

# Antenna SPEC



Manufacturer: Heyuan Xunwei Communication  
Technology Co., Ltd

RF:Li zhenling

Date:2024.09.06

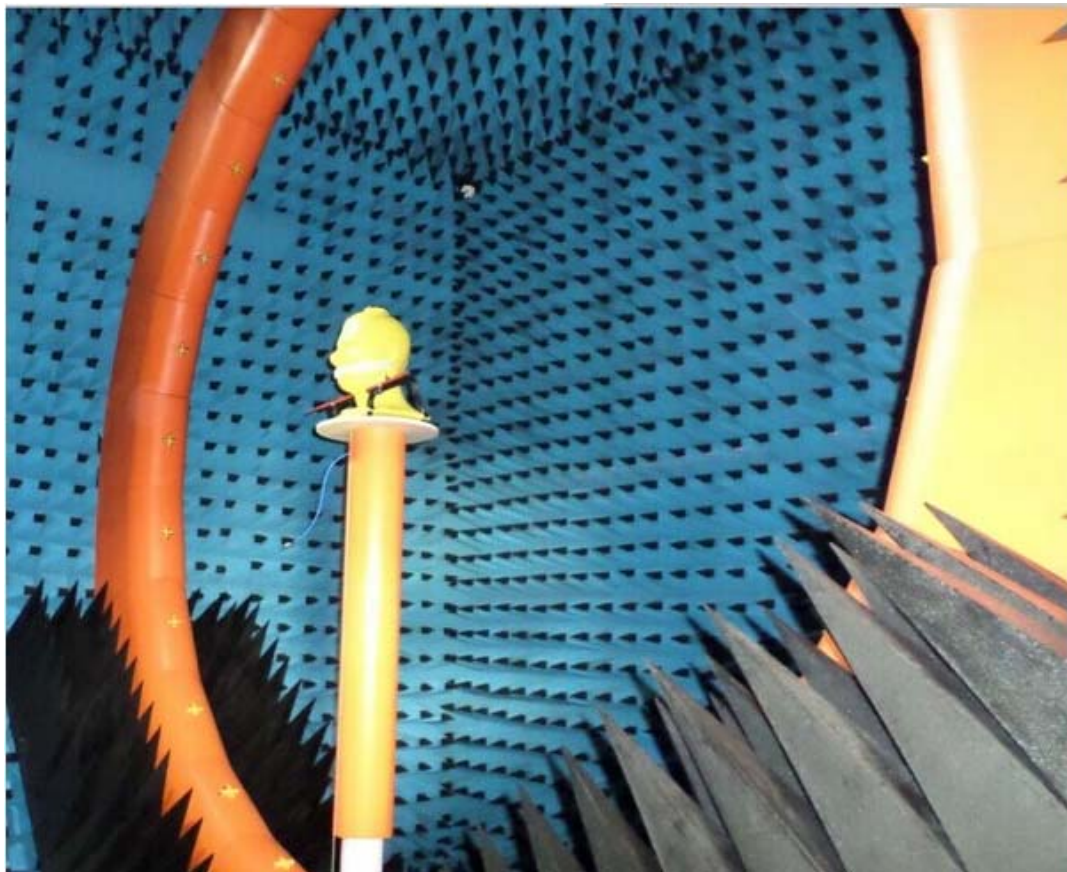
Office address: Zone M, 8/F, Building 1, Baisha Xinxing Industrial  
Park, No. 3011, Shahe West Road, Nanshan District, Shenzhen

## Test equipment

Wireless communications test set: CMW500

Network Analyzer: Agilent 5071B

Anechoic Chamber : SATIMO SG24

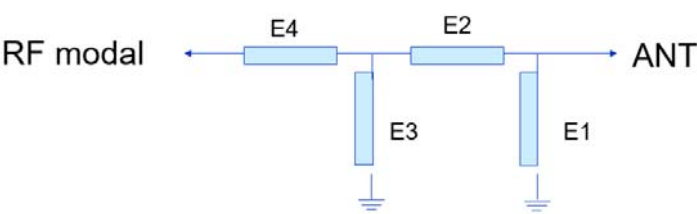


# Antenna information

|               |                                                                            |
|---------------|----------------------------------------------------------------------------|
| Customer      | Boat of wealth                                                             |
| Antenna model | FPC                                                                        |
| Antenna type  | PIFA                                                                       |
| Antenna band  | GSM900/1800/850/1900<br>WCDMA- B2/B4/B5<br>LTE-B2/B4/B5/B8/B12/B17/B66/B71 |

|                       |         |           |           |
|-----------------------|---------|-----------|-----------|
| frequency range (MHz) | 617-960 | 1710-2170 | 2490-2690 |
| VSWR                  | <3.5    | <3.5      | <3.5      |

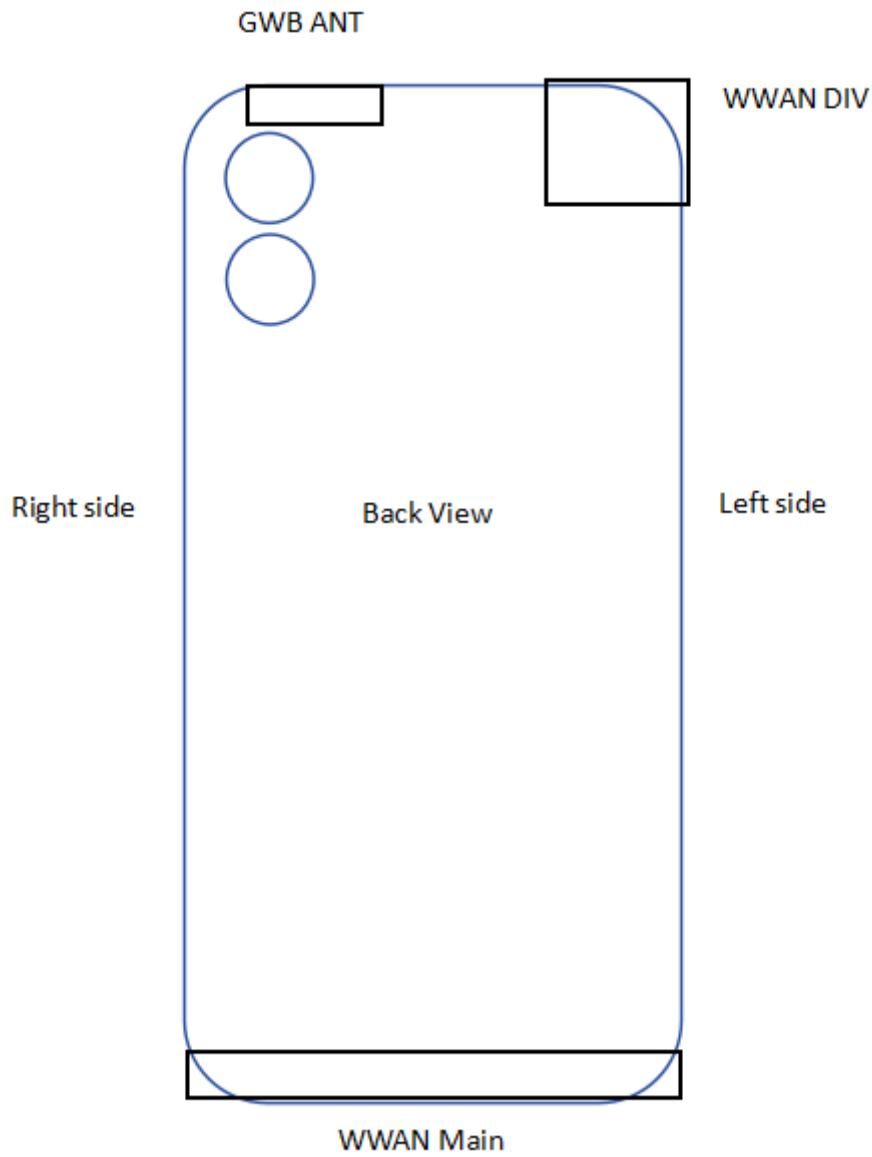
Matching circuit (No modification) :



| Element | Value |
|---------|-------|
| E1      |       |
| E2      |       |
| E3      |       |

E4

## 天线位置图 Antenna position



All of Implementation antenna

Main antenna(Antenna Label:A):

LTE B5/B8/B12/B17/B71 RX&TX / B2/B4/B66 RX

WCDMA B5 RX&TX / B2/B4/ RX

GSM B5/B8 RX&TX / B2/B4/ RX

DIV antenna(Antenna Label:B):

LTE B5/B8/B12/B17/B71 RX / B2/B4/B66 RX&TX

WCDMA B5 RX / B2/B4/ RX&TX

GSM B5/B8 RX / B2/B4/ RX&TX

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

Antenna Max. Peak Gain:

EGSM900:-2.21dBi

GSM850: -2.3dBi

DCS1800: -0.1dBi

PCS1900: -0.64dBi

WCDMA1900: -0.64dBi

WCDMA1700: -0.88dBi

WCDMA850: -2.3dBi

LTE-B2: -0.64dBi

LTE-B4: -0.88dBi

LTE-B5: -2.3dBi

LTE-B8: -2.21dBi

LTE-B12: -0.28dBi

LTE-B17:- 0.14dBi

LTE-B66: -0.88dBi

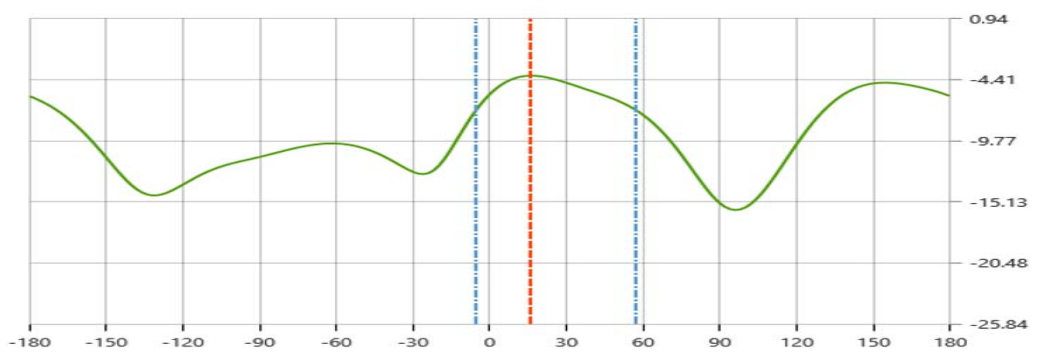
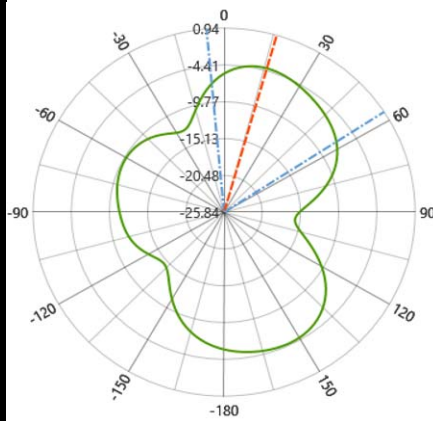
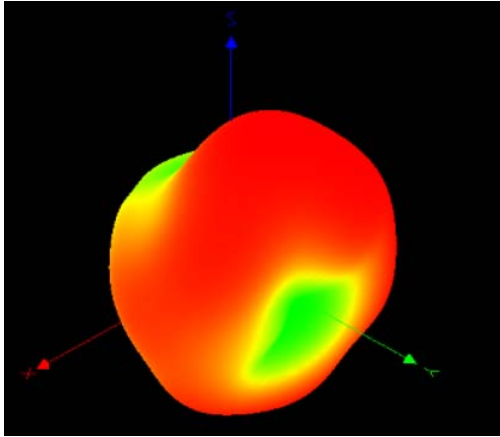
LTE-B71:- 2.36dBi

WIFI/BT: -0.65dBi

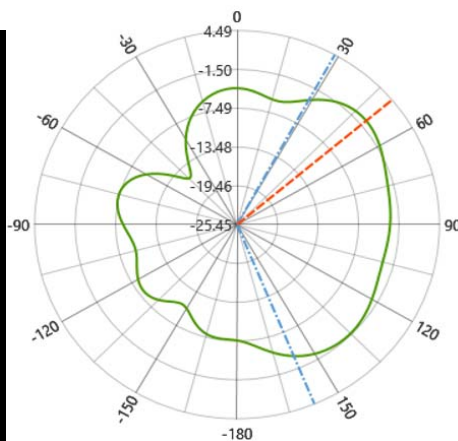
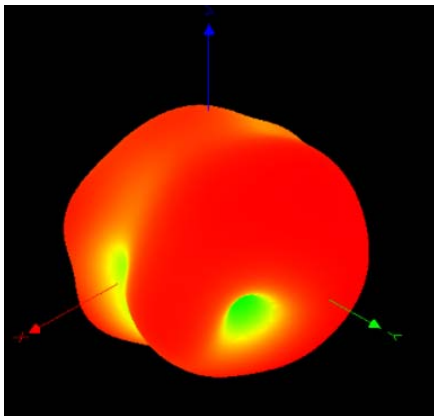
GPS: -0.73dBi

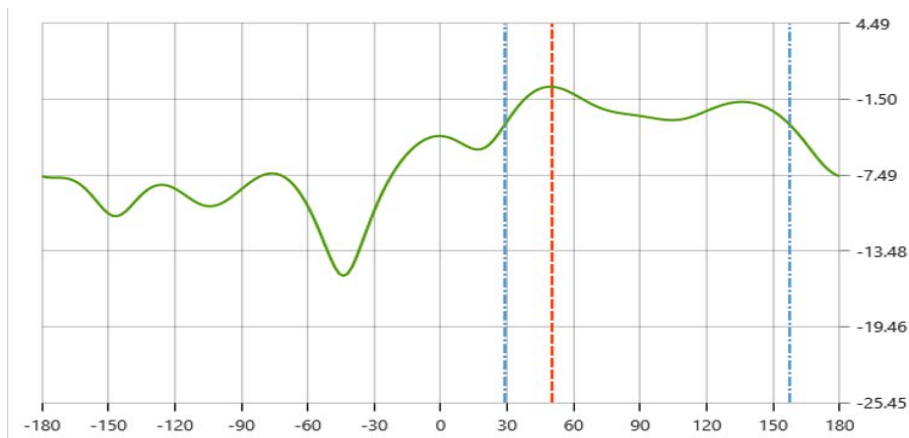
### 3. 天线苹果图 Antenna apple pattern

617MHZ~960MHZ

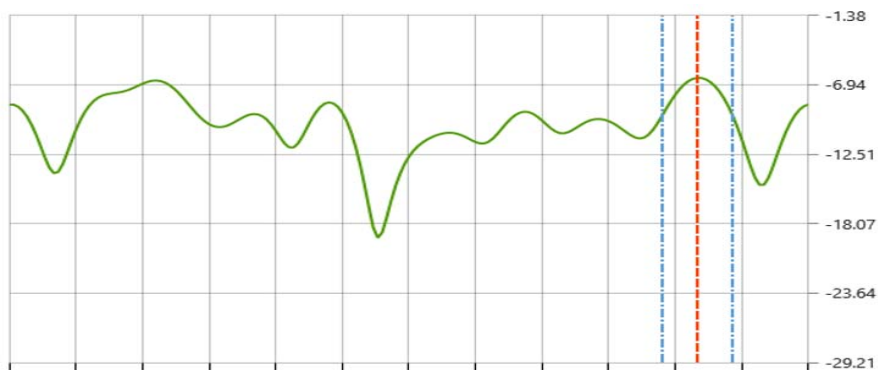
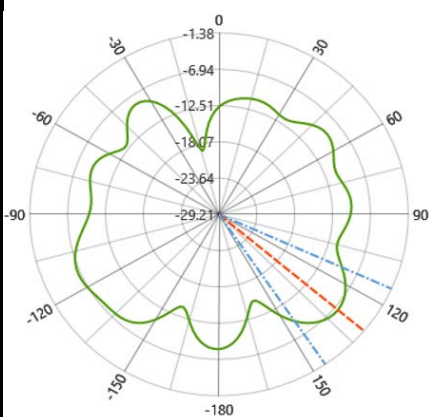
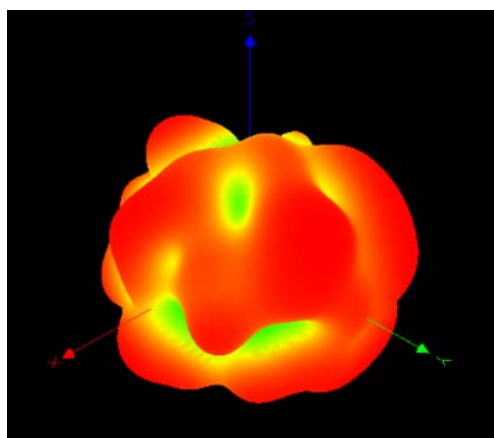


1710MHZ~2170MHZ

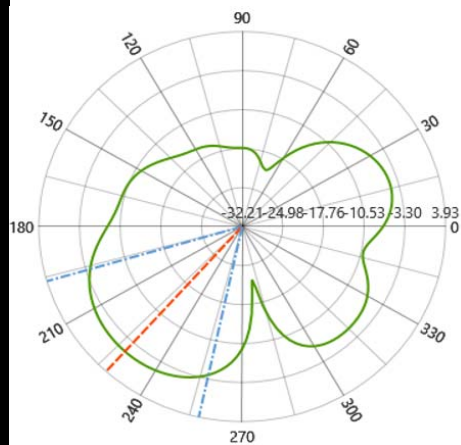
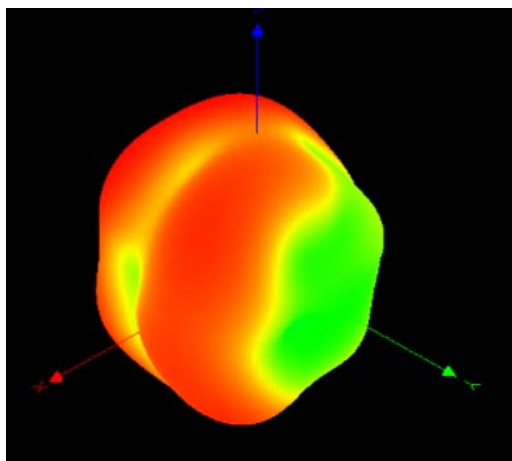


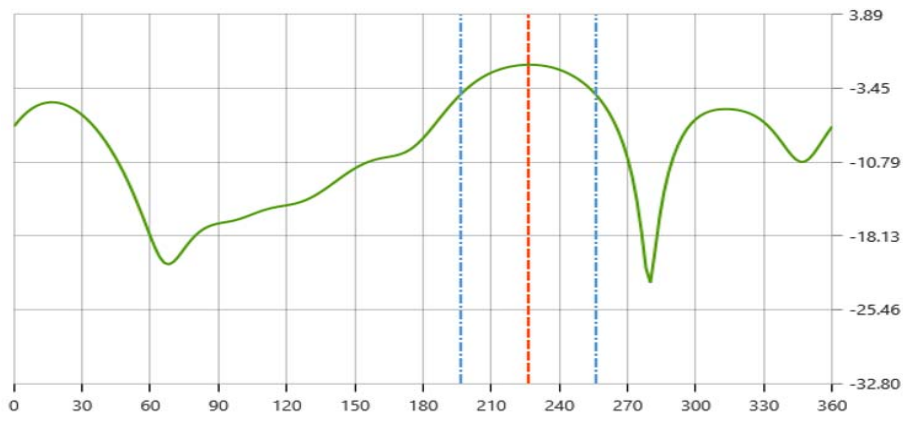


2500MHZ~2700MHZ

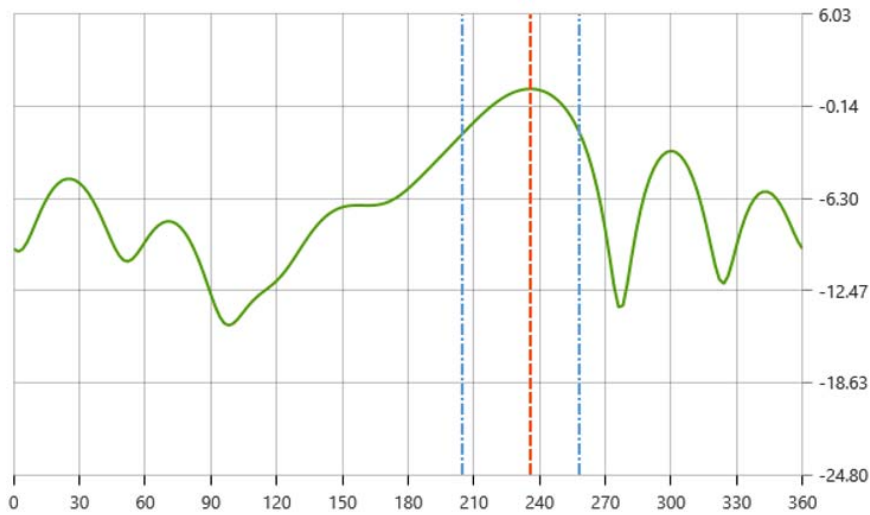
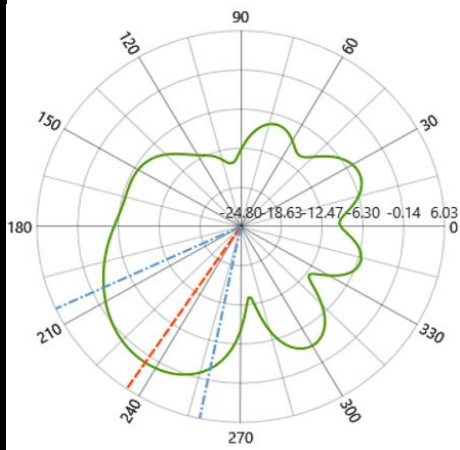
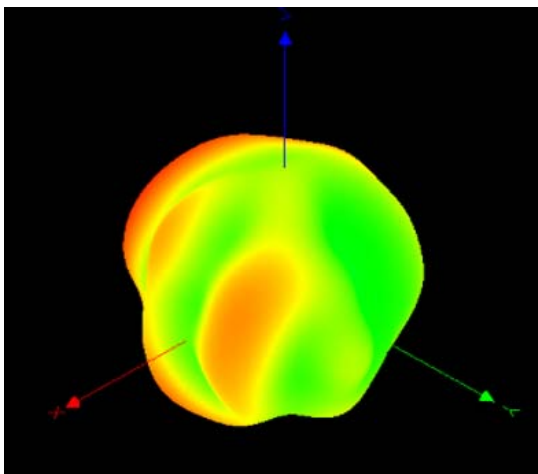


1550MHZ~1600MHZ (GPS)

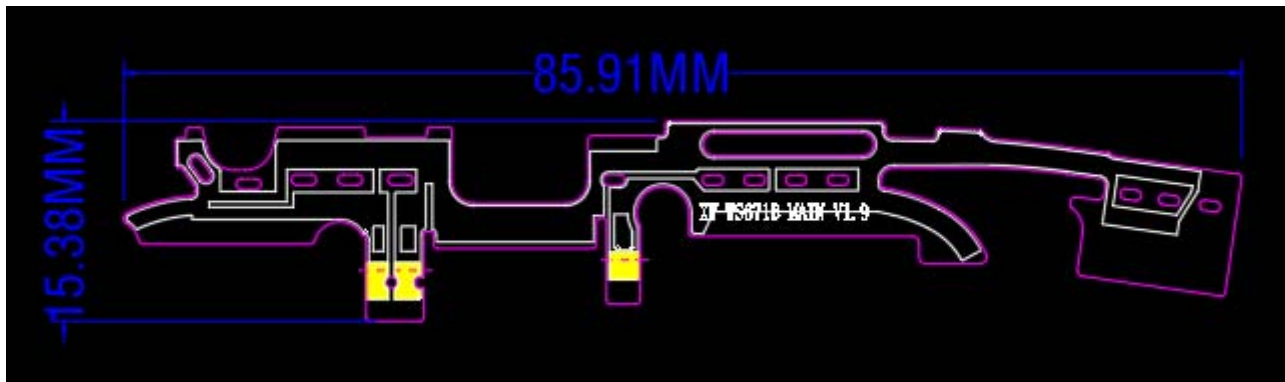




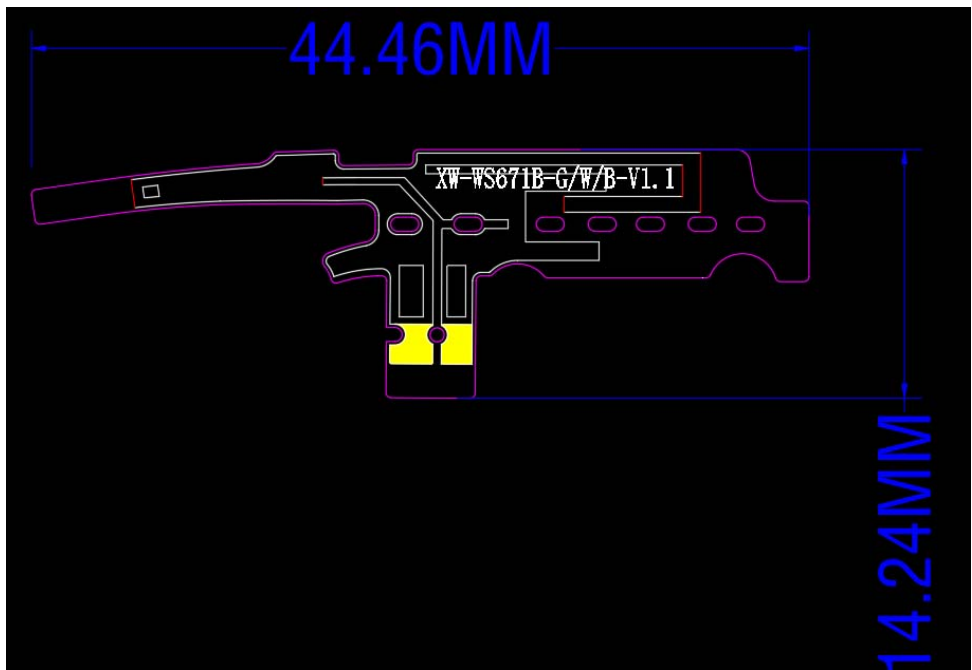
2400MHZ~2500MHZ (BT/WIFI 2.4G)



Dimensional drawing of main antenna



Dimensional drawing of GPS/WIFI/BT antenna



Dimensional drawing of diversity antenna

