

天 线 规 格 书



Mobile antenna test report

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ming

Date:2025.10.13

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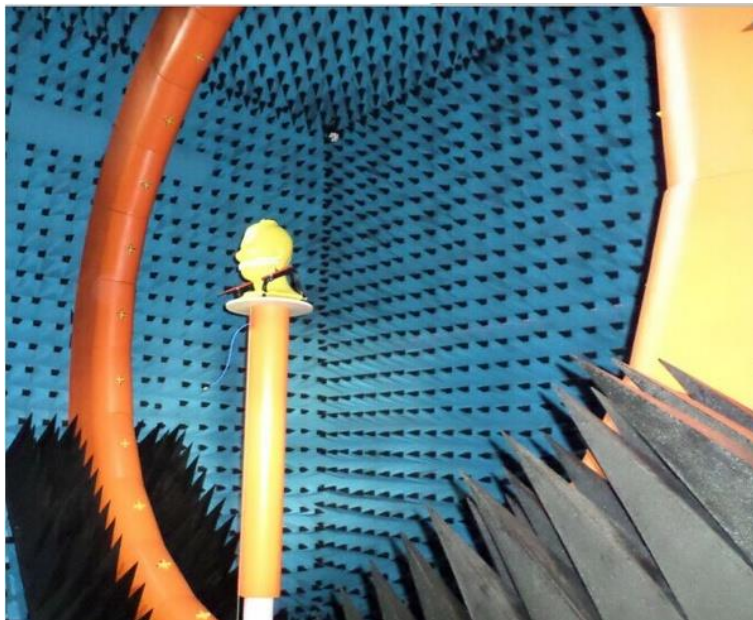
Xinxi Rd. W, Nanshan Dist., Shenzhen,

Test equipment

Wireless communications test set: CMW500

Network Analyzer: Agilent 5071B

Anechoic Chamber : SATIMO SG24



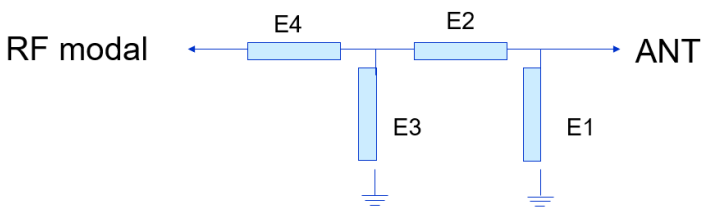
Antenna information

Customer	Boat of wealth
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Antenna model	FPC
Antenna type	PIFA
Antenna band	GSM850/900/1800/1900 WCDMA- B1/B2/B4/B5/B8 LTE-B1/B2/B3/B4/B5/B7/B8/B12/B13/B17/B28AB/B66/B38/B40

frequency range (MHz)	700–960	1710–2170	2300–2690
VSWR	<3.5	<3.5	<3.5

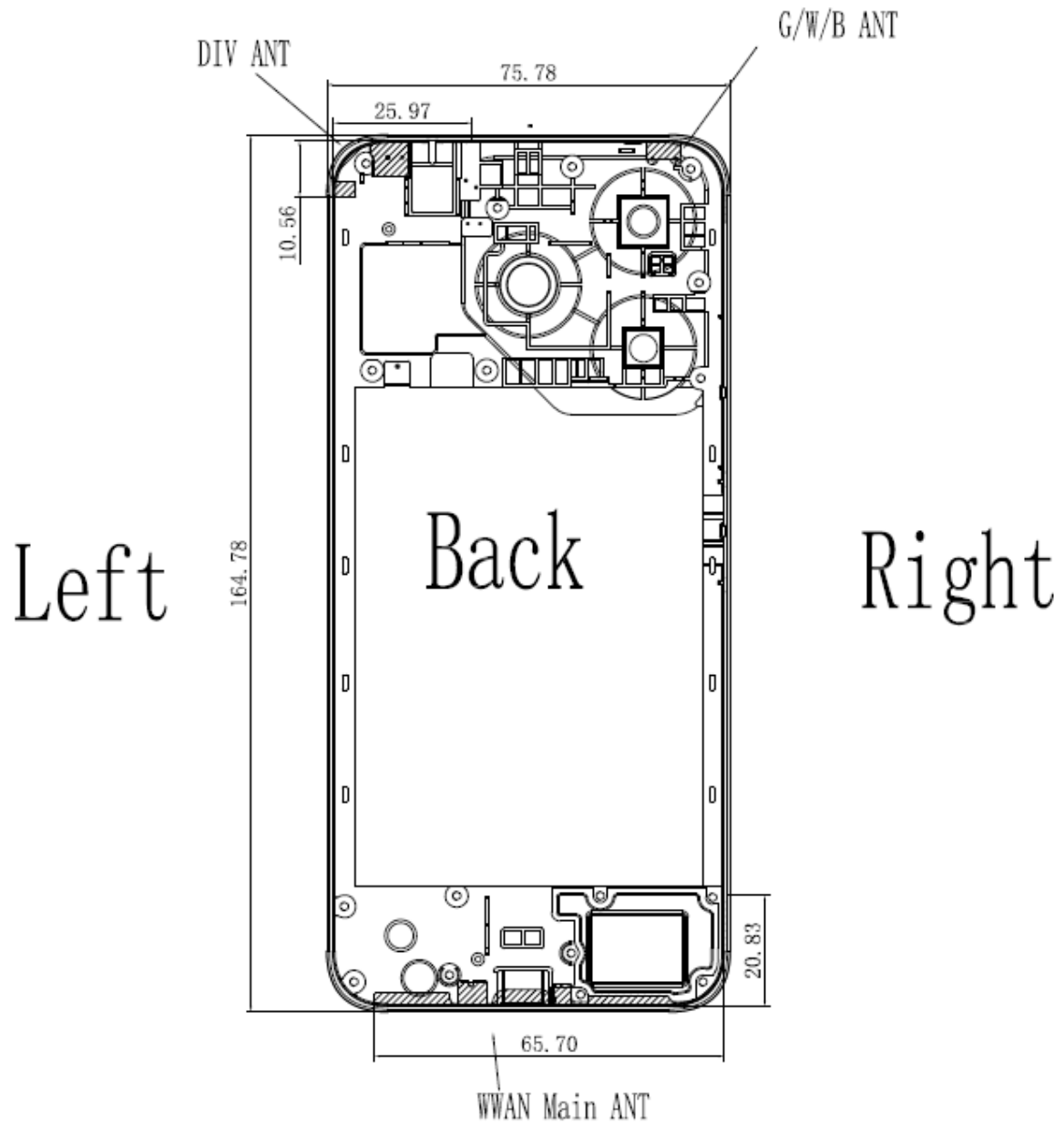
Matching circuit (No modification) :



Element	Value
E1	NC
E2	0 Ω
E3	NC
E4	8.2pf

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

All of Implementation antenna
Main antenna(Antenna Label:A):
LTE B5/B8/B12/B13/B17/B28AB/B40 RX&TX
WCDMA B5/B8 RX&TX
GSM B5/B8 RX&TX

DIV antenna(Antenna Label:B):
LTE B1/B2/B3/B4/B7/B66/B38 RX&TX
WCDMA B1/B2/B4 RX&TX
GSM B2/B3 RX&TX

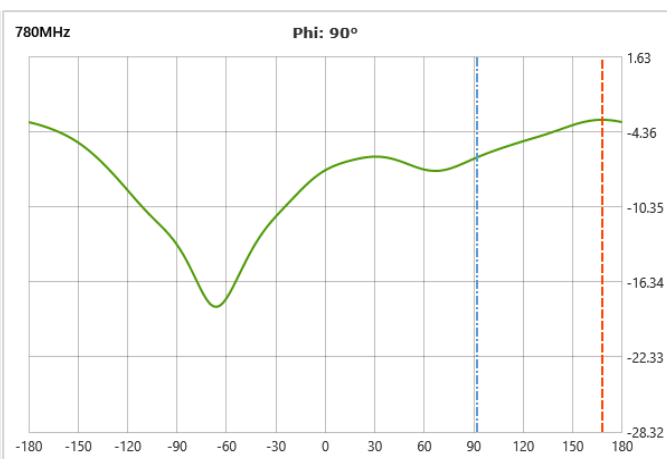
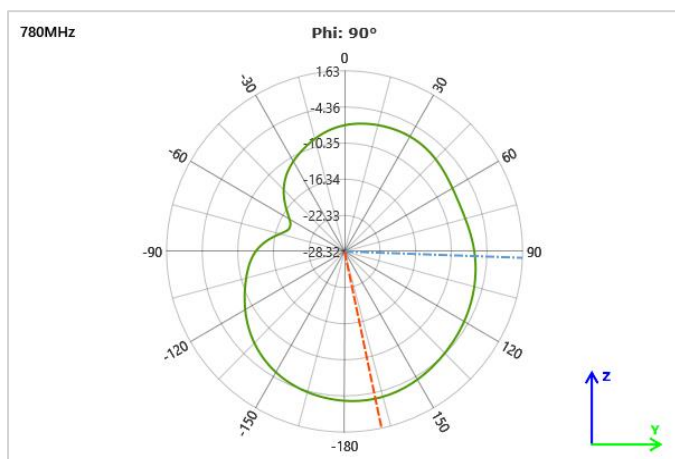
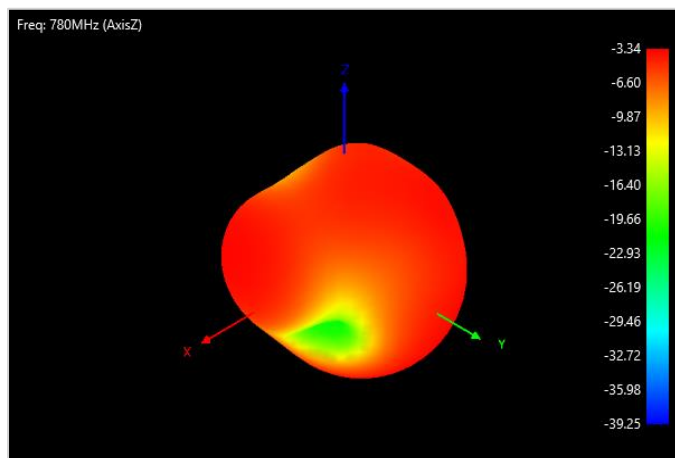
WiFi/BT 2.4~2.5G/2412MHz~2472MHz& /GPS: 1575.42 MHz ;

Antenna Max. Peak Gain:

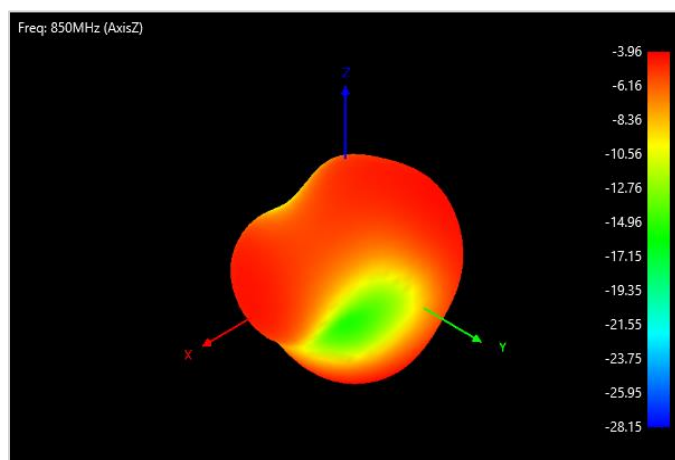
GSM850: -3.59dBi
EGSM900:-3.97dBi
DCS1800: -1.75dBi
PCS1900: -1.14dBi
WCDMA W1: -1.08dBi
WCDMA W2: -1.14dBi
WCDMA W4: -1.75dBi
WCDMA W5: -3.59dBi
WCDMA W8: -3.97dBi
LTE-B1: -1.08dBi
LTE-B2: -1.14dBi
LTE-B3: -1.75dBi
LTE-B4: -1.75dBi
LTE-B5: -3.59dBi
LTE-B7: -1.58dBi
LTE-B8: -3.97dBi
LTE-B12: -3.14dBi
LTE-B13: -3.16dBi
LTE-B17: -3.14dBi
LTE-B28: -3.15dBi
LTE-B66: -1.75dBi
LTE-B38: -1.58dBi
LTE-B40: -1.99dBi
WIFI(2.4G)/BT: -1.67dBi
GPS:-1.42dBi

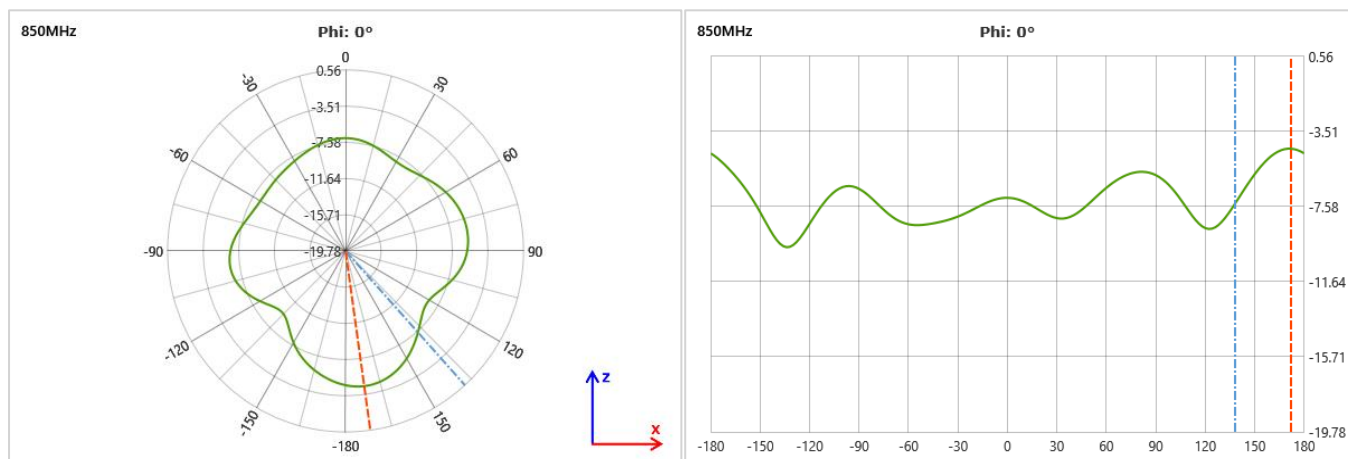
3. 天线苹果图

703MHZ~803MHZ

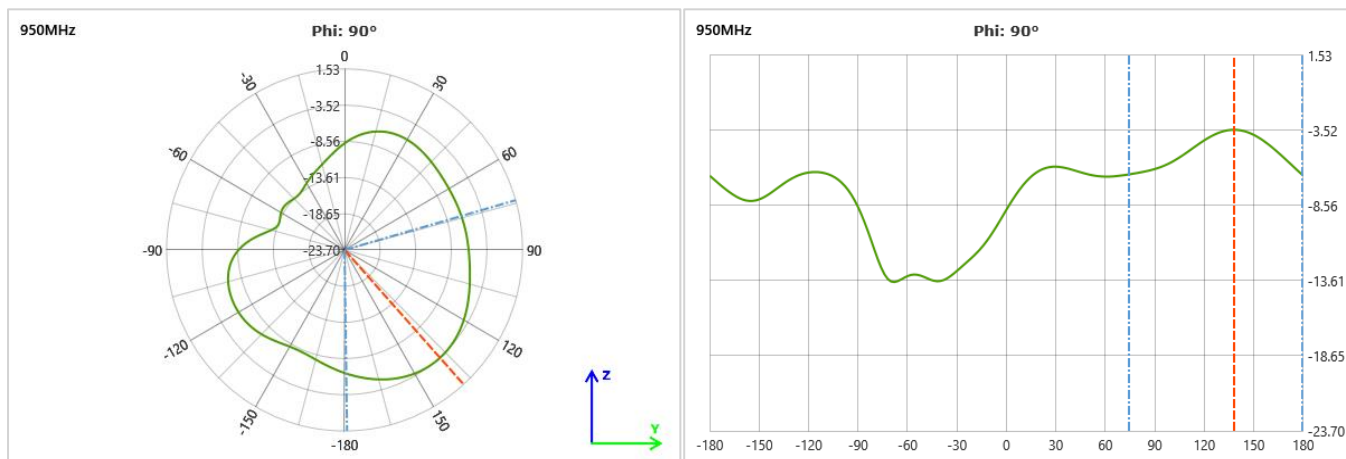
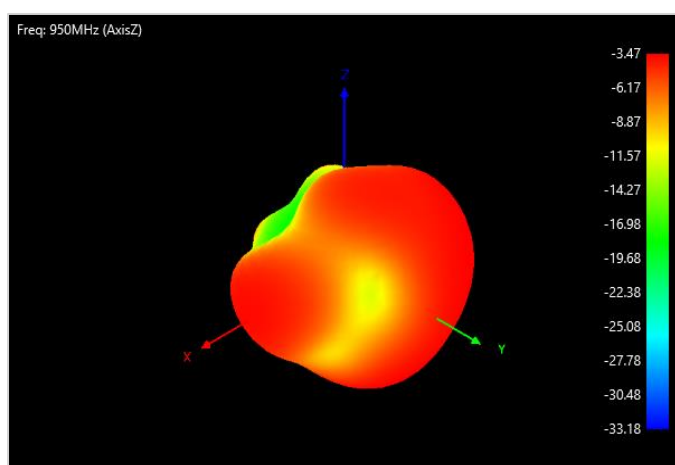


824MHZ~880MHZ

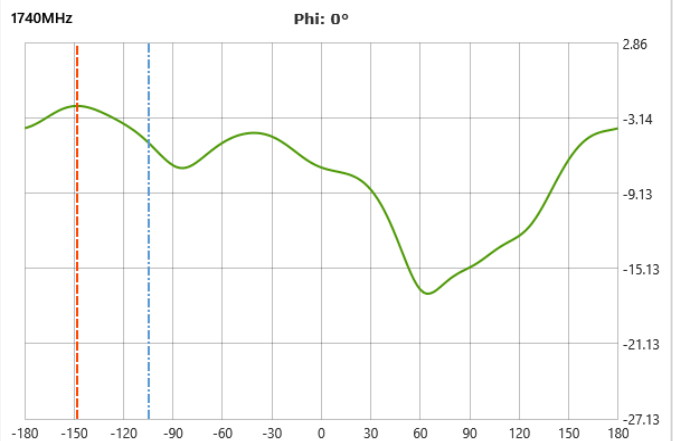
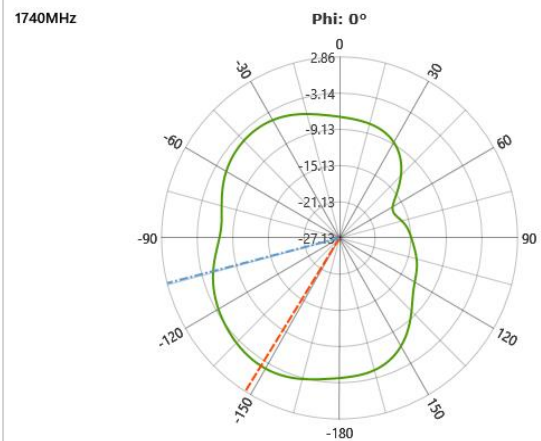
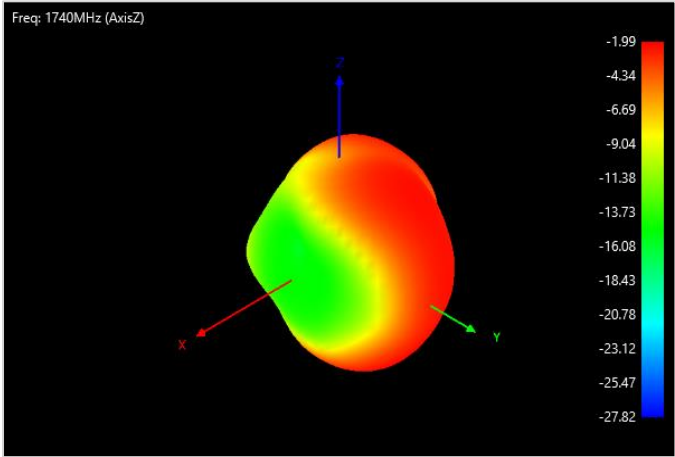




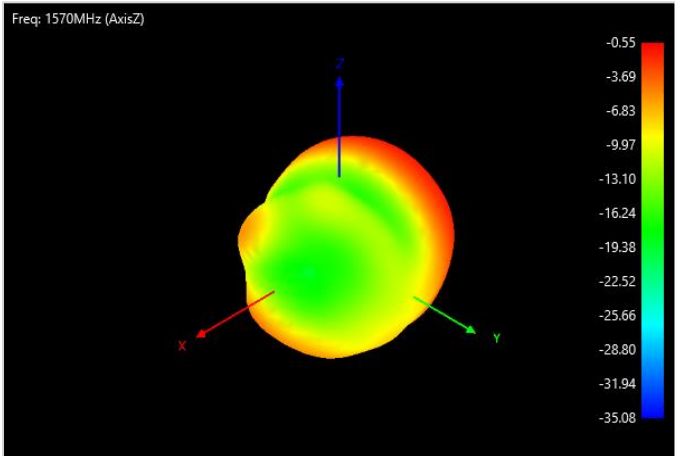
880MHZ~960MHZ

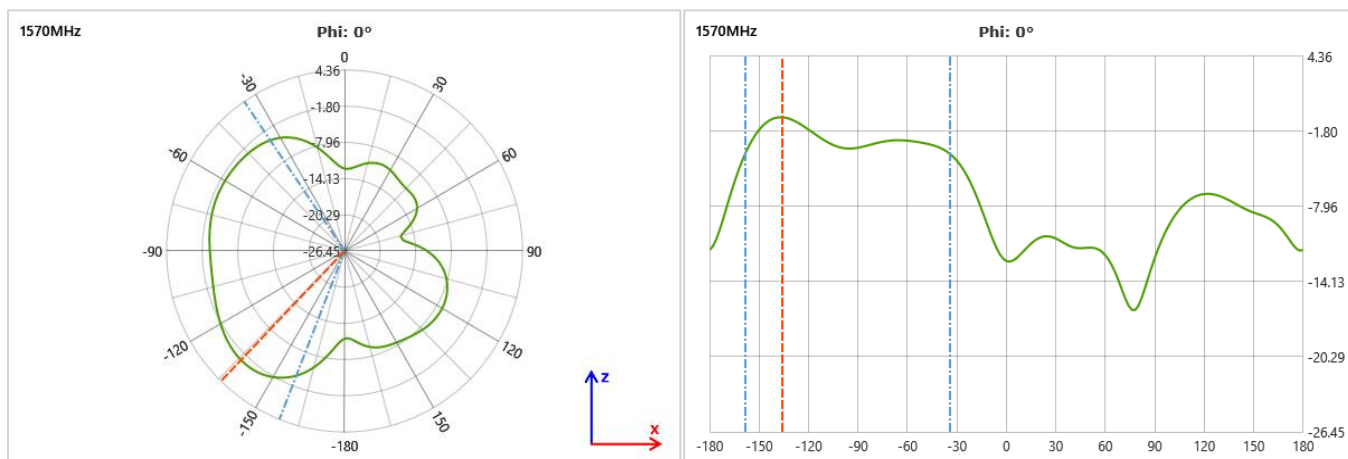


1710MHZ~2700MHZ

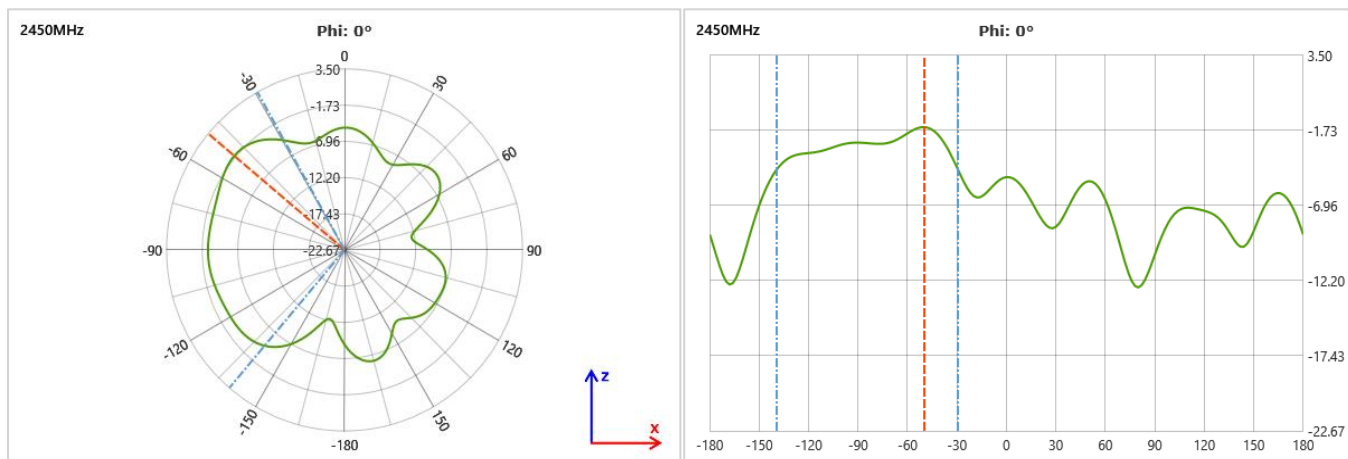
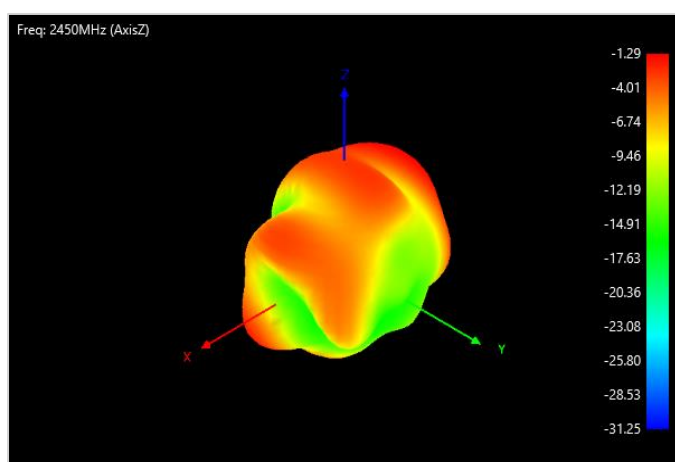


1575.42MHz (GPS)

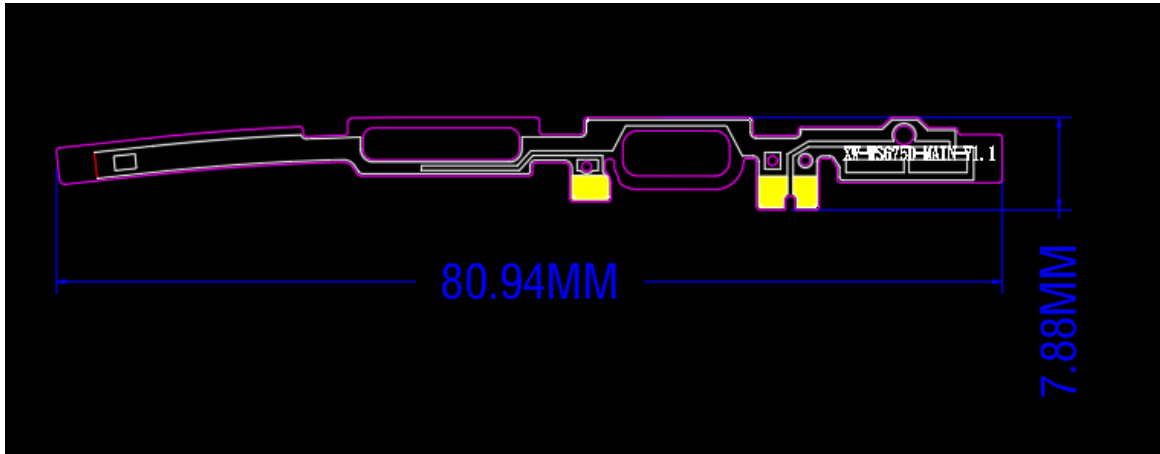




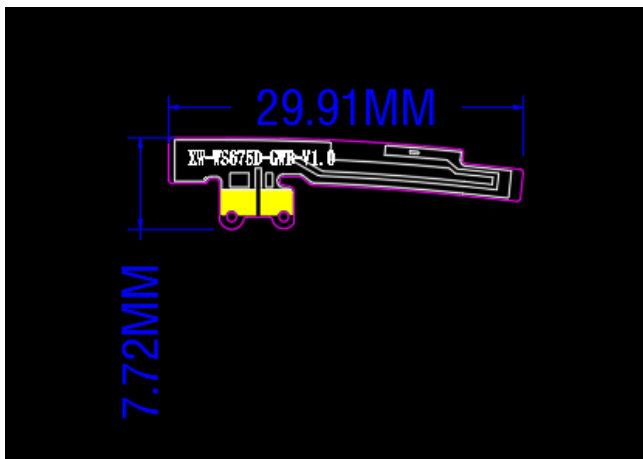
2400MHZ~2500MHZ (BT/WIFI 2.4G)



Dimensional drawing of main antenna



Dimensional drawing of GPS/WIFI/BT antenna



Dimensional drawing of diversity antenna

