

Antenna Specification



Mobile antenna test report

Heyuan Xunwei Communication Technology Co., Ltd

RF:ZhongYiming

Date:2026.03.17

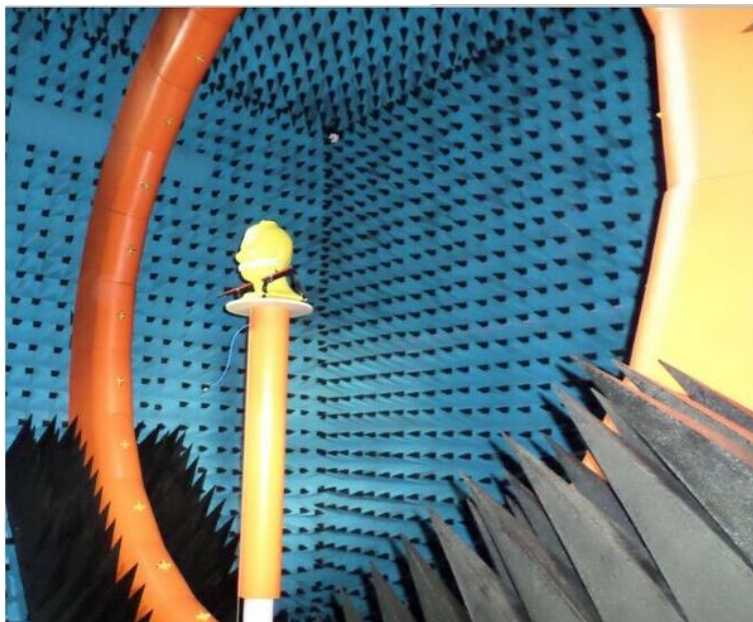
Office address: A316, Bldg. A, Languang Technology Bldg., No. 5 Xinxu Rd. W, Nanshan Dist., Shenzhen,

Test equipment

Wireless communications test set: CMW500

Network Analyzer: Agilent 5071B

Anechoic Chamber : SATIMO SG24



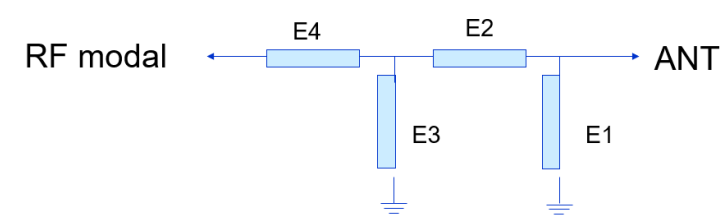
Antenna information

Customer	Boat of wealth
Antenna model	FPC

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

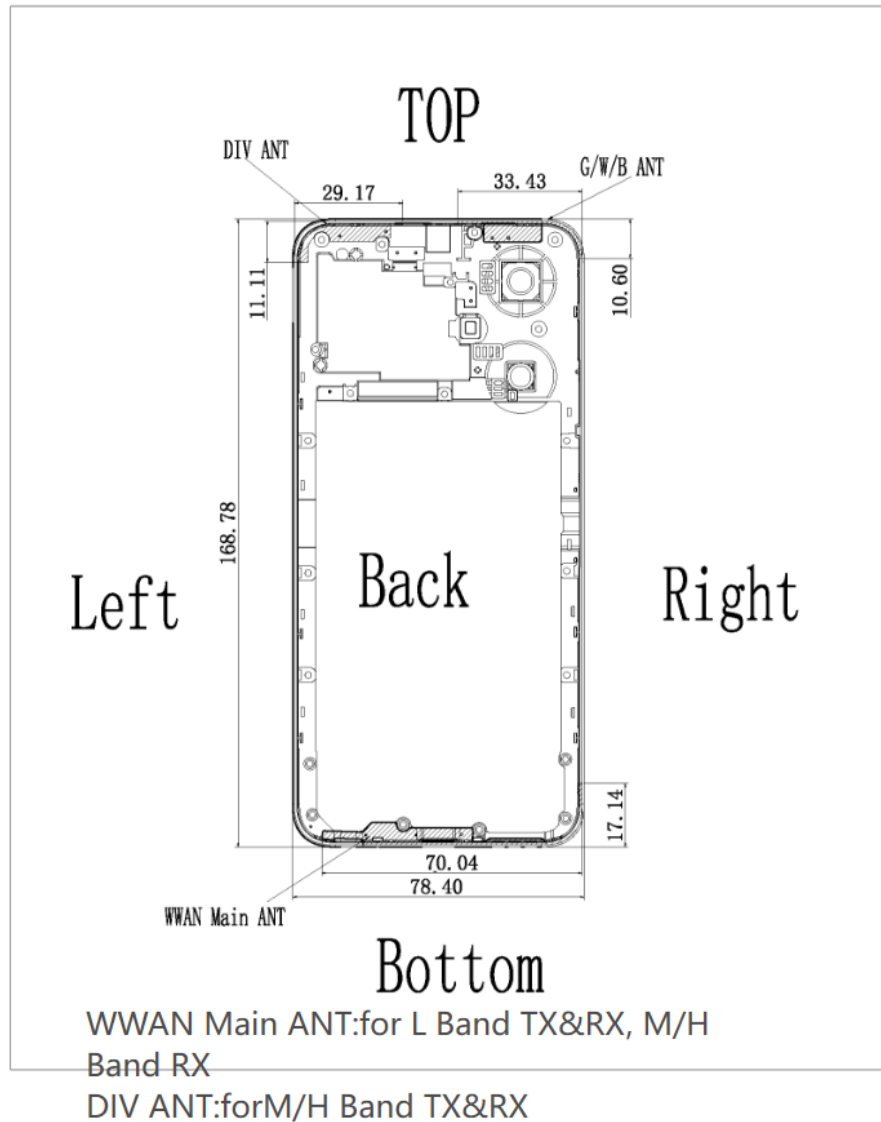
frequency range (MHz)	700–960	1710–2170	2300–2690
VSWR	<3.5	<3.5	<3.5

Matching circuit (No modification) :



Element	Value
E1	0R
E2	12NH
E3	0R
E4	NC
E5	NC
E6	0R

Antenna location map (showing the positions of all antennas and the frequency bands they use)

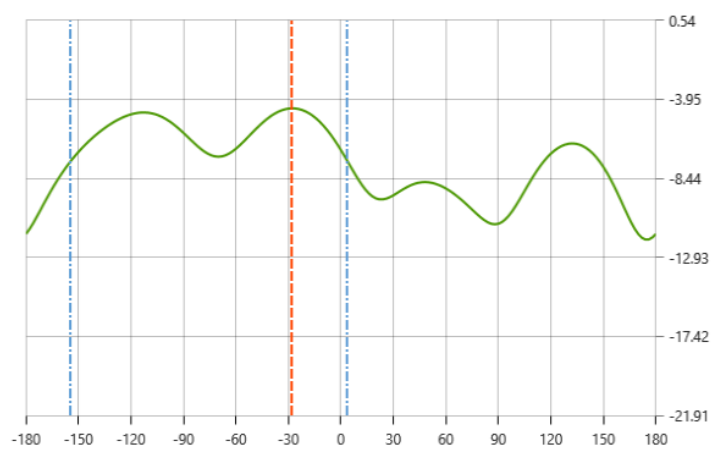
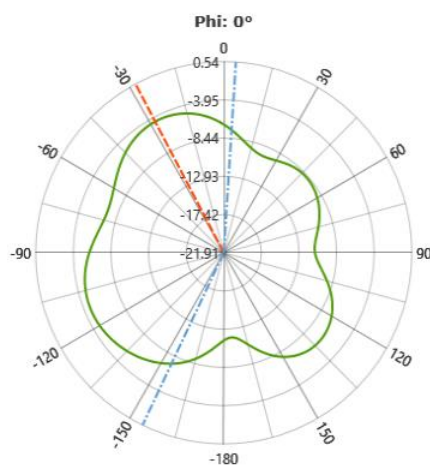
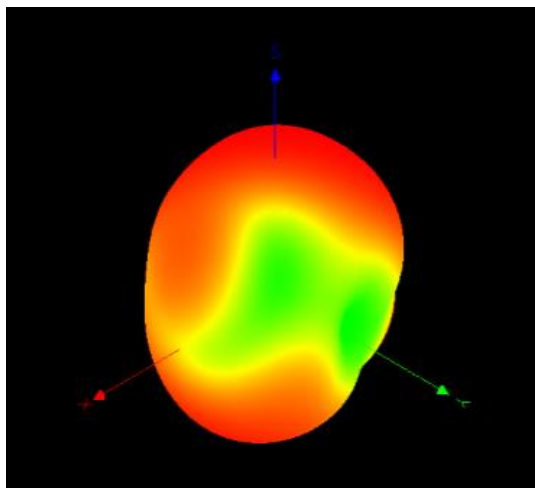


All of Implementation antenna
Main antenna(Antenna Label:A):
LTE B5/B8/B12/B13/B17/B28AB RX&TX

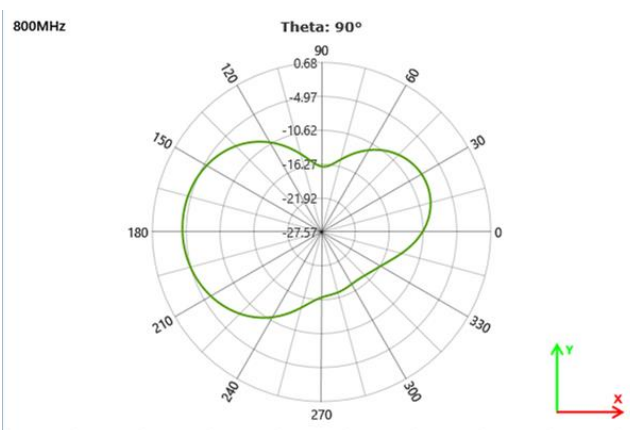
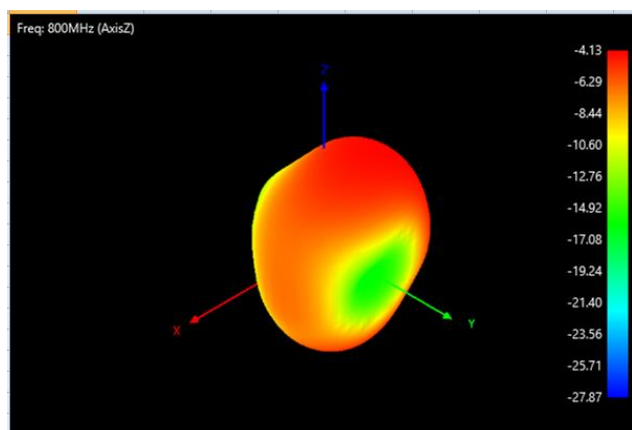
WCDMA B5/B8 RX&TX
 GSM B5/B8 RX&TX
 DIV antenna(Antenna Label:B):
 LTE B1/B2/B3/B4/B7/B66/B38/B40 RX&TX
 WCDMA B1/B2/B4 RX&TX
 GSM B2/B3 RX&TX
 WiFi/BT 2.4~2.5G/2412MHz~2472MHz& /GPS: 1575.42 MHz ;
Antenna Max. Peak Gain:
 GSM850: -2.94dBi
 EGSM900:-2.81dBi
 DCS1800: -1.56dBi
 PCS1900: -1.12dBi
 WCDMA W1: -1.12dBi
 WCDMA W2: -1.49dBi
 WCDMA W4: -1.56dBi
 WCDMA W5: -2.94dBi
 WCDMA W8: -2.81dBi
 LTE-B1: -1.12dBi
 LTE-B2: -1.12dBi
 LTE-B3: -1.49dBi
 LTE-B4: -1.56dBi
 LTE-B5: -2.94dBi
 LTE-B7: -1.55dBi
 LTE-B8: -2.81dBi
 LTE-B12: -3.23dBi
 LTE-B13: -3.23dBi
 LTE-B17: -3.23dBi
 LTE-B28: -3.23dBi
 LTE-B66: -1.56dBi
 LTE-B38: -1.55dBi
 LTE-B40: -1.46dBi
 WIFI (2.4G)/BT: -1.39dBi
 WIFI 5G: -1.62dBi
 GPS:-1.57dBi

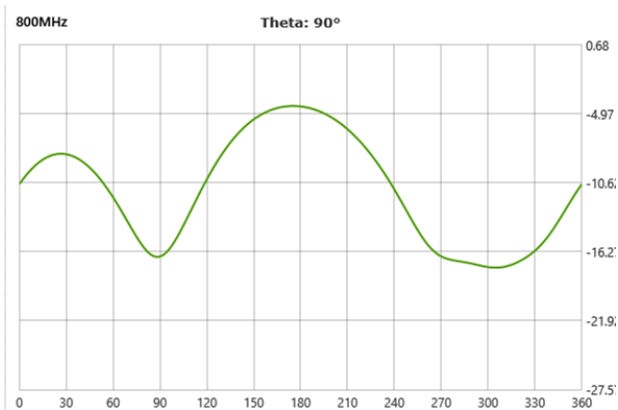
3. Antenna Apple Diagram

703MHZ~803MHZ

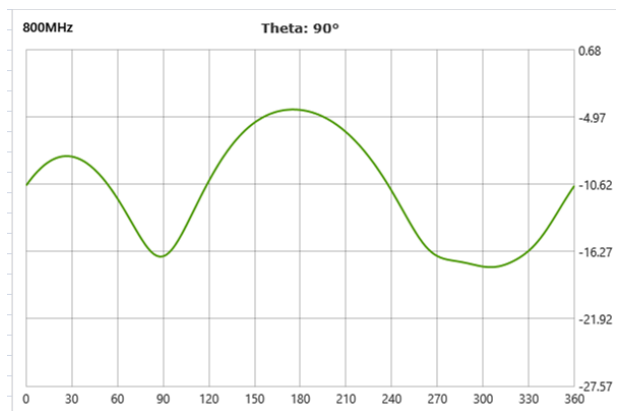
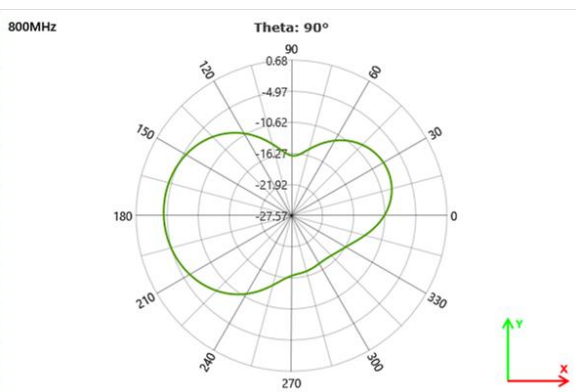
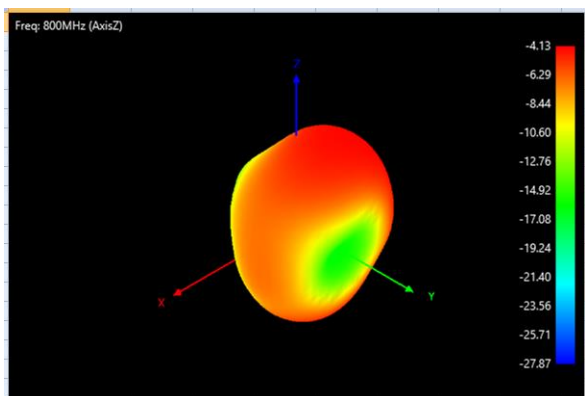


824MHZ~880MHZ

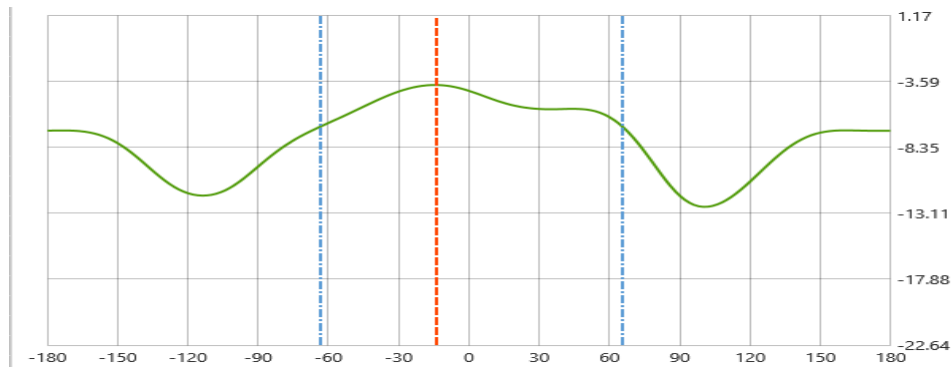
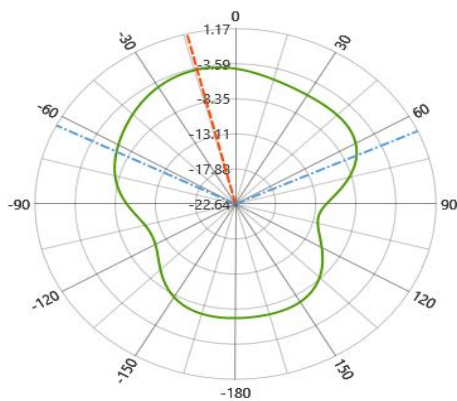
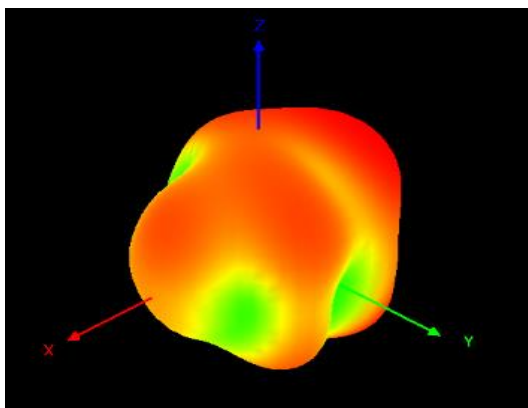




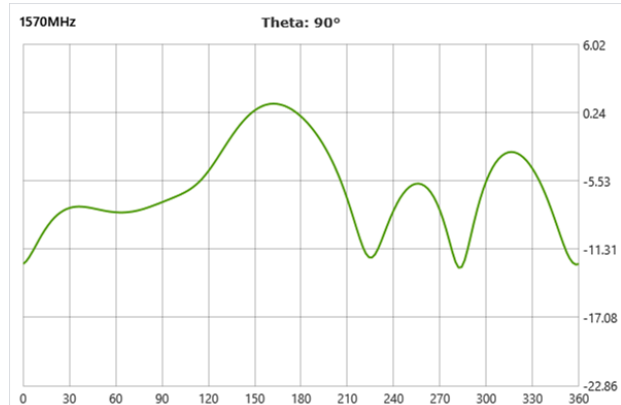
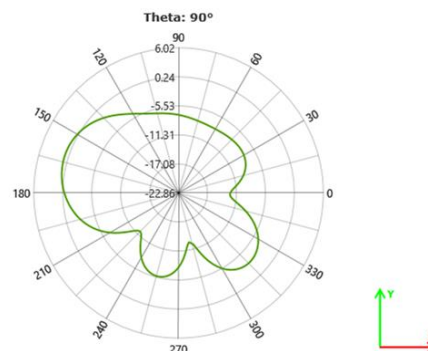
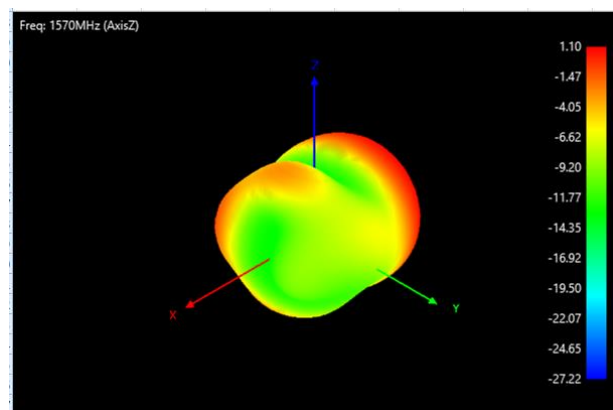
880MHZ~960MHZ



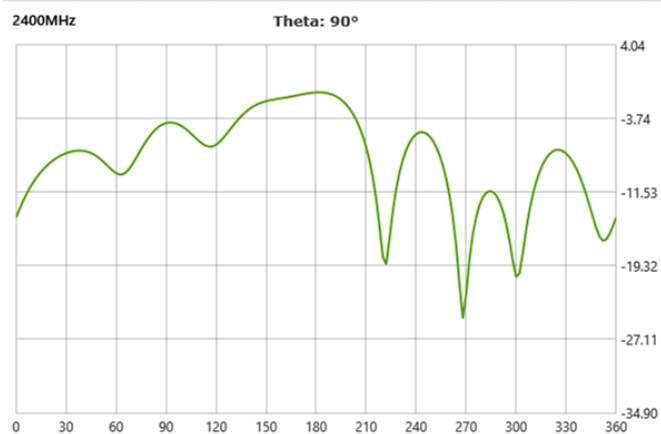
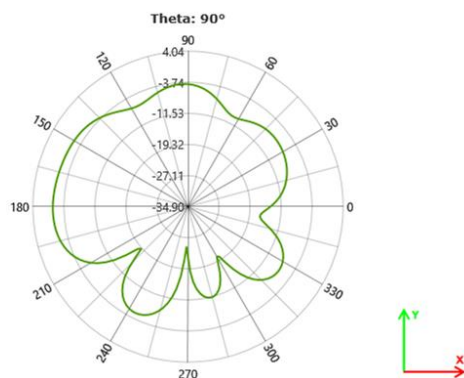
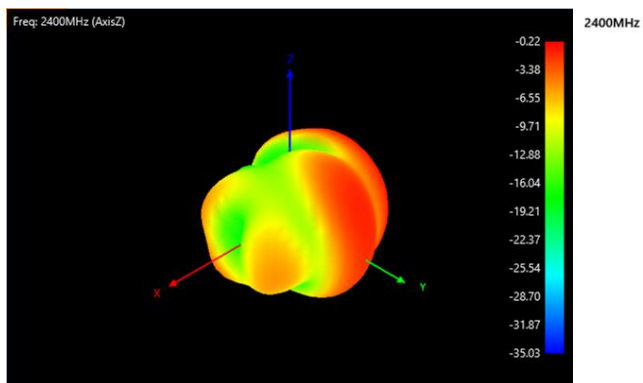
1710MHZ~2700MHZ



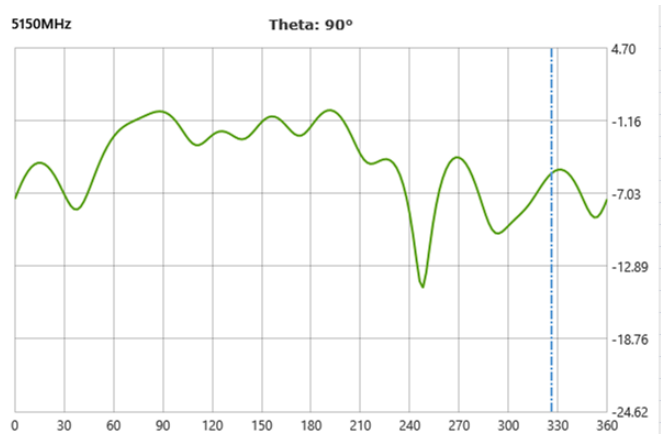
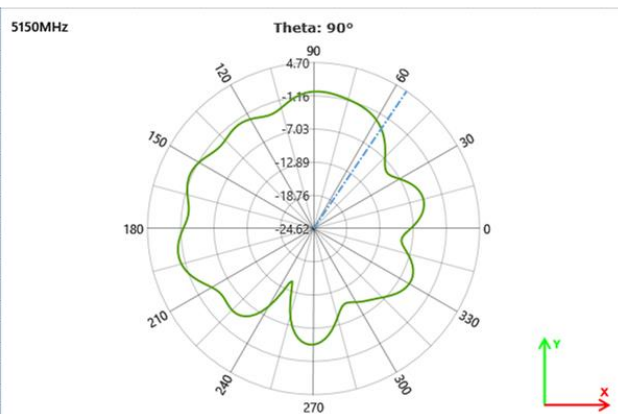
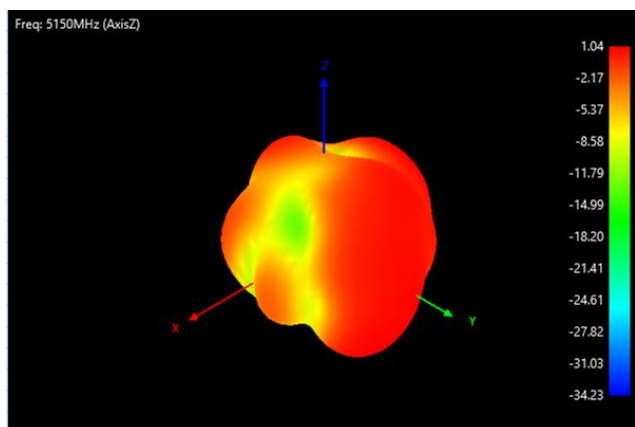
1575.42MHZ (GPS)



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

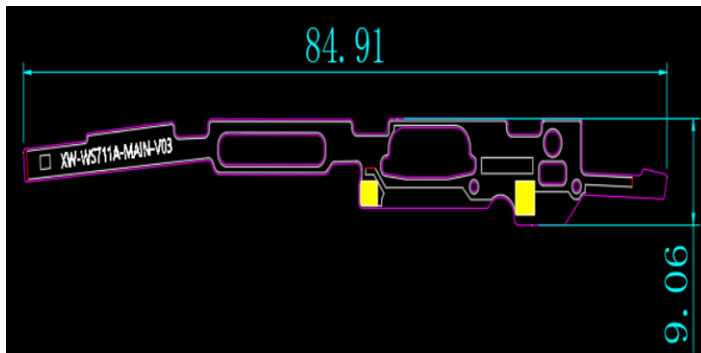


5150MHZ~5850MHZ (WIFI 5.8G)



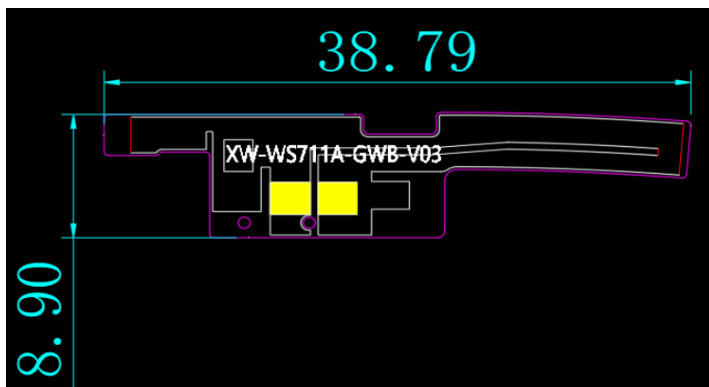
Dimensional drawing of main antenna

Unit: mm



Dimensional drawing of GPS/WIFI/BT antenna

Unit: mm



Dimensional drawing of diversity antenna

Unit: mm

