

# Antenna Specification



## Mobile antenna test report

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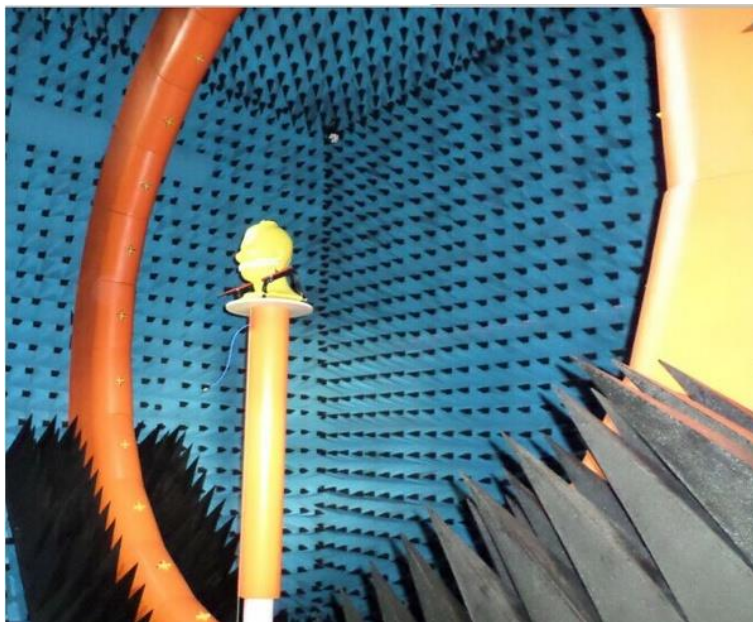
Office address: A316, Bldg. A, Languang Technology Bldg., No. 5  
Xinxi Rd. W, Nanshan Dist., Shenzhen,

## Test equipment

Wireless communications test set: CMW500

Network Analyzer: Agilent 5071B

Anechoic Chamber : SATIMO SG24



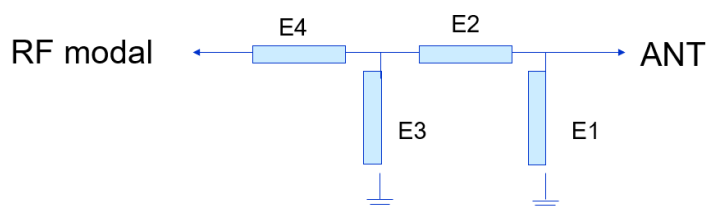
## Antenna information

|               |                |
|---------------|----------------|
| Customer      | Boat of wealth |
| Antenna model | FPC            |

|              |                                                                                                             |
|--------------|-------------------------------------------------------------------------------------------------------------|
| Antenna type | PIFA                                                                                                        |
| Antenna band | GSM850/900/1800/1900<br>WCDMA- B1/B2/B4/B5/B8<br>LTE-<br>B1/B2/B3/B4/B5/B7/B8/B12/B13/B17/B28AB/B66/B38/B40 |

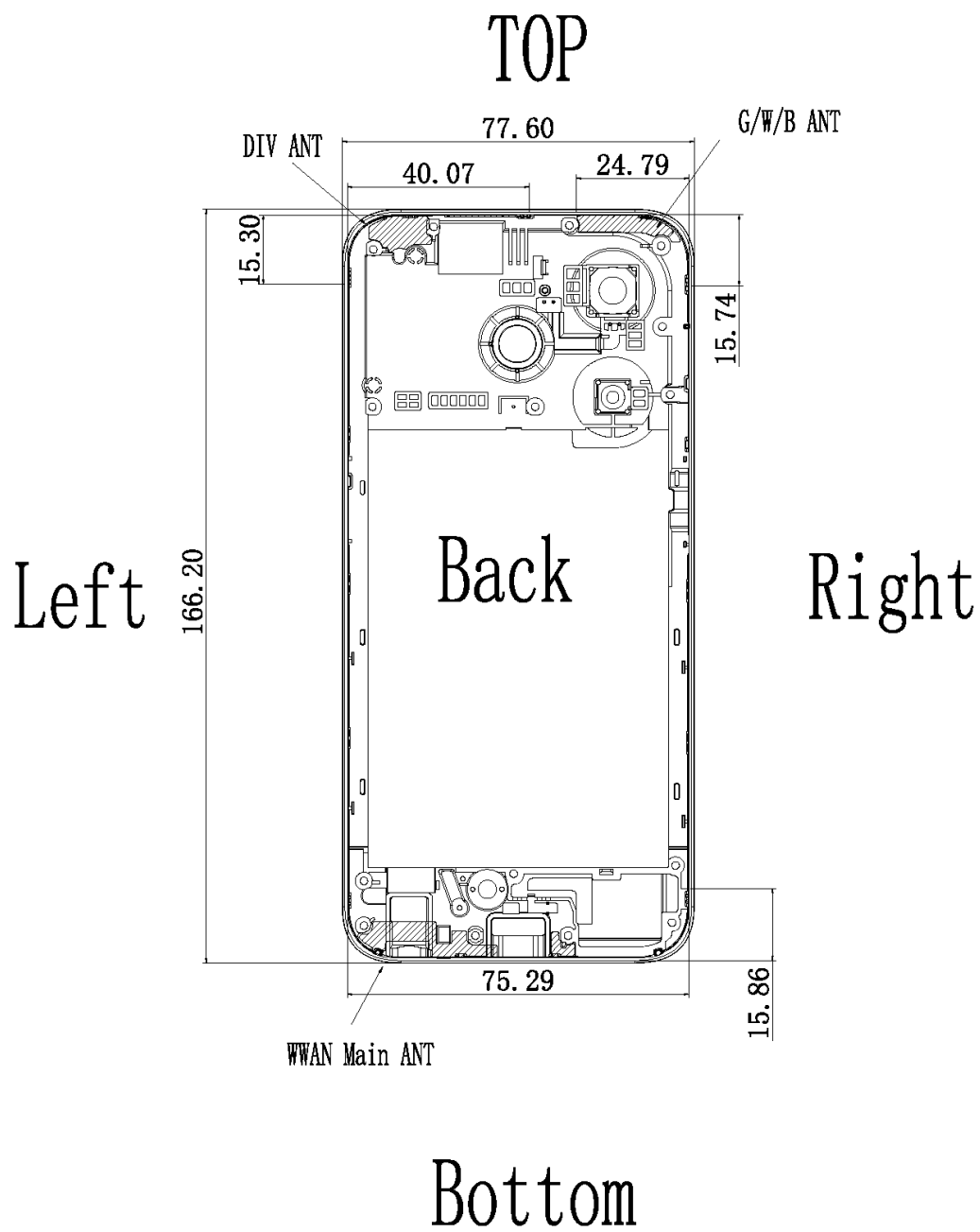
|                       |         |           |           |
|-----------------------|---------|-----------|-----------|
| frequency range (MHz) | 703–960 | 1710–2170 | 2500–2690 |
| VSWR                  | <3.5    | <3.5      | <3.5      |

Matching circuit (No modification) :



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

Antenna location map (showing the positions of all antennas and the frequency bands they use)



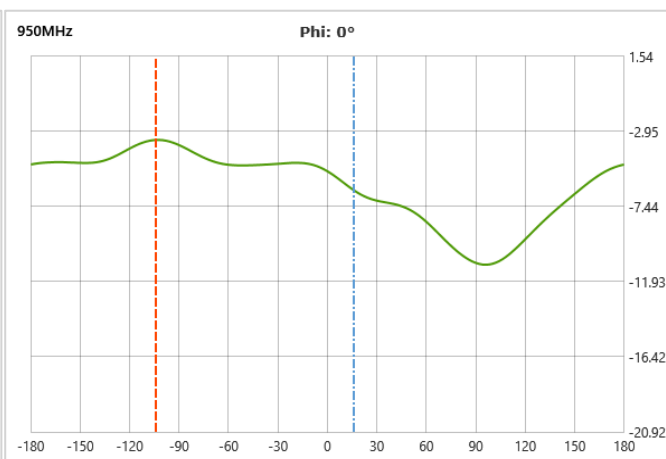
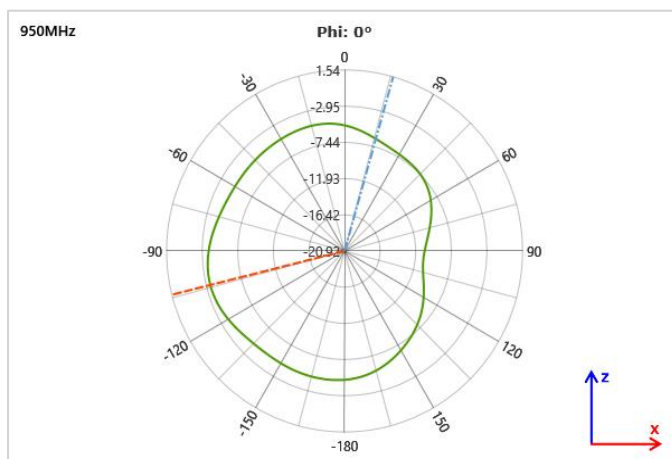
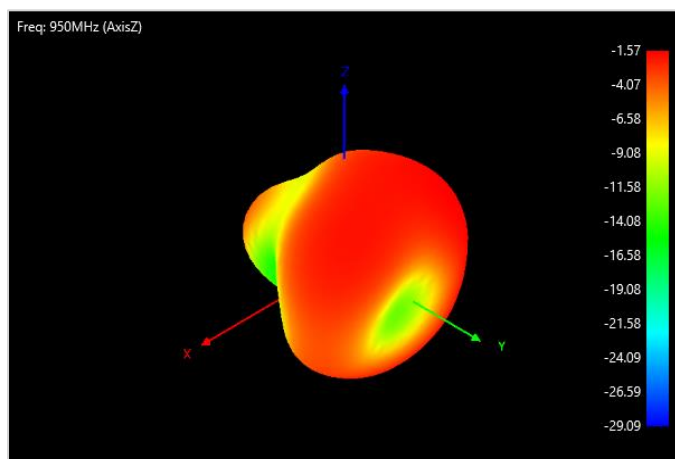
All of Implementation antenna  
 Main antenna(Antenna Label:A):  
 LTE B5/B8/B12/B13/B17/B28AB RX&TX  
 LTE B1/B2/B3/B4/B7/B66/B38/B40 RX  
 WCDMA B1/B2/B4 RX  
 GSM B2/B3 RX  
 DIV antenna(Antenna Label:B):  
 LTE B1/B2/B3/B4/B7/B66/B38/B40 RX&TX  
 WiFi/BT 2.4~2.5G/2412MHz~2472MHz& WiFi 5G 5.1~5.8MHz /GPS: 1575.42 MHz ;

**Antenna Max. Peak Gain:**

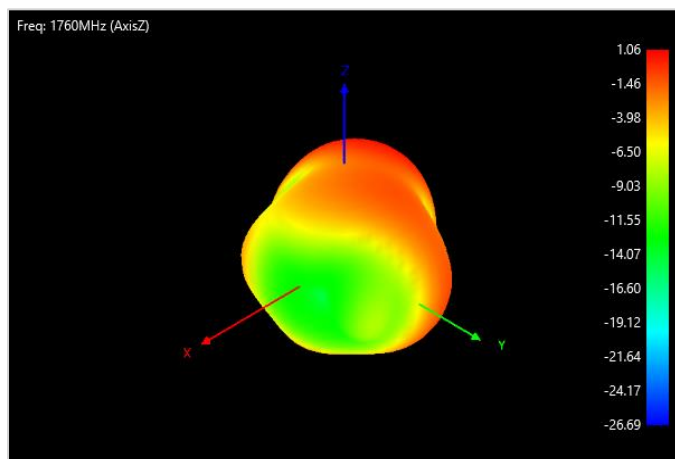
GSM850: -2.38dBi  
 EGSM900:-2.47dBi  
 DCS1800: -1.28dBi  
 PCS1900: -1.45dBi  
 W-B1: -1.50dBi  
 W-B2: -1.45dBi  
 W-B4: -1.28dBi  
 W-B5: -2.38dBi  
 W-B8: -2.47dBi  
 LTE-B1: -1.50dBi  
 LTE-B2: -1.45dBi  
 LTE-B3: -1.28dBi  
 LTE-B4: -1.28dBi  
 LTE-B5: -2.38dBi  
 LTE-B7: -1.68dBi  
 LTE-B8: -2.47dBi  
 LTE-B12: -2.68dBi  
 LTE-13: -2.69dBi  
 LTE-B17: -2.68dBi  
 LTE-B28: -2.68dBi  
 LTE-B66: -1.28dBi  
 LTE-B38: -1.68dBi  
 LTE-B40: -1.91dBi  
 WIFI(2.4G)/BT: -1.15dBi  
 WIFI(5G): -1.31dB  
 GPS:-1.21Bi

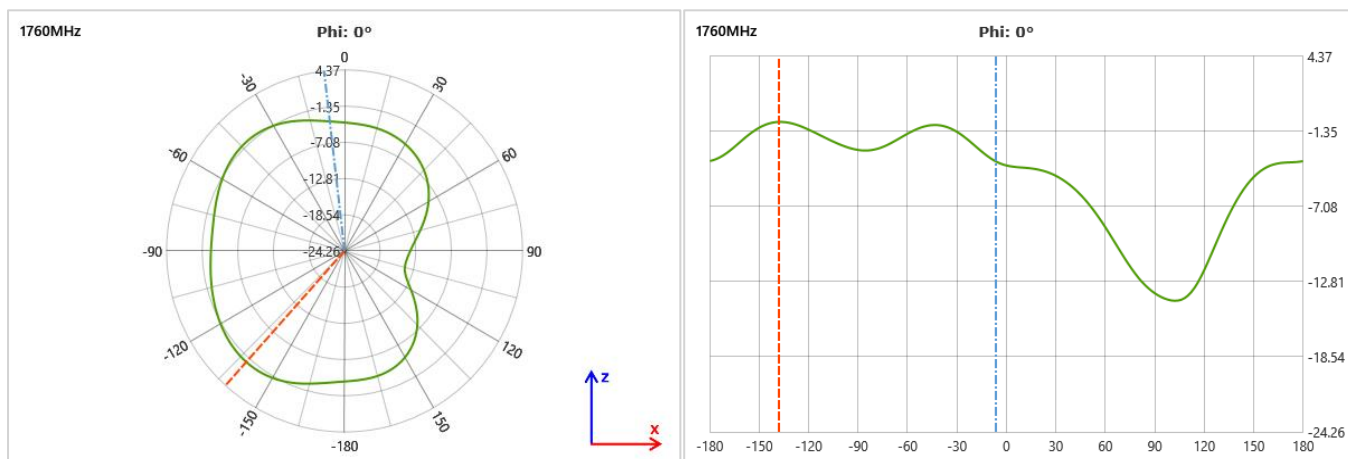
### 3. Antenna Apple Diagram

703MHZ~960MHZ

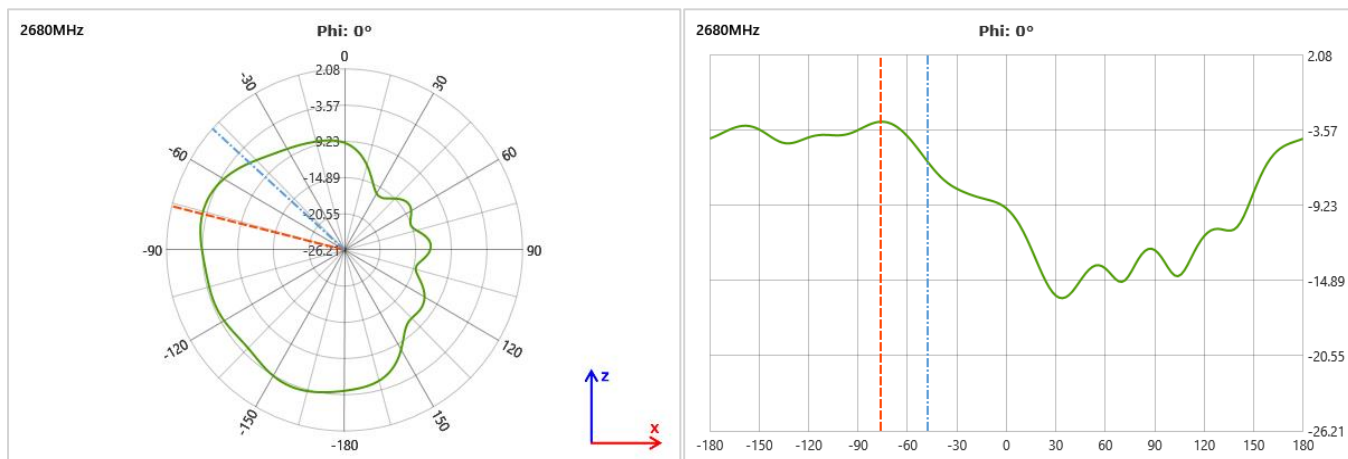
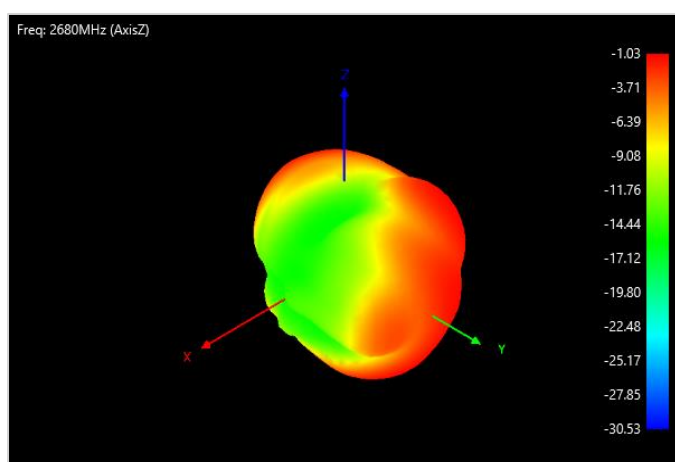


1710MHZ~2170MHZ

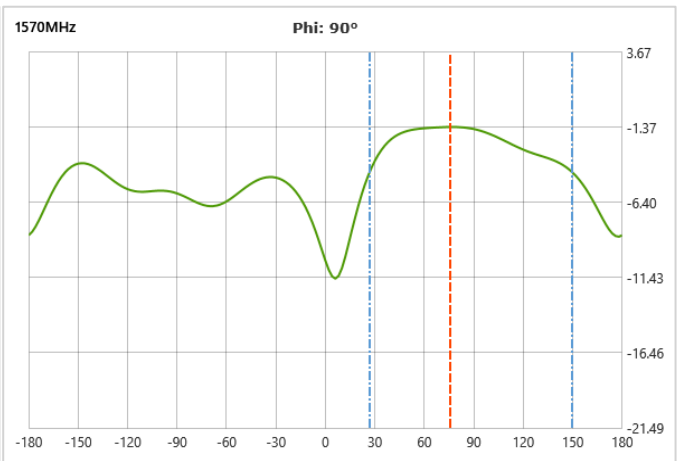
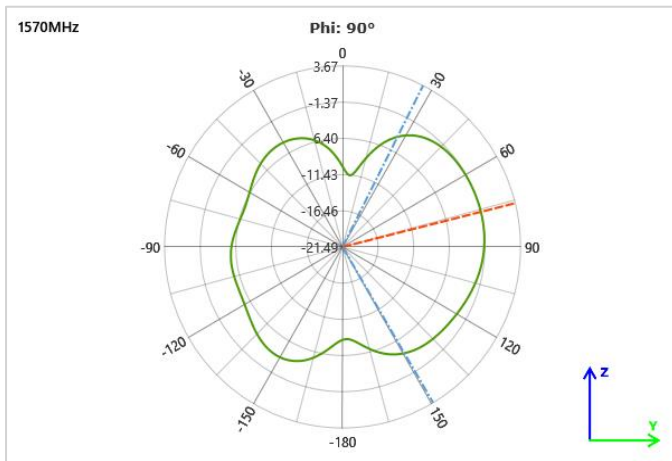
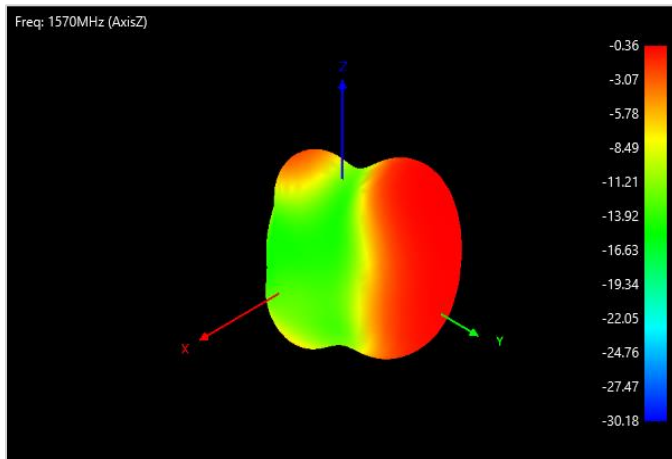




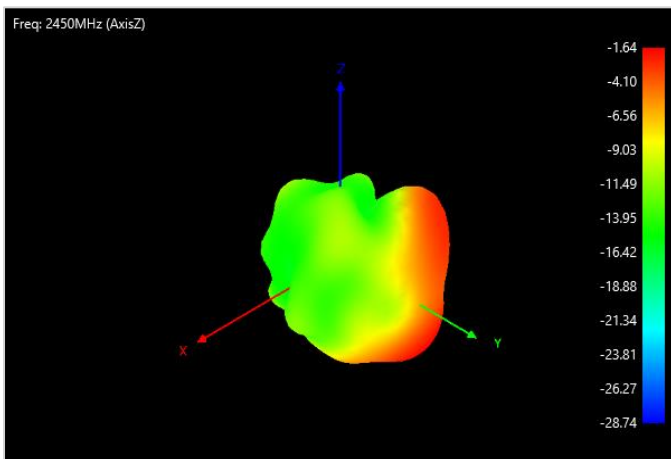
2400MHZ~2700MHZ

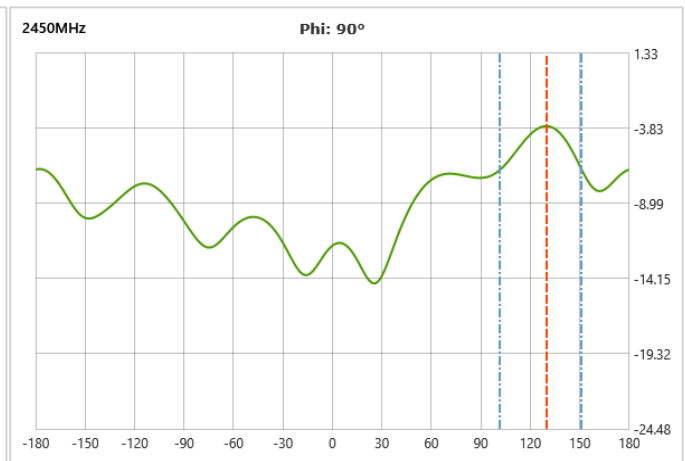
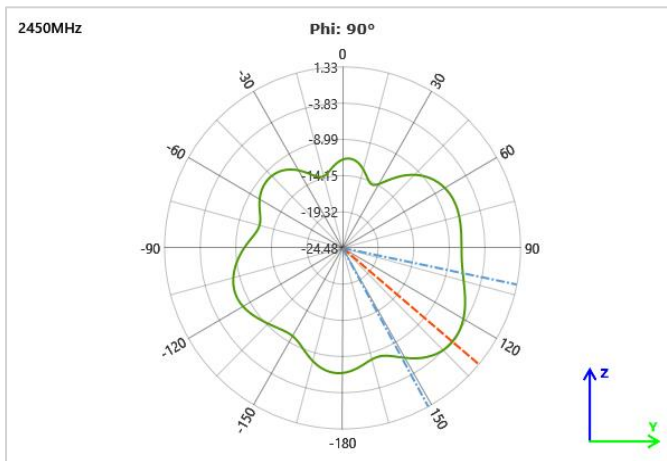


1550MHZ~1600MHZ (GPS)

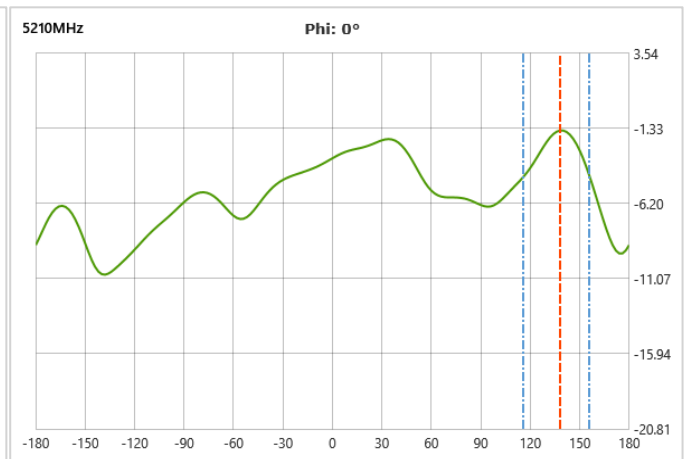
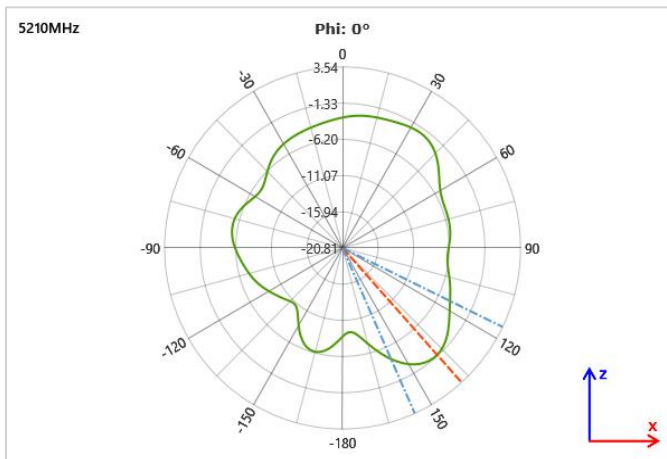
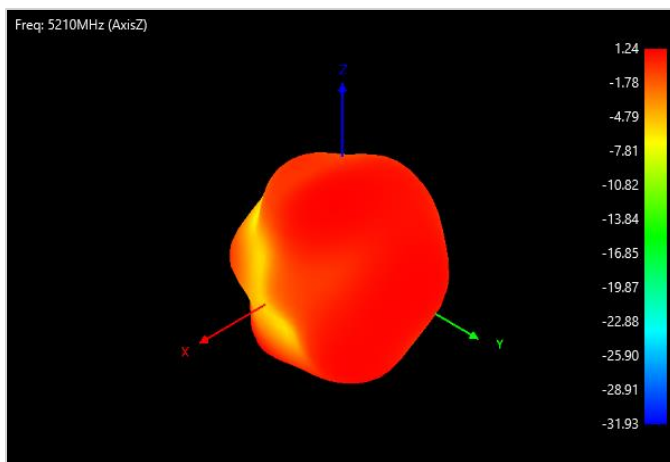


2400MHZ~2500MHZ (BT/WIFI 2.4G)



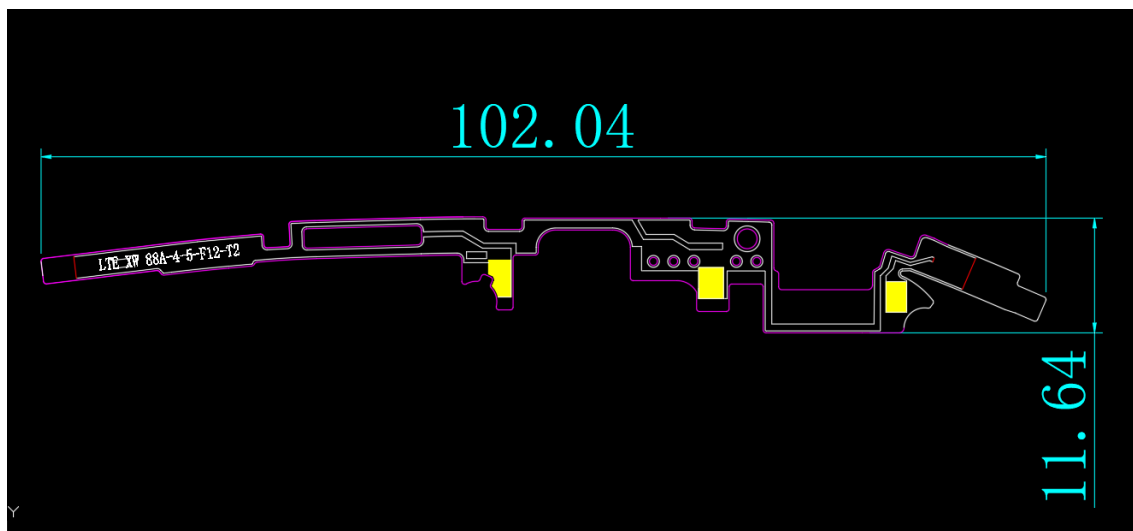


5.1MHZ~5.8MHZ (WIFI 5G)



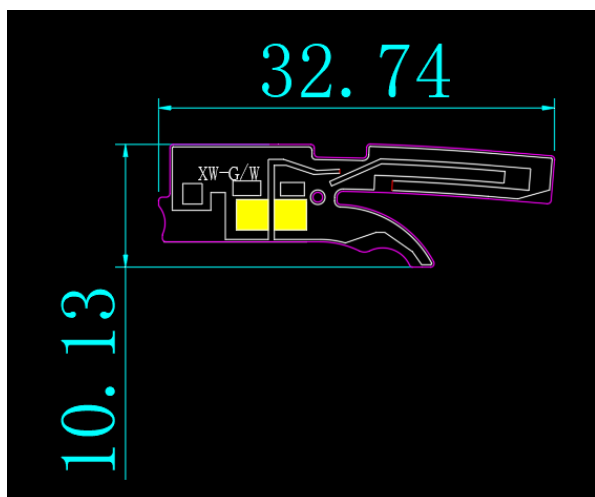
Dimensional drawing of main antenna

Unit: mm



Dimensional drawing of GPS/WIFI/BT antenna

Unit: mm



Dimensional drawing of diversity antenna

Unit: mm

