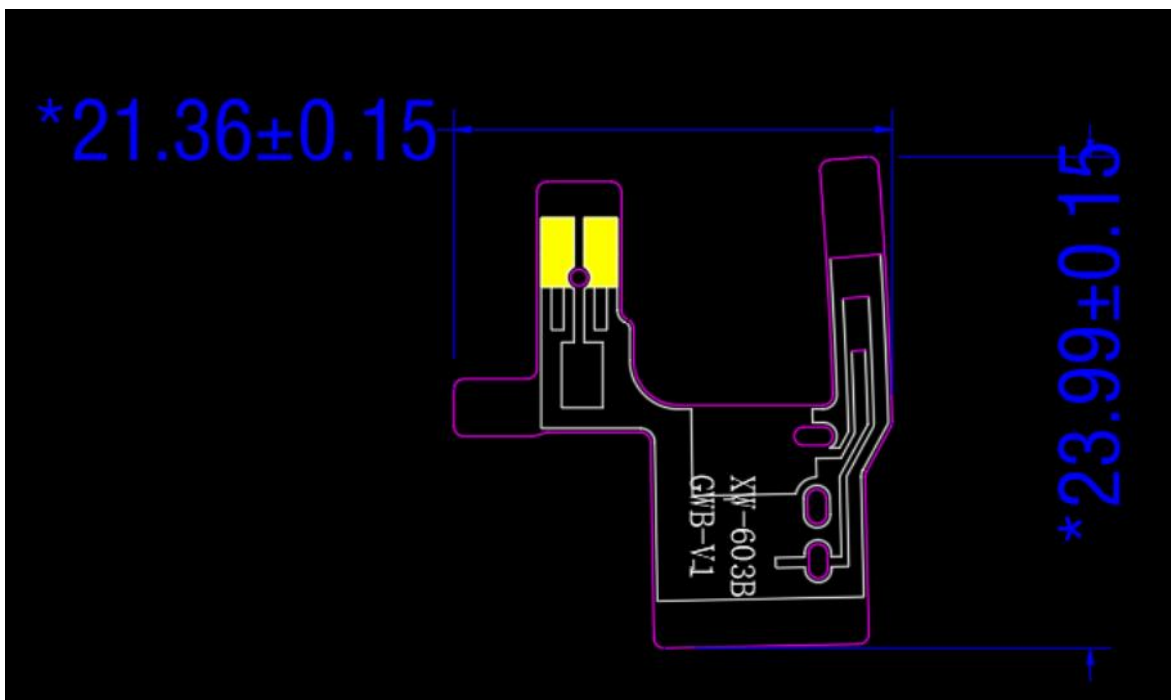
2400MHZ~2500MHZ (BT/WIFI 2.4G)



Dimensional drawing of main antenna



Dimensional drawing of GPS/WIFI/BT antenna



Dimensional drawing of diversity antenna

