

Antenna SPEC



Mobile antenna test report

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Date: 2023.04.04

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Test equipment

Wireless communications test set: CMW500

Network Analyzer: Agilent 5071B

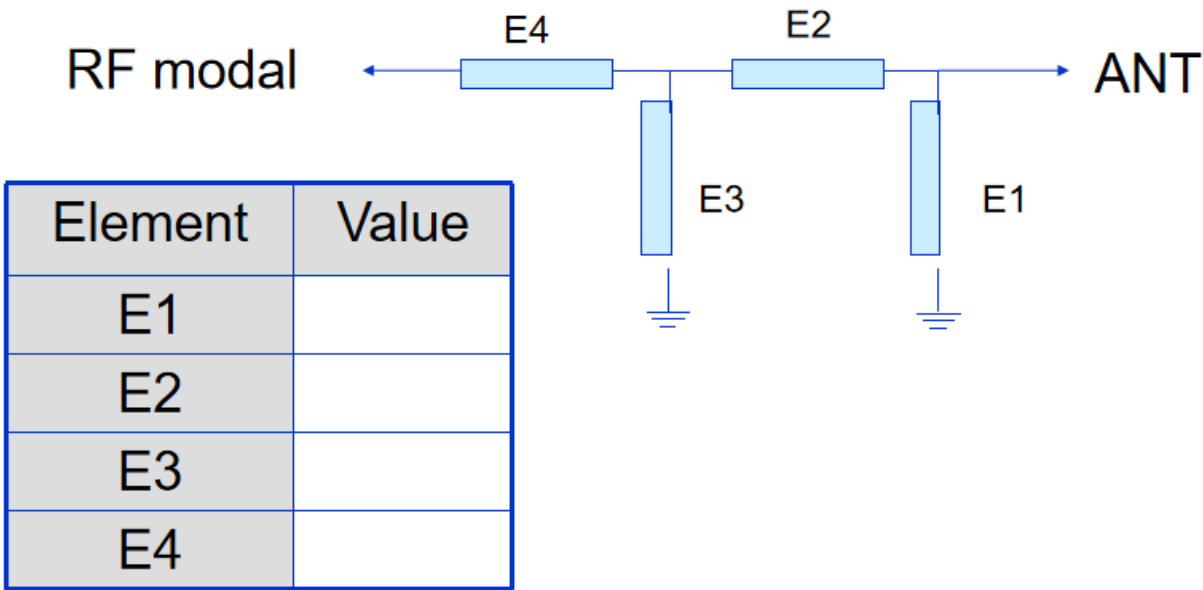
Anechoic Chamber : SATIMO SG24



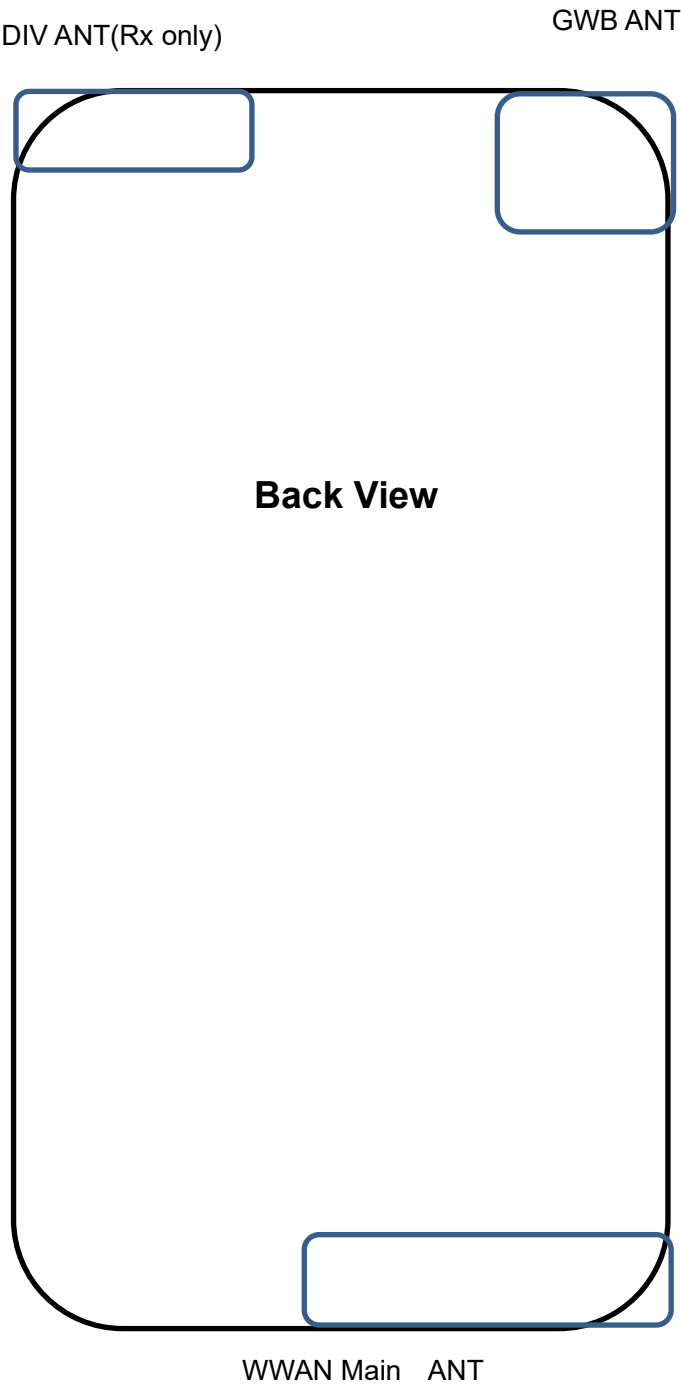
1.Antenna information

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)



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



All of Implementation antenna

Main antenna(Antenna Label:A):

LTE B1/B2/B3/B4/B5/B7/B12/B17/B28/B66/B71 RX&TX

WCDMA B1/B2/B4/B5/B8 RX&TX

GSM B2/B3/B5/B8 RX&TX

DIV antenna(Antenna Label:B):

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

WCDMA B1/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

WCDMA2100: -1.10dBi

WCDMA1900: -0.90dBi

WCDMA1700: -0.97dBi

WCDMA900: -1.74dBi

WCDMA850: -1.52dBi

LTE-B1: -1.10dBi

LTE-B2: -0.90dBi

LTE-B3: -0.97dBi

LTE-B4: -0.61dBi

LTE-B5: -1.52dBi

LTE-B7: -0.77dBi

LTE-B12: -1.86dBi

LTE-B17:- 1.89dBi

LTE-B28: -1.82dBi

LTE-B66: -0.97dBi

LTE-B71:- 1.90dBi

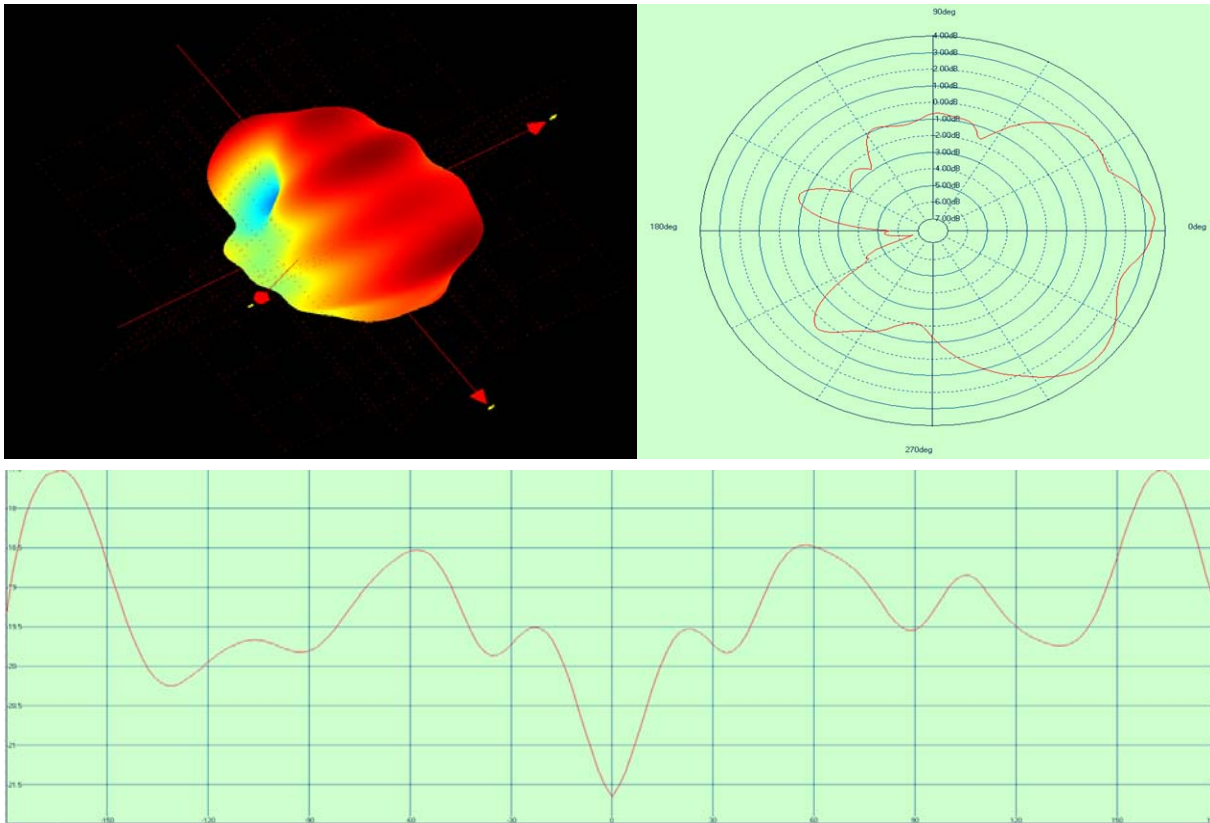
WIFI(2.4G)/BT: -0.62dBi WIFI

WIFI(5G): -2.10dBi

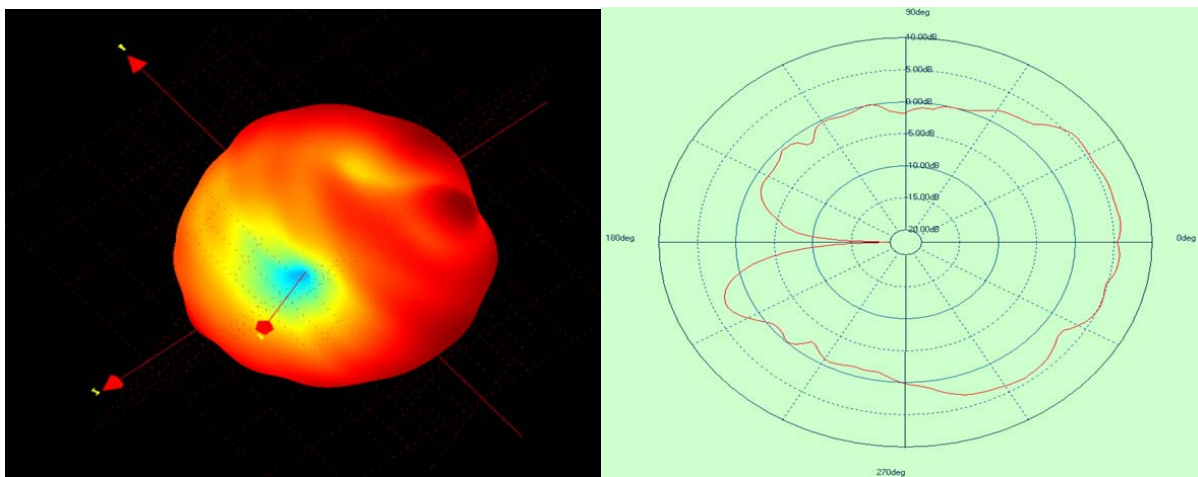
GPS: -0.88dBi

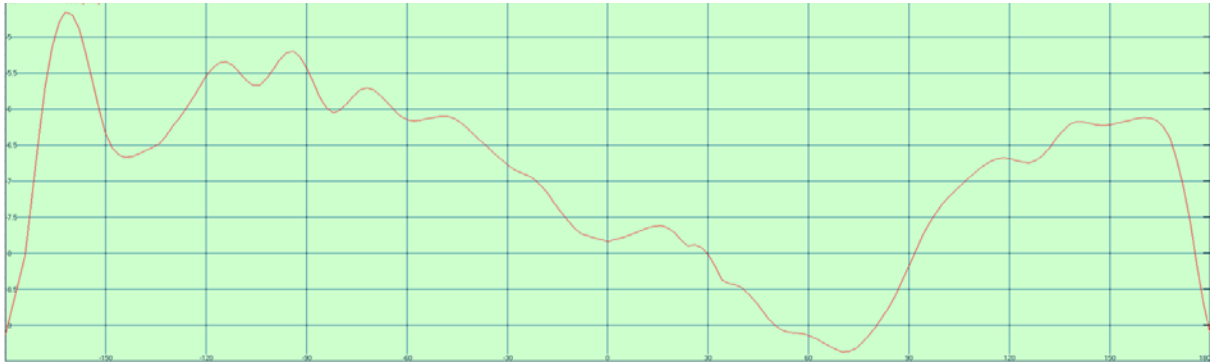
3. Antenna apple pattern

603MHZ~960MHZ

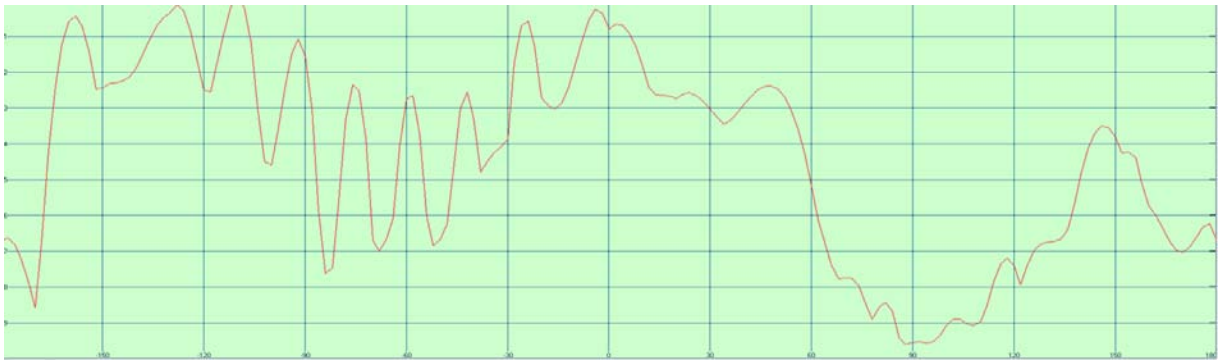
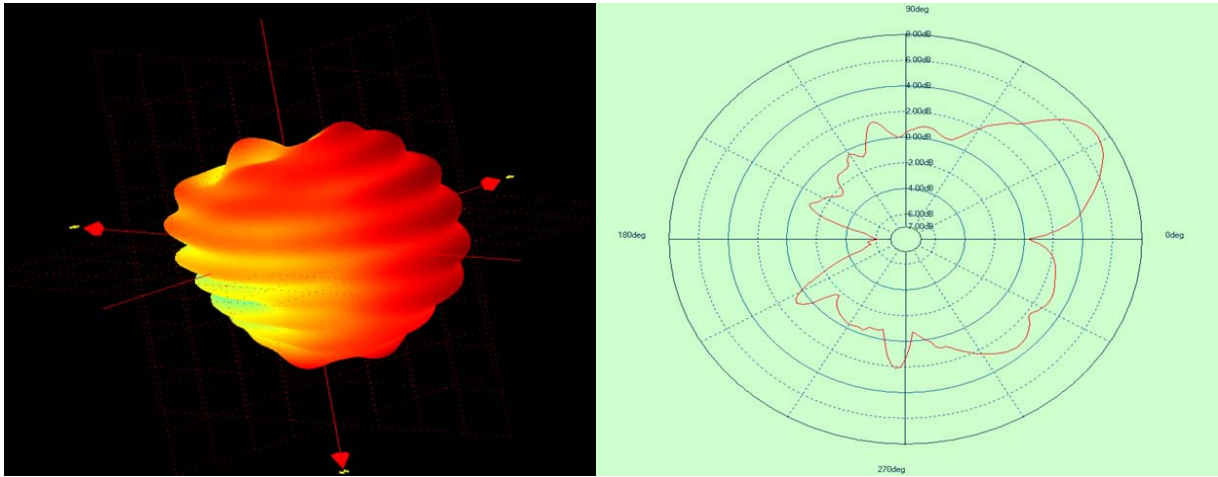


1710MHZ~2170MHZ

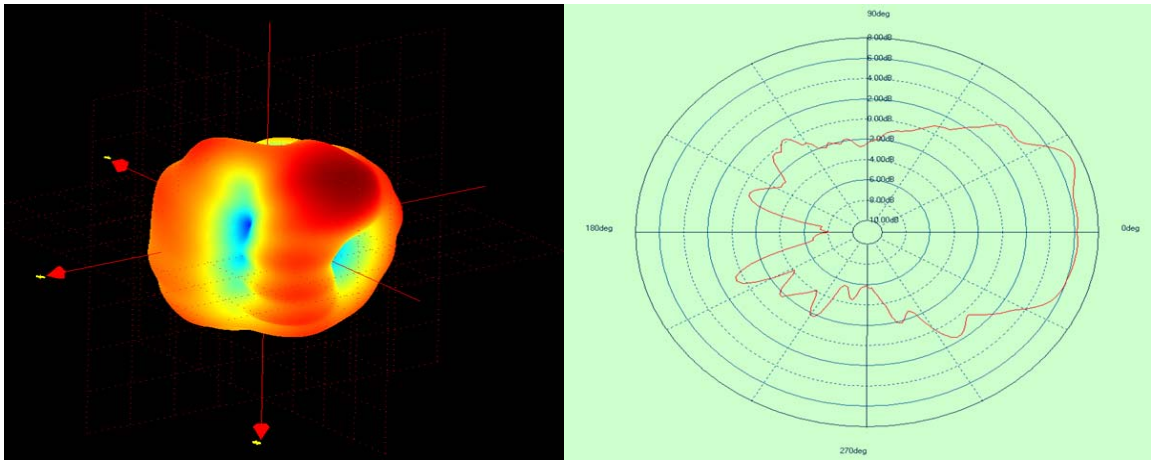


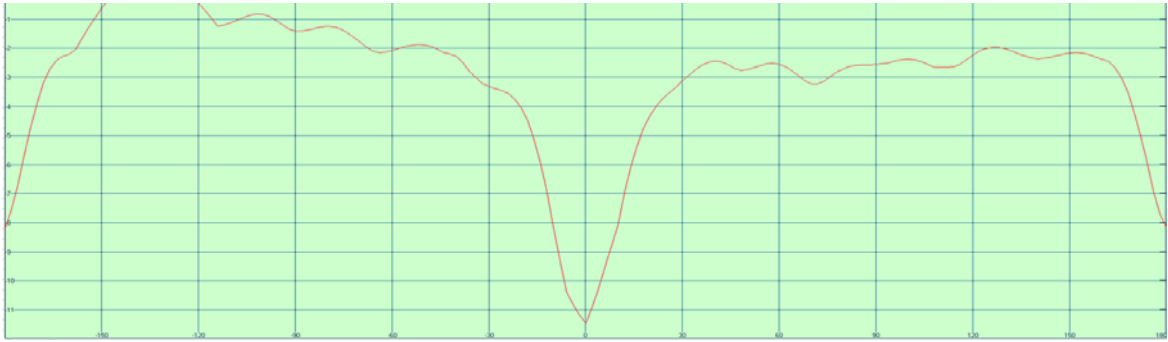


2500MHZ~2700MHZ

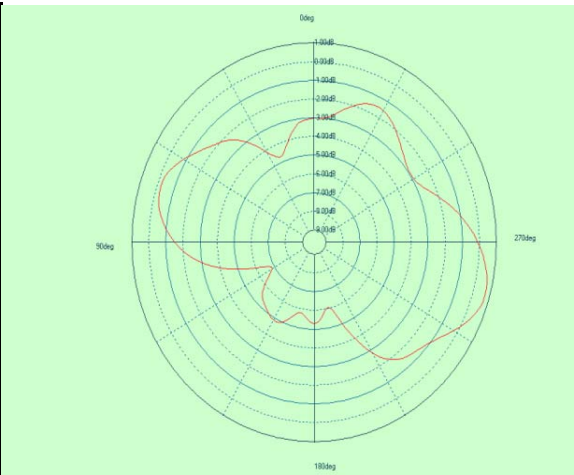
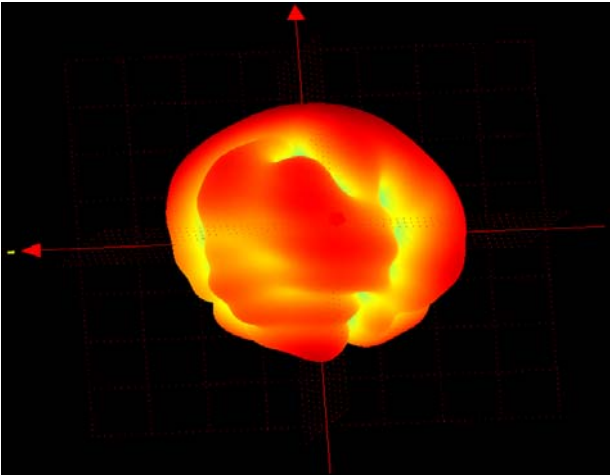


1550MHZ~1600MHZ(GPS)

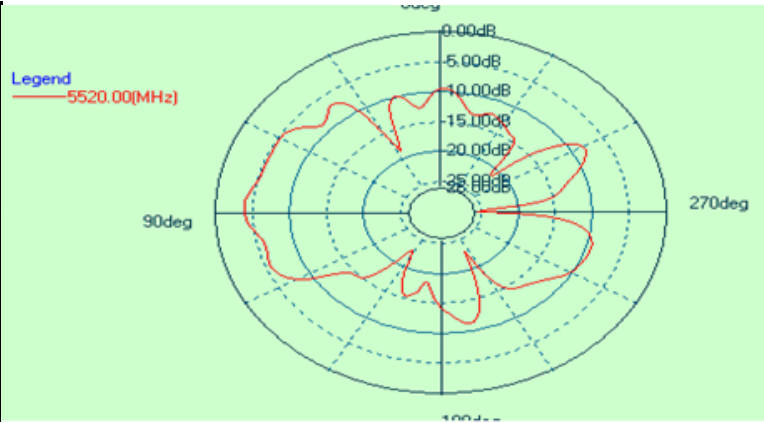
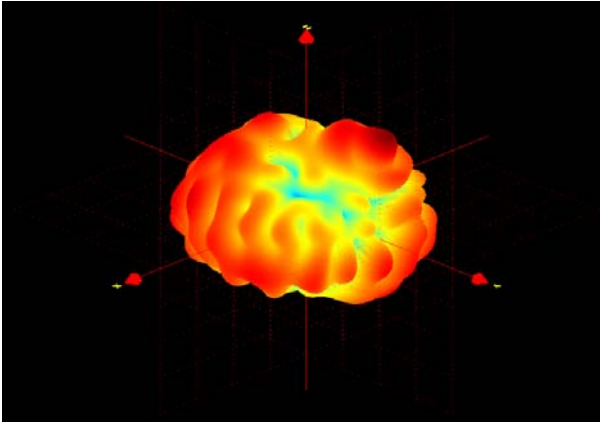




2400MHZ~2500MHZ(BT/WIFI 2.4G)

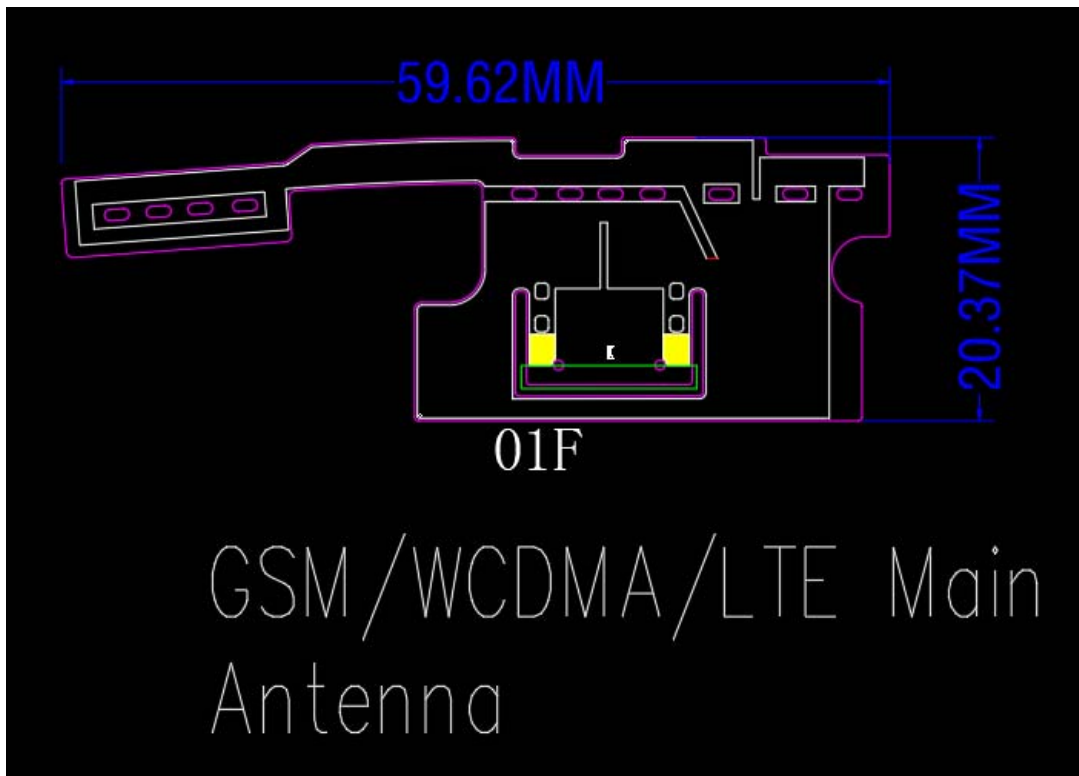


5180MHZ~5850MHZ(WIFI 5G)

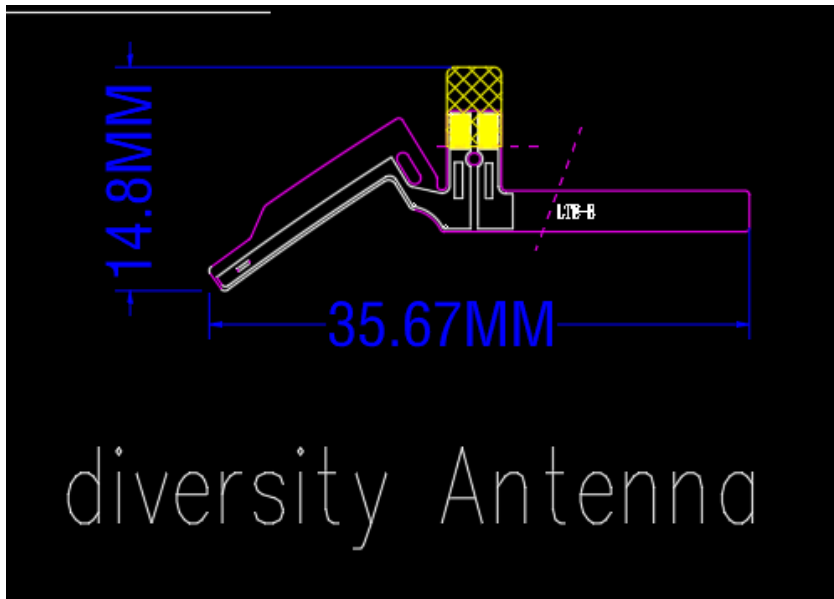




Dimensional drawing of main antenna



Dimensional drawing of GPS/WIFI/BT antenna



Dimensional drawing of diversity antenna

