

Antenna SPEC



Mobile antenna test report

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COMMUNICATION CO.,LTD

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Date: 2023.12.27

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Test equipment

Wireless communications test set: CMW500

Network Analyzer: Agilent 5071B

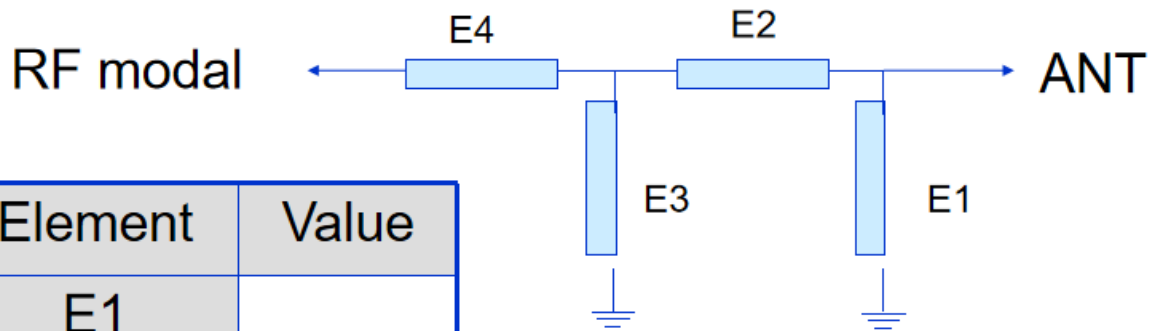
Anechoic Chamber : SATIMO SG24



1. Antenna information

Customer	Boat of wealth	
Antenna Model	DIV: LTE-B GWB: XW-G/W/B Main: XW-WS572-MAIN	
Antenna Type	PIFA Antenna	
Frequency range	603-960MHz	1710-2690MHz
VSWR	<3.5	<3.5

Matching circuit (No modification)

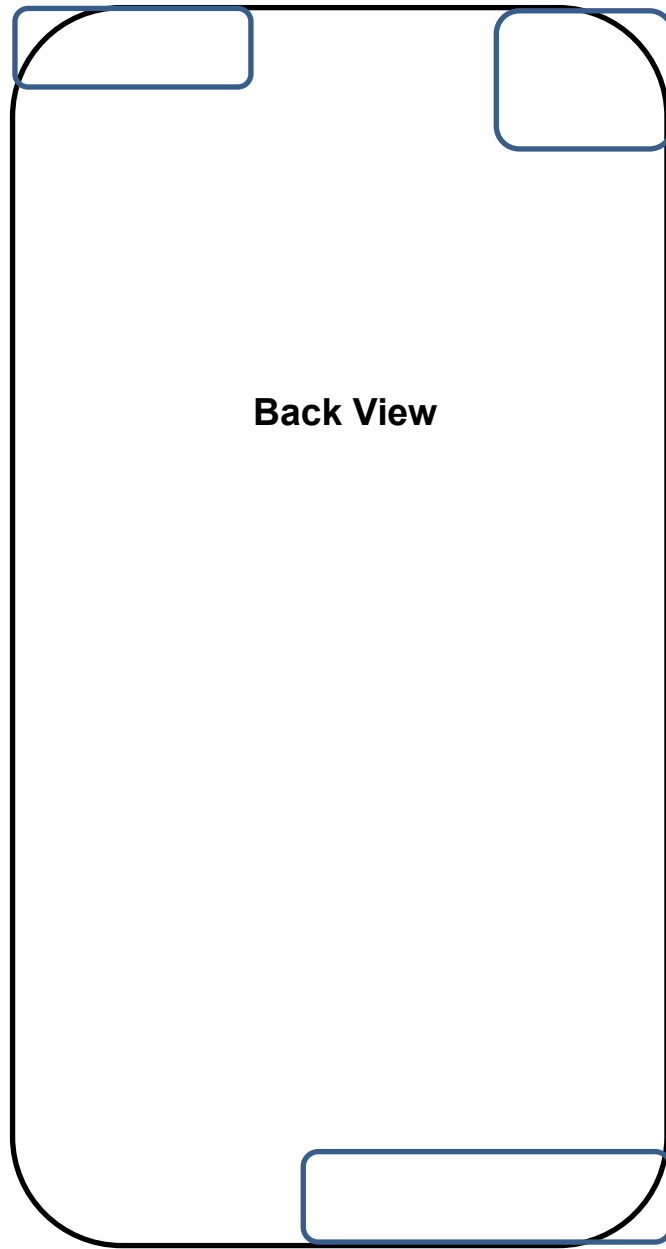


Element	Value
E1	
E2	
E3	
E4	

2. Antenna position diagram (reflecting the position of all antennas and the frequency band used)

DIV ANT(Rx only)

GWB ANT



WWAN Main ANT

All of Implementation antenna

Main antenna(Antenna Label:A):

LTE B2/B4/B5/B41/B12/B17/B25/B26/B66/B71 RX&TX

WCDMA B2/B4/B5 RX&TX

GSM B2/B3/B5/B8 RX&TX

DIV antenna(Antenna Label:B):

LTE B1/B2/B3/B4/B7/B66 RX

WCDMA B2/B4 RX

GSM B2/B3 RX

WiFi/BT 2.4-2.5G/2412MHz-2472MHz/5180MHZ-5850MHZ/GPS: 1575.42 MHz ;

Antenna Max. Peak Gain:

EGSM900:-1.74dBi

GSM850: -1.52dBi

DCS1800: -1.10dBi

PCS1900: -0.90dBi

WCDMA1900: -0.90dBi

WCDMA1700: -0.97dBi

WCDMA850: -1.52dBi

LTE-B2: -0.90dBi

LTE-B4: -0.61dBi

LTE-B5: -1.52dBi

LTE-B12: -1.86dBi

LTE-B17:- 1.89dBi

LTE-B25: -0.90dBi

LTE-B26: -1.52dBi

LTE-B41: -0.77dBi

LTE-B66: -0.97dBi

LTE-B71:- 1.90dBi

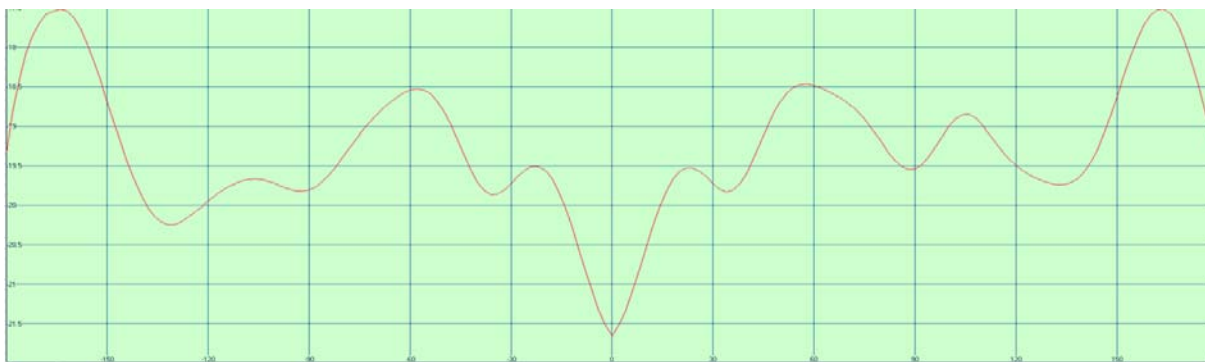
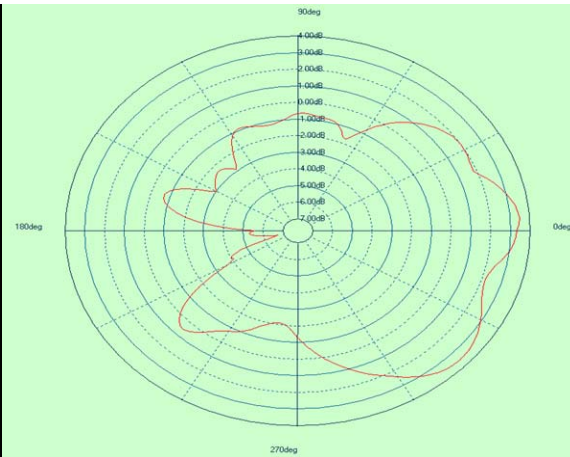
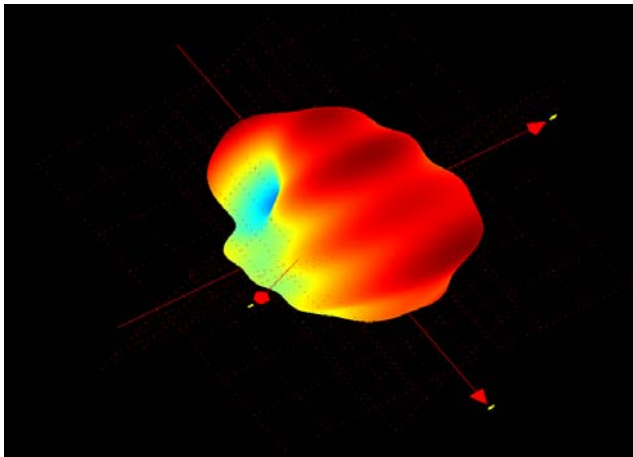
WIFI(2.4G)/BT: -0.62dBi

WIFI(5G): -2.10dBi

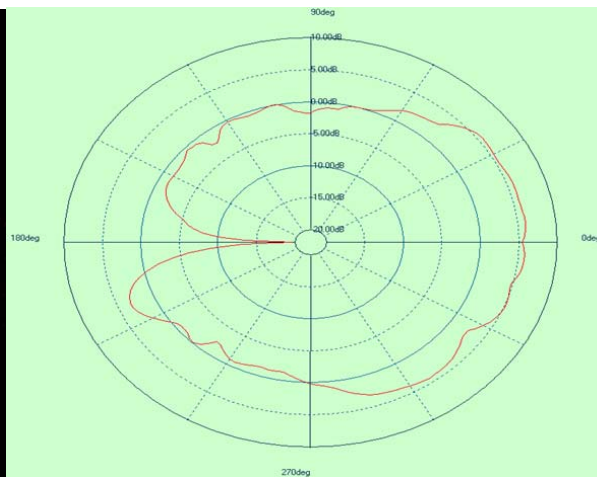
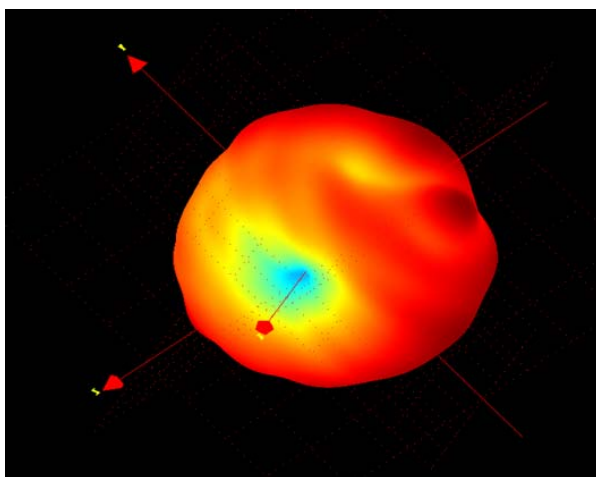
GPS: -0.88dBi

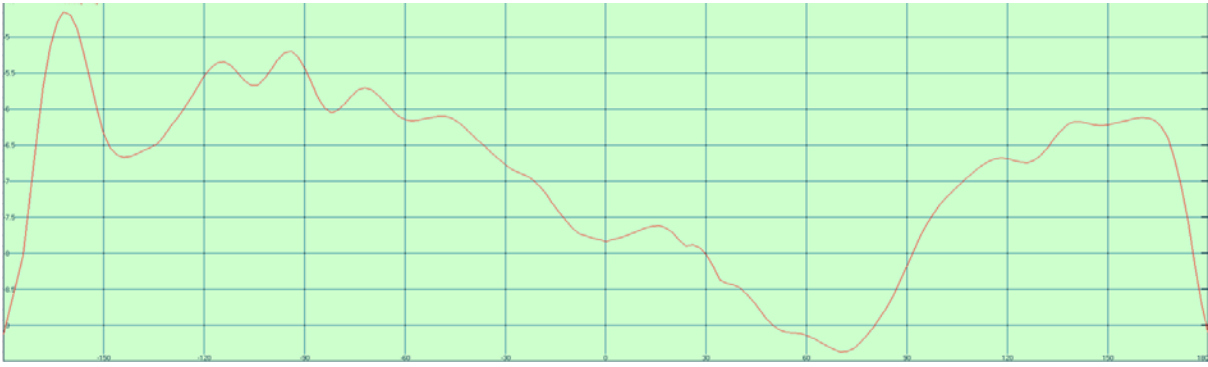
3. Antenna apple pattern

603MHZ~960MHZ

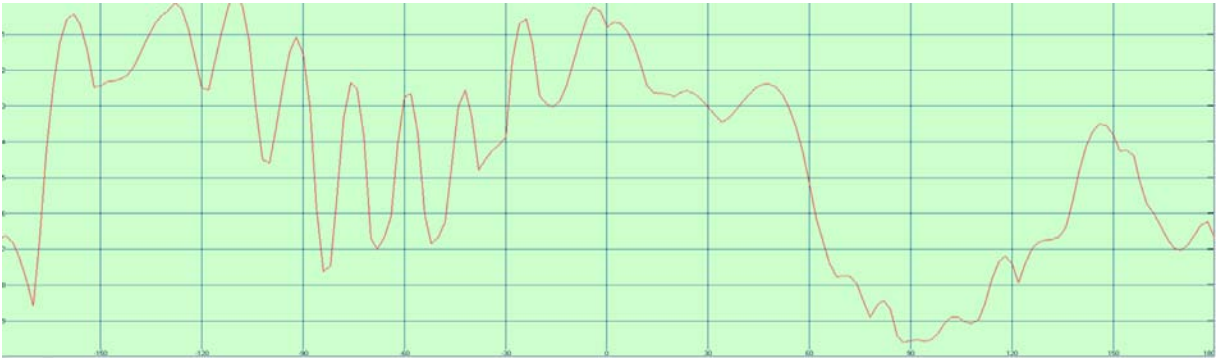
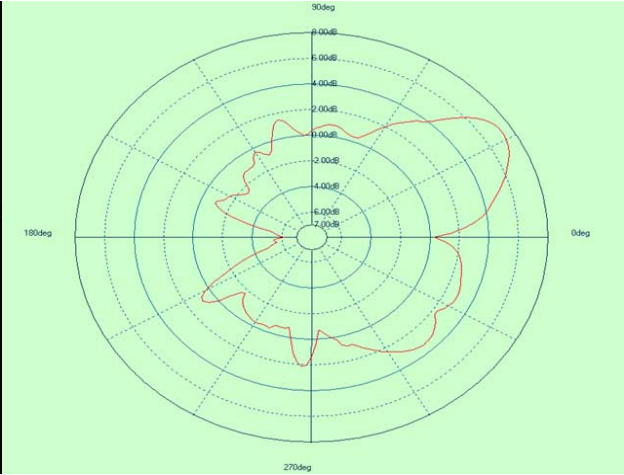
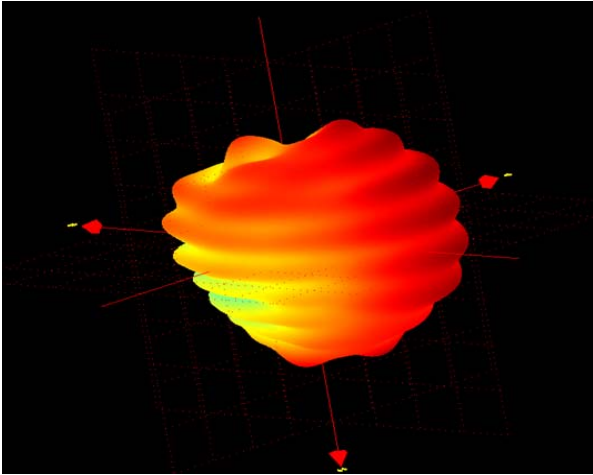


1710MHZ~2170MHZ

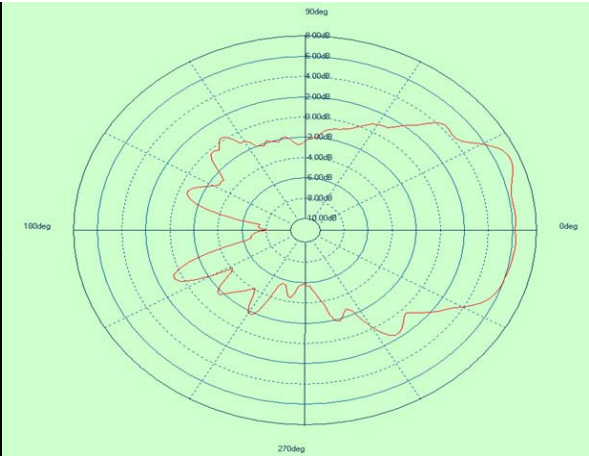
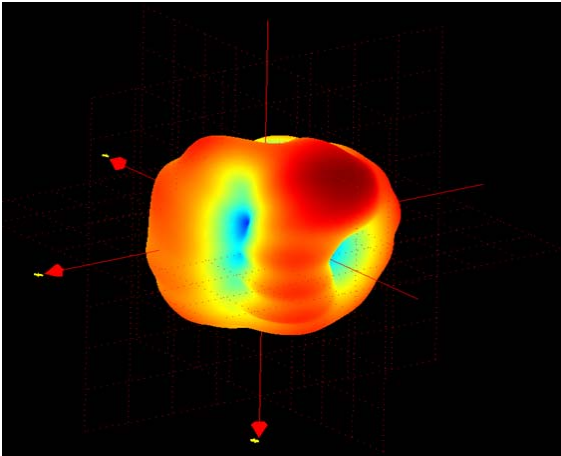


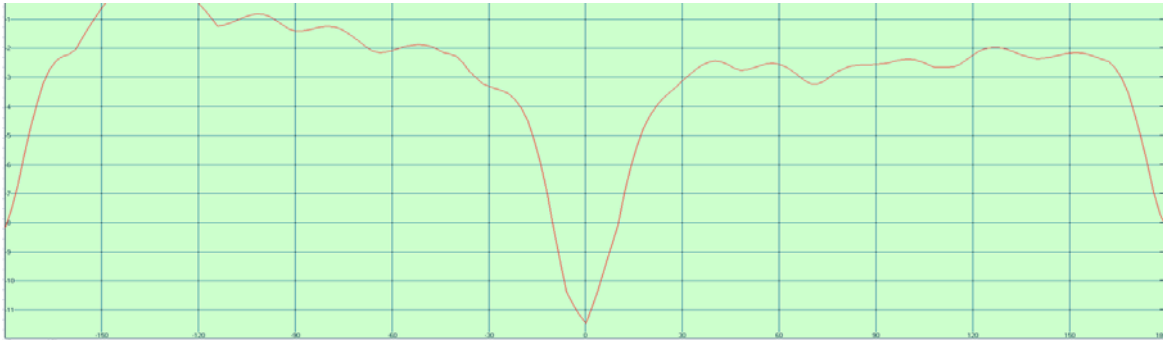


2500MHZ~2700MHZ

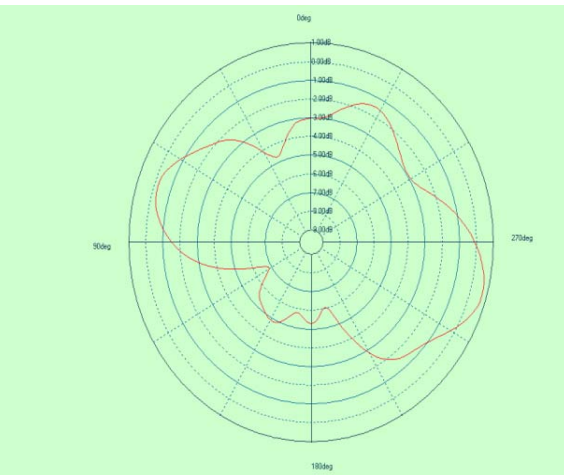
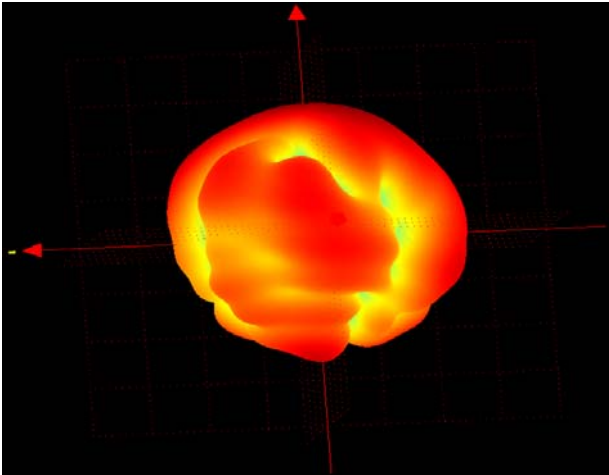


1550MHZ~1600MHZ(GPS)

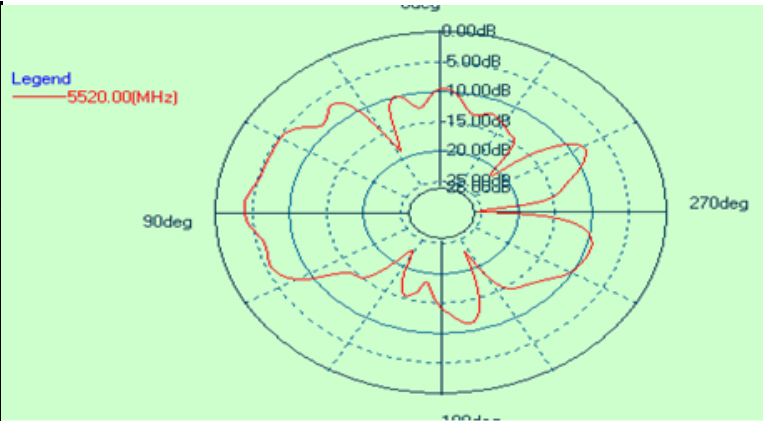
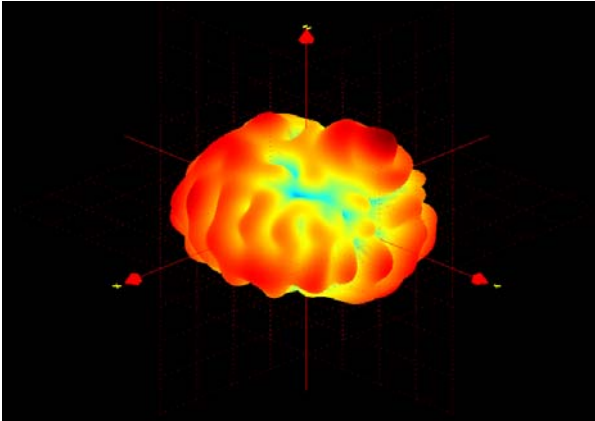


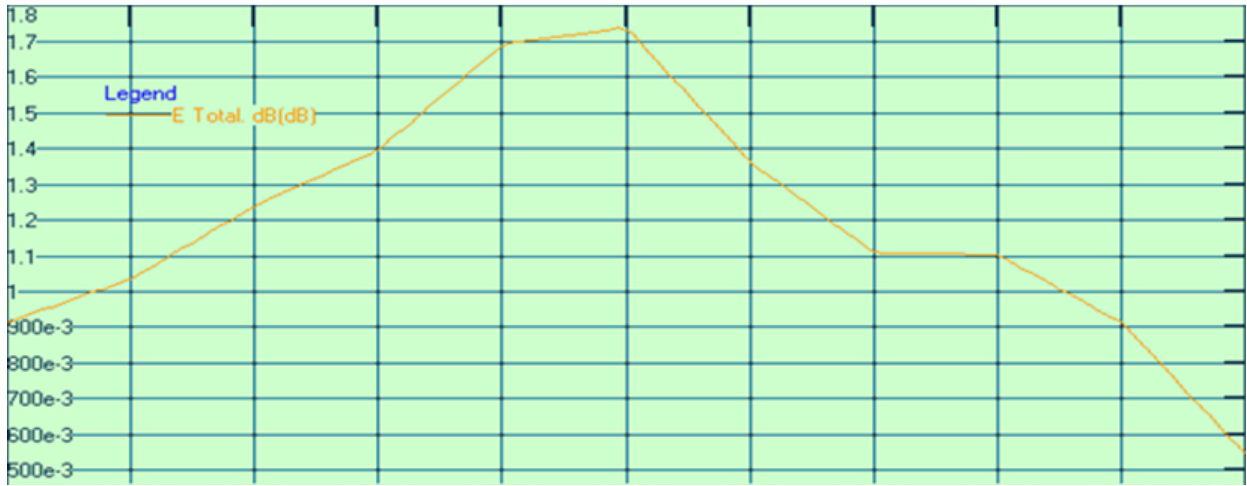


2400MHZ~2500MHZ(BT/WIFI 2.4G)

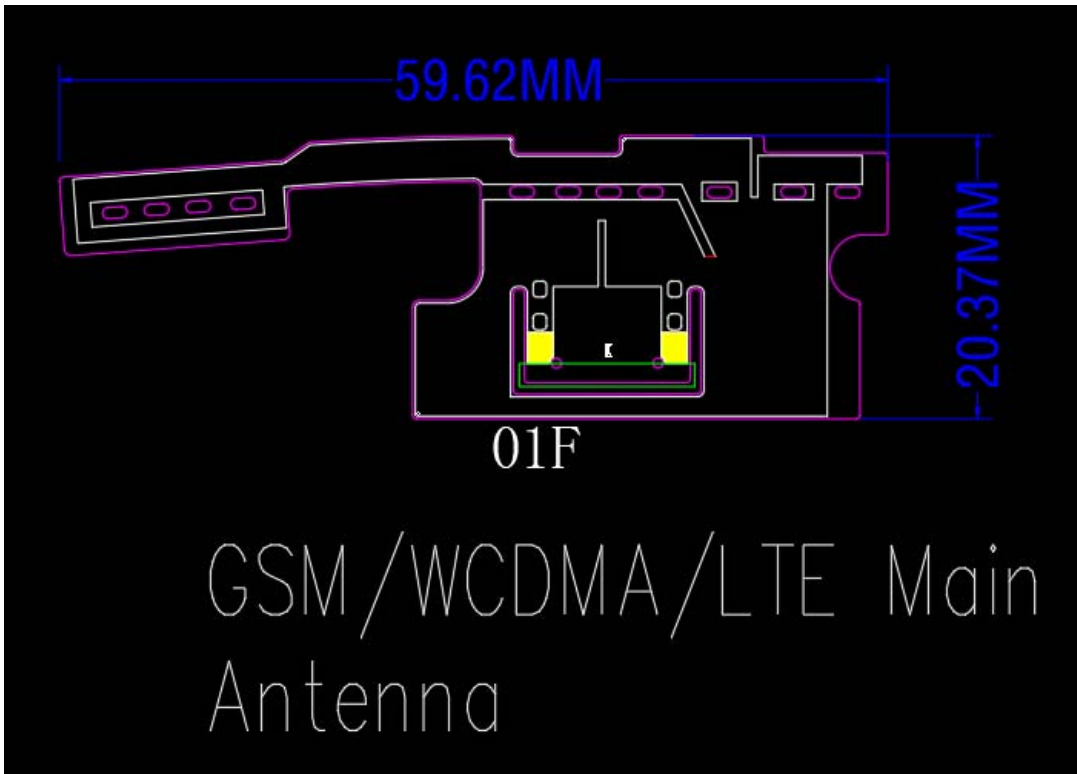


5180MHZ~5850MHZ(WIFI 5G)

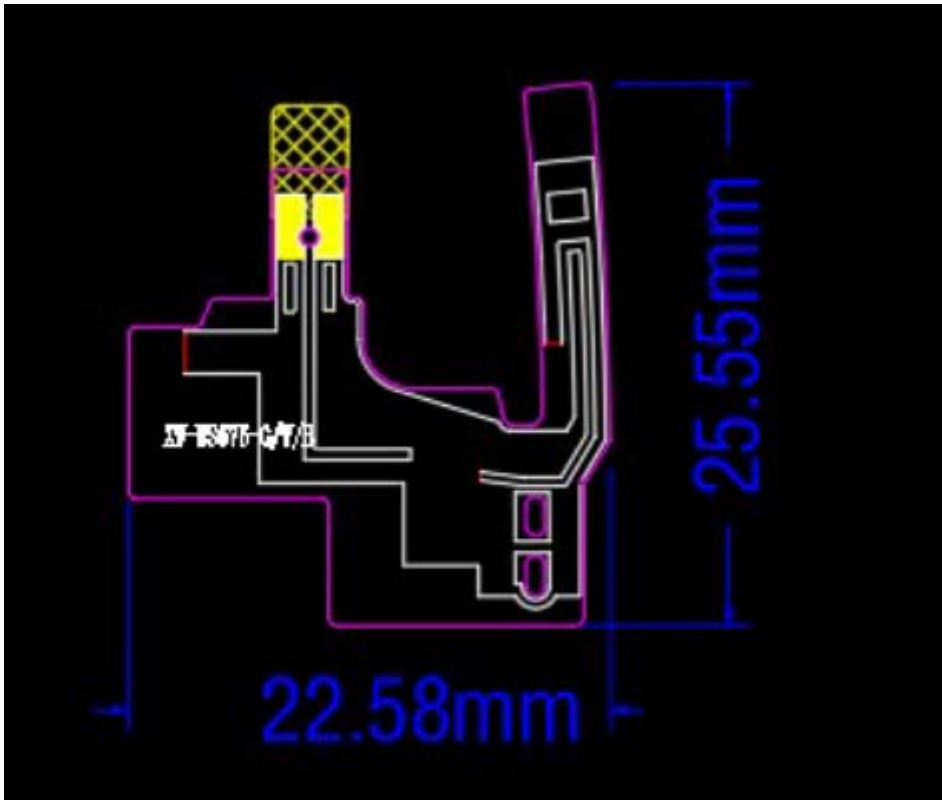




Dimensional drawing of main antenna



Dimensional drawing of GPS/WIFI/BT antenna



Dimensional drawing of diversity antenna

