

# Antenna SPEC



Heyuan Xunwei Communication Technology Co., Ltd

RF:Qiu dazhong

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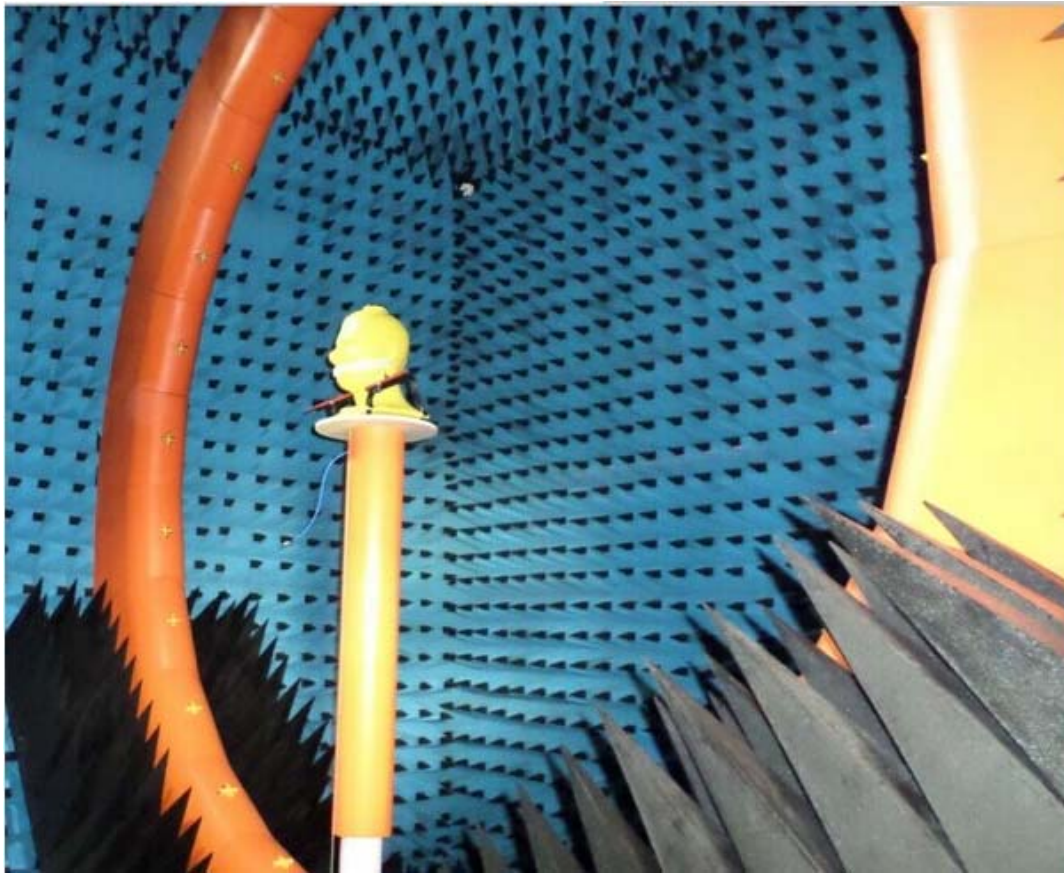
Office address: Zone M, 8/F, Building 1, Baisha Xinxing Industrial Park, No.  
3011, Shahe West Road, Nanshan District, Shenzhen

### Test equipment

Wireless communications test set: CMW500

Network Analyzer: Agilent 5071B

Anechoic Chamber : SATIMO SG24

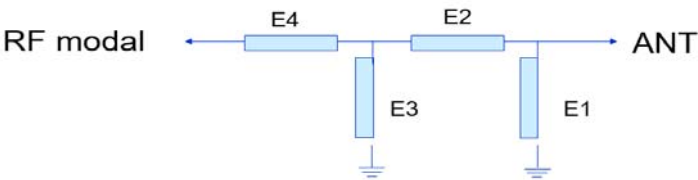


**Antenna information**

|               |                                                                                        |
|---------------|----------------------------------------------------------------------------------------|
| Customer      | Boat of wealth                                                                         |
| Antenna model | FPC                                                                                    |
| Antenna type  | PIFA                                                                                   |
| Antenna band  | GSM900/1800/850/1900<br>WCDMA- B1/B2/B4/B5/B8<br>LTE-B2/B4/B5/B7/B12/B17/B28AB/B66/B71 |

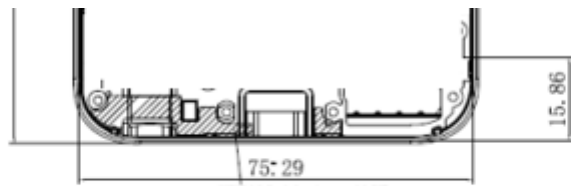
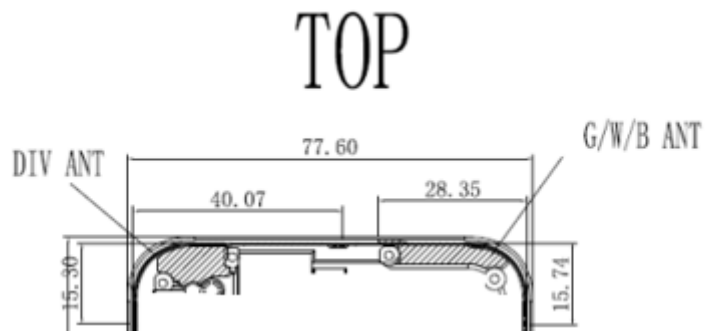
|                      |         |           |           |
|----------------------|---------|-----------|-----------|
| frequency range(MHz) | 617-960 | 1710-2170 | 2490-2690 |
| VSWR                 | <3.5    | <3.5      | <3.5      |

**Matching circuit (No modification) :**



| Element | Value |
|---------|-------|
| E1      |       |
| E2      |       |
| E3      |       |
| E4      |       |

**Antenna location:**



WWAN Main ANT

WWAN Main ANT: for L Band Tx&Rx, M/H Band Rx;

DIV ANT: for M/H Band Tx&Rx

## **All of Implementation antenna**

Main antenna(Antenna Label:A):

LTE B5/B8/B12/B17/B28AB/B71 RX&TX

WCDMA B5/B8 RX&TX

GSM B5/B8 RX&TX

DIV antenna(Antenna Label:B):

LTE B2/B3/B4/B7/B66 RX&TX

WCDMA B1/B2/B4 RX&TX

GSM B2/B3 RX&TX

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

Antenna Max. Peak Gain:

EGSM900:-2.41dBi

GSM850: -2.2dBi

DCS1800: -1.1dBi

PCS1900: -0.94dBi

WCDMA2100: -0.84dBi

WCDMA1900: -0.94dBi

WCDMA1700: -0.94dBi

WCDMA850: -2.2dBi

WCDMA900: -2.41dBi

LTE-B2: -0.94dBi

LTE-B3: -1.1dBi

LTE-B4: -0.94dBi

LTE-B5: -2.2dBi

LTE-B7: -1.05dBi

LTE-B12: -1.38dBi

LTE-B17:- 1.24dBi

LTE-B28AB:- 1.84dBi

LTE-B66: -0.89dBi

LTE-B71:- 2.35dBi

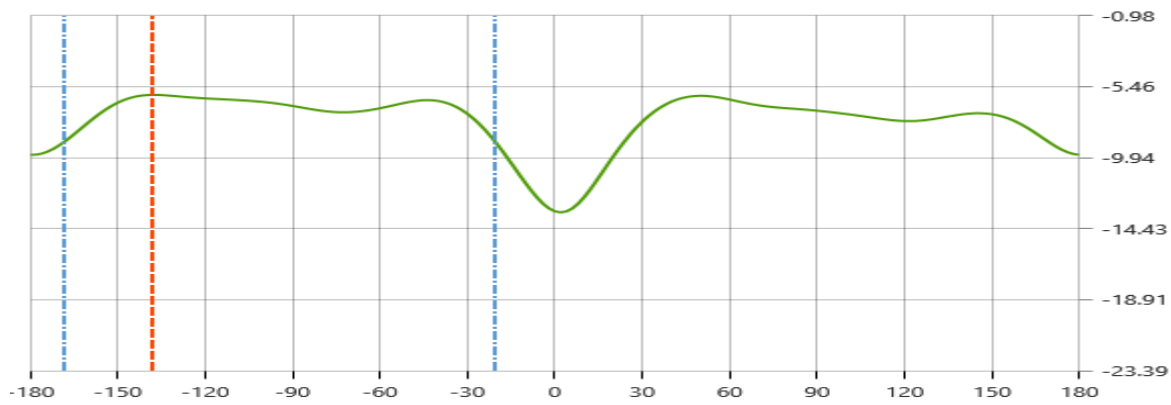
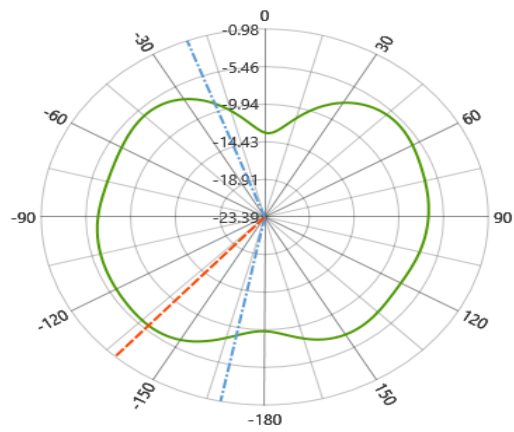
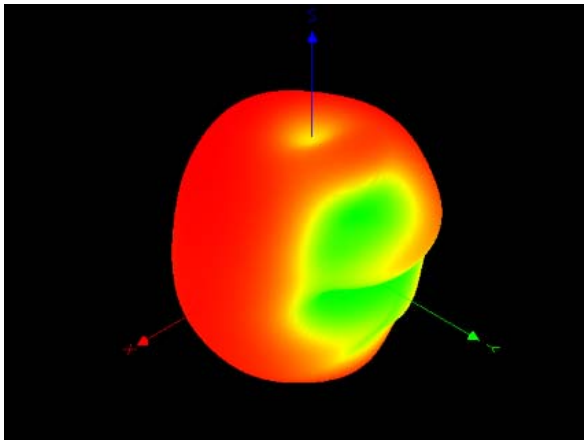
WIFI/BT: -0.69dBi

GPS: -0.75dBi

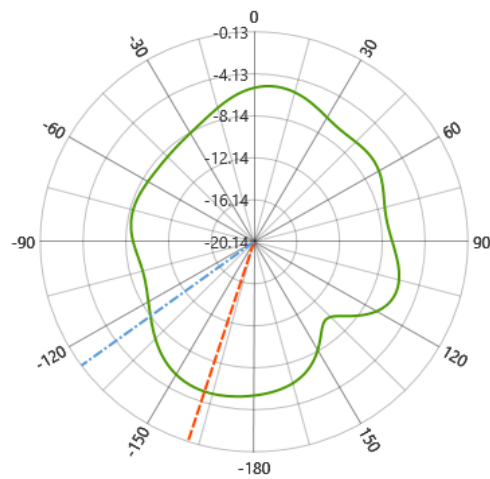
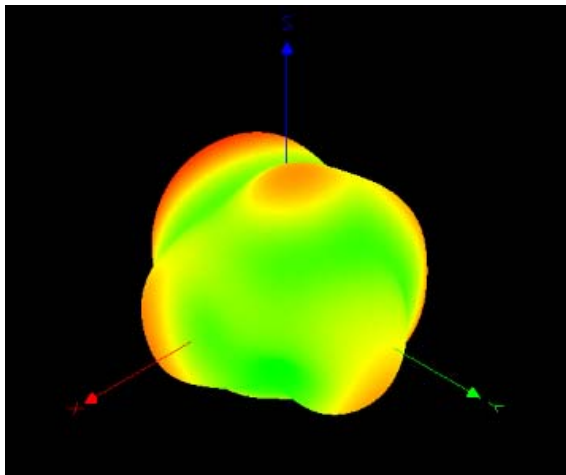
WIFI 5G:-1.62dbi

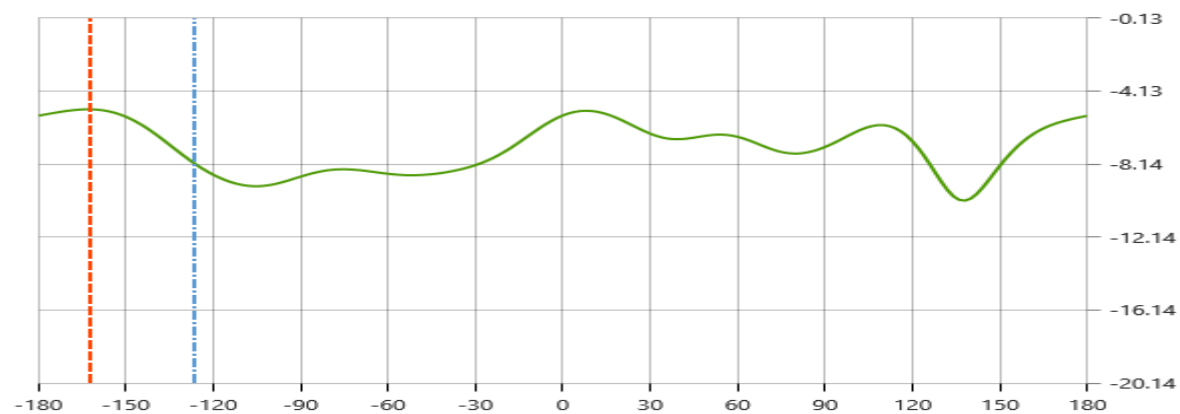
## Antenna apple pattern

617MHZ~960MHZ

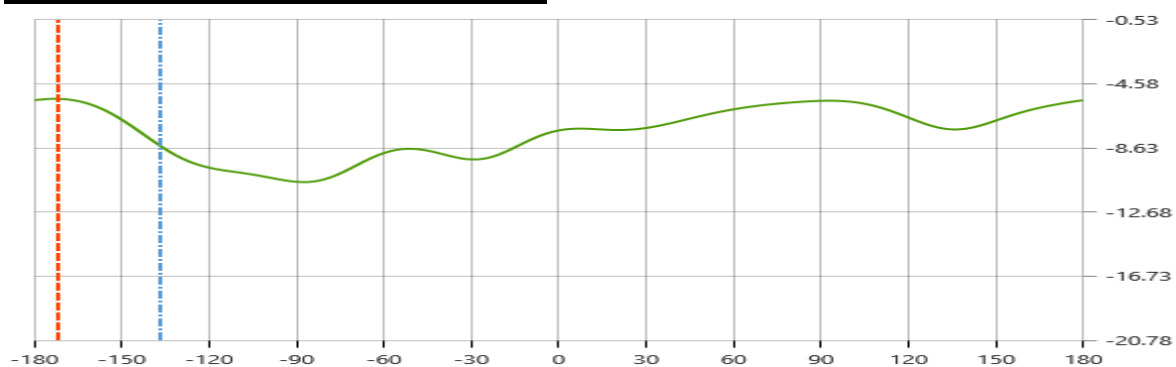
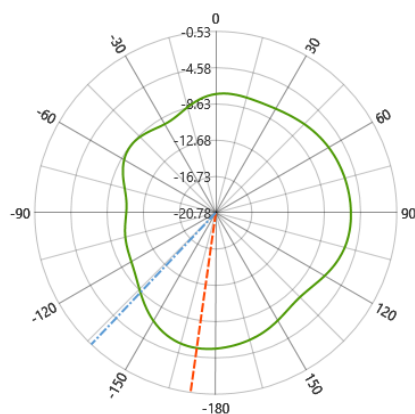
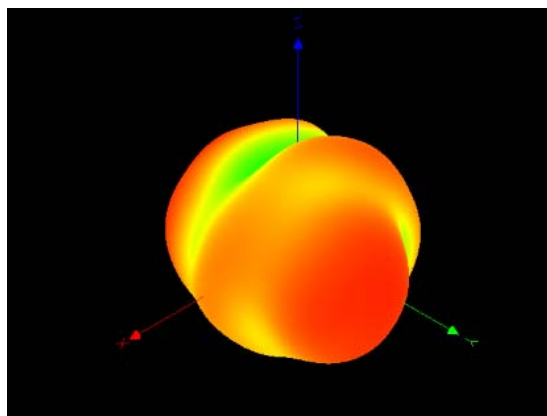


1710MHZ~2170MHZ

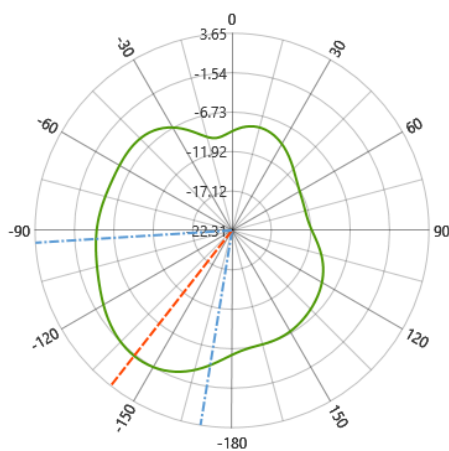
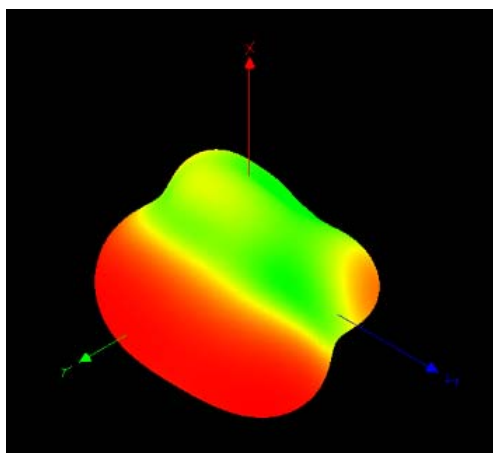


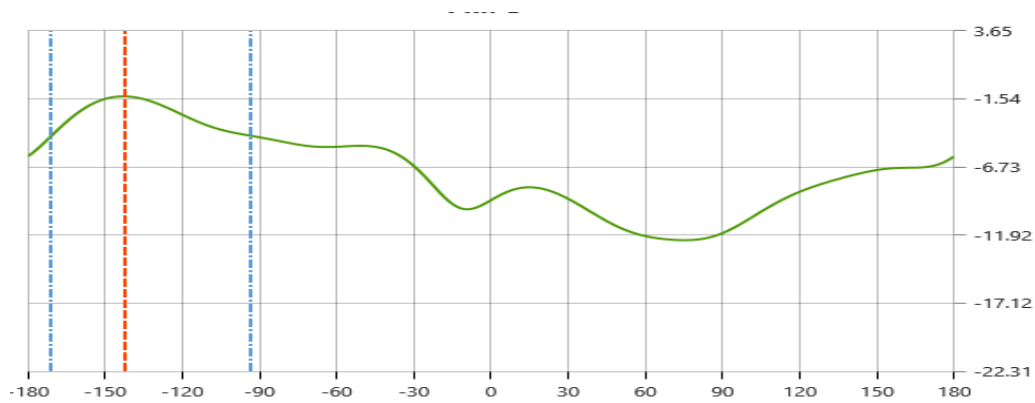


2500MHZ~2700MHZ

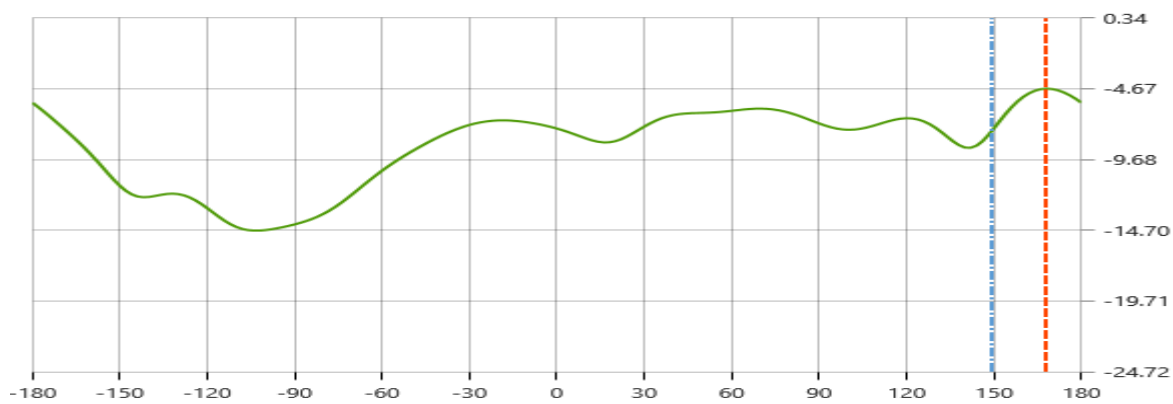
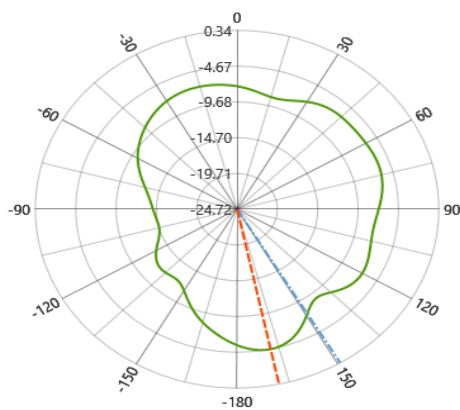
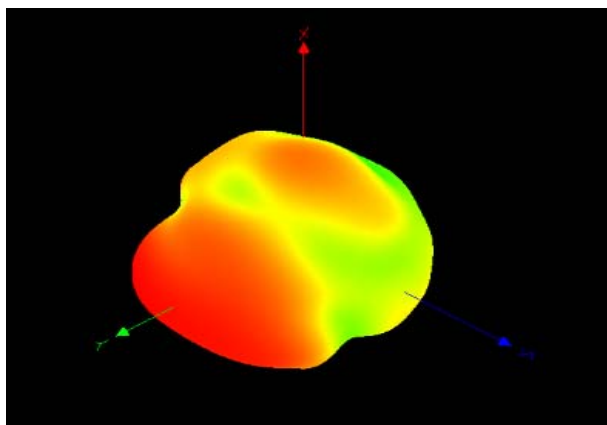


1550MHZ~1600MHZ(GPS)





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





5100MHZ~5820MHZ(WIFI 5G)

