

天 线 规 格 书



Mobile antenna test report

Heyuan Xunwei Communication Technology Co., Ltd

RF:Wangxin

feng

Date:2025.09.05

Office address: A316, Bldg. A, Languang Technology Bldg., No. 5

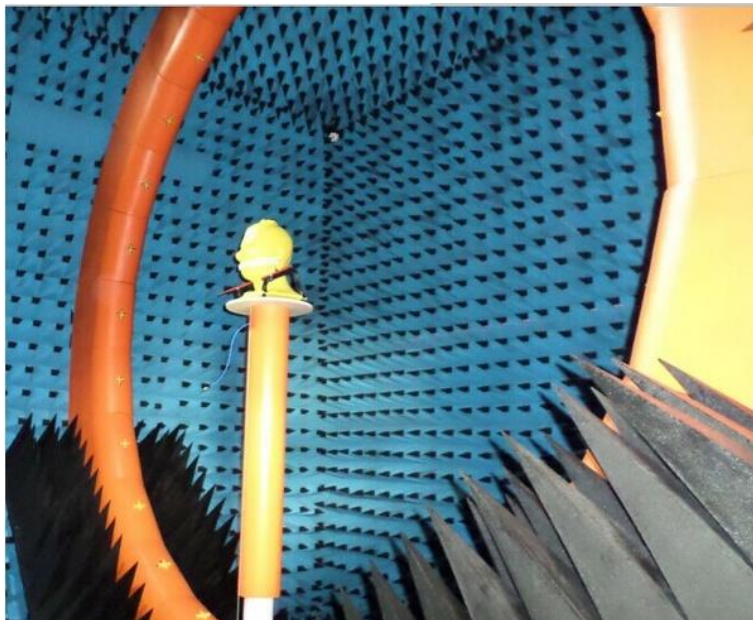
Xinxi Rd. W, Nanshan Dist., Shenzhen,

Test equipment

Wireless communications test set: CMW500

Network Analyzer: Agilent 5071B

Anechoic Chamber : SATIMO SG24



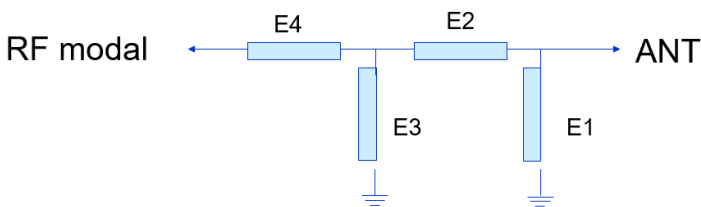
Antenna information

Customer	Boat of wealth
----------	----------------

Antenna model	FPC
Antenna type	PIFA
Antenna band	GSM850/900/1800/1900 WCDMA- B1/B2/B4/B5/B8 LTE-B2/B3/B4/B5/B7/B12/B17/B28AB/B66/B71

frequency range (MHz)	617-960	1710-2170	2500-2690
VSWR	<3.5	<3.5	<3.5

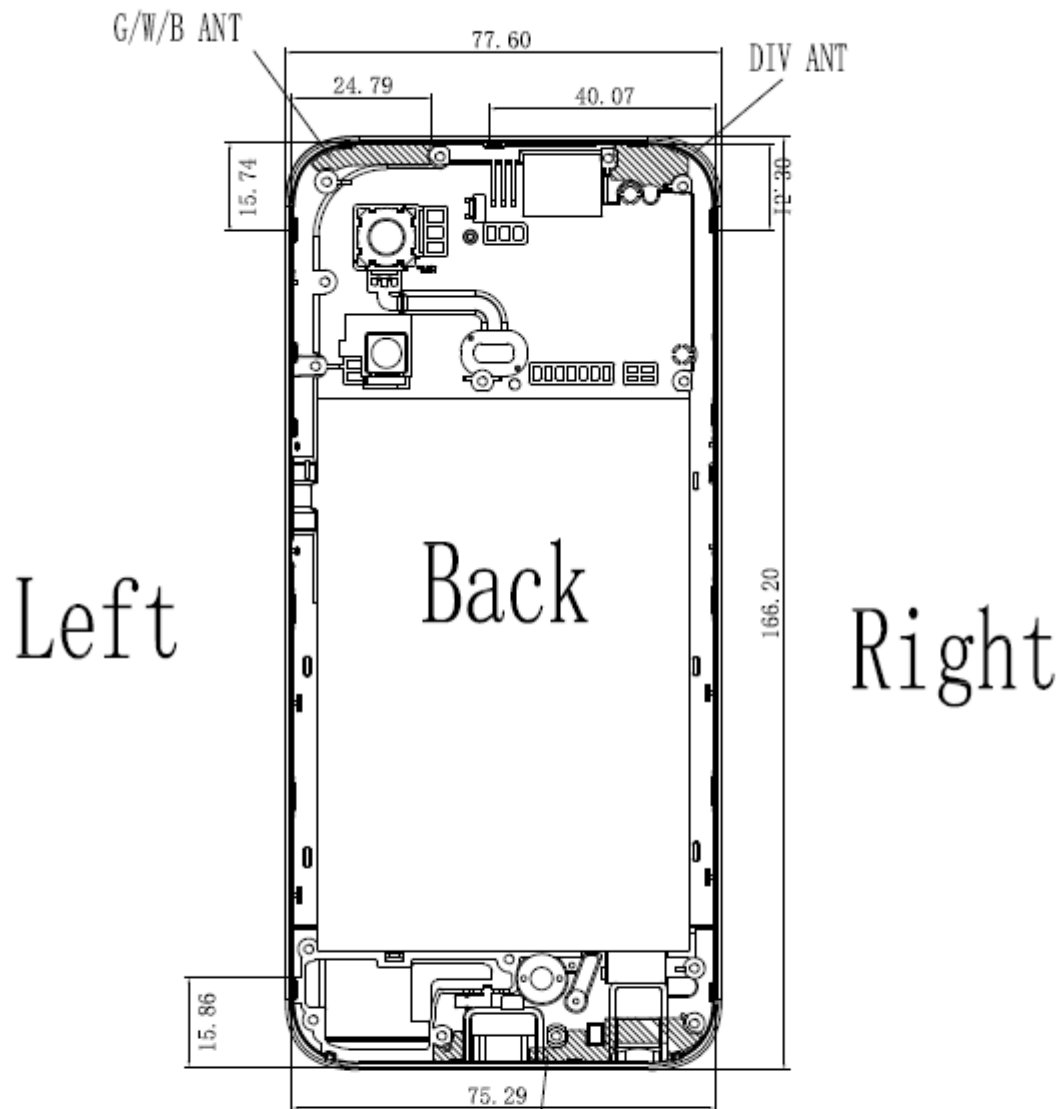
Matching circuit (No modification) :



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



WWAN Main ANT

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

DIV ANT: for M/H Band Tx&Rx

Bottom



All of Implementation antenna

Main antenna(Antenna Label:A):

LTE B5/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

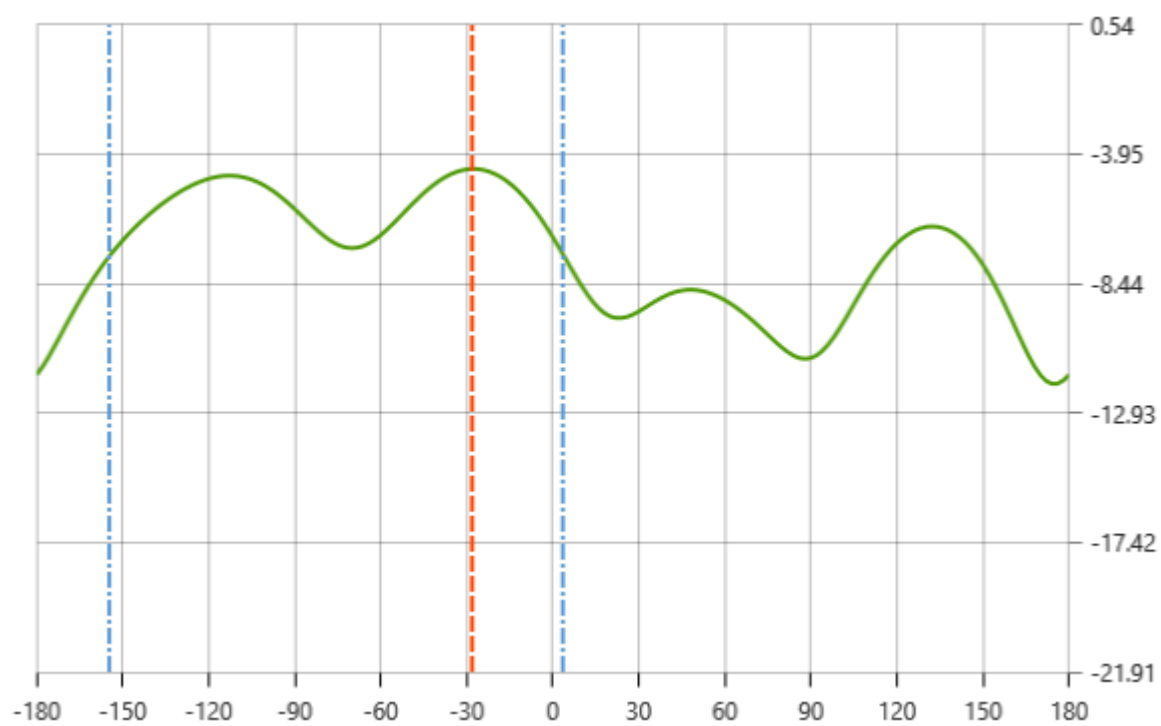
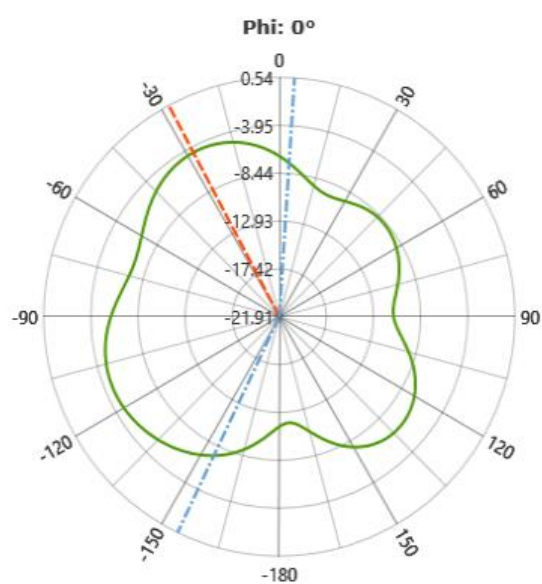
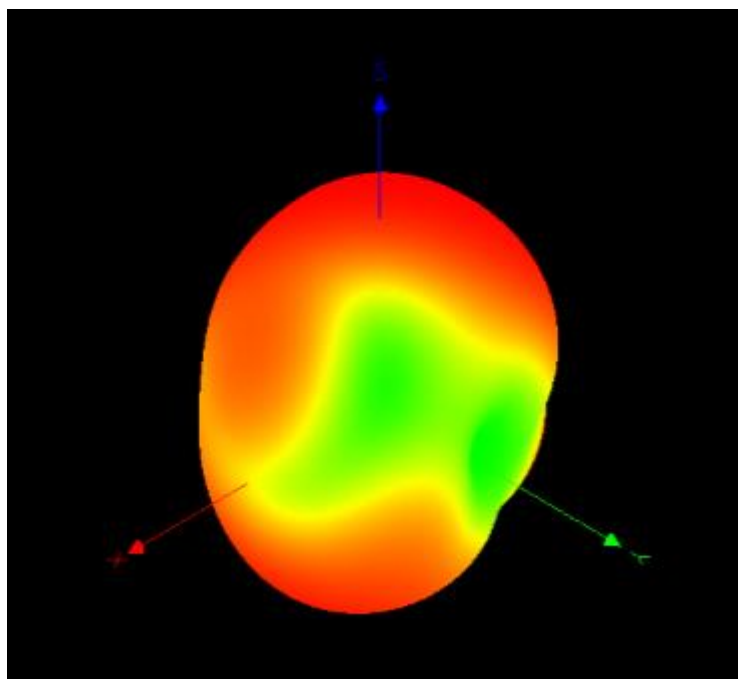
WiFi/BT 2.4~2.5G/2412MHz~2472MHz& /GPS: 1575.42 MHz ;

Antenna Max. Peak Gain:

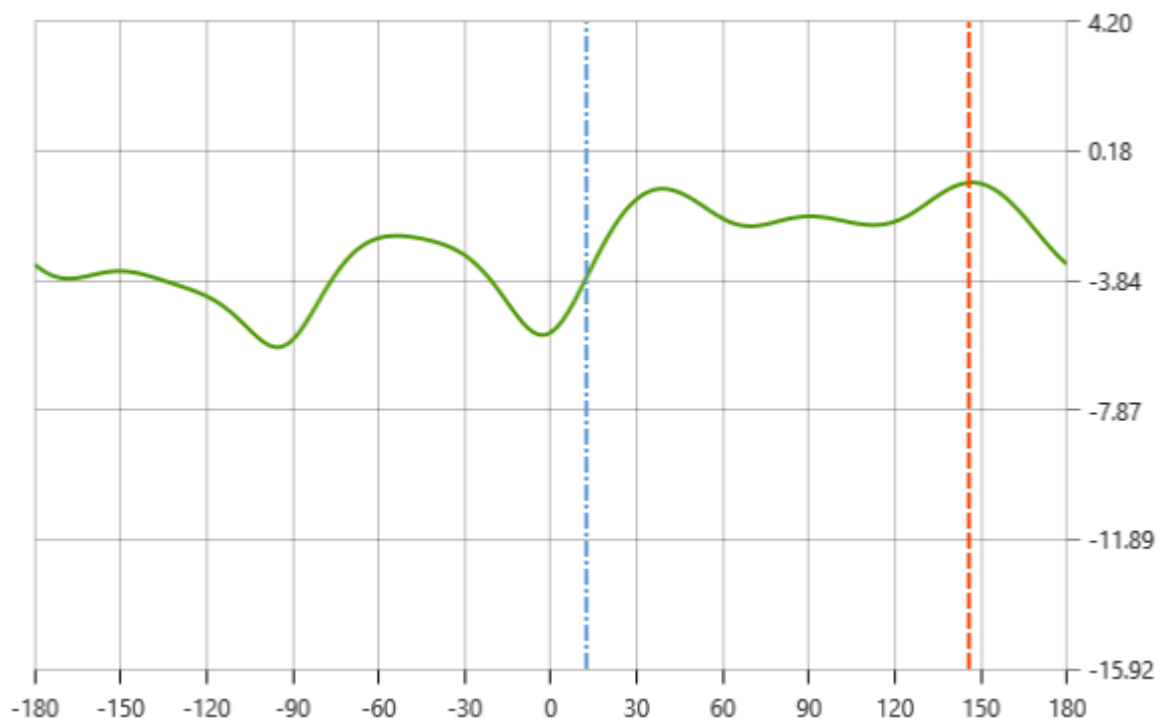
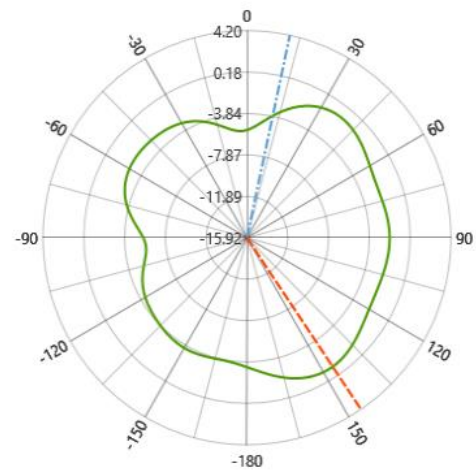
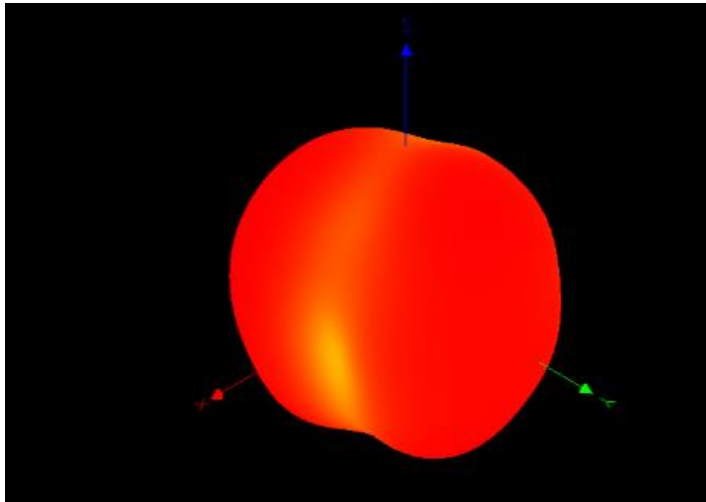
GSM850: -1.65dBi
EGSM900:-1.51dBi
DCS1800: -1.89dBi
PCS1900: -1.31dBi
WCDMA W1: -1.37dBi
WCDMA W2: -1.21dBi
WCDMA W4: -1.55dBi
WCDMA W5: -1.55dBi
WCDMA W8: -1.51dBi
LTE-B2: -1.21dBi
LTE-B3: -1.89dBi
LTE-B4: -1.84dBi
LTE-B5: -1.65dBi
LTE-B7: -1.97dBi
LTE-B12: -1.85dBi
LTE-B17: -1.75dBi
LTE-B28: -1.81dBi
LTE-B66: -1.87dBi
LTE-B71: -1.95dBi
WIFI (2.4G)/BT: -1.25dBi
WIFI 5G: -1.62dBi
GPS:-1.51Bi

3. 天线苹果图

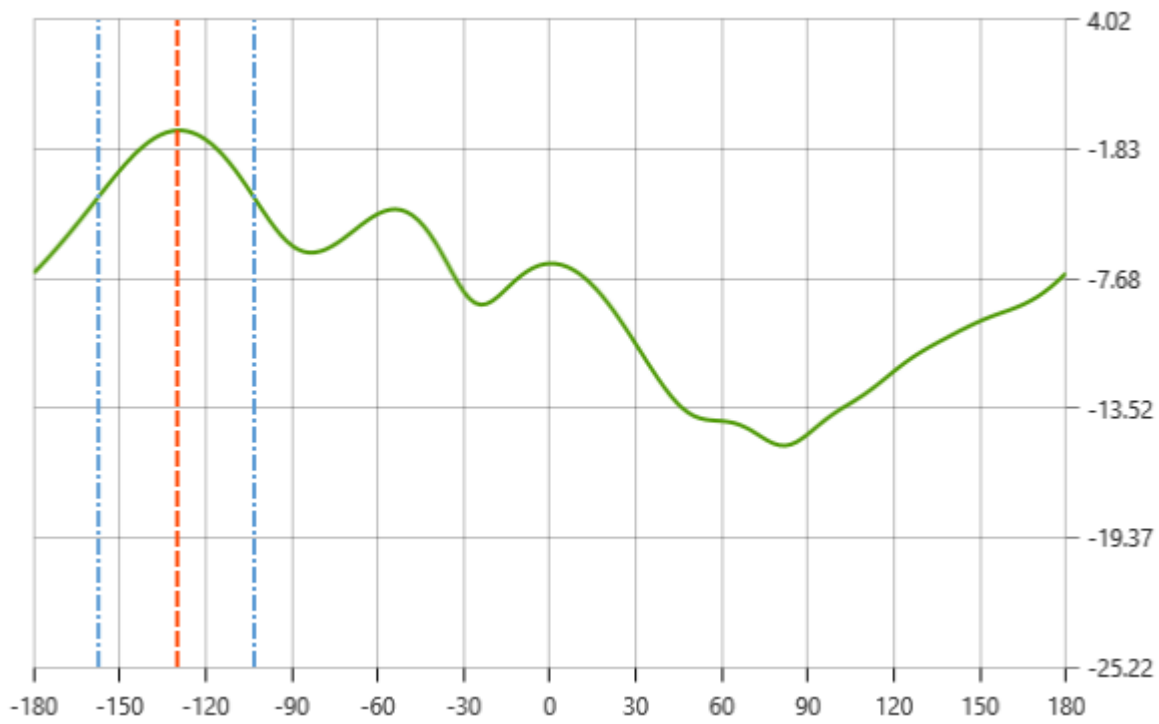
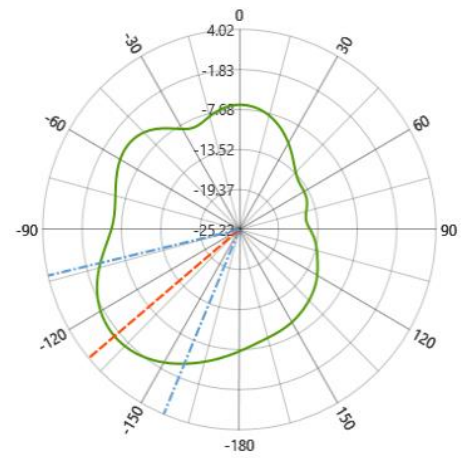
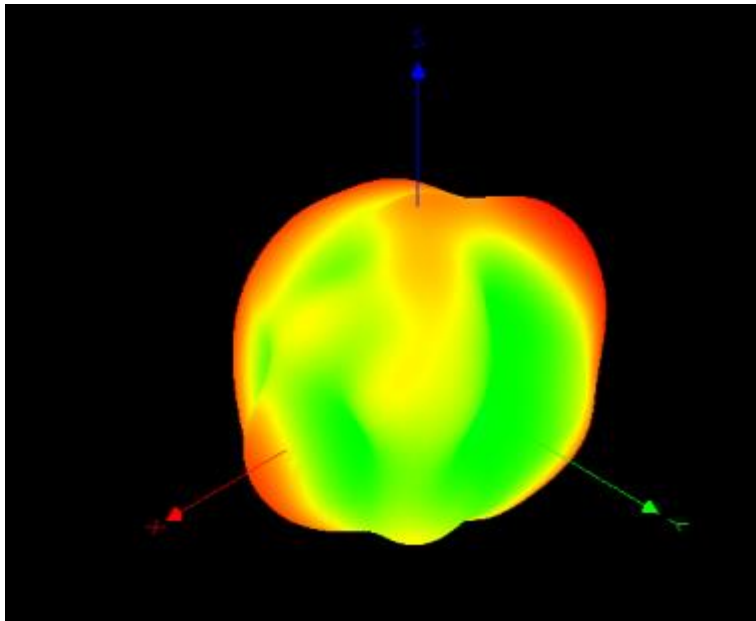
617MHZ~960MHZ



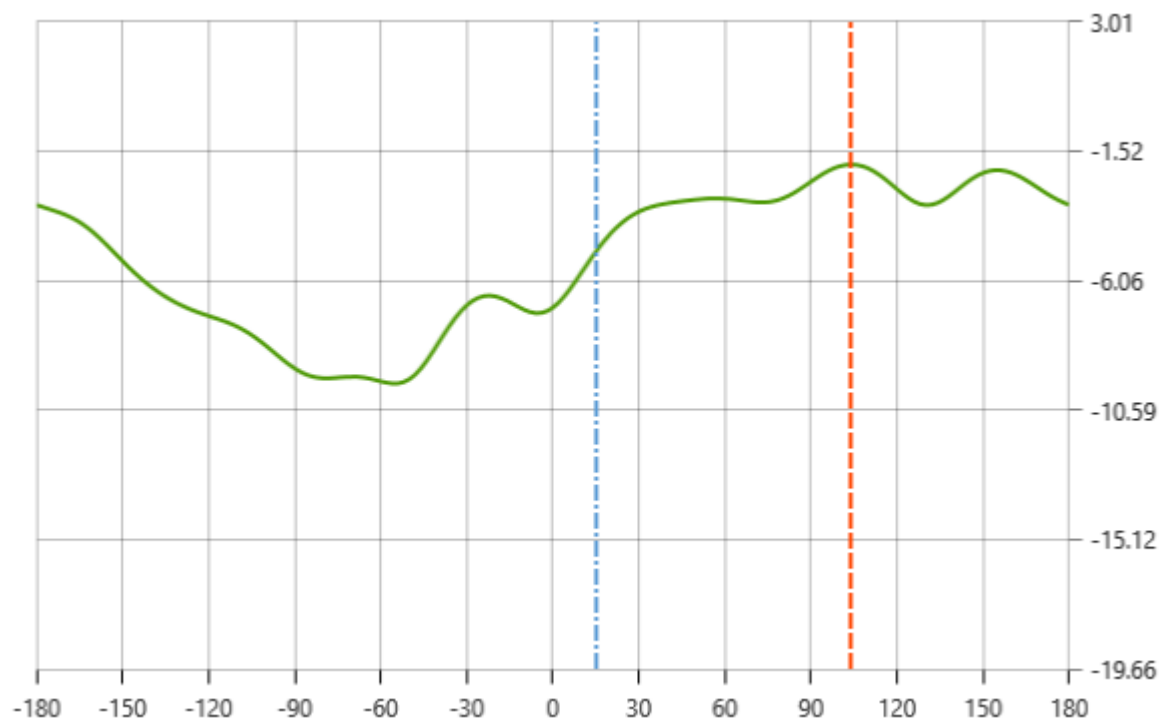
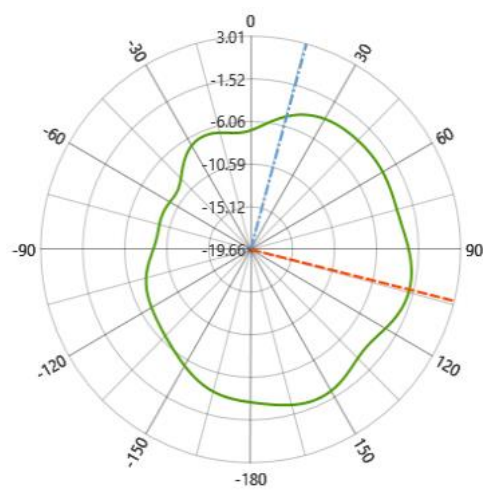
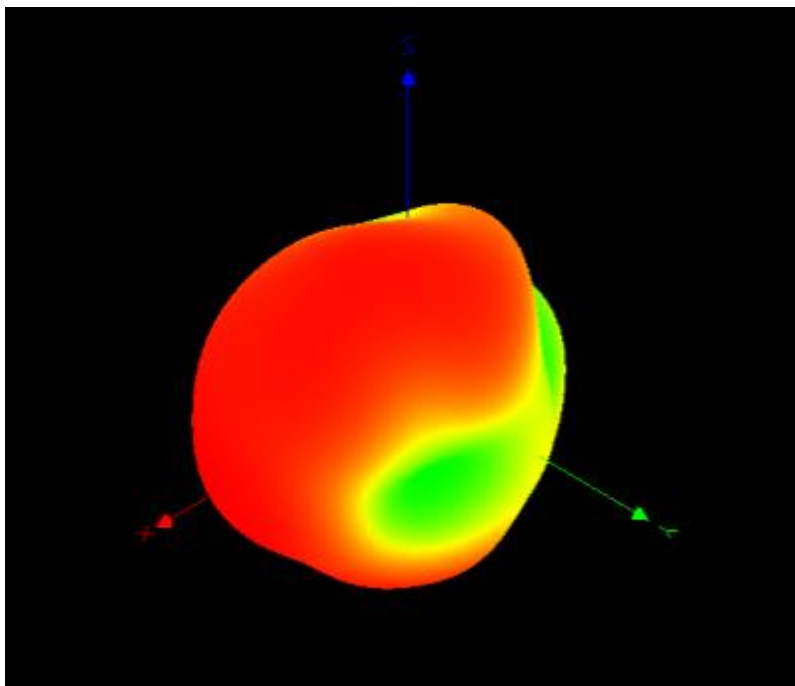
1710MHZ~2170MHZ



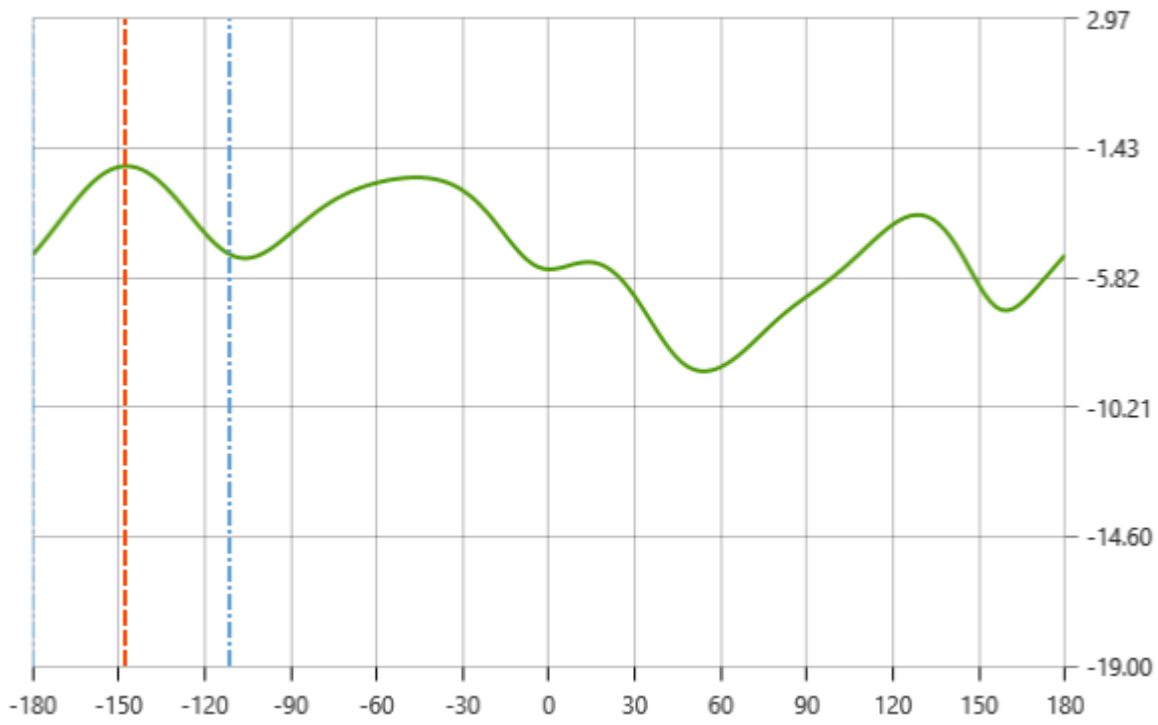
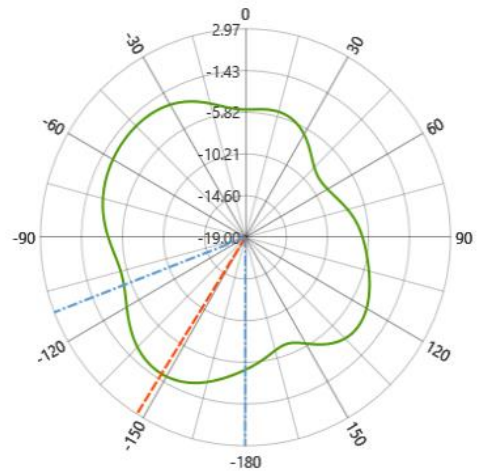
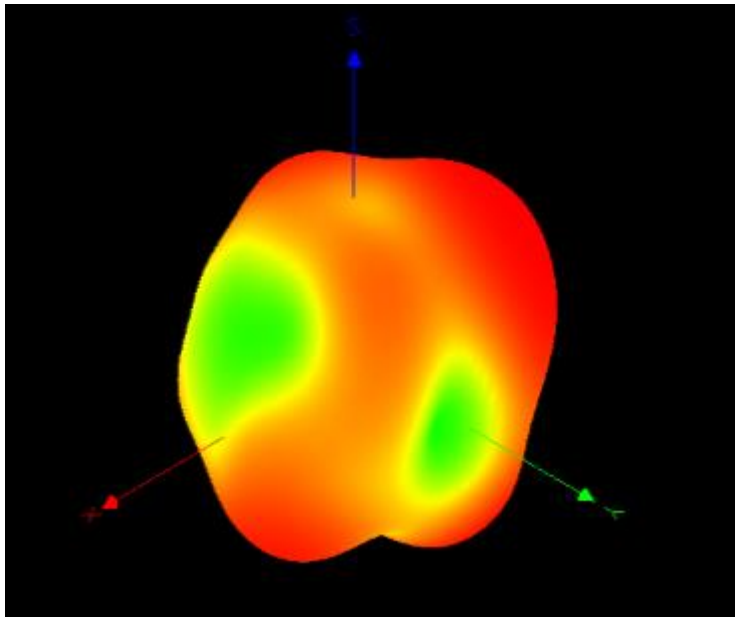
2300MHZ~2700MHZ



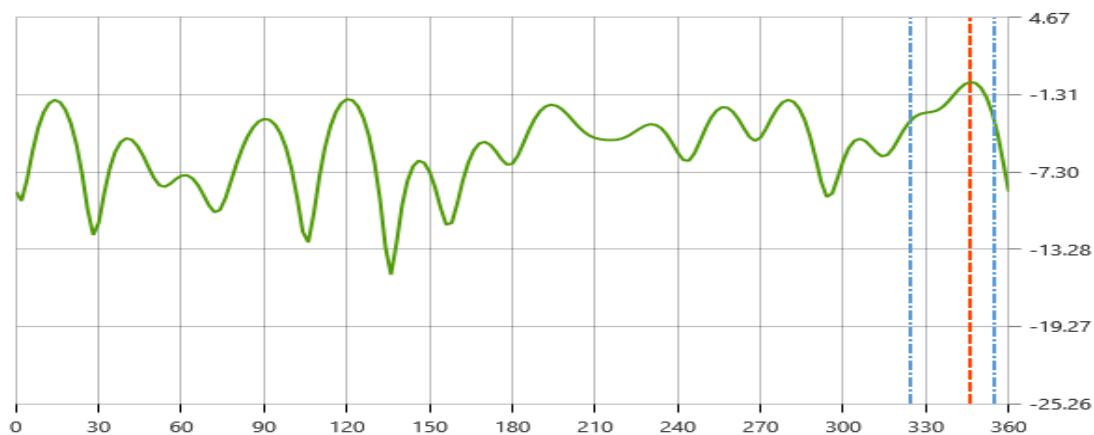
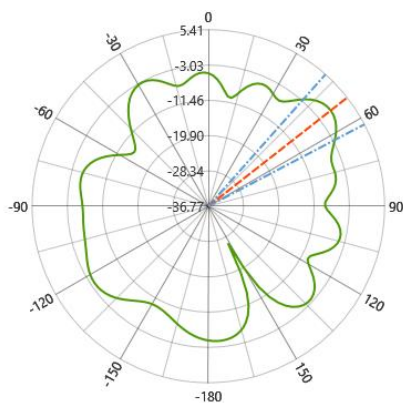
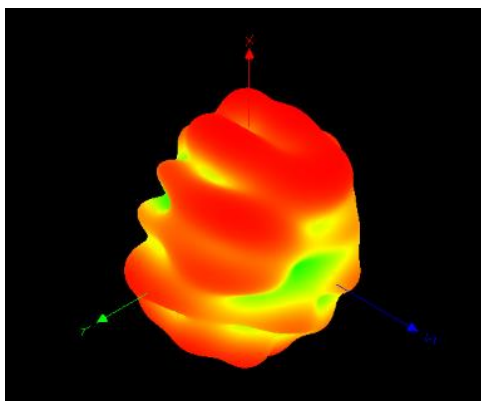
1550MHZ~1600MHZ (GPS)



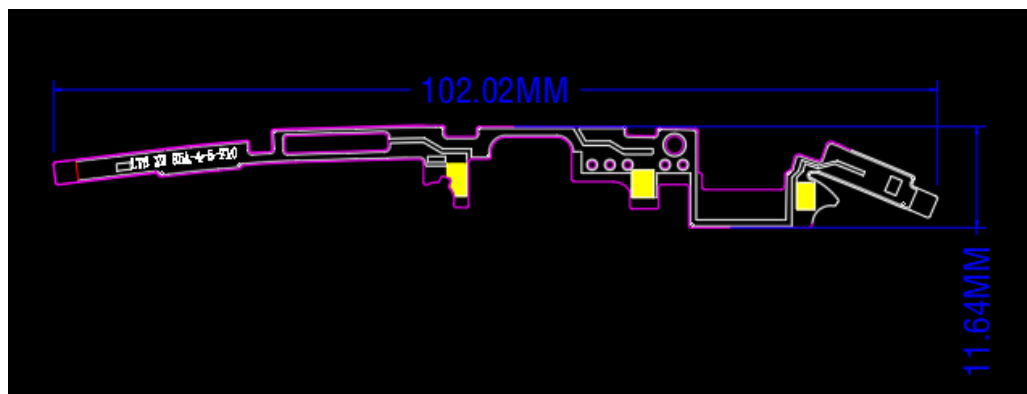
2400MHZ~2500MHZ (BT/WIFI 2.4G)



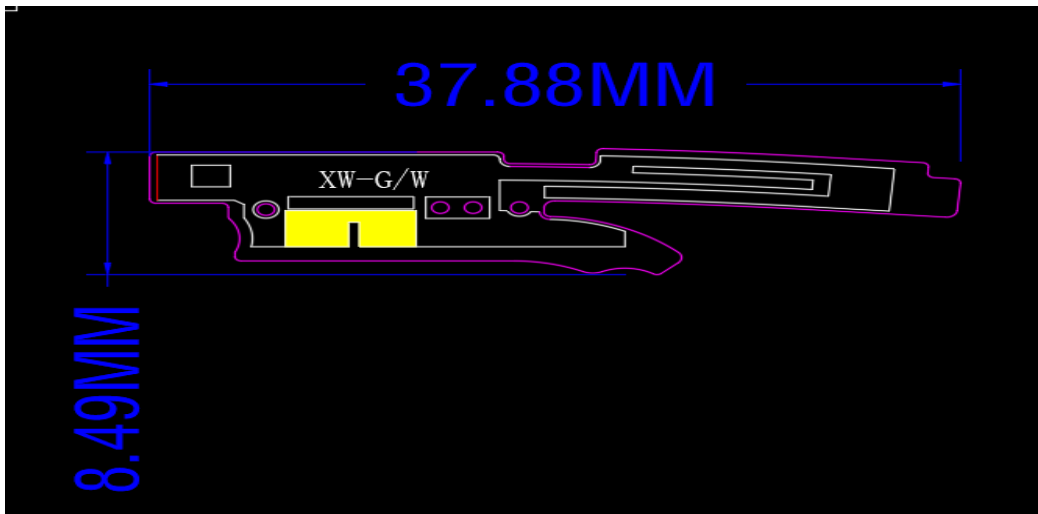
5100MHZ~5820MHZ (BT/WIFI 5G)



Dimensional drawing of main antenna



Dimensional drawing of GPS/WIFI/BT antenna



Dimensional drawing of diversity antenna

