



Antenna Test Report

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Co., Ltd**

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Contents:

Test equipment

Modal information

Matching circuit

Active performance
test data

Test equipment

Wireless communications test set: CMW500

Network Analyzer: Agilent 5071B

Anechoic Chamber : SATIMO SG24

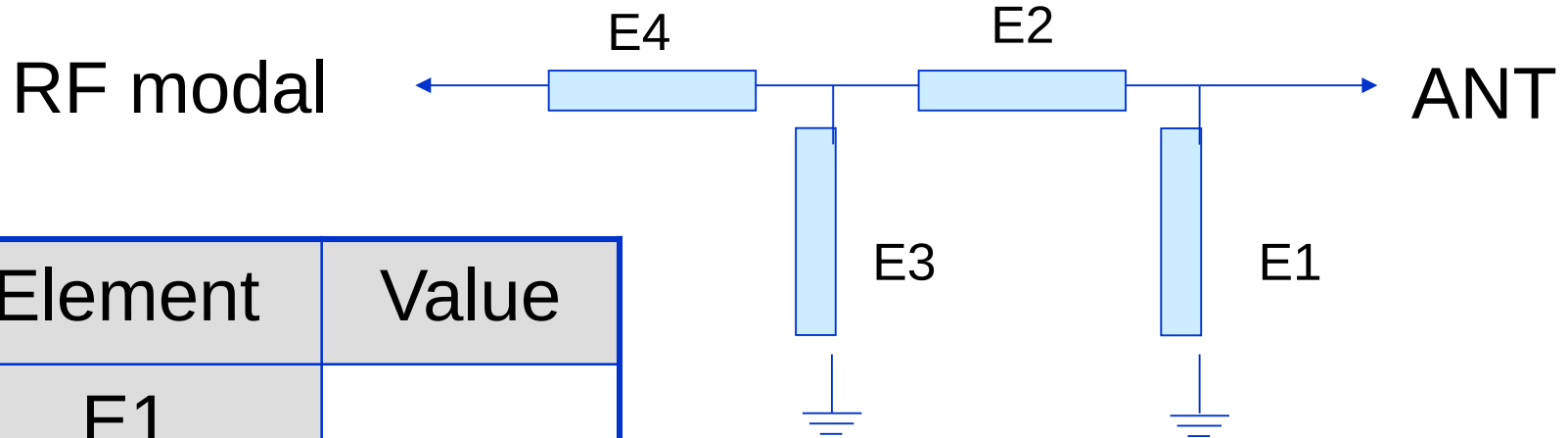


Antenna information

Customer	Boat of wealth
Antenna model	FPC
Antenna type	PIFA
Antenna band	GSM:900/1800/850/1900 WCDMA:B1/B2/B4/B5 LTE:B1/B2//B4/B5/B7/B12/B13/B25/B26 /B66/B71/B41

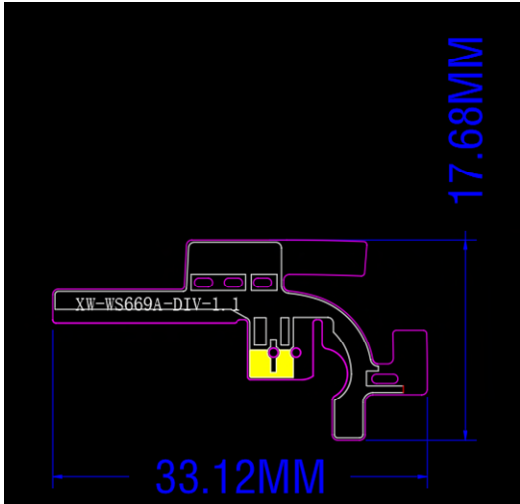
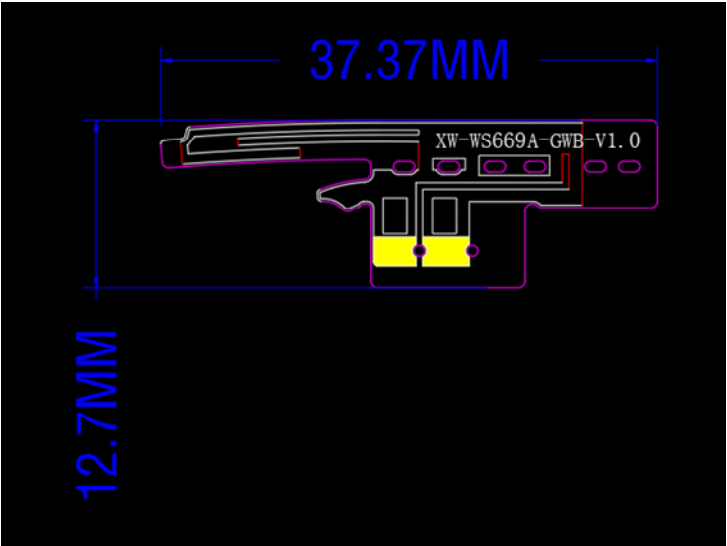
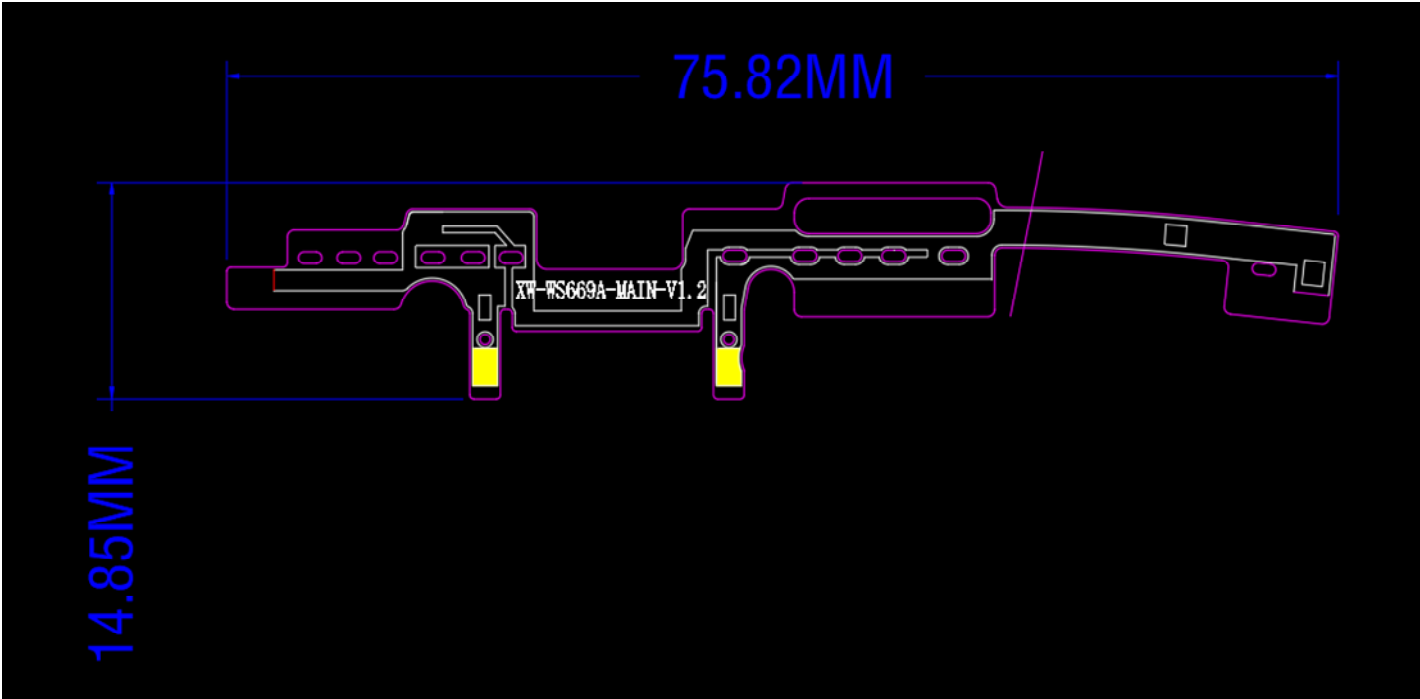
frequency range (MHz)	603–960	1710–2170	2490–2690
VSWR	<3.5	<3.5	<3.5

Matching circuit (No modification)



Element	Value
E1	
E2	
E3	
E4	

Antenna dimension drawing



LTE Antenna gain

All of Implementation antenna

Main antenna(Antenna Label:A):

LTE B5/B12/B13/B26/B71 RX&TX

LTE B1/B2/4/B7/B41/B66 RX

WCDMA B5 RX&TX

WCDMA B1/B2 RX

GSM B5/B8 RX&TX

DIV antenna(Antenna Label:B):

LTE B1/B2/B4/B7/B25/B41/B66 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:

GSM900: -0.77dBi

GSM850: -0.58dBi

DCS1800: -0.92dBi

PCS1900: -1.04dBi

W1: -1.12dBi

W2: -1.04dBi

W4: -0.89dBi

W5: -0.58dBi

LTE-B1: -1.12dBi

LTE-B2: -1.04dBi

LTE-B4: -0.89dBi

LTE-B5: -0.58dBi

LTE-B7: -1.29dBi

LTE-B12: -1.16dBi

LTE-B13: -1.21dBi

LTE-B25: -1.04dBi

LTE-B26: -0.58dBi

LTE-41: -1.29dBi

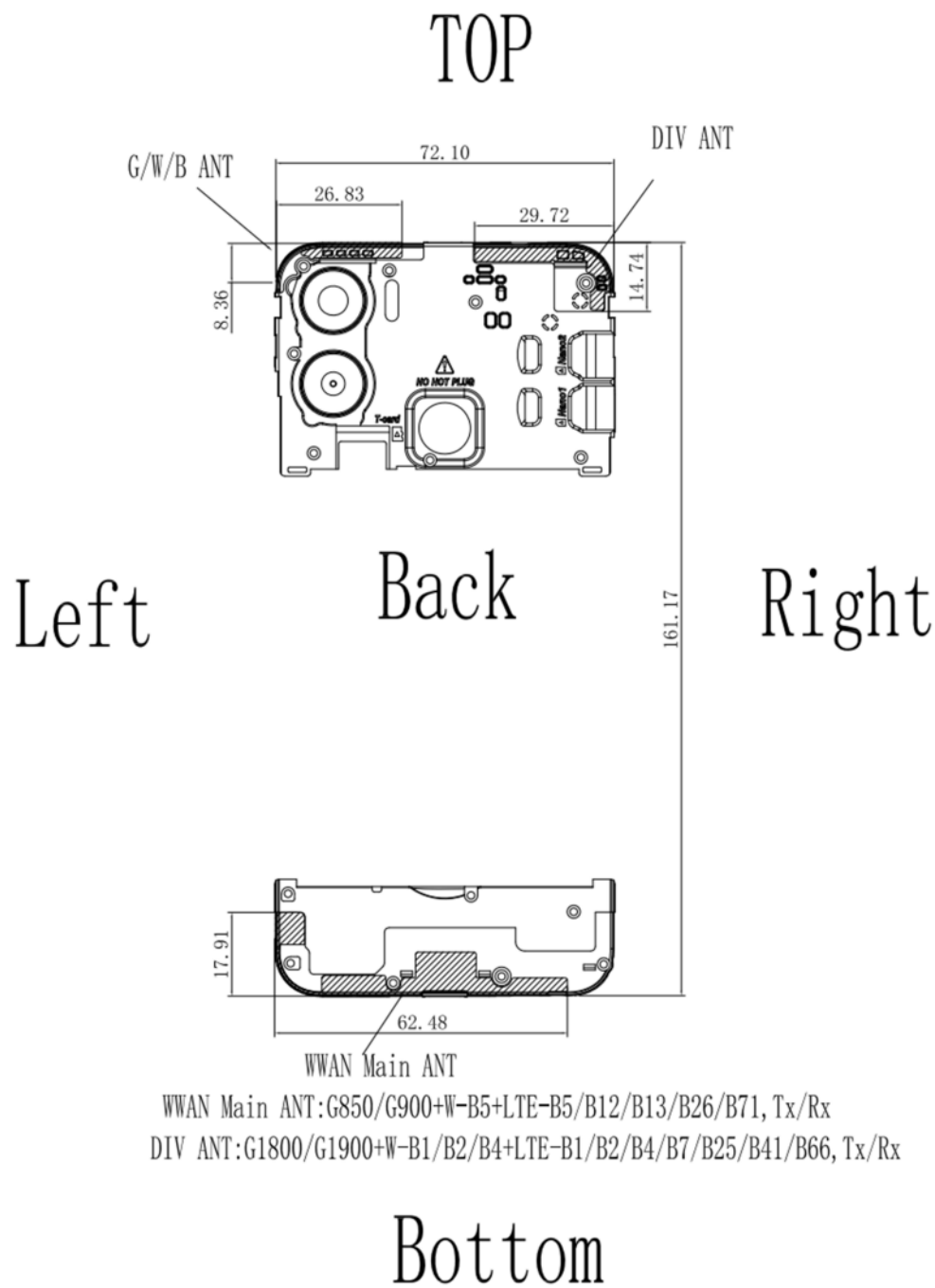
LTE-B66: -0.89dBi

LTE-B71: -1.36dBi

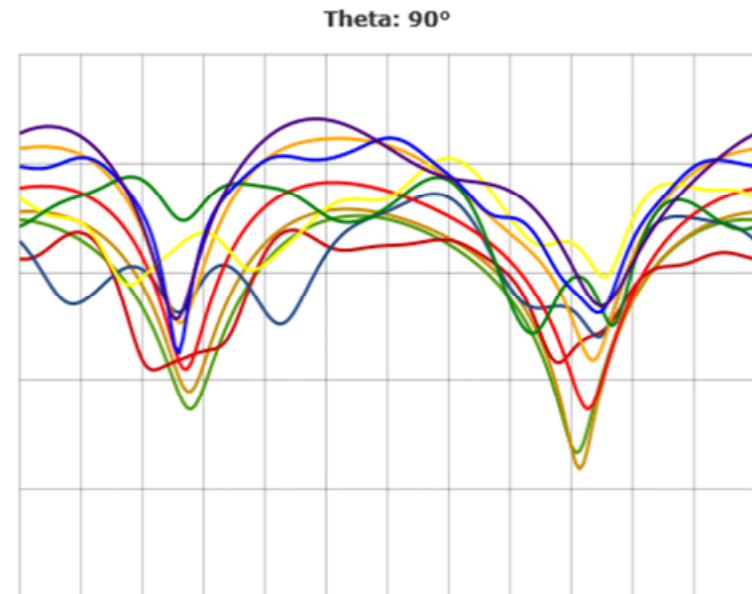
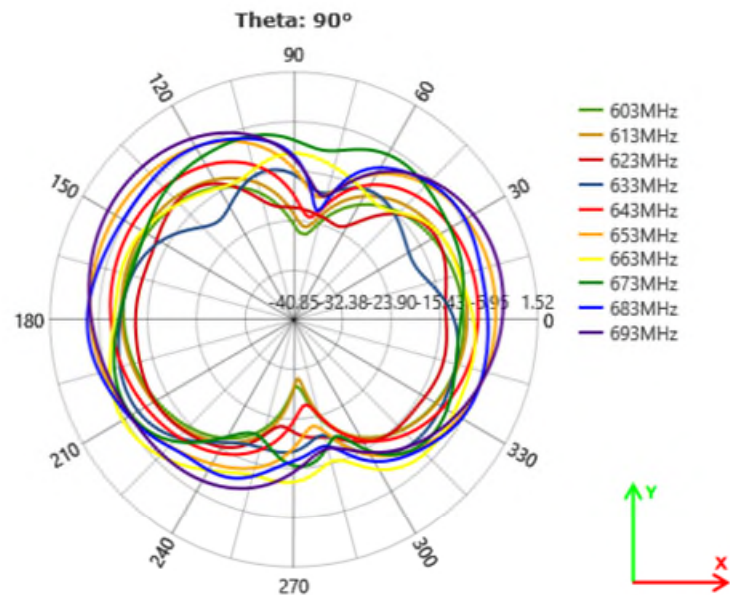
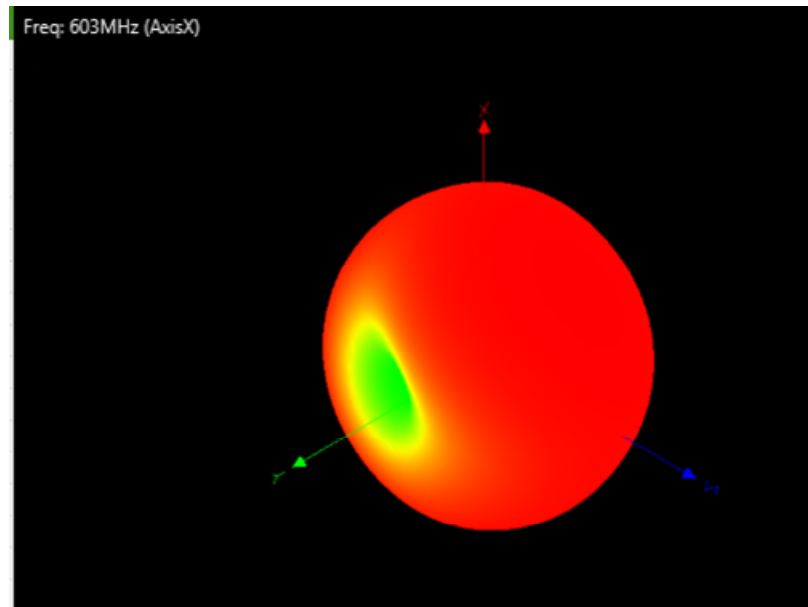
WIFI (2.4G) : -1.38dBi

BT: -1.38dBi

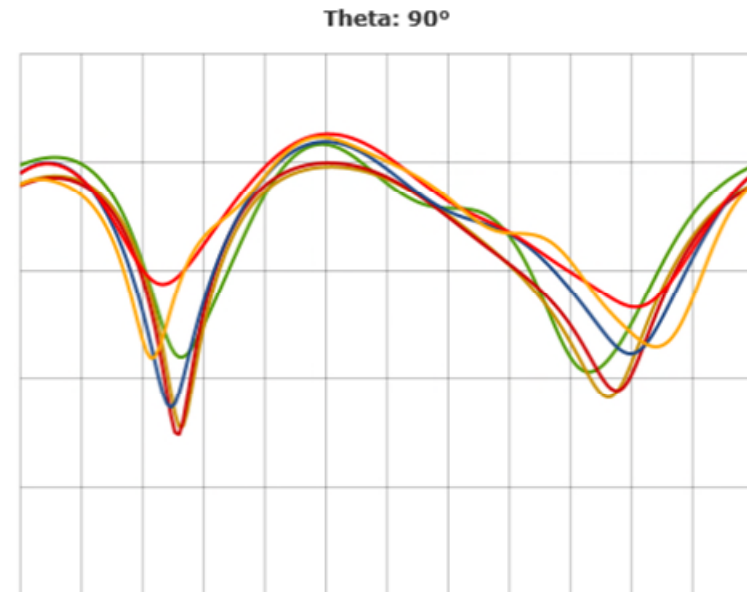
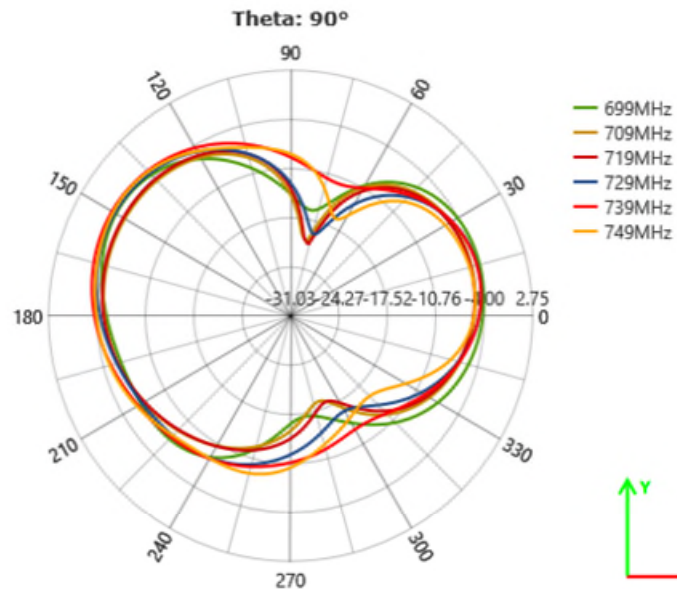
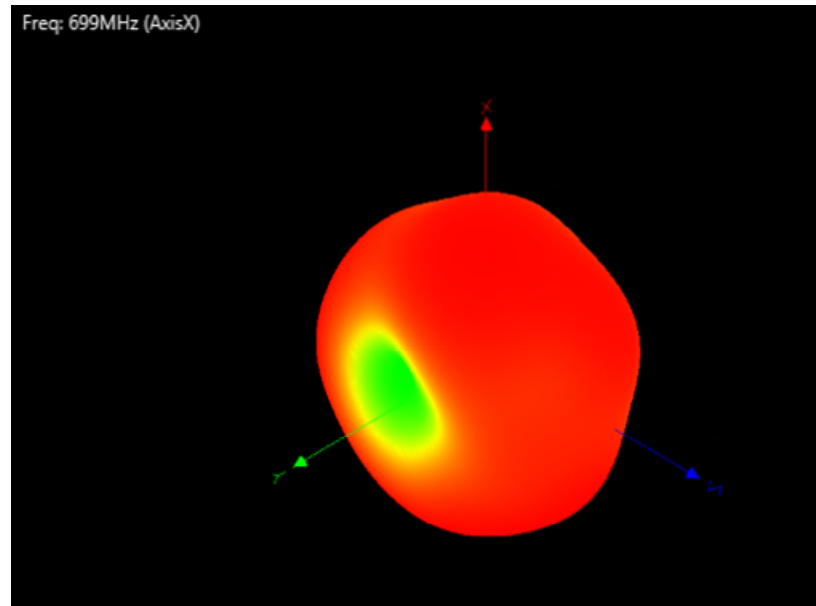
GPS: -1.51dBi



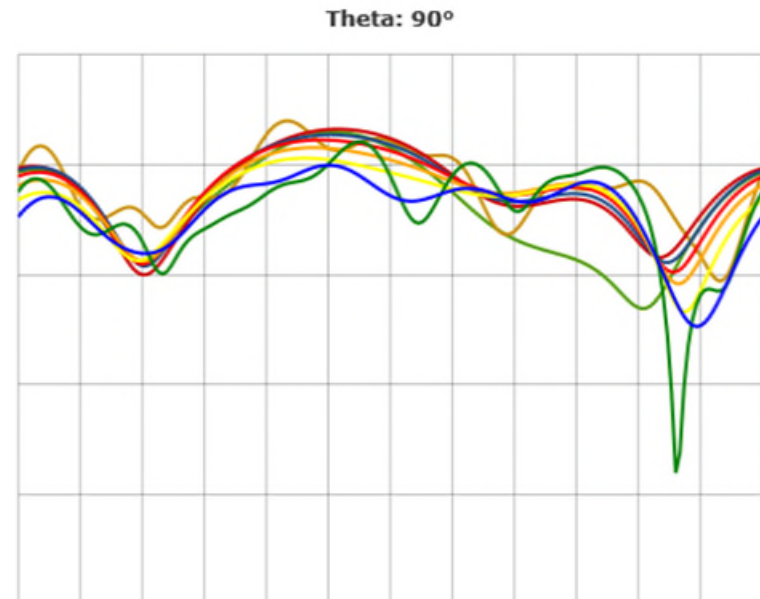
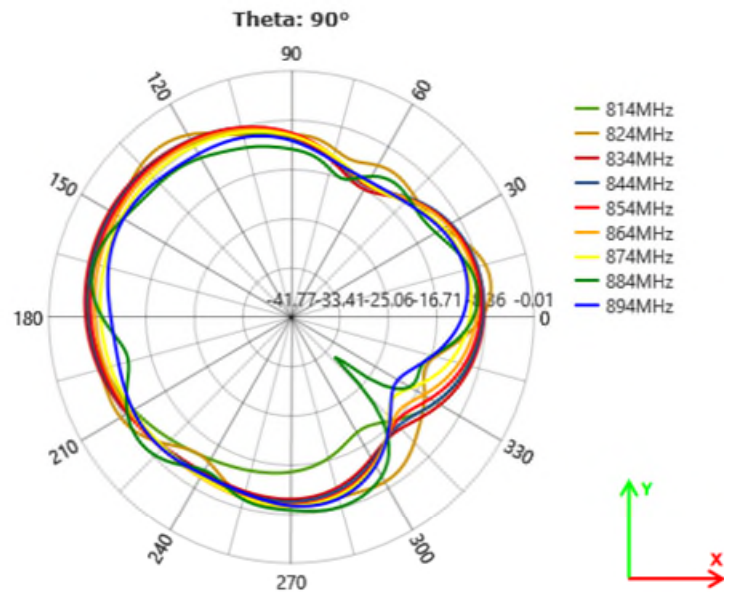
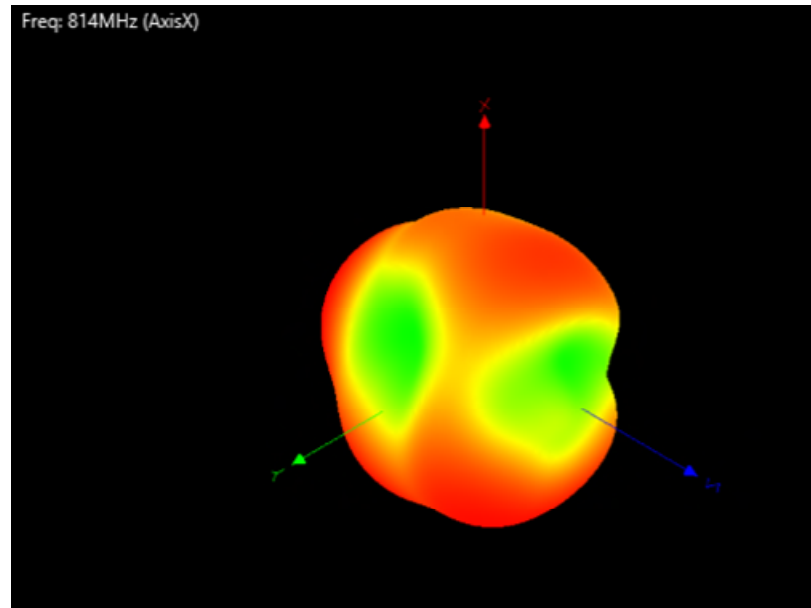
2.3 Main antenna Peak Gain(603~683M)



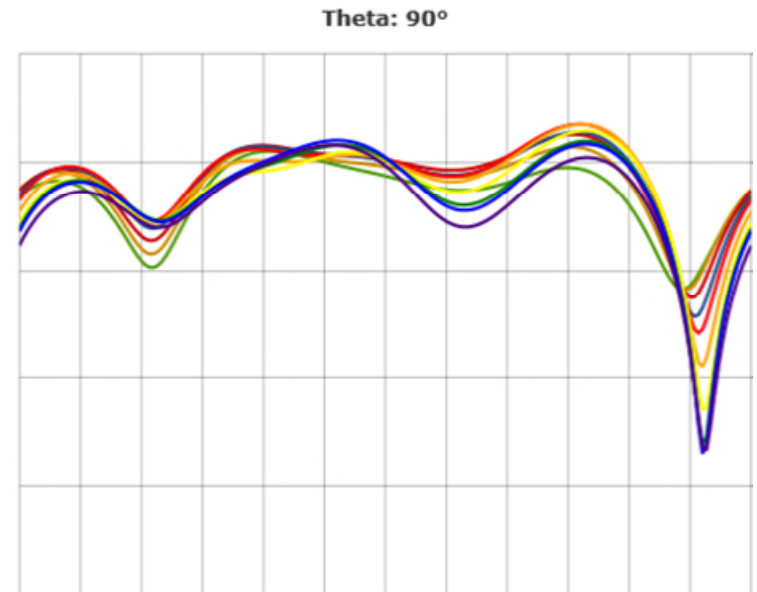
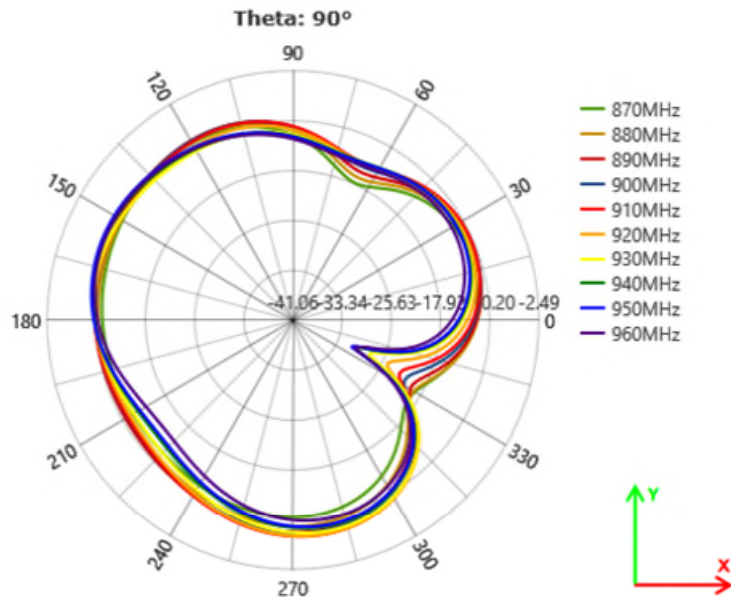
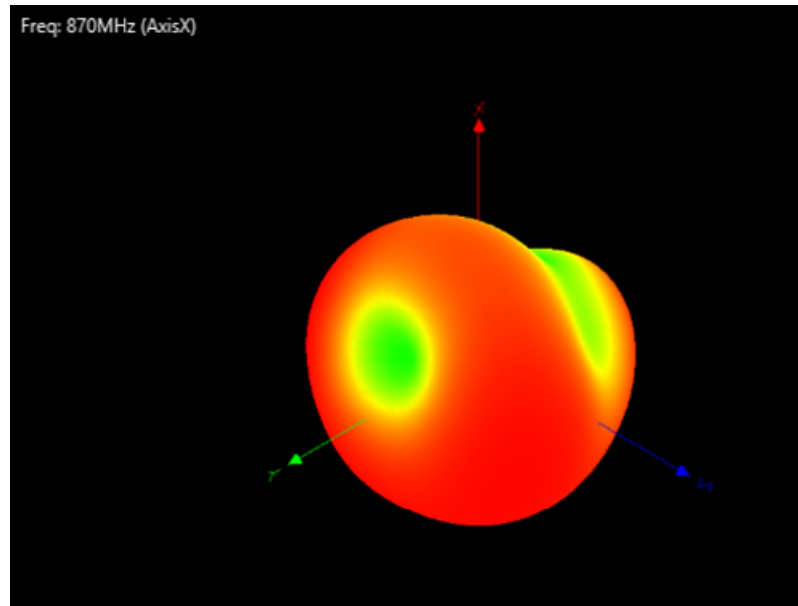
2.3 Main antenna Peak Gain(699~787M)



2.3 Main antenna Peak Gain(814~894M)

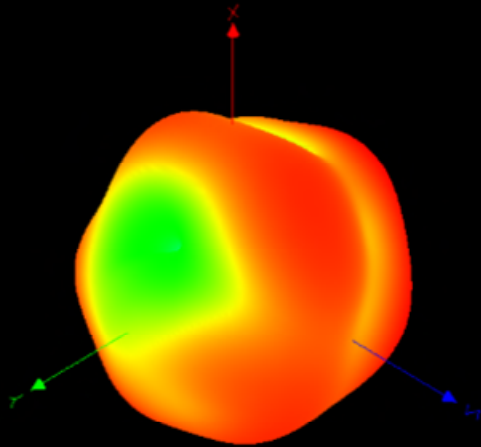


2.3 Main antenna Peak Gain(880~960M)

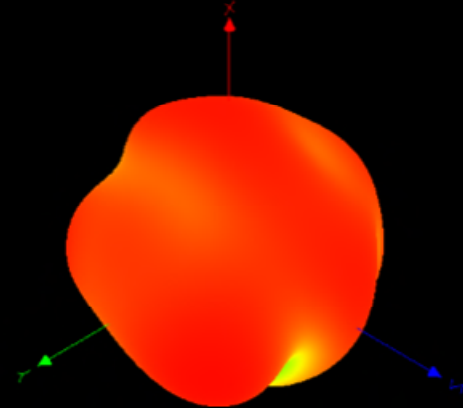


2.3 DIV antenna Peak Gain(1710~2700M)

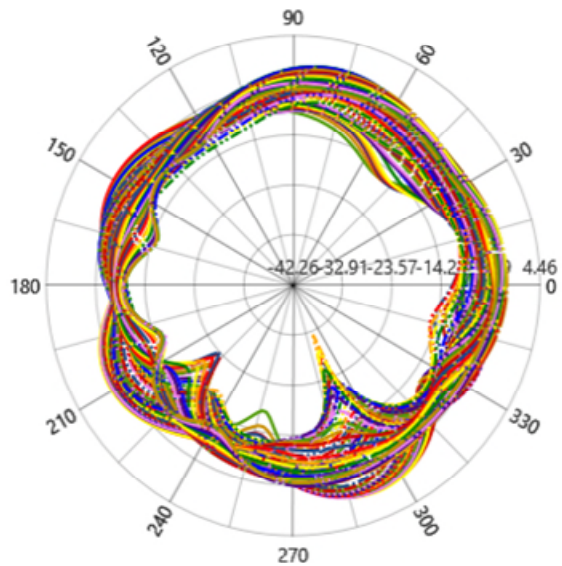
Freq: 1710MHz (AxisX)



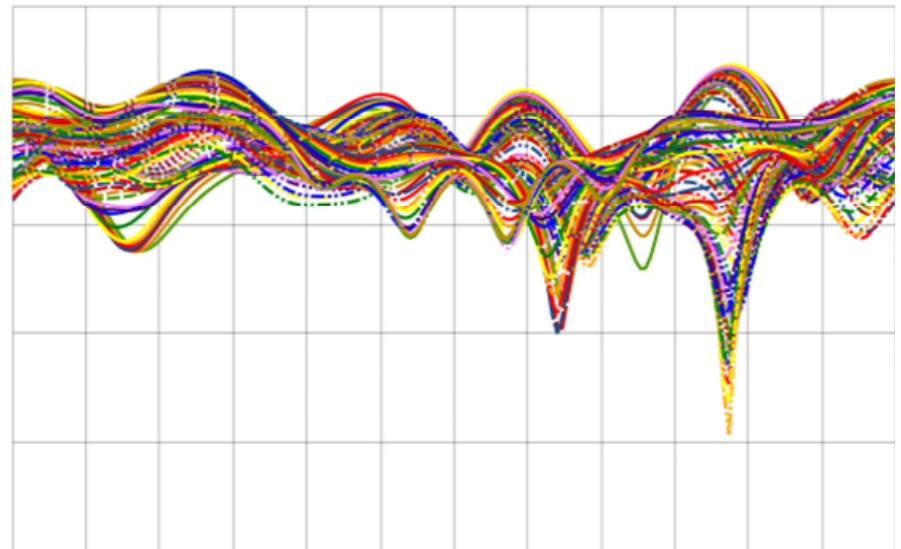
Freq: 2690MHz (AxisX)



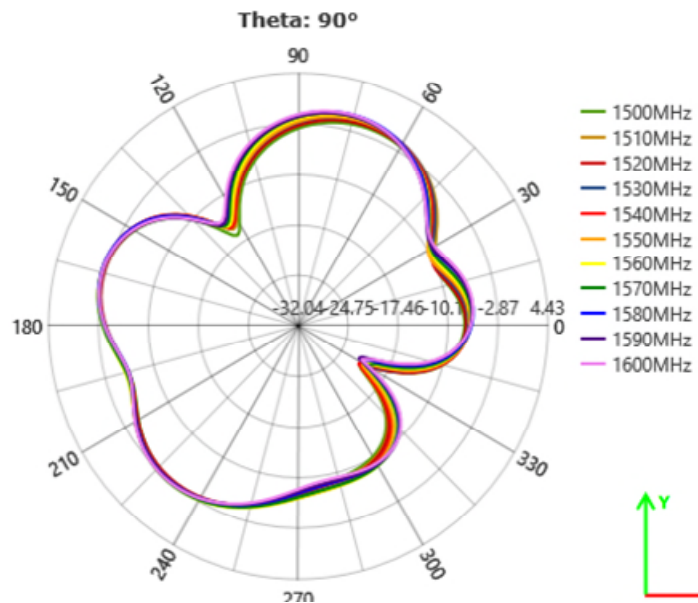
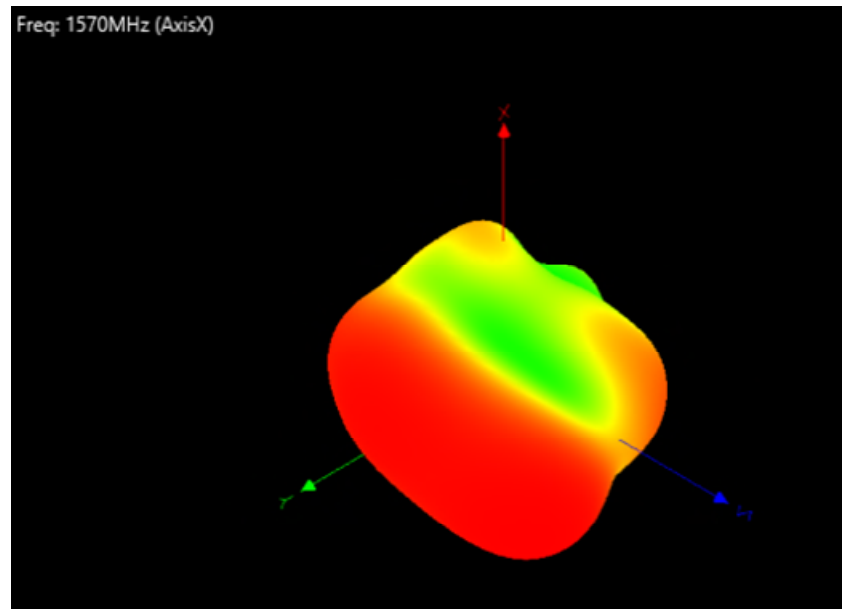
Theta: 90°



Theta: 90°



2.3 G/W/B antenna Peak Gain(1575M)



2.3 G/W/B antenna Peak Gain(2400-2500M)

