

Antenna Spec



Mobile antenna test report

Shenzhen 3Good Wireless Communication Co., Ltd

RF: Jiang Ning

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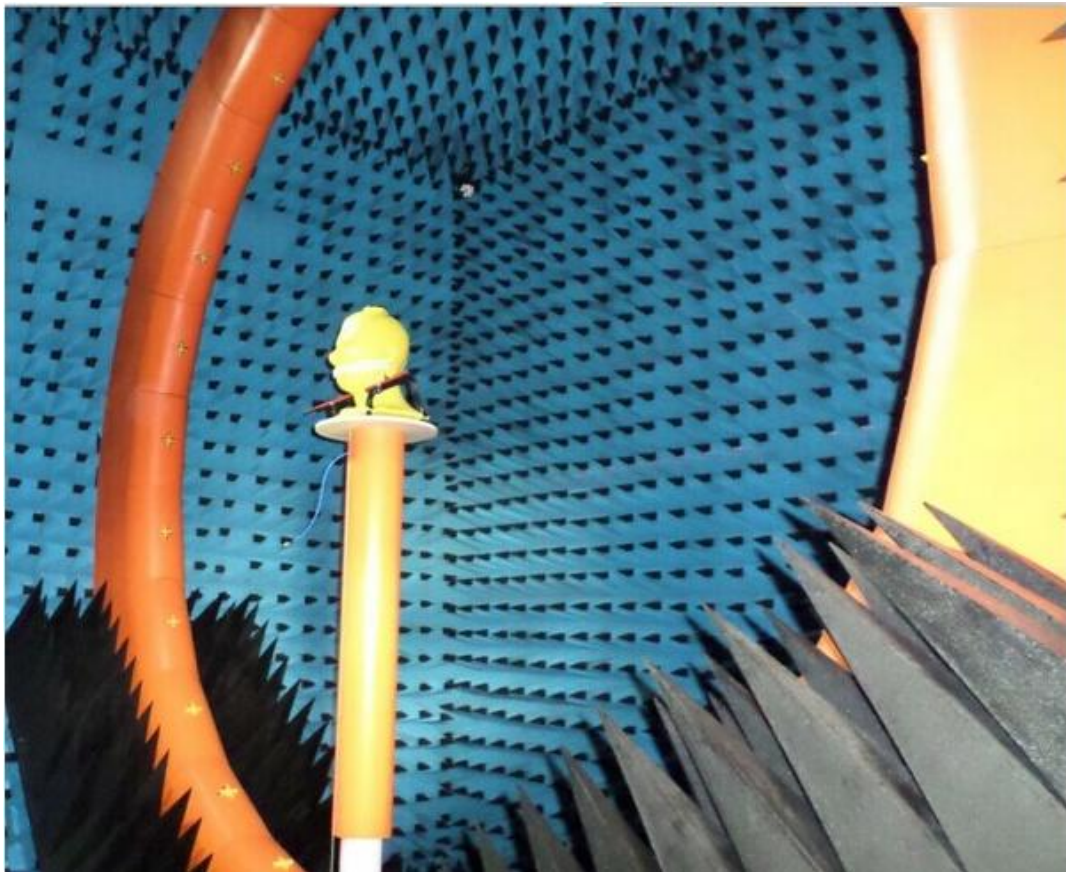
Office address: No. 1-8, 5th Floor, Jinfulai Building, No. 49-1 Dabao Road,
Bao'an District, Shenzhen

Test equipment

Wireless communications test set: CMW500

Network Analyzer: Agilent 5071B

Anechoic Chamber : SATIMO SG24

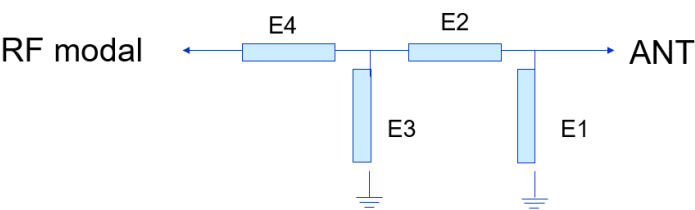


Antenna information

Antenna model	FPC
Antenna type	PIFA
Antenna band	GSM 850/1900 WCDMA B2/B4/B5 LTE-B2/4/5/12/17/25/26/66/71 BT/WIFI 2.4G

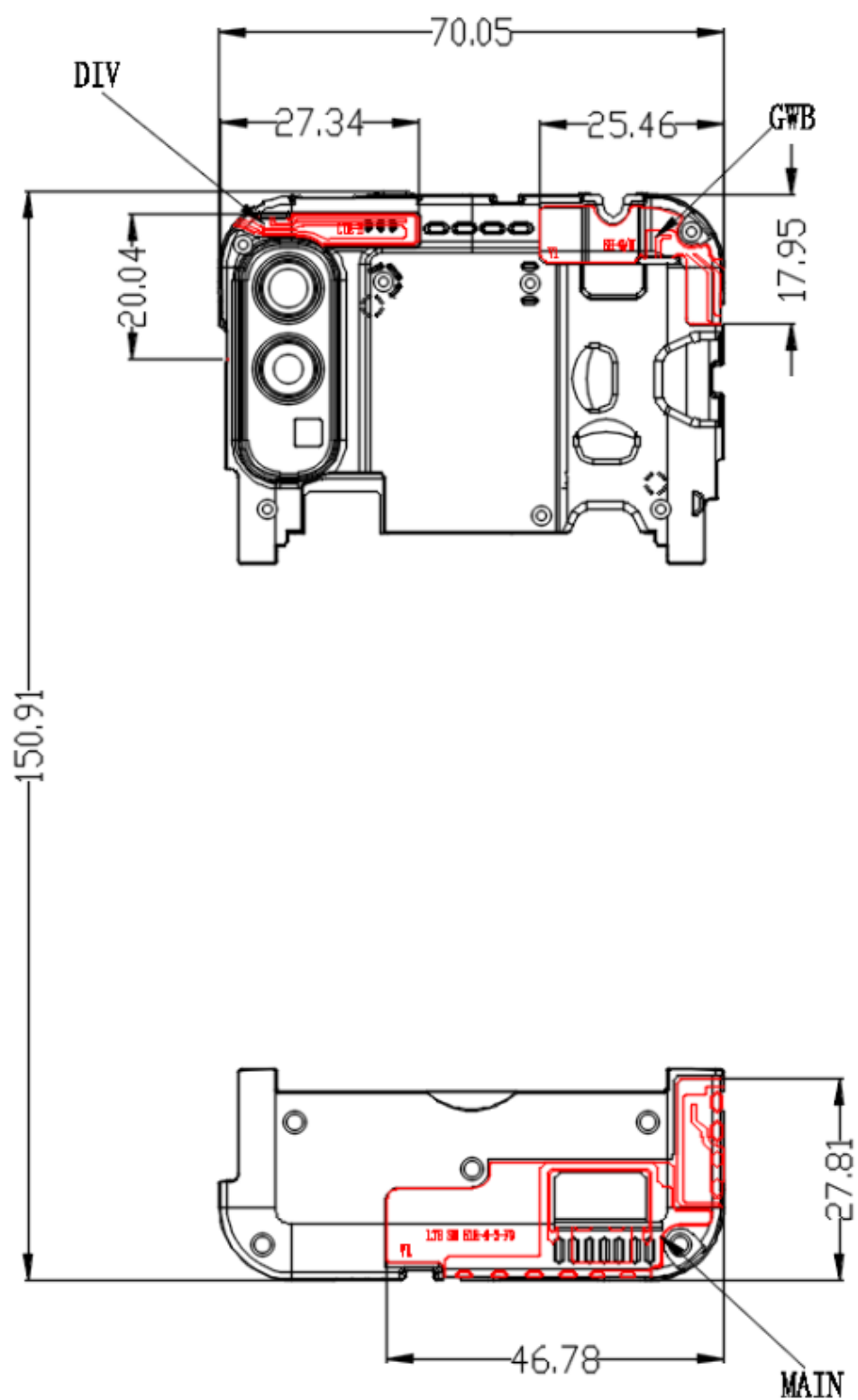
frequency range(MHz)	617-960	1710-2170	2490-2690
VSWR	<3.0	<2.5	<2.5

Matching circuit (No modification) :



Element	Value
E1	
E2	
E3	
E4	

Antenna Location



Main: GSM900/1800/850/1900
WCDMA- B2/B4/B5
LTE-B2/4/5/12/17/25/26/66/71

All of Implementation antenna

Main antenna (Antenna Label):

LTE B2/3/4/5/7/28/38 RX&TX

WCDMA B2/4/5 RX&TX

GSM 850/1900 RX&TX

WiFi/BT 2.4~2.5G/2412MHz~2485MHz& GPS: 1575.42 MHz ;

Antenna Max. Peak Gain:

GSM850: 0.16dBi

PCS1900: 3.01dBi

WCDMA2: 2.8dBi

WCDMA4: 2.14dBi

WCDMA5: 0.16dBi

LTE-B2: 2.8dBi

LTE-B4: 2.14dBi

LTE-B5: 0.16dBi

LTE-B12: -0.23dBi

LTE-B17: -0.23dBi

LTE-B25: 2.8dBi

LTE-B26: 0.16dBi

LTE-B66: 2.14dBi

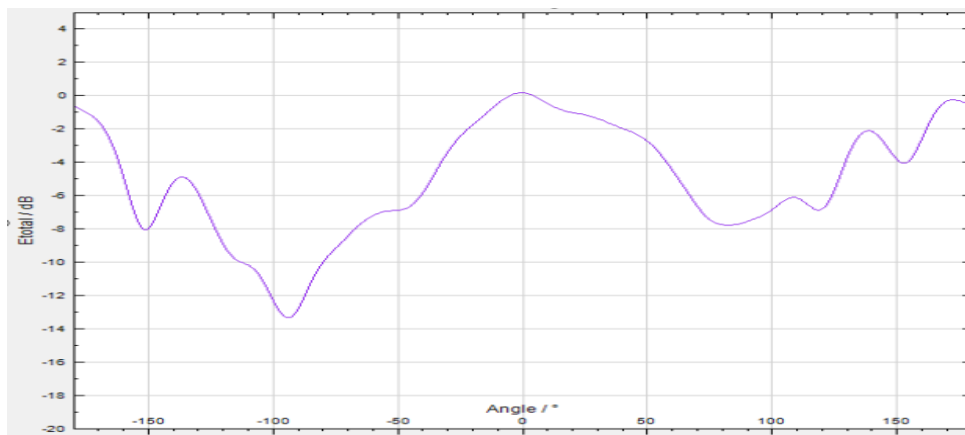
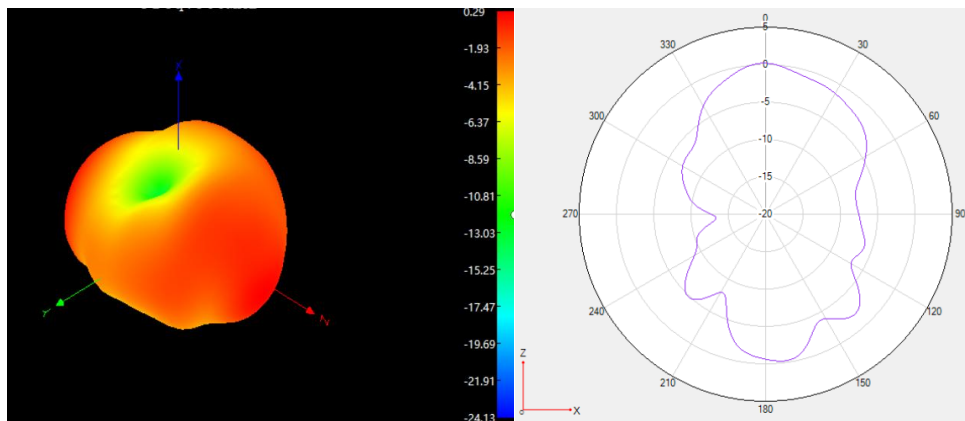
LTE-B71: -0.46dBi

WIFI/BT: 1.05dBi

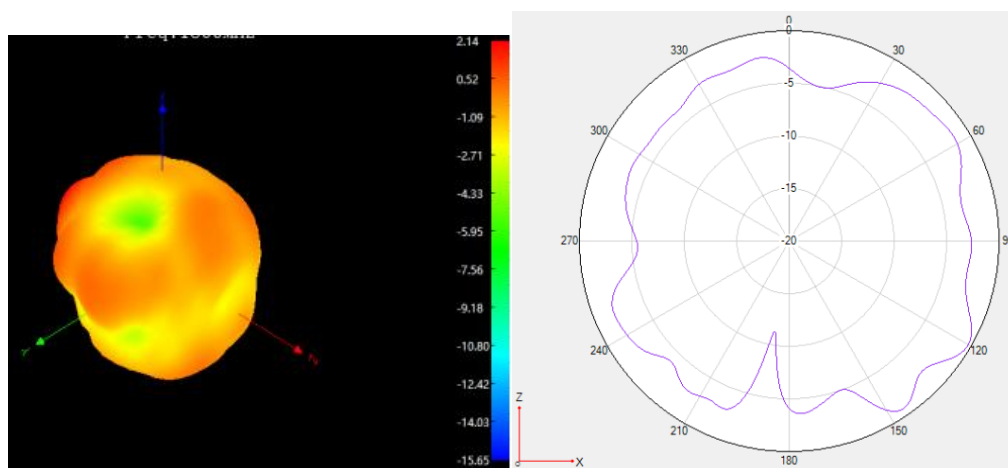
GPS: 0.53dBi

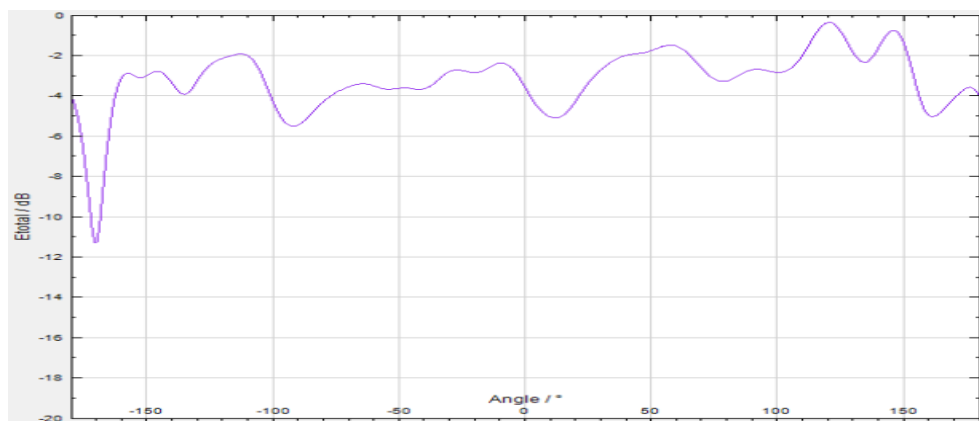
3. Antenna Pattern

617MHZ~960MHZ

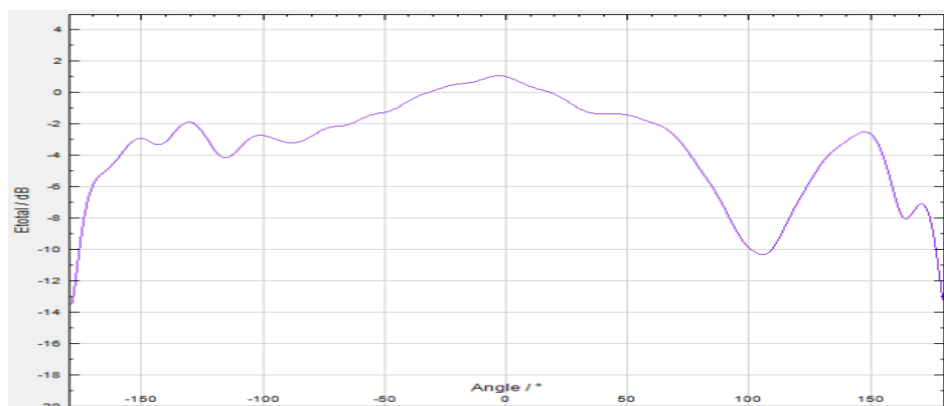
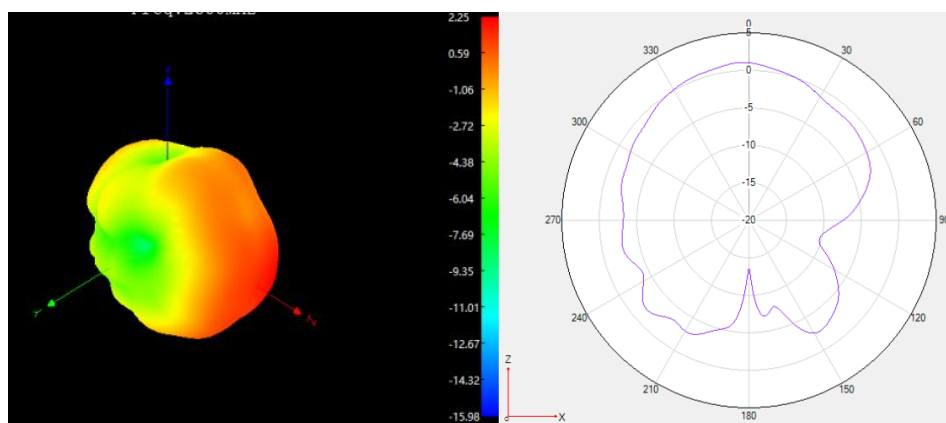


1710MHZ~2170MHZ

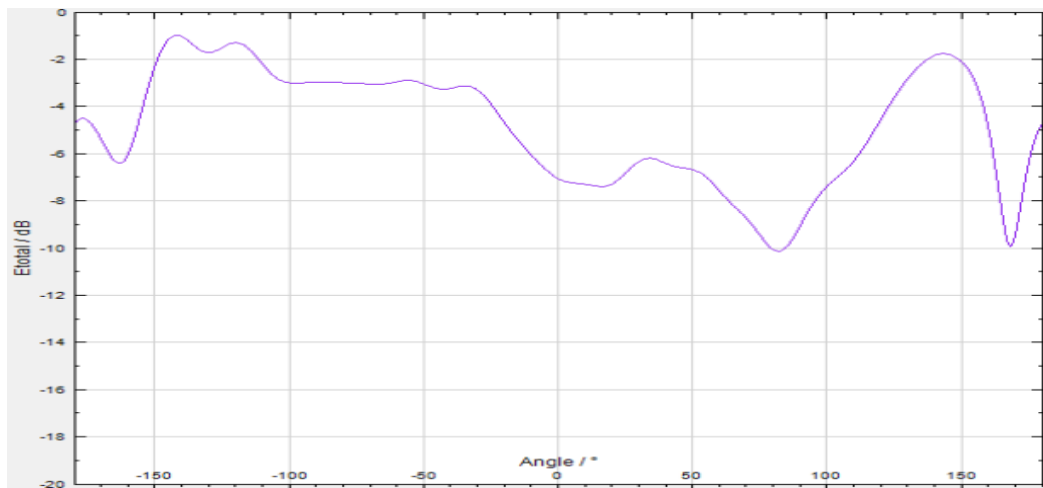
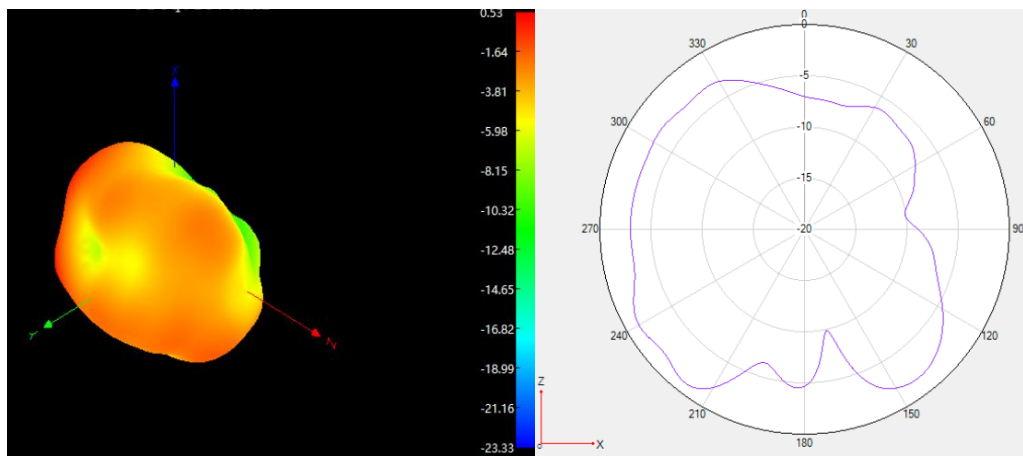




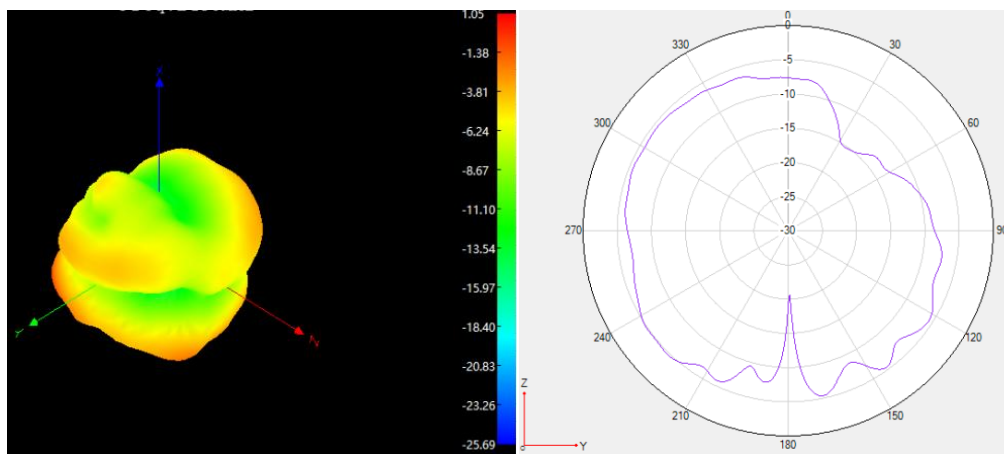
2500MHZ~2700MHZ

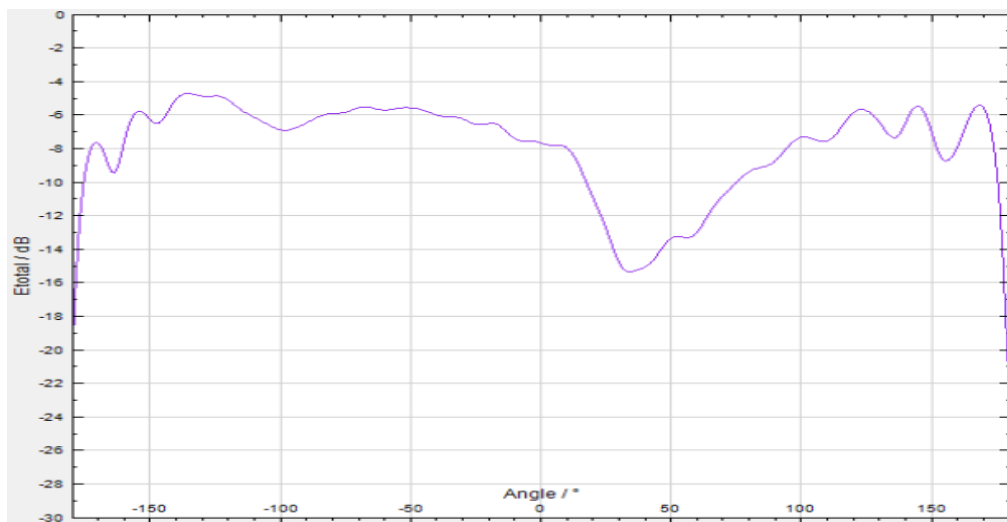


1550MHZ~1600MHZ(GPS)

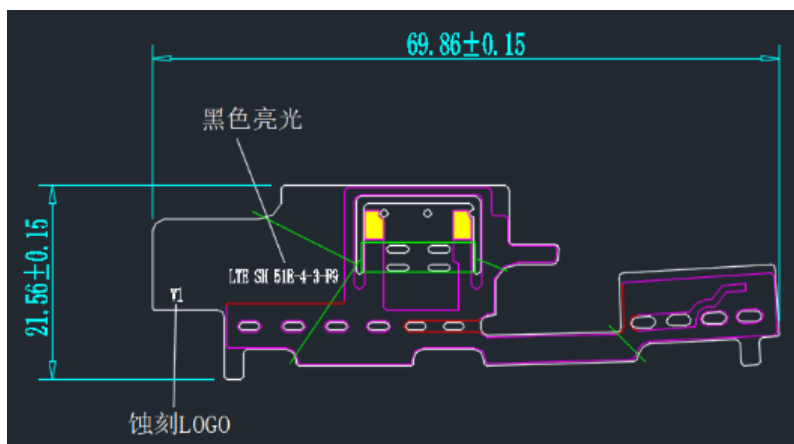


2400MHZ~2500MHZ(BT/WIFI 2.4G)

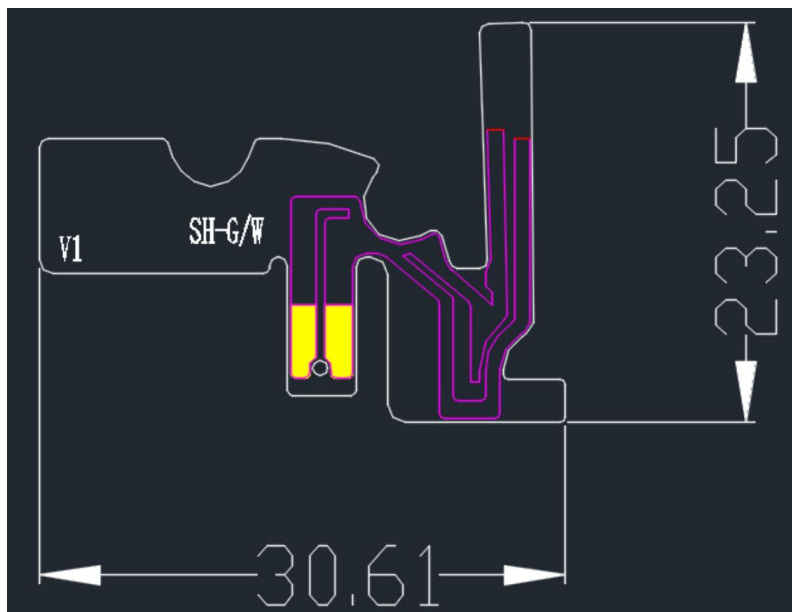




Dimensional drawing of main antenna



Dimensional drawing of GPS/WIFI/BT antenna



Dimensional drawing of diversity antenna

