

天 线 规 格 书



Mobile antenna test report

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RF:Wangxin

feng

Date:2025.07.09

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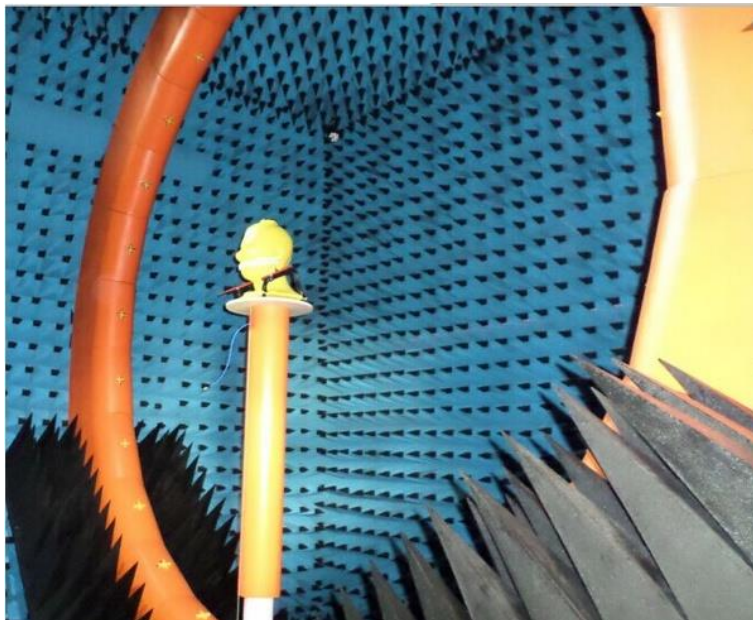
Xinxi Rd. W, Nanshan Dist., Shenzhen,

Test equipment

Wireless communications test set: CMW500

Network Analyzer: Agilent 5071B

Anechoic Chamber : SATIMO SG24



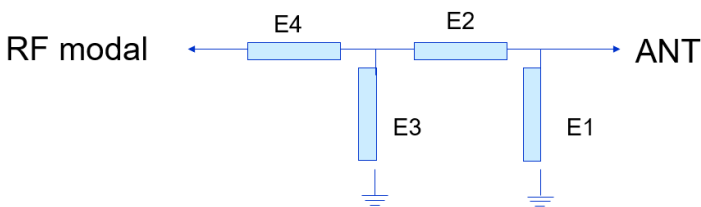
Antenna information

Customer	Boat of wealth
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Antenna model	FPC
Antenna type	PIFA
Antenna band	GSM850/900/1800/1900 WCDMA- B1/B2/B5 LTE-B2/B3/B4/B5/B7/B28AB/B38

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	

天线位置图(体现所有天线的位置和使用频段)

TOP

LTE Diversity Antenna

GPS/WIFI/BT Antenna

25.50

17.85

20.47

19.38

Left

Front

Right

160.04

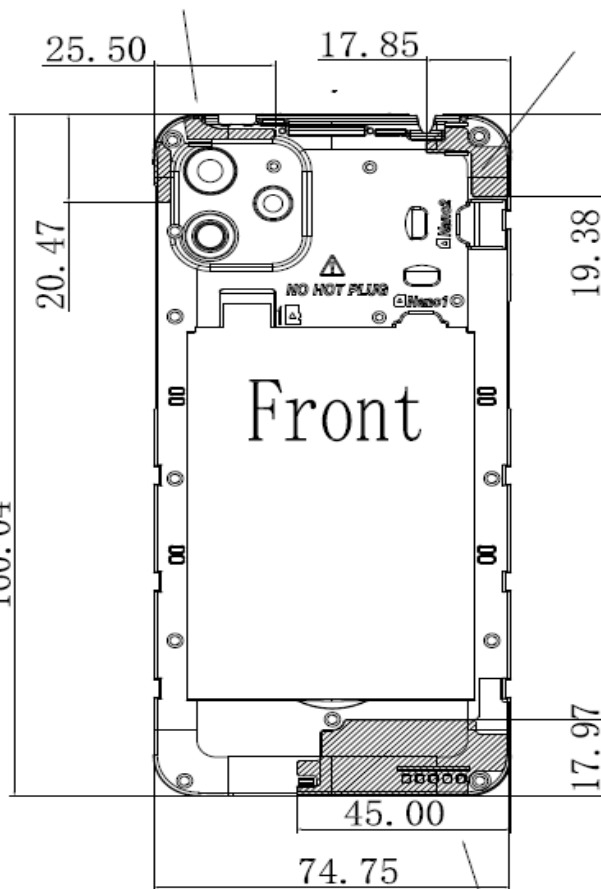
17.97

45.00

74.75

GSM/WCDMA/LTE Main Antenna

Bottom





All of Implementation antenna

Main antenna(Antenna Label:A):

LTE B2/B3/B4/B5/B7/B28AB/B38 RX&TX

WCDMA B1/B2/B5 RX&TX

GSM B2/B3/B5/B8 RX&TX

DIV antenna(Antenna Label:B):

LTE B2/B3/B4/B5/B7/B28AB/B38 RX

WCDMA B1/B2/B5 RX

GSM B2/B3/B5/B8 RX

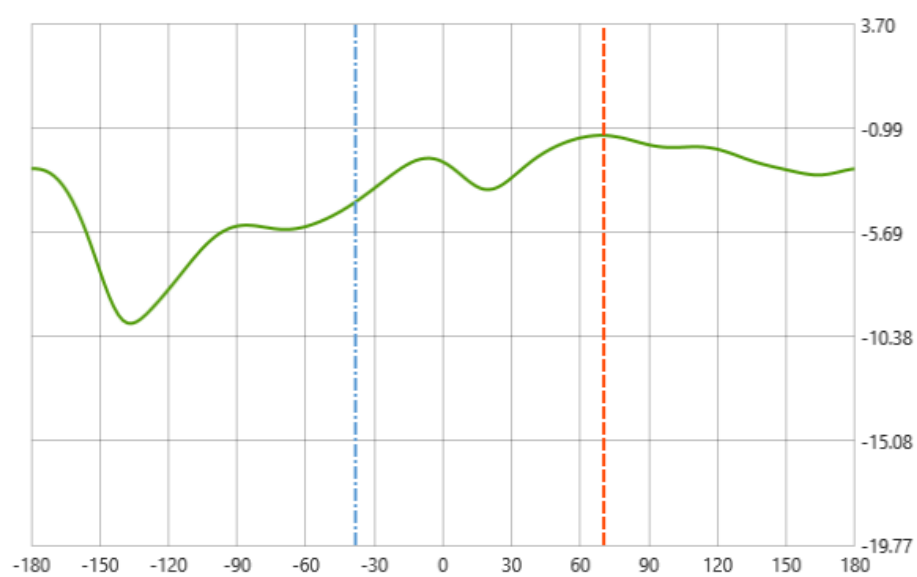
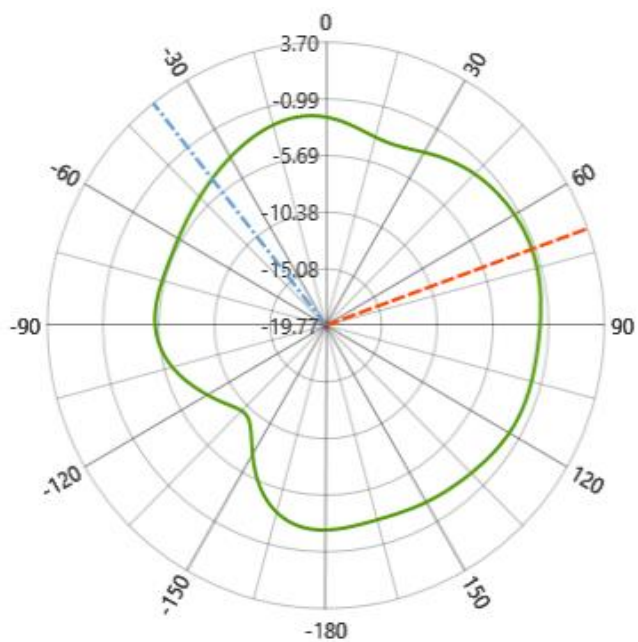
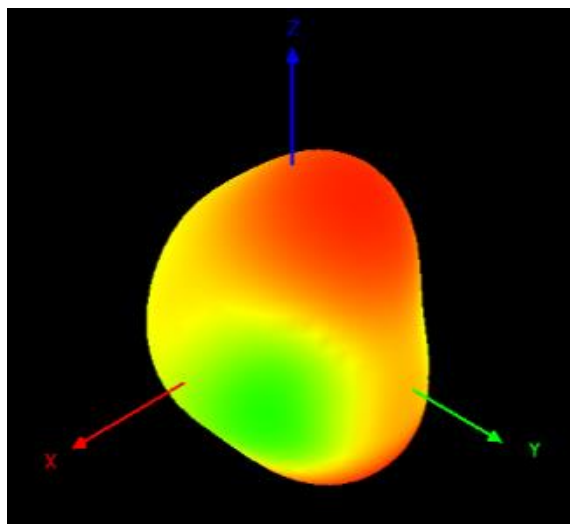
WiFi/BT 2.4~2.5G/2412MHz~2472MHz& /GPS: 1575.42 MHz ;

Antenna Max. Peak Gain:

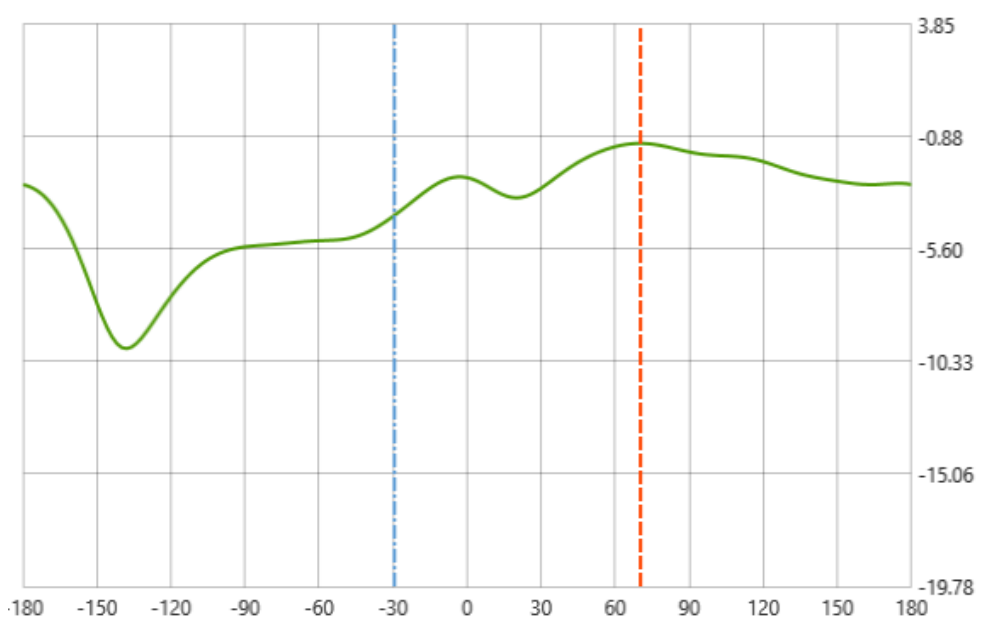
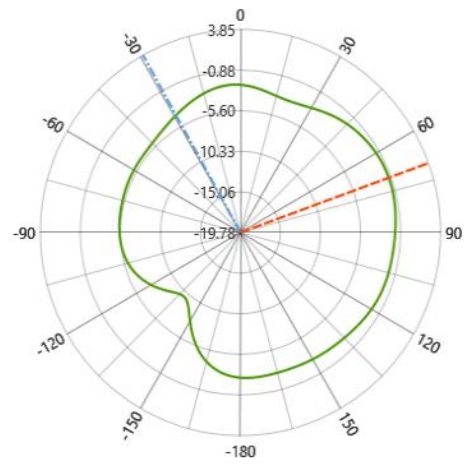
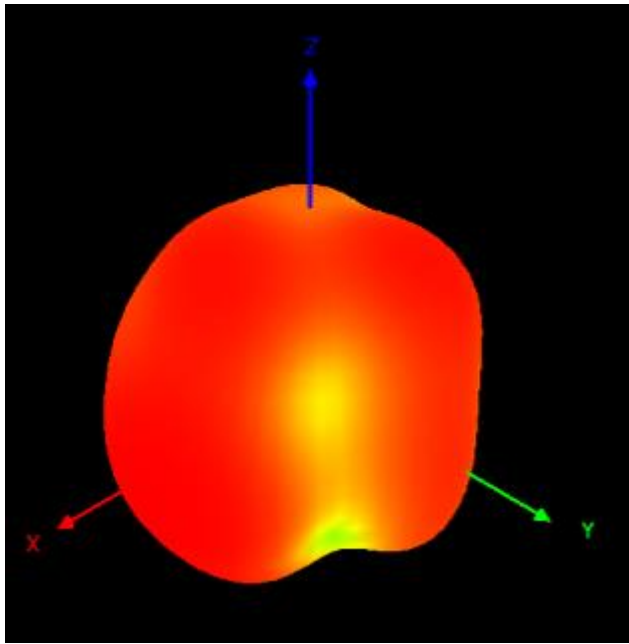
GSM850: -1.15dBi
EGSM900:-1.21dBi
DCS1800: -0.79dBi
PCS1900: -0.81dBi
WCDMA2100: -0.93dBi
WCDMA1900: -0.81dBi
WCDMA850: -1.15dBi
LTE-B2: -0.81dBi
LTE-B3: -0.79dBi
LTE-B4: -1.24dBi
LTE-B5: -1.15dBi
LTE-B7: -1.07dBi
LTE-B28: -1.31dBi
LTE-B38: -1.07dBi
WIFI (2.4G)/BT: -1.35dBi
GPS:-1.41Bi

3. 天线苹果图

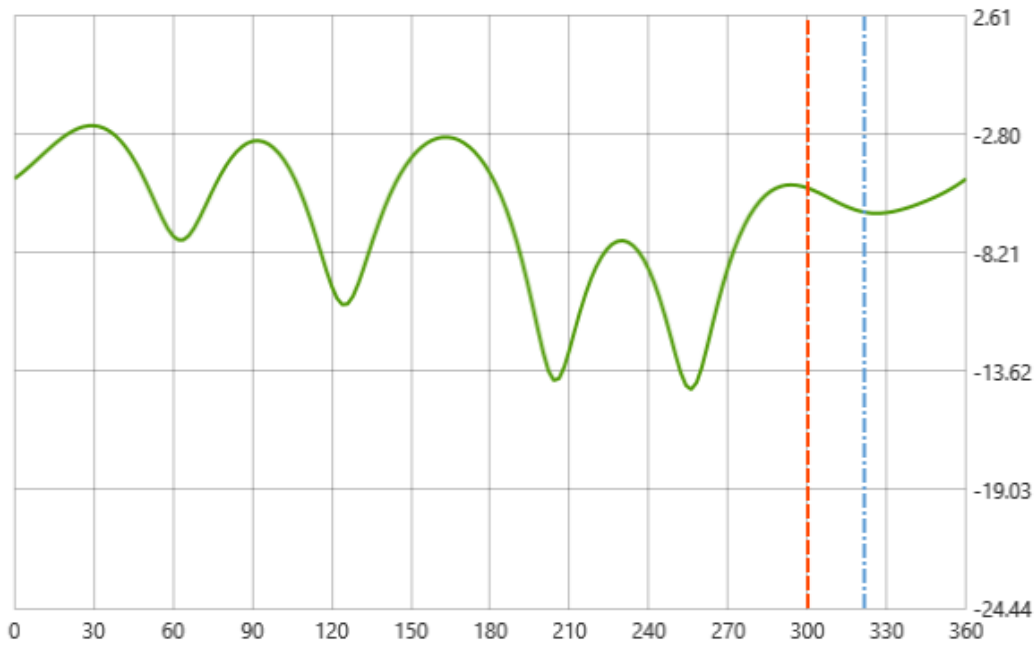
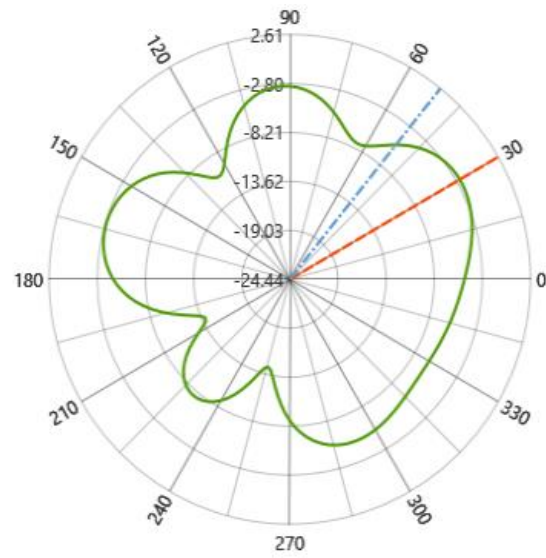
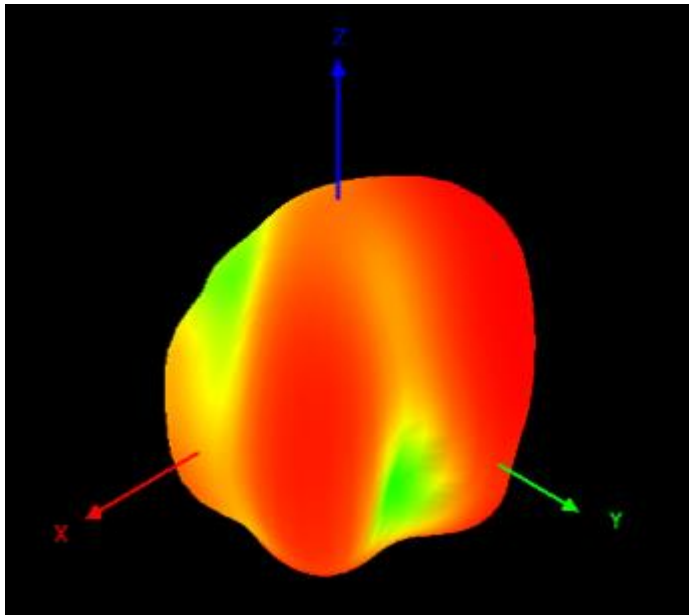
703MHZ~960MHZ



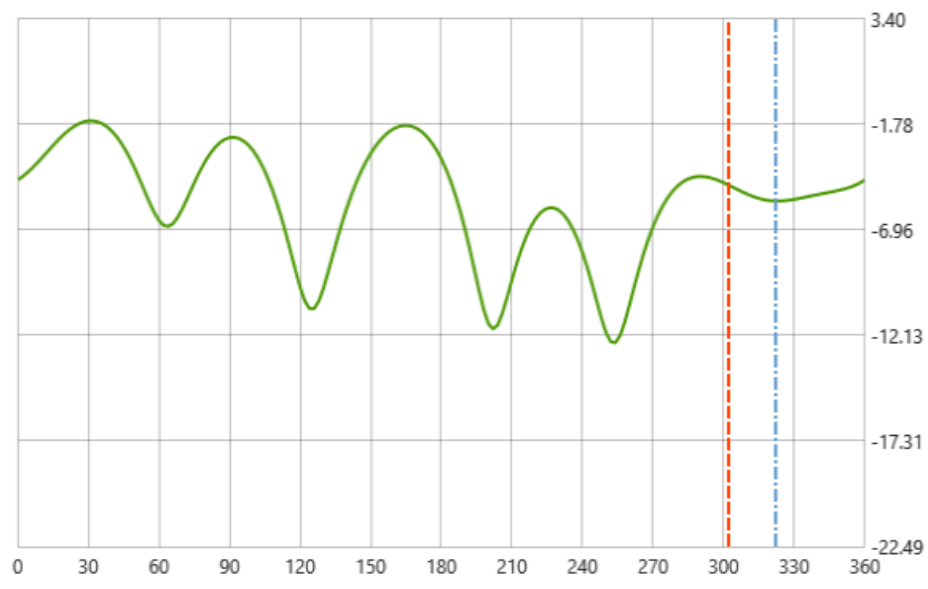
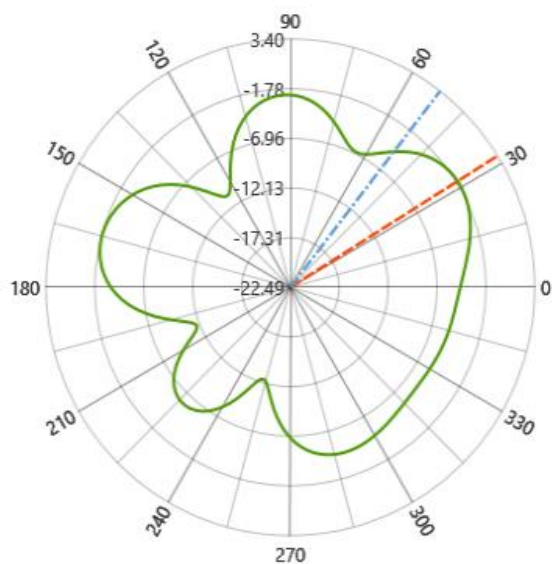
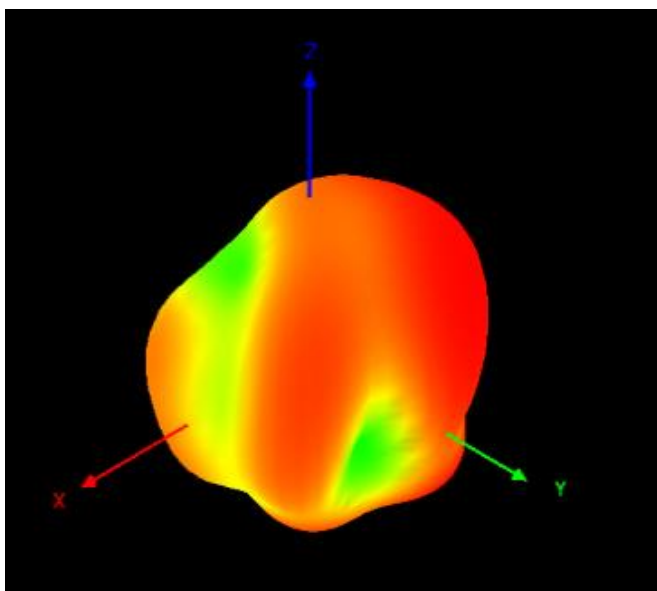
1710MHZ~2170MHZ



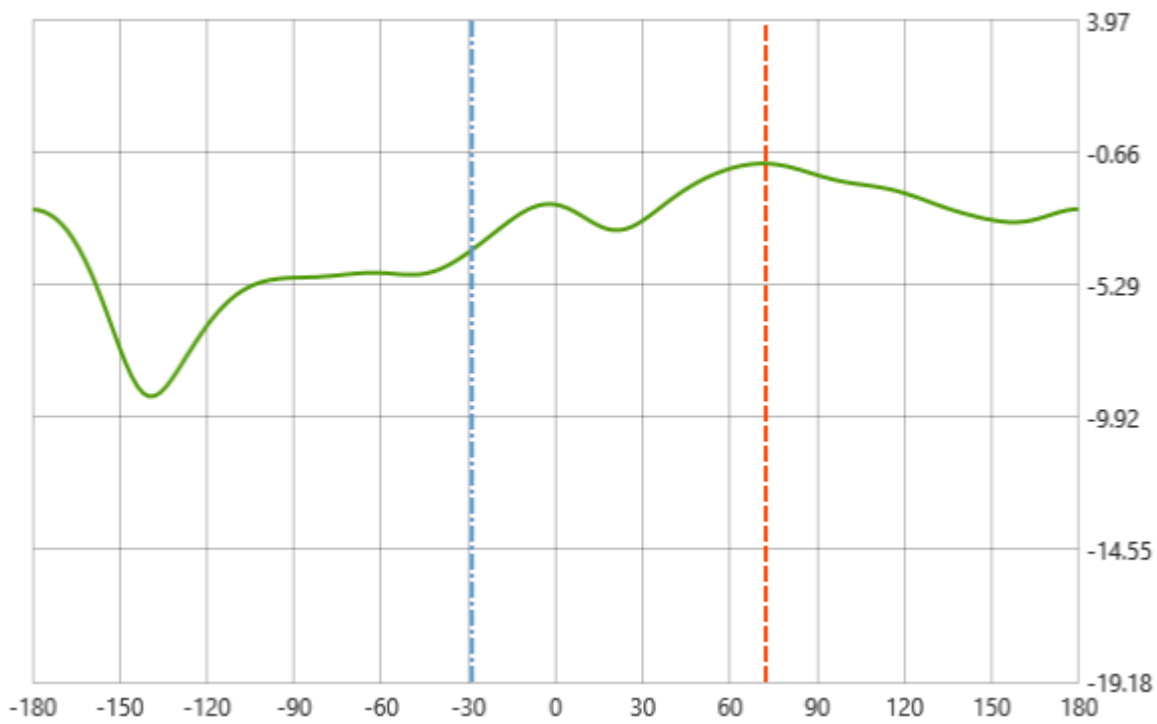
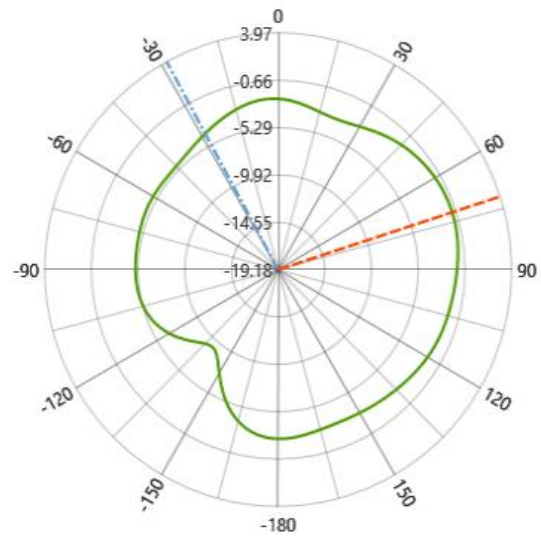
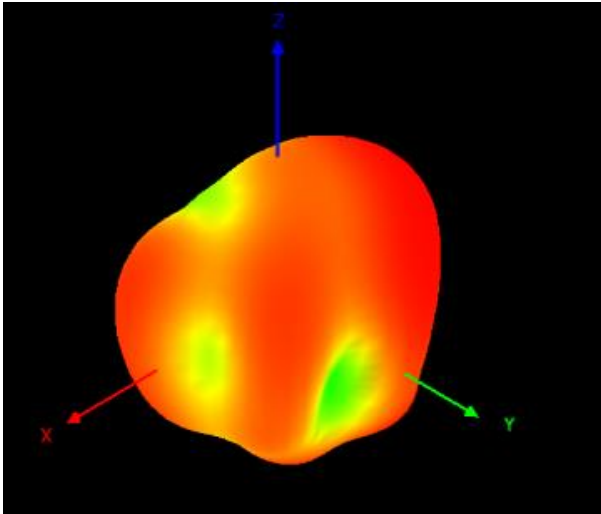
2300MHZ~2700MHZ



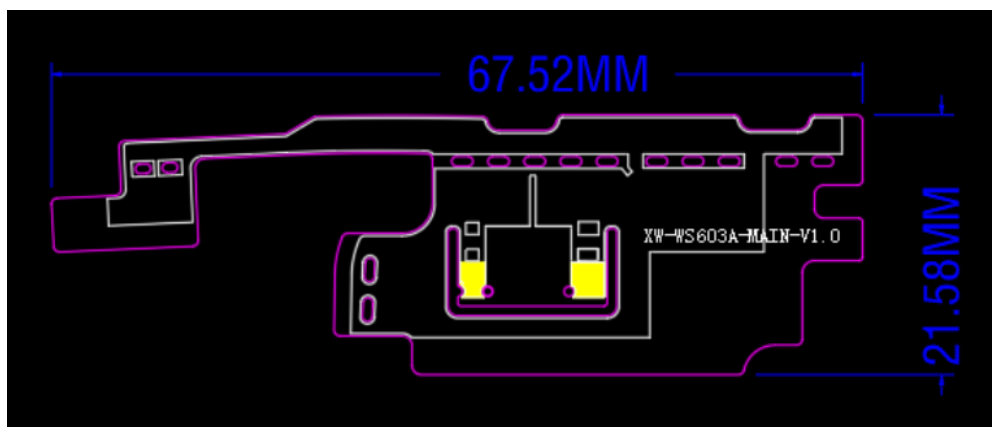
1550MHZ~1600MHZ (GPS)



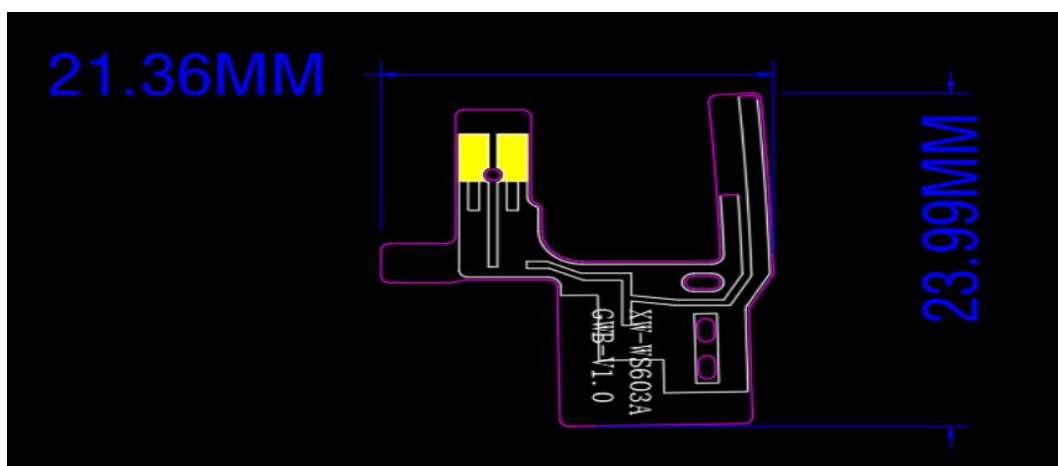
2400MHZ~2500MHZ (BT/WIFI 2.4G)



Dimensional drawing of main antenna



Dimensional drawing of GPS/WIFI/BT antenna



Dimensional drawing of diversity antenna

