

Antenna Specification



Mobile antenna test report

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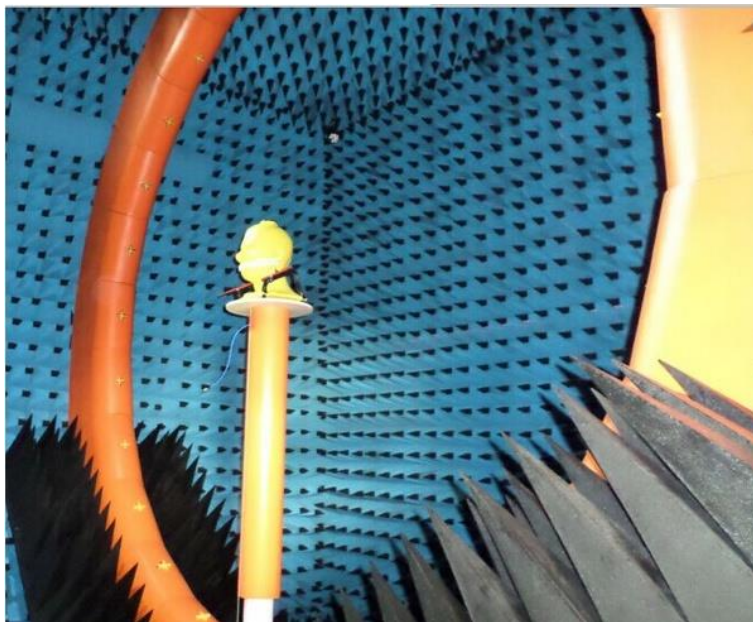
Office address: A316, Bldg. A, Languang Technology Bldg., No. 5 Xinx
Rd. W, Nanshan Dist., Shenzhen,

Test equipment

Wireless communications test set: CMW500

Network Analyzer: Agilent 5071B

Anechoic Chamber : SATIMO SG24



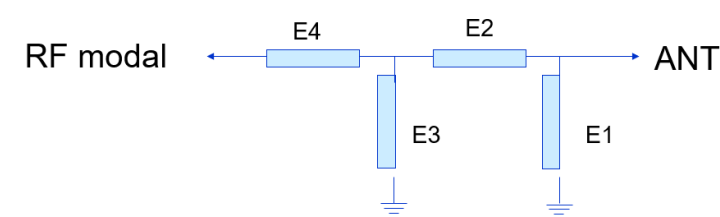
Antenna information

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

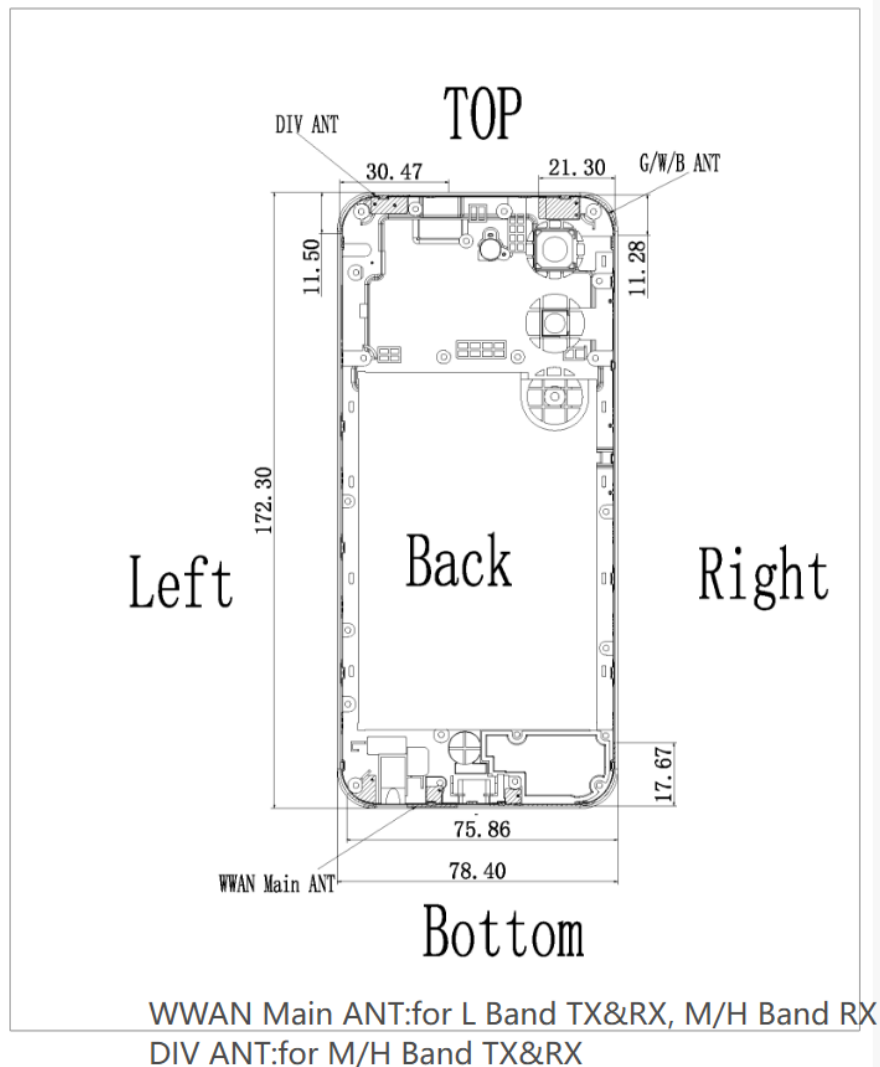
frequency range (MHz)	700–960	1710–2170	2300–2690
VSWR	<3.5	<3.5	<3.5

Matching circuit (No modification) :



Element	Value
E1	OR
E2	NC
E3	OR
E4	NC
E5	OR
E6	NC

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

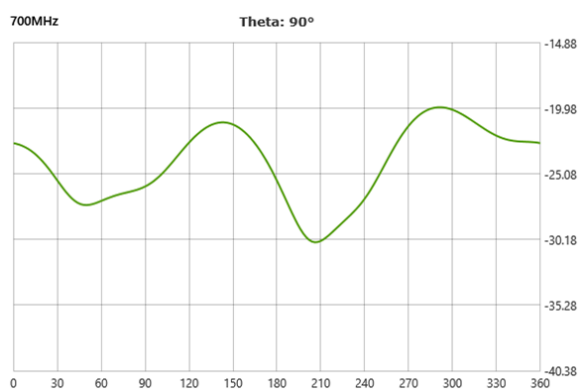
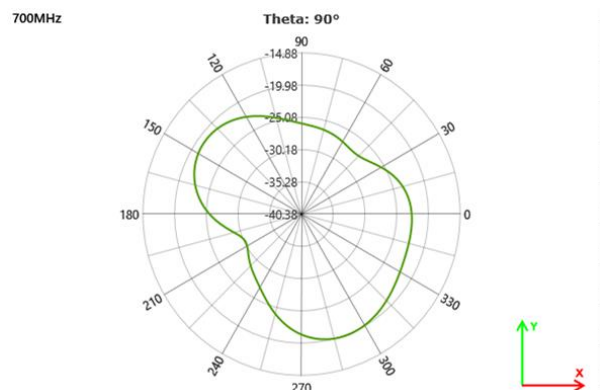
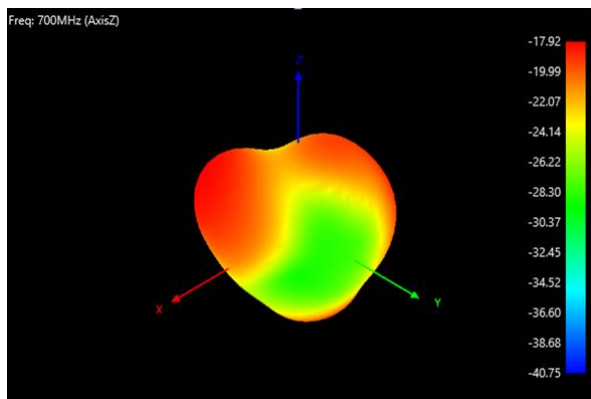
WCDMA B5/B8 RX&TX
GSM B5/B8 RX&TX
DIV antenna(Antenna Label:B):
LTE B1/B2/B3/B4/B7/B66/B38/B40 RX&TX
WCDMA B1/B2/B4 RX&TX
GSM B2/B3 RX&TX
WiFi/BT 2.4~2.5G/2412MHz~2472MHz& /GPS: 1575.42 MHz ;

Antenna Max. Peak Gain:

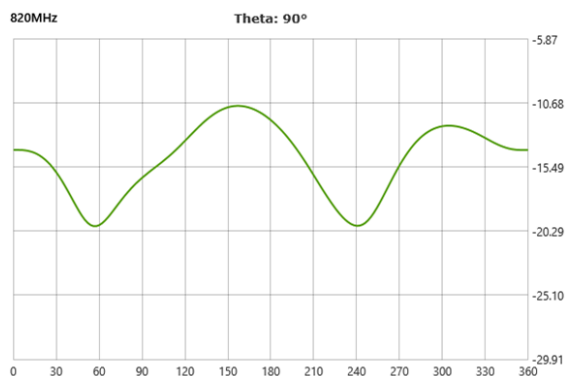
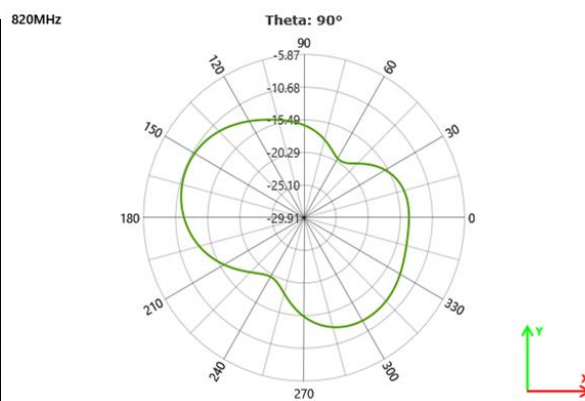
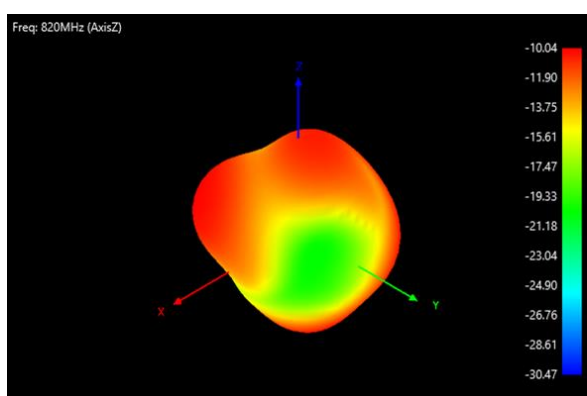
GSM850: -2.59dBi
EGSM900:-2.79dBi
DCS1800: -1.48dBi
PCS1900: -1.32dBi
WCDMA W1: -1.32dBi
WCDMA W2: -1.32dBi
WCDMA W4: -1.48dBi
WCDMA W5: -2.59dBi
WCDMA W8: -2.79dBi
LTE-B1: -1.32dBi
LTE-B2: -1.32dBi
LTE-B3: -1.48dBi
LTE-B4: -1.48dBi
LTE-B5: -2.59dBi
LTE-B7: -1.61dBi
LTE-B8: -2.79dBi
LTE-B12: -2.94dBi
LTE-B13: -2.94dBi
LTE-B17: -2.94dBi
LTE-B28: -2.94dBi
LTE-B66: -1.48dBi
LTE-B38: -1.61dBi
LTE-B40: -1.47dBi
WIFI (2.4G)/BT: -1.33dBi
WIFI 5G: -1.62dBi
GPS: -1.46dBi

3. Antenna Apple Diagram

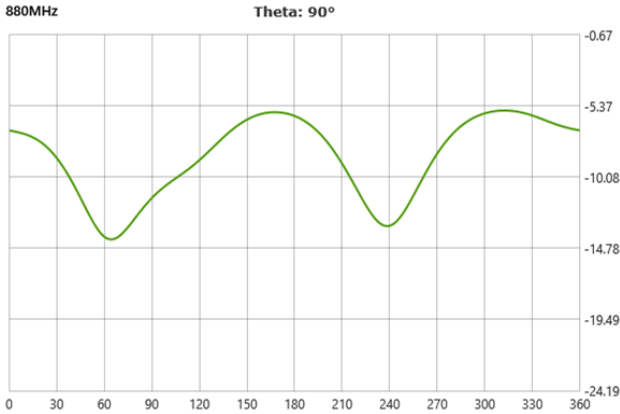
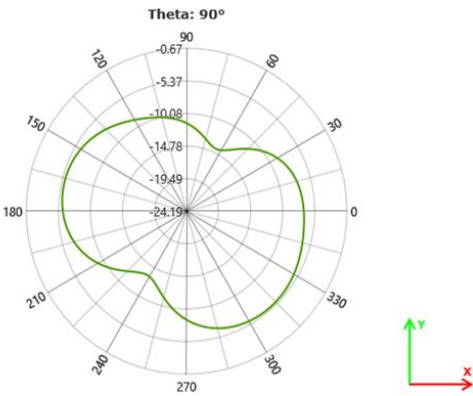
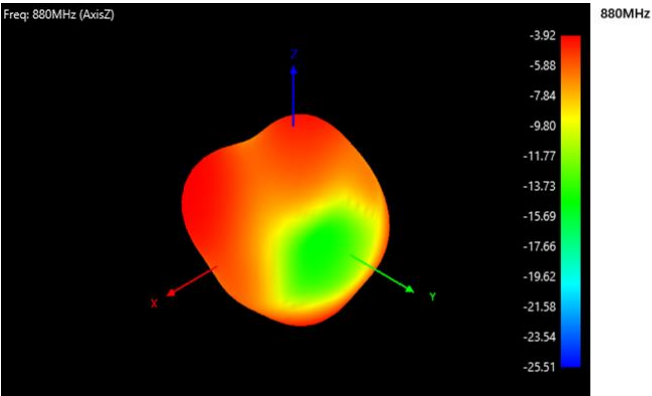
703MHZ~803MHZ



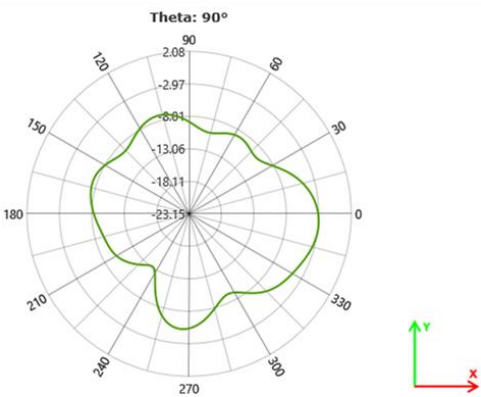
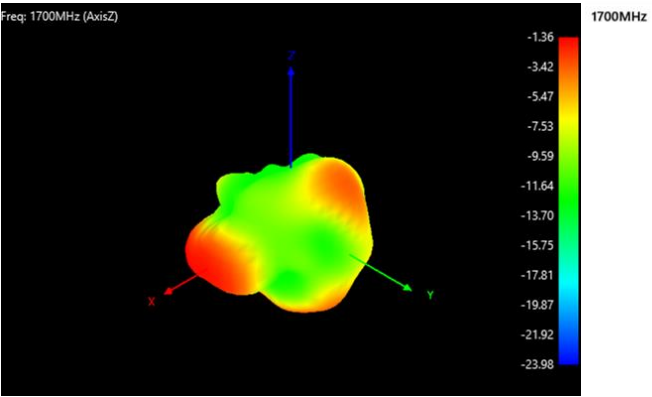
824MHZ~880MHZ

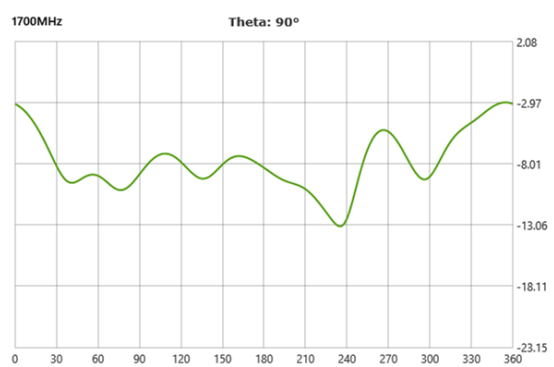


880MHZ~960MHZ

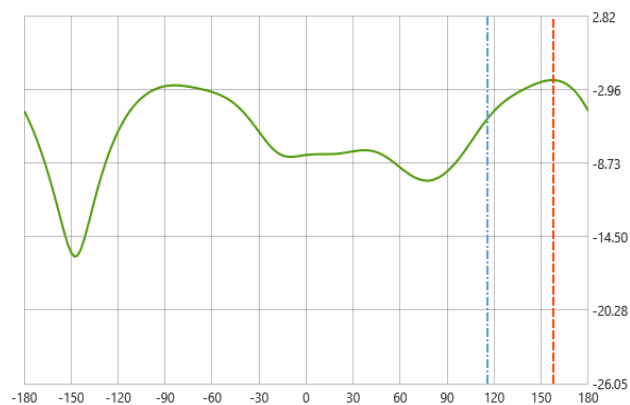
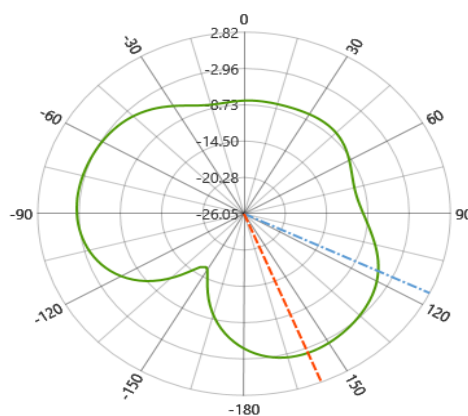
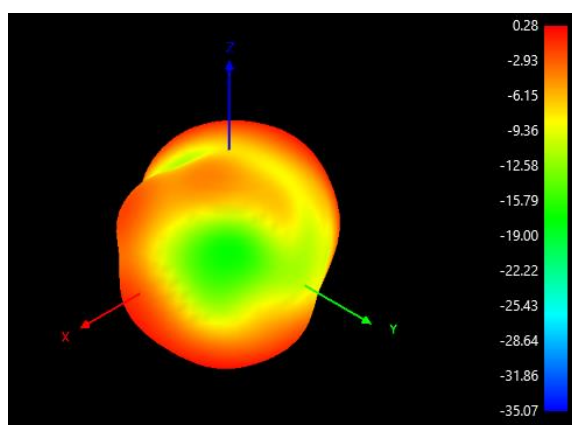


1710MHZ~2700MHZ

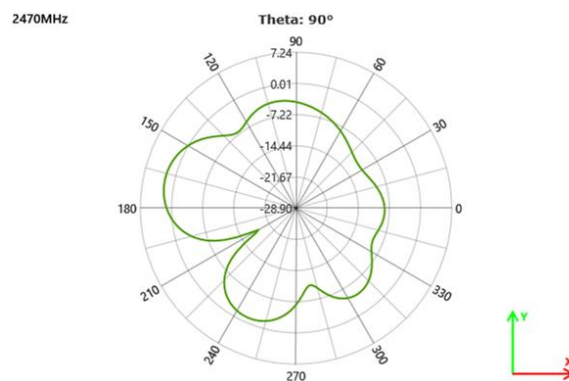
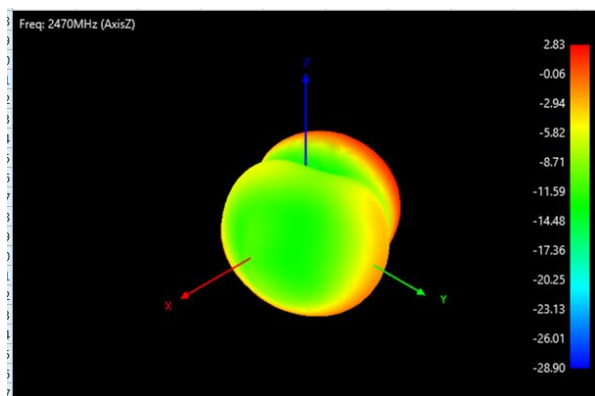


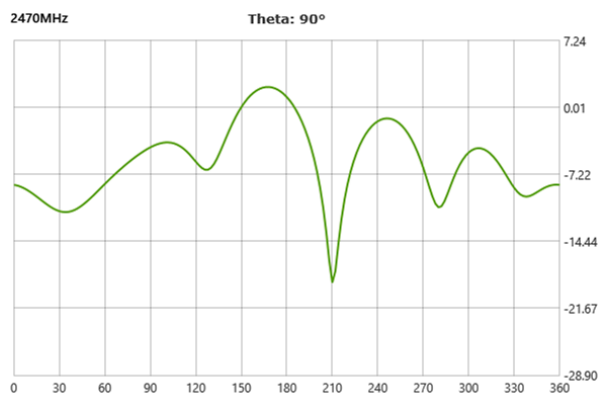


1575.42MHz (GPS)

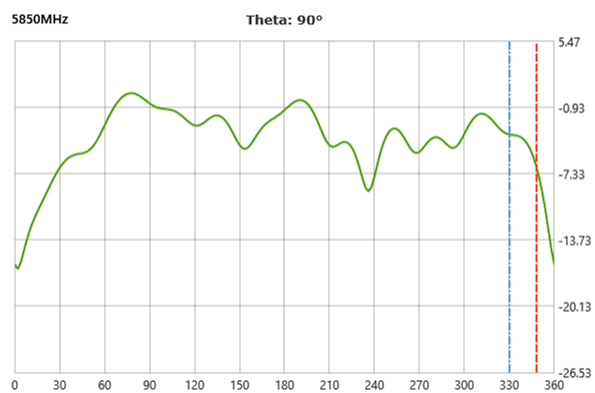
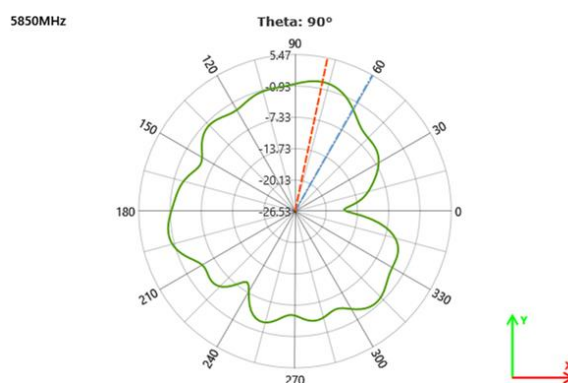
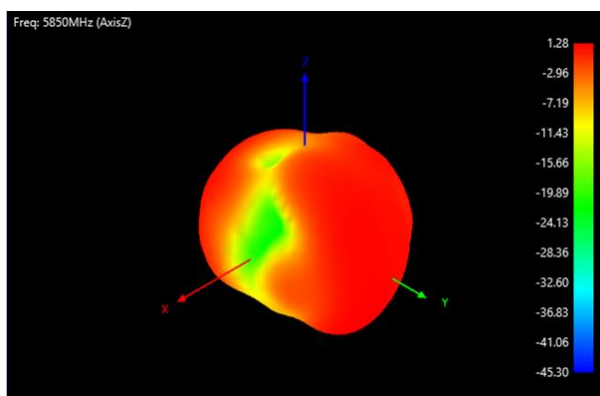


2400MHz~2500MHz (BT/WIFI 2.4G)



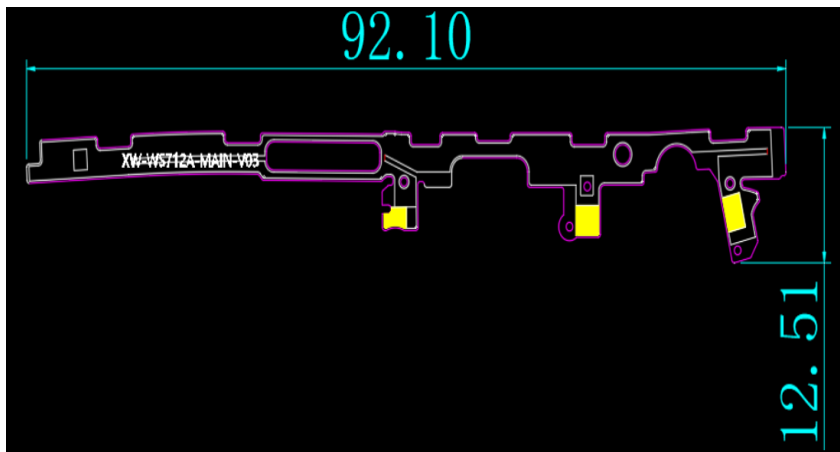


5150MHZ~5850MHZ (WIFI5. 8G)



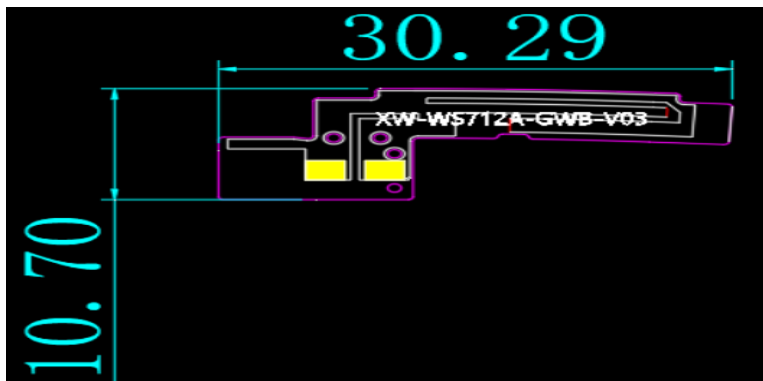
Dimensional drawing of main antenna

Unit: mm



Dimensional drawing of GPS/WIFI/BT antenna

Unit: mm



Dimensional drawing of diversity antenna

Unit: mm

