



Mobile antenna test report

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Contents:

Test equipment

Modal information

Matching circuit

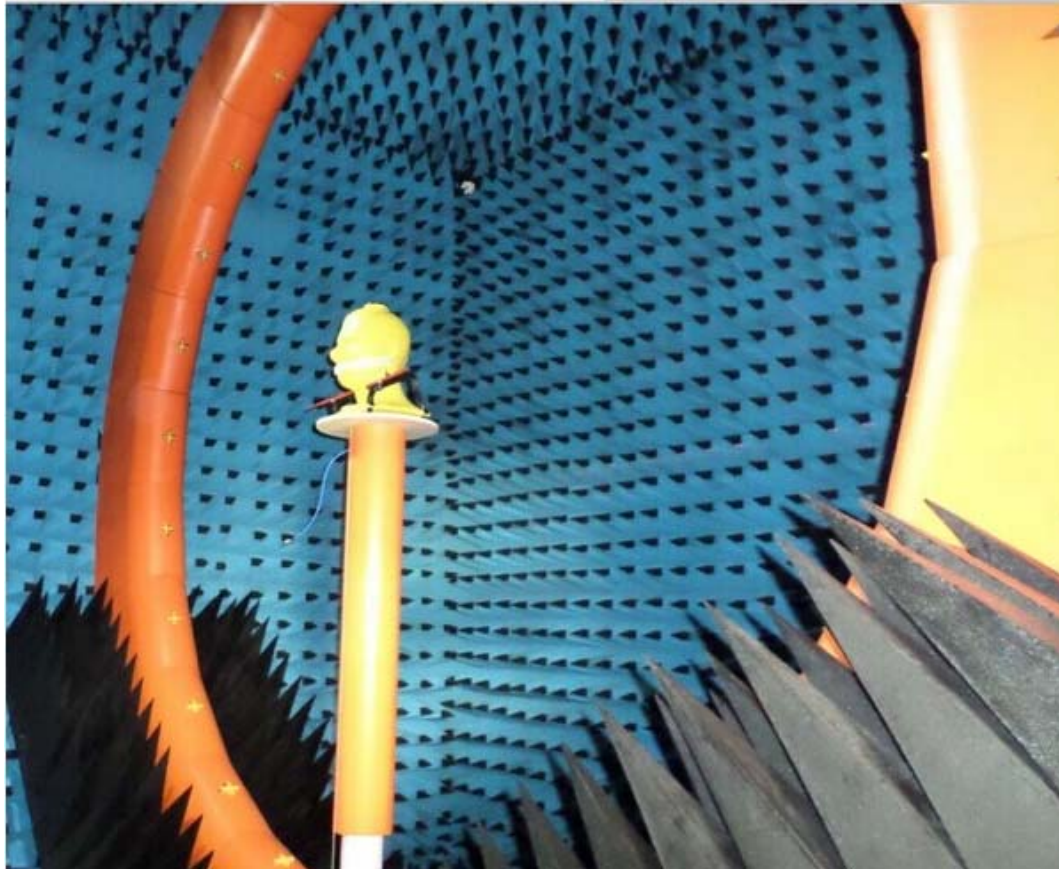
Active performance
test data

Test equipment

Wireless communications test set: CMW500

Network Analyzer: Agilent 5071B

Anechoic Chamber : SATIMO SG24

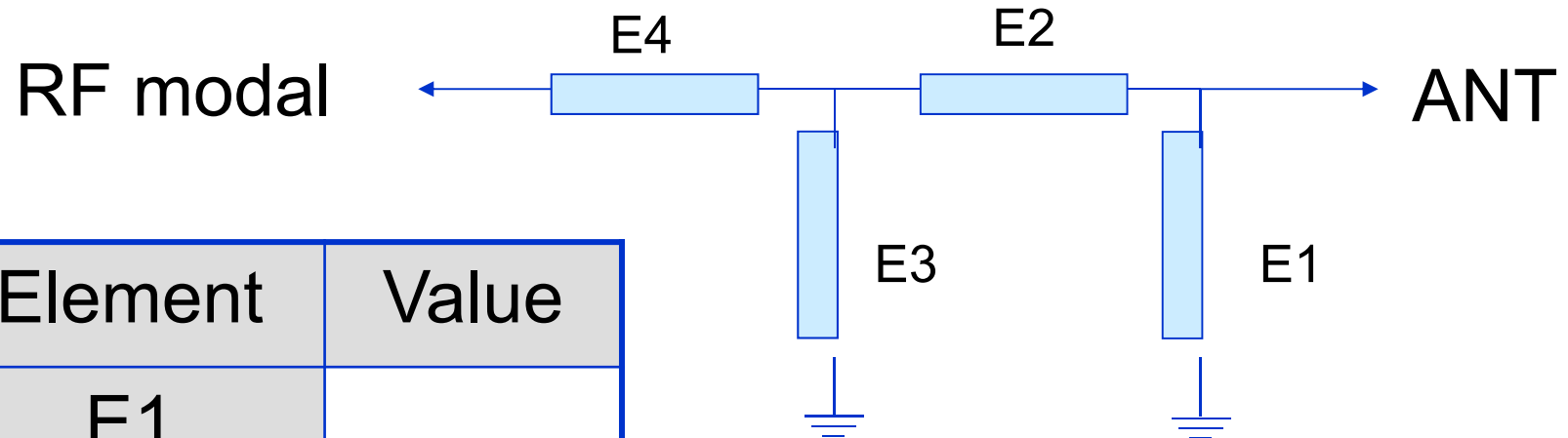


Antenna information

Customer	Boat of wealth
Antenna model	FPC
Antenna type	PIFA
Antenna band	GSM900/1800/850/1900 WCDMA-B2/B4/B5 LTE-B2/B4/B5/B8/B12/B66/B71

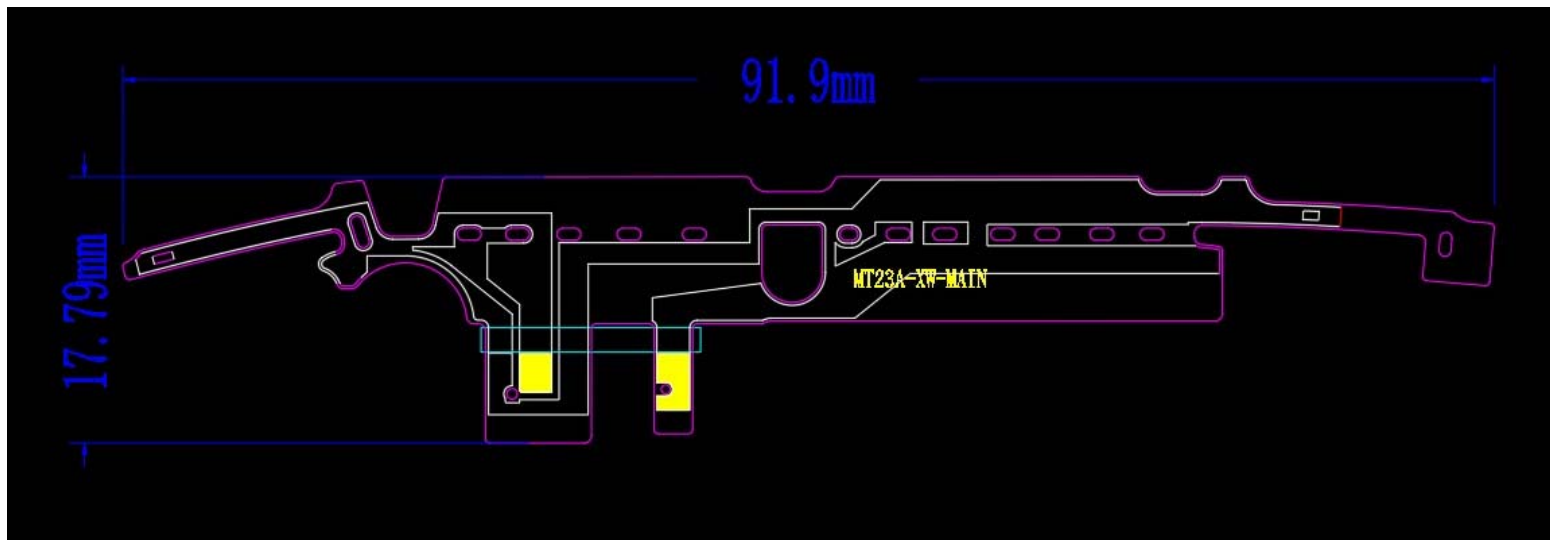
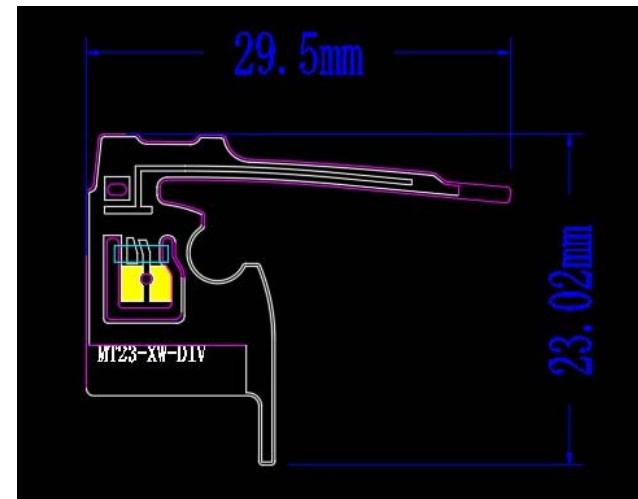
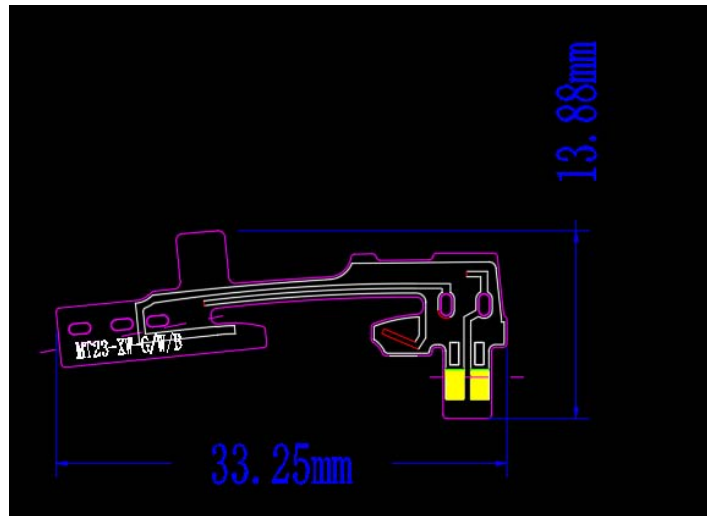
frequency range (MHz)	617-960	1710-2170	
VSWR	<3.0	<3.0	

Matching circuit (No modification)

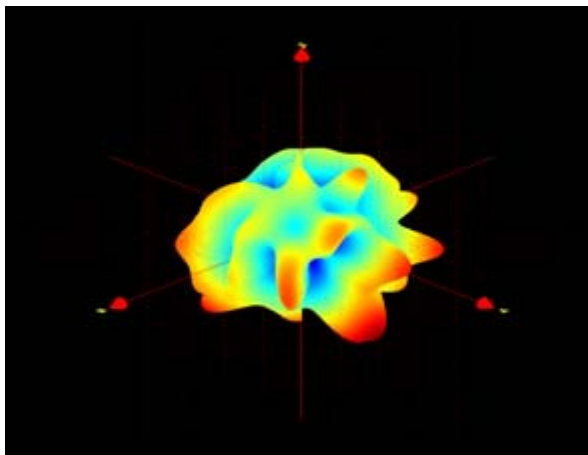
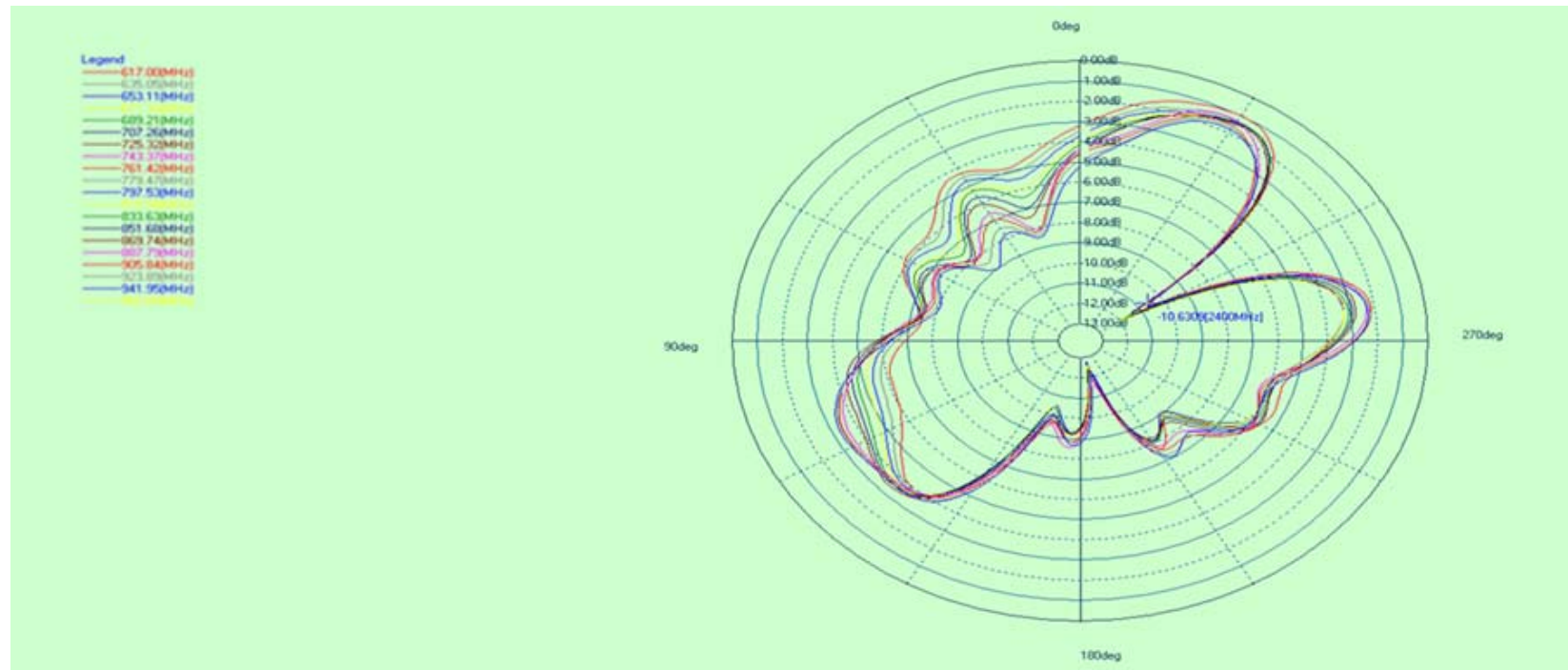


Element	Value
E1	
E2	
E3	
E4	

Antenna dimension drawing

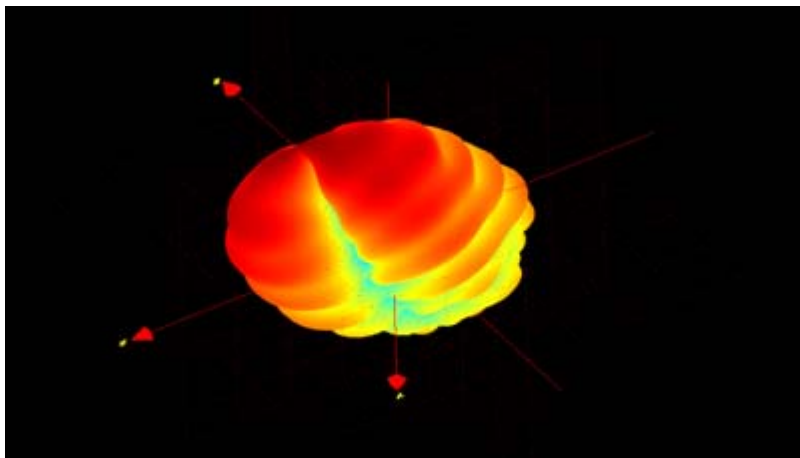
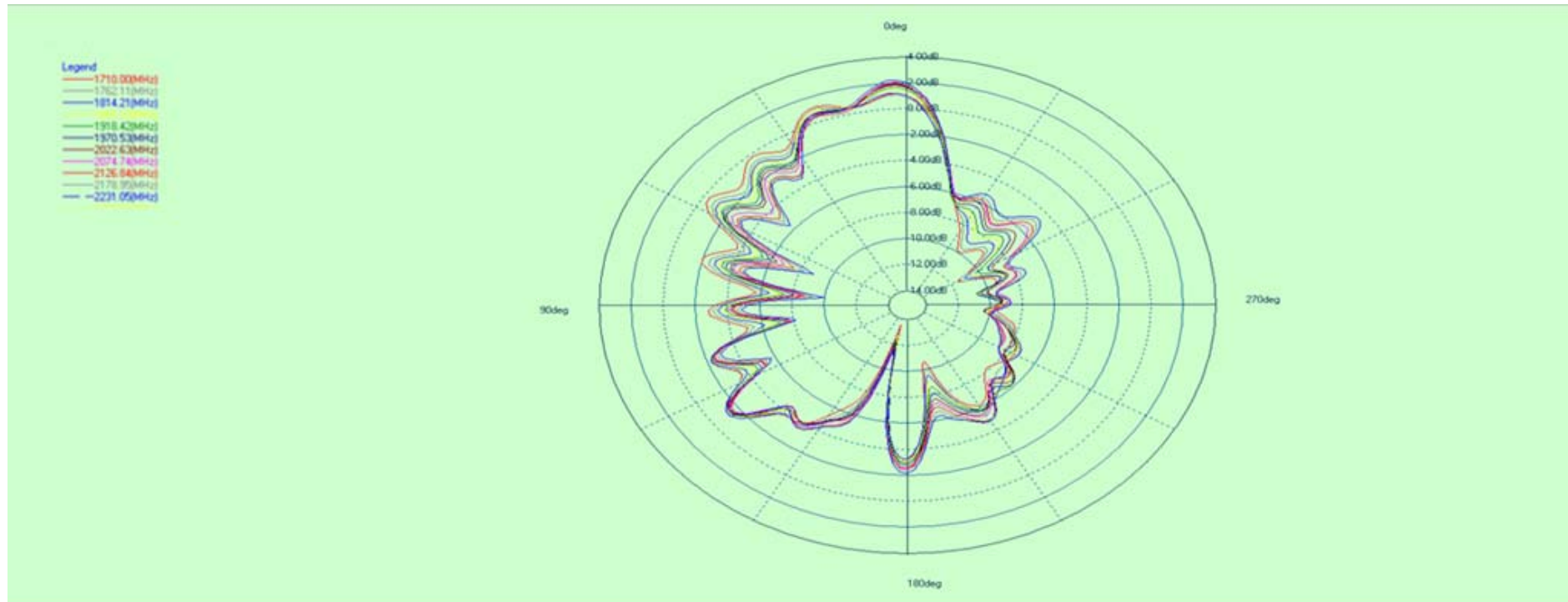


2.3 Main antenna Peak Gain(617~960M)



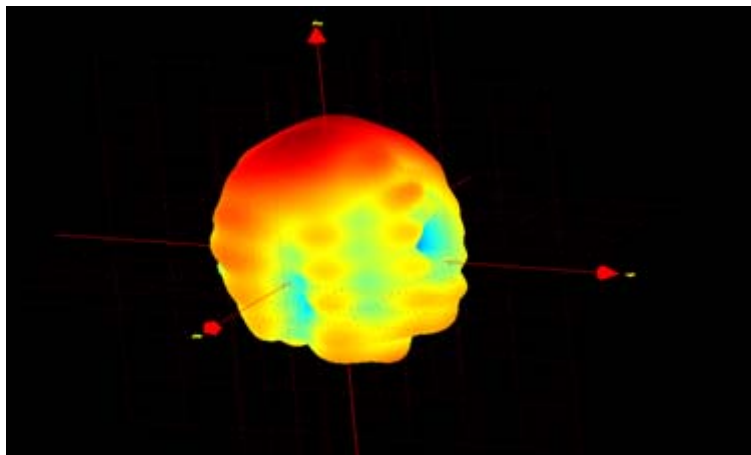
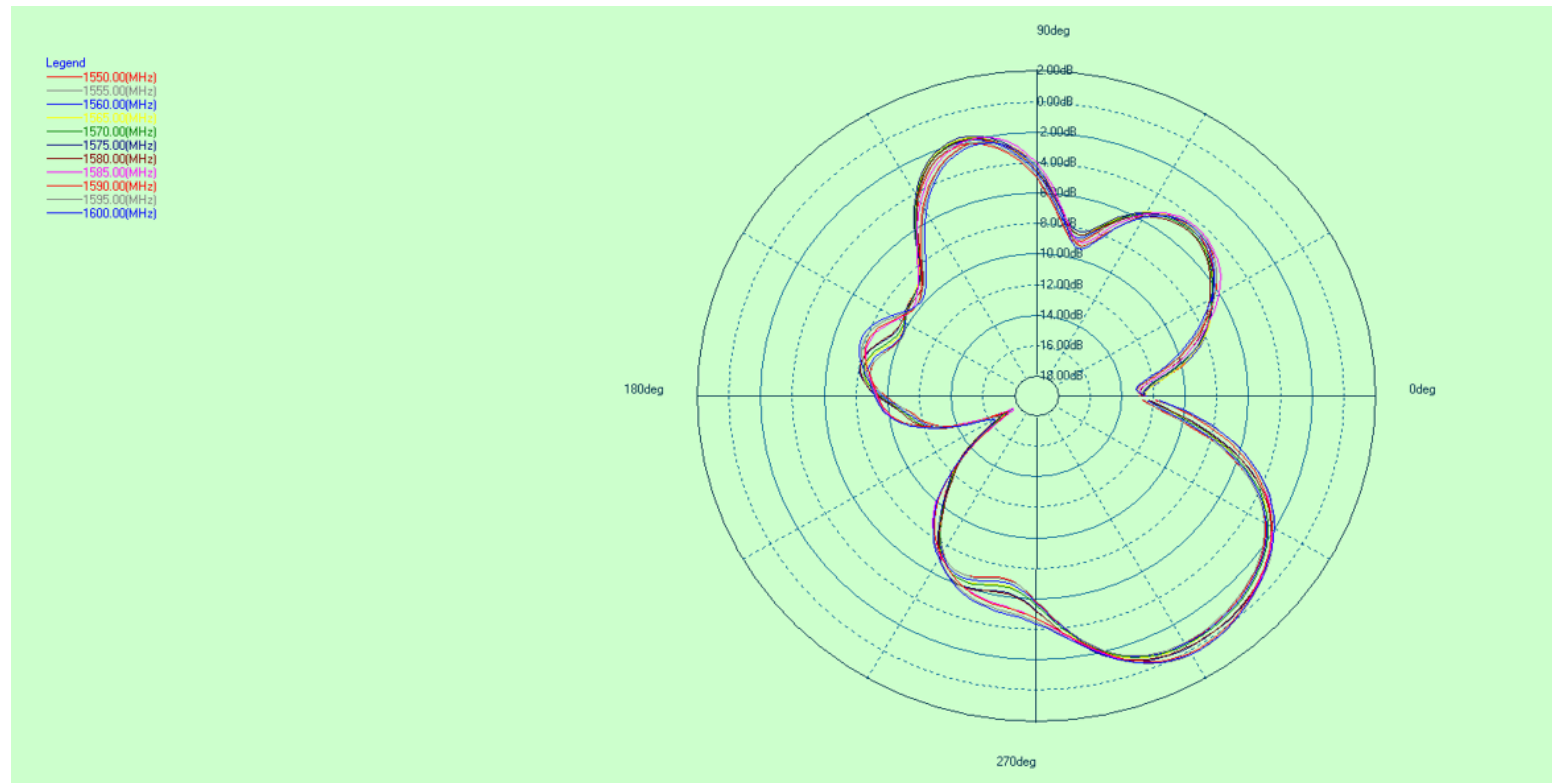
Freq.(MHZ)	Peak .Gain	Effi.(%)
725	-1.8	24

2.3 DIV antenna Peak Gain(1710~2170M)



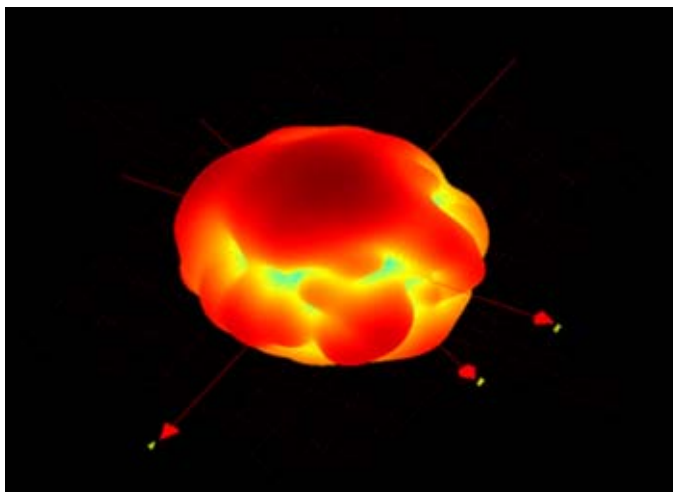
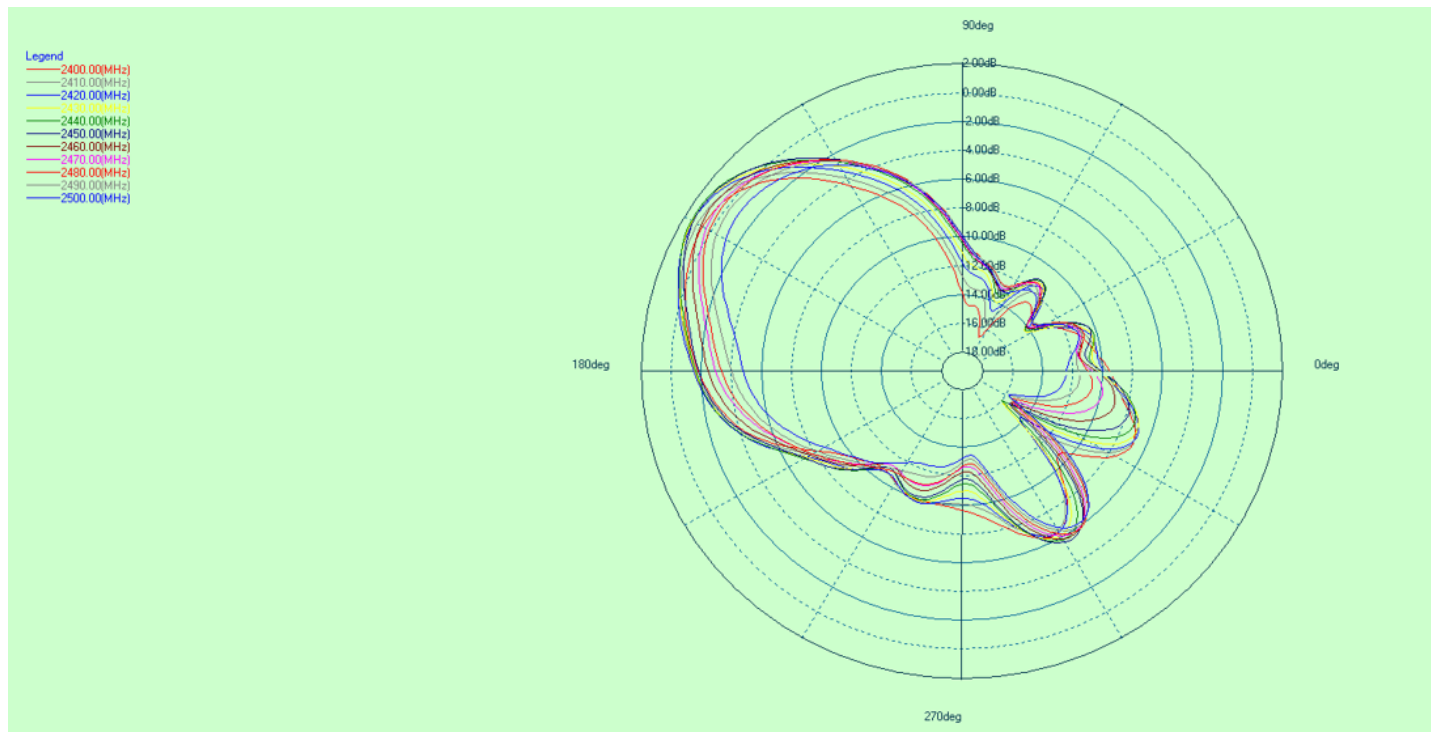
Freq.(MHZ)	Peak .Gain	Effi.(%)
1880	-1.62	28

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



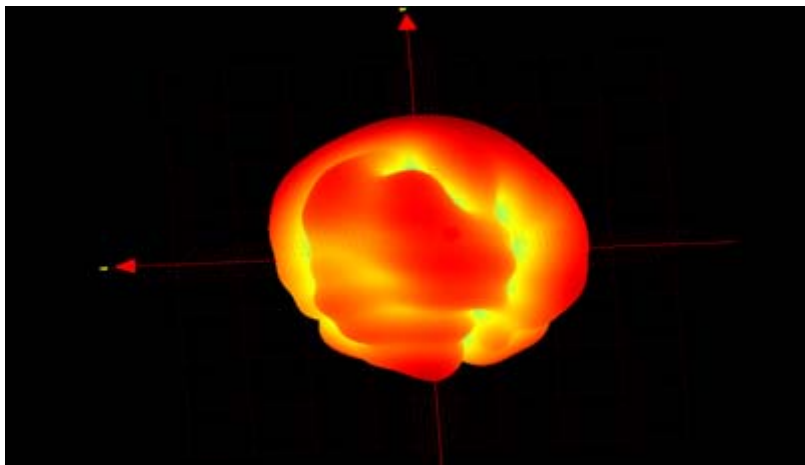
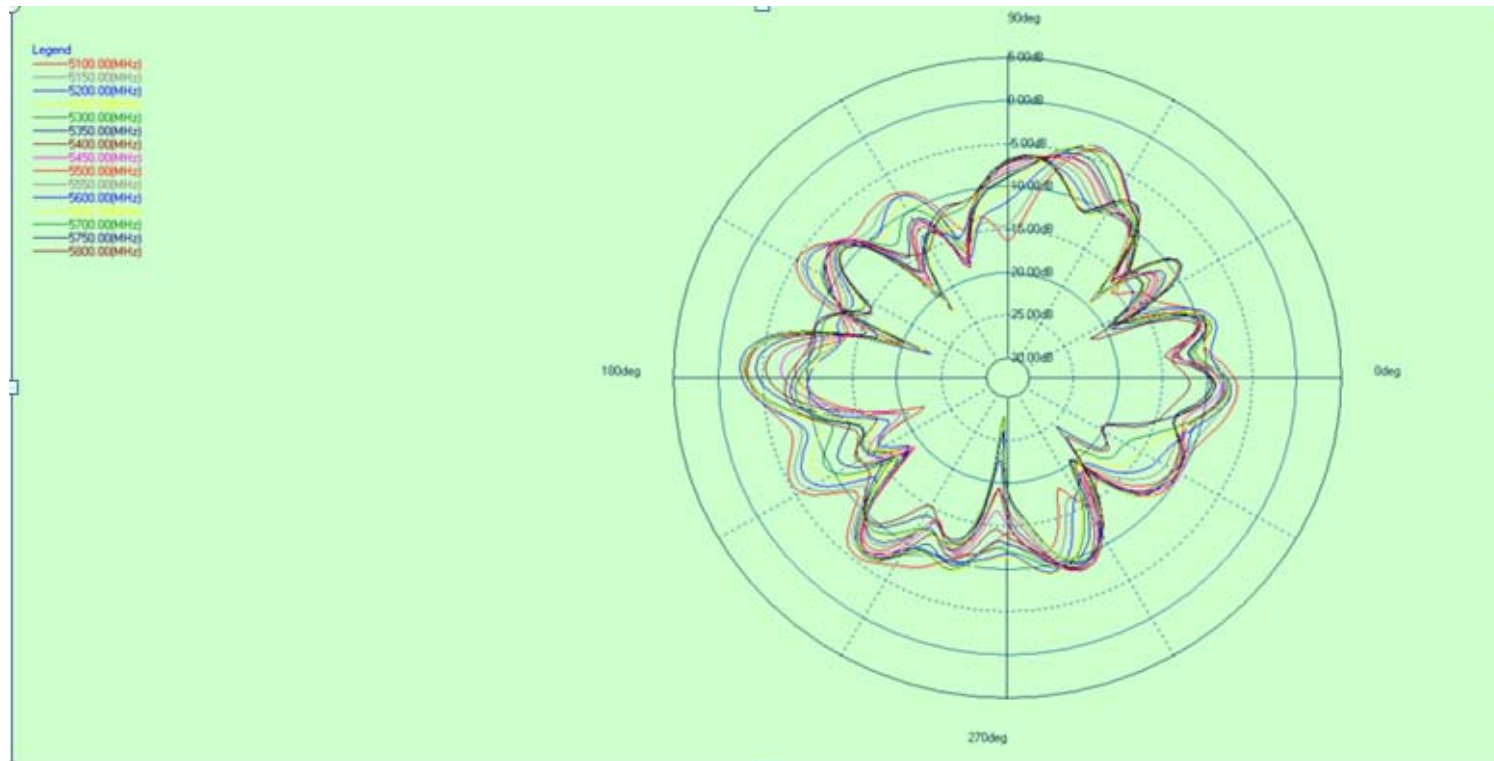
Freq.(MHZ)	Peak .Gain	Effi.(%)
1575	-1.6	33

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



Freq.(MHZ)	Peak .Gain	Effi.(%)
2450	-1.6	35

2.3 G/W/B antenna Peak Gain(5100-5800M)



Freq.(MHZ)	Peak .Gain	Effi.(%)
5450	-2.2	26

LTE Antenna gain

All of Implementation antenna

Main antenna(Antenna Label:A):

LTE B5/B8/B12/B71 RX&TX

WCDMA B5 RX&TX

GSM B5/B8 RX&TX

DIV antenna(Antenna Label:B):

LTE B2/B4/B66 RX&TX

WCDMA B2/B4 RX&TX

GSM B2/B3 RX&TX

WiFi/BT 2.4~2.5G/5.1~5.8G/2412MHz~2472MHz&/5100MHz~5800MHz

GPS: 1575.42 MHz

Antenna Max. Peak Gain:

GSM900: -1.92dBi

GSM850: -1.61dBi

DCS1800: -1.62dBi

PCS1900: -1.87dBi

W2: -1.87dBi

W4: -1.63dBi

W5: -1.61dBi

LTE-B2: -1.87dBi

LTE-B4: -1.63dBi

LTE-B5: -1.61dBi

LTE-B8: -1.92dBi

LTE-B12: -1.84dBi

LTE-B66: -1.65dBi

LTE-B71: -2.0dBi

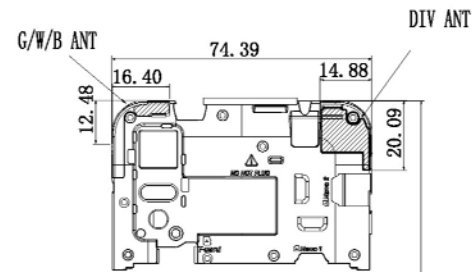
WIFI (5G) : -2.2dBi

WIFI (2.4G) : -1.6dBi

BT: -1.5dBi

GPS: -1.6dBi

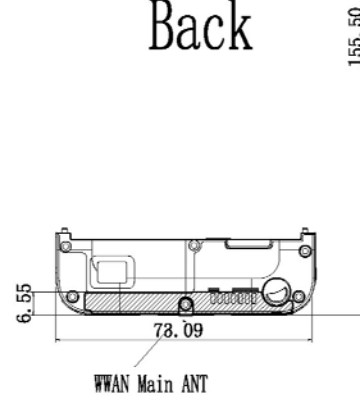
TOP



Right

Back

Left



WWAN Main ANT: for L Band Tx&Rx, M/H Band Rx;
DIV ANT: for M/H Band Tx&Rx

Bottom