



Antenna specification

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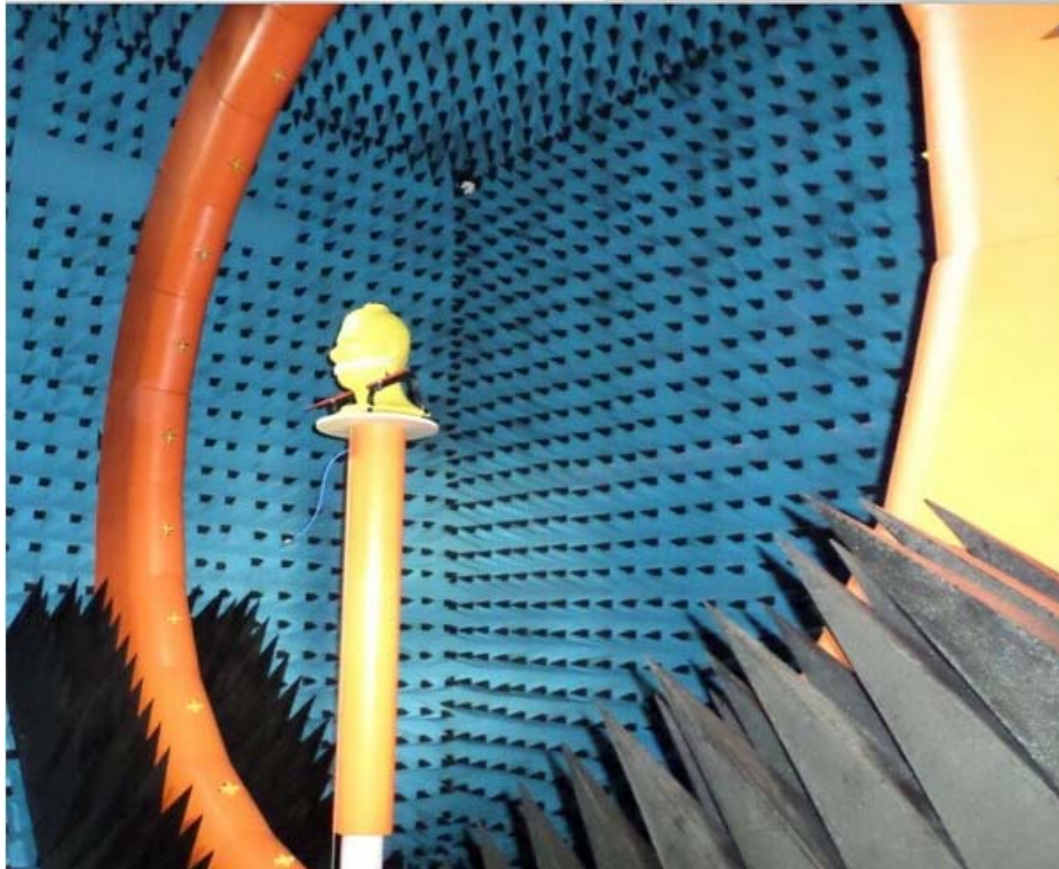
Active performance
test data

Test equipment

Wireless communications test set: CMW500

Network Analyzer: Agilent 5071B

Anechoic Chamber : SATIMO SG24

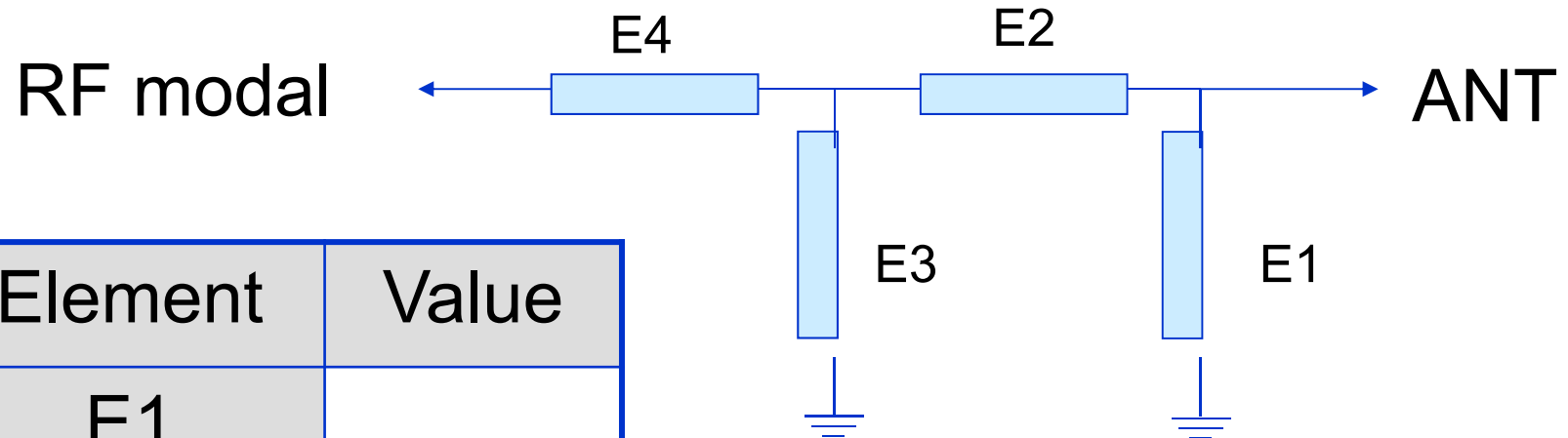


Antenna information

Customer	Boat of wealth
Antenna model	FPC
Antenna type	PIFA
Antenna band	GSM:900/1800/850/1900 WCDMA:B2/B4/B5 LTE:B2/B4/B5/B8/B12/B66/B71

frequency range (MHz)	617–960	1710–2170	2490–2690
VSWR	<3.5	<3.5	<3.5

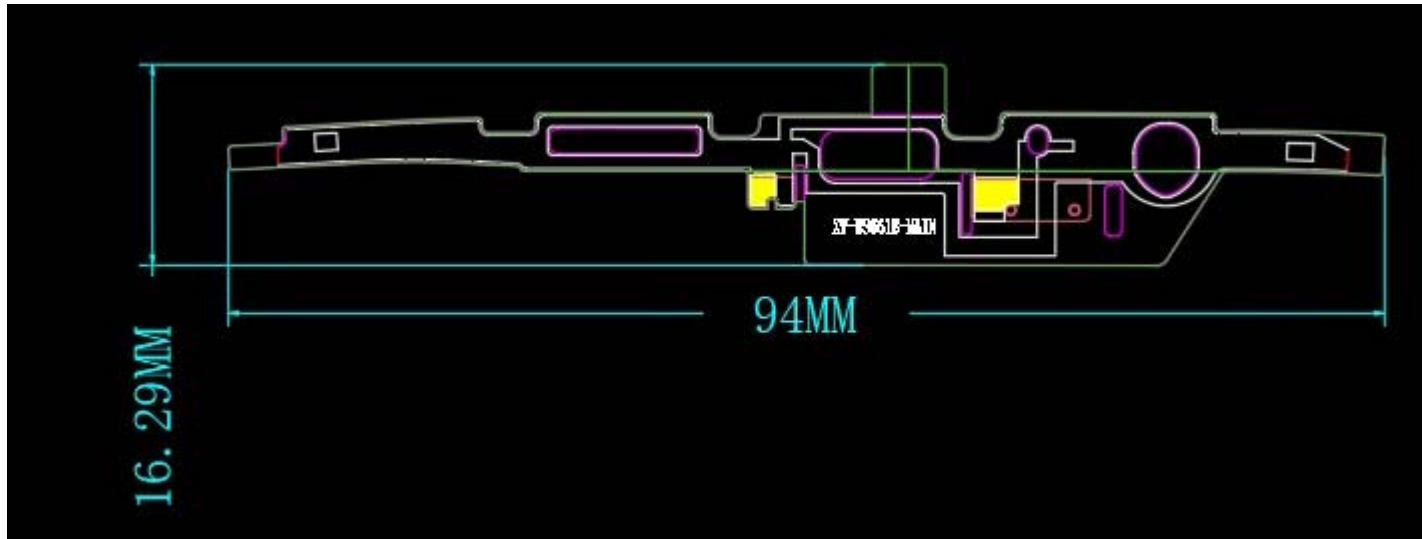
Matching circuit (No modification)



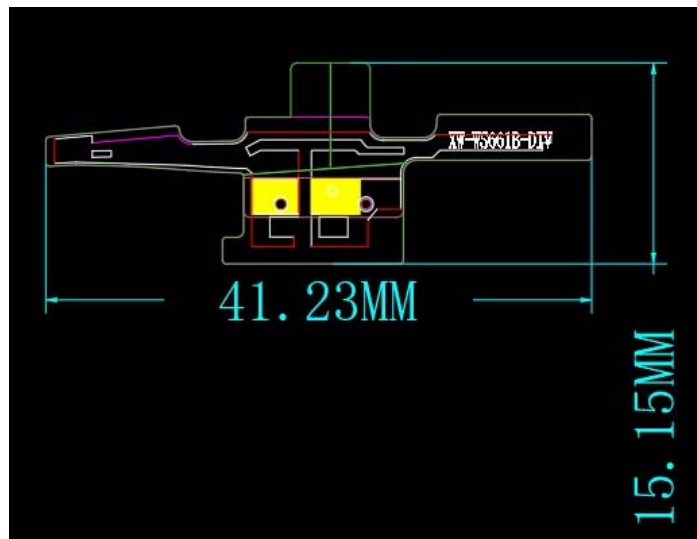
Element	Value
E1	
E2	
E3	
E4	

Antenna dimension drawing

WWAN Main ANT (XW-WS661B-MAIN)



DIV ANT (XW-WS661B-DIV)



(XW-WS661B-MAIN) (XW-WS661B-G/W/B)



LTE Antenna gain

All of Implementation antenna

Main antenna(Antenna Label:A):

LTE FDD B8/B5/B12/B71 RX&TX ,

WCDMA W5 RX&TX

GSM B5/B8 RX&TX

DIV antenna(Antenna Label:B):

LTE FDD B2/B4/B66 RX&TX

WCDMA B2/B4 RX&TX

GSM B2/B3 RX&TX

WiFi/BT 2.4G 2412MHz~2472MHz& GPS: 1570
MHz~1620 MHz ;

Antenna Max. Peak Gain:

EGSM900:-1.32dBi

GSM850: -1.21dBi

DCS1800: -0.71dBi

PCS1900: -0.67dBi

WCDMA-B2: -0.72dBi

WCDMA-B4: -0.81dBi

WCDMA-B5: -1.21dBi

LTE-B2: -0.72dBi

LTE-B4: -0.81dBi

LTE-B5: -1.21dBi

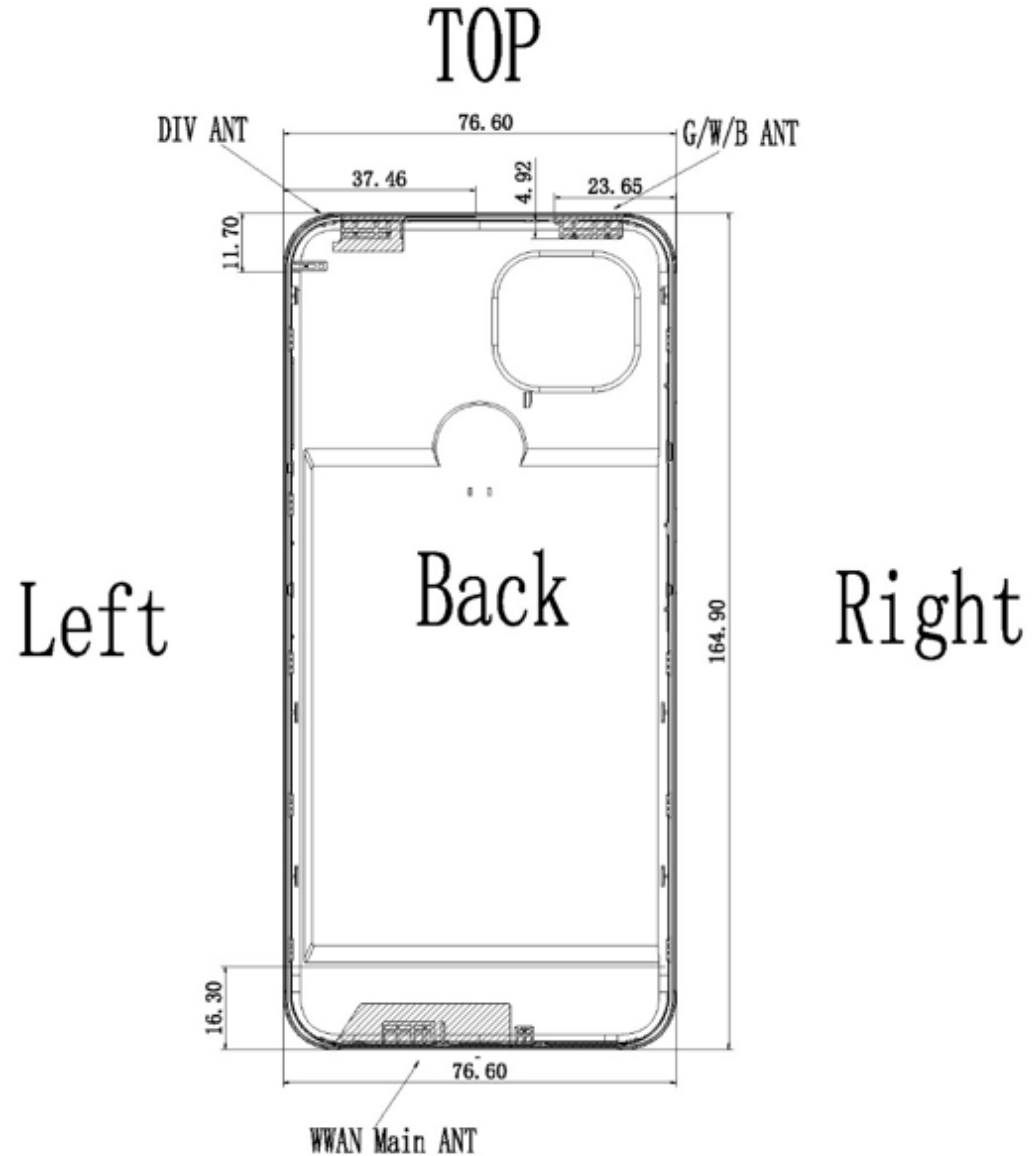
LTE-B8: -1.32dBi

LTE-B12: -1.21dBi

LTE-B66: -0.97dBi

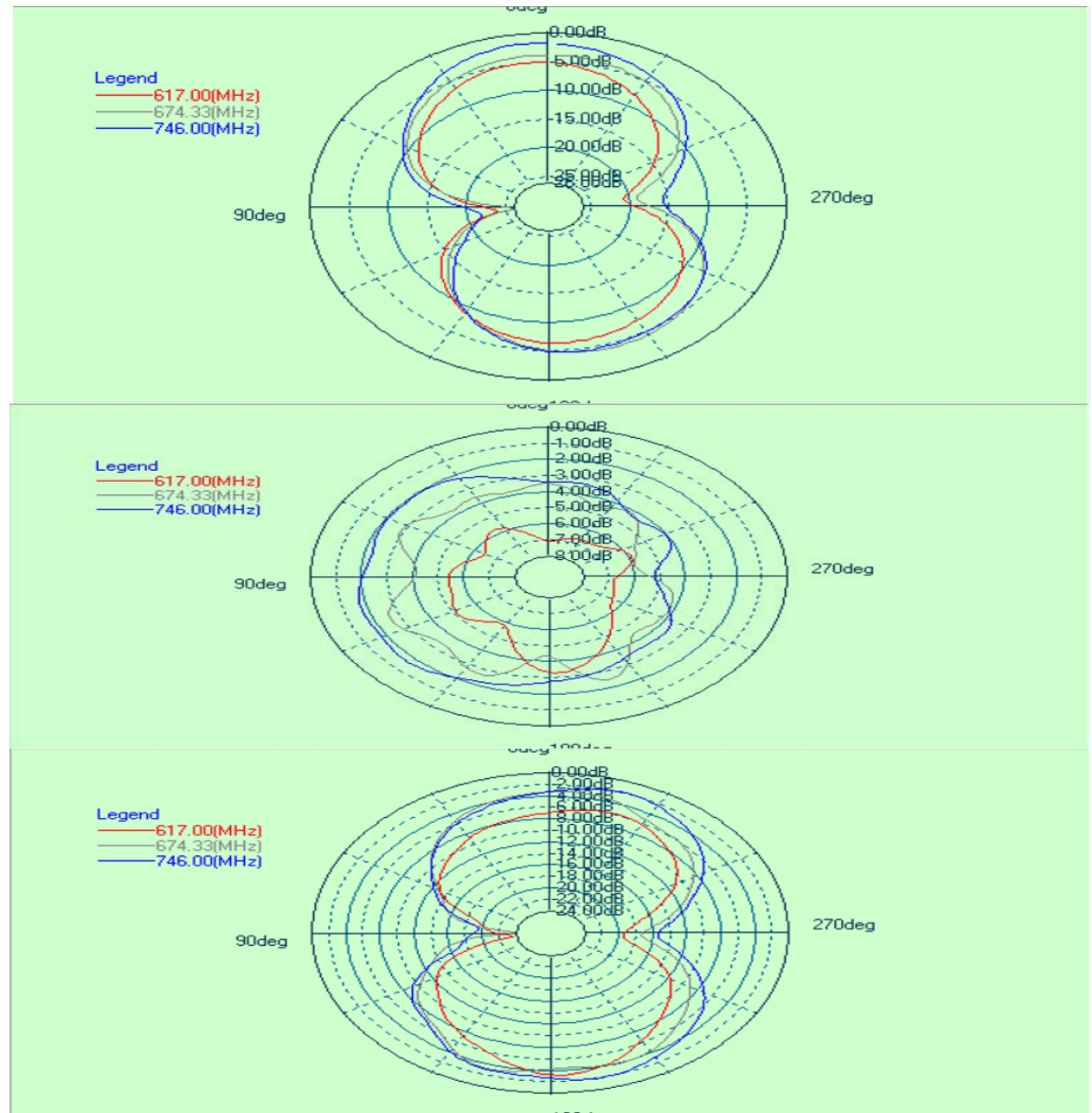
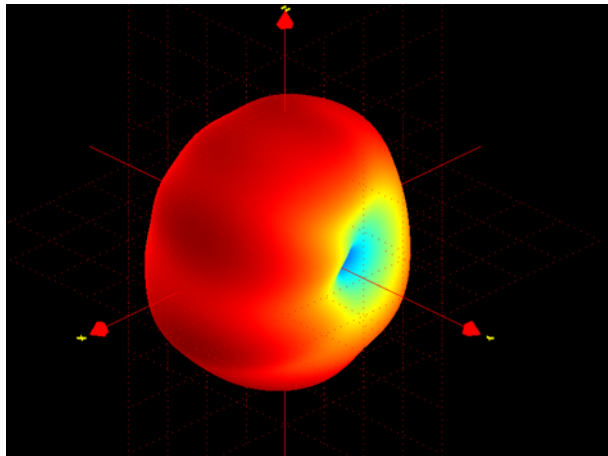
LTE-B71: -1.34dBi

WIFI/BT: -0.33dBi

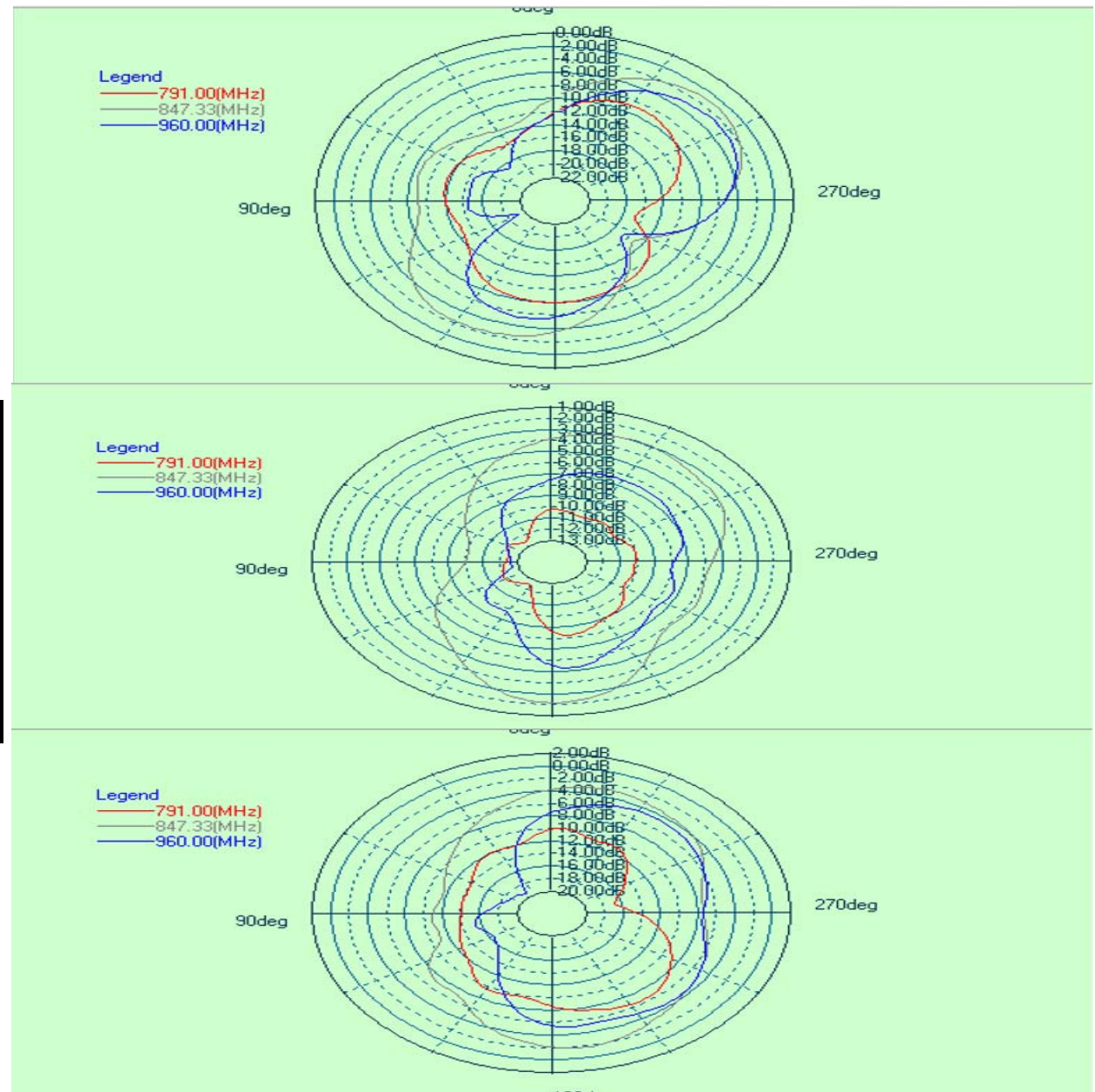
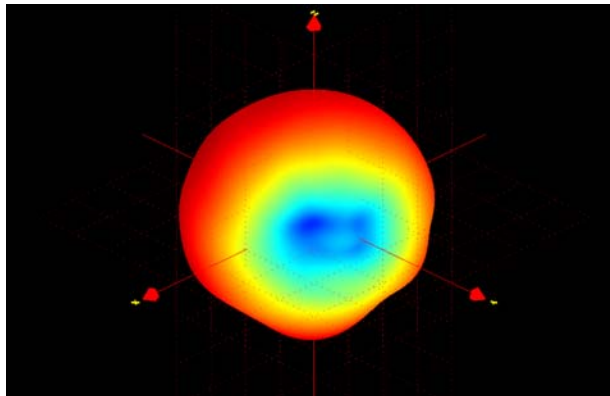


WWAN Main ANT:GB5/B8 LB8/B5/B12/B71 WB5 Tx/Rx
DIV ANT:GB2/B3 LB2/B4/B66 WB2/B4 RX&TX

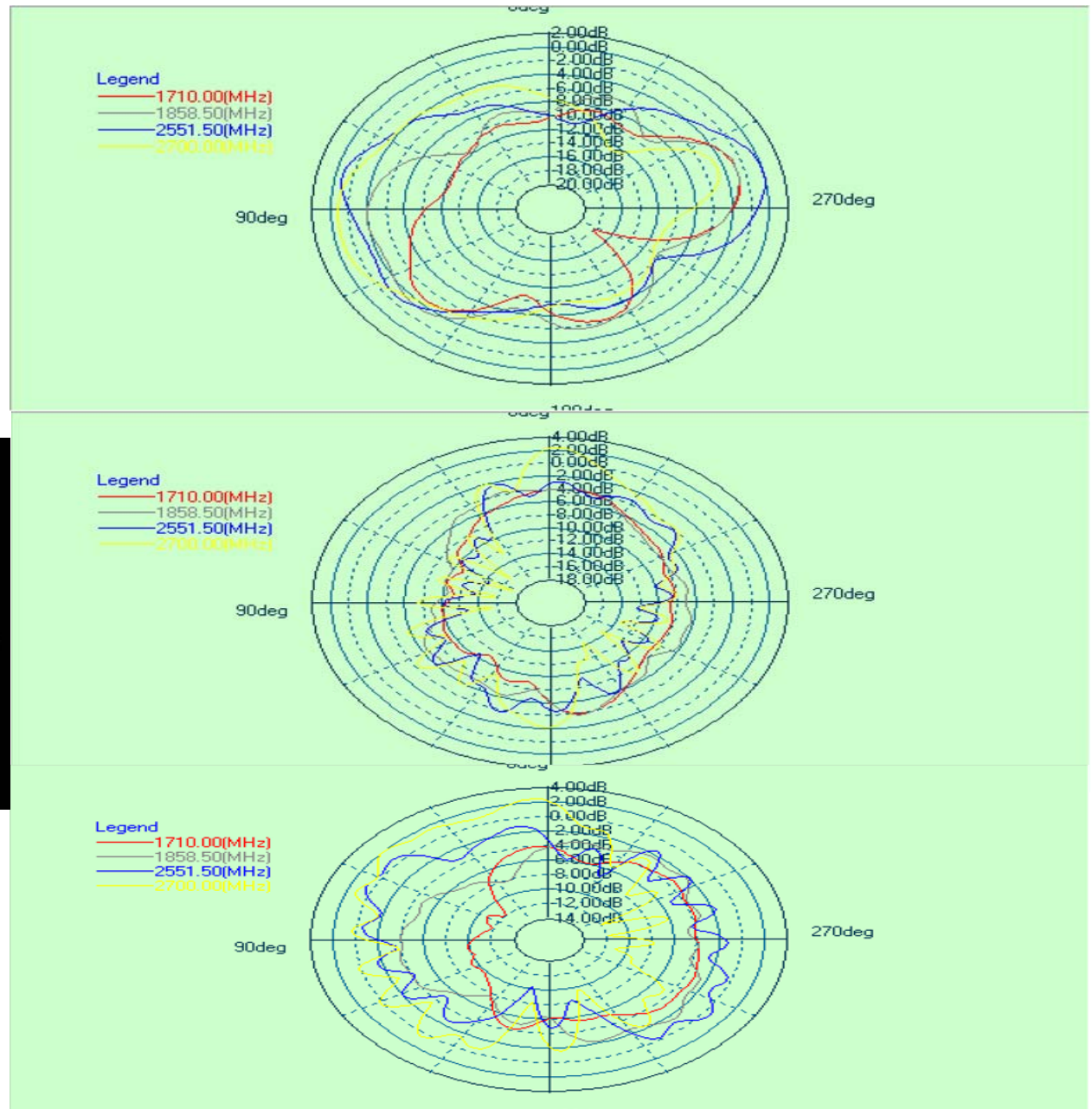
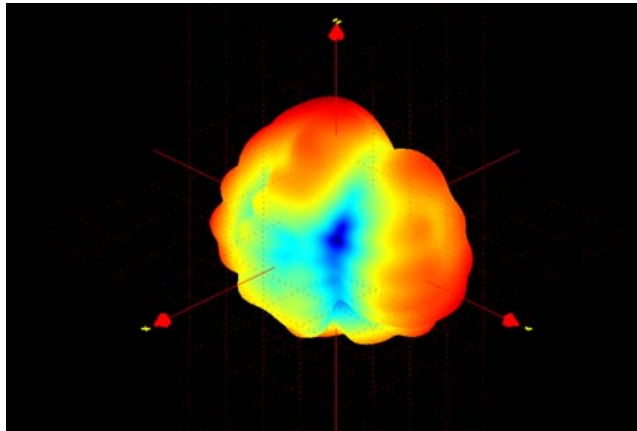
2.3 Main antenna Peak Gain(617~746M)



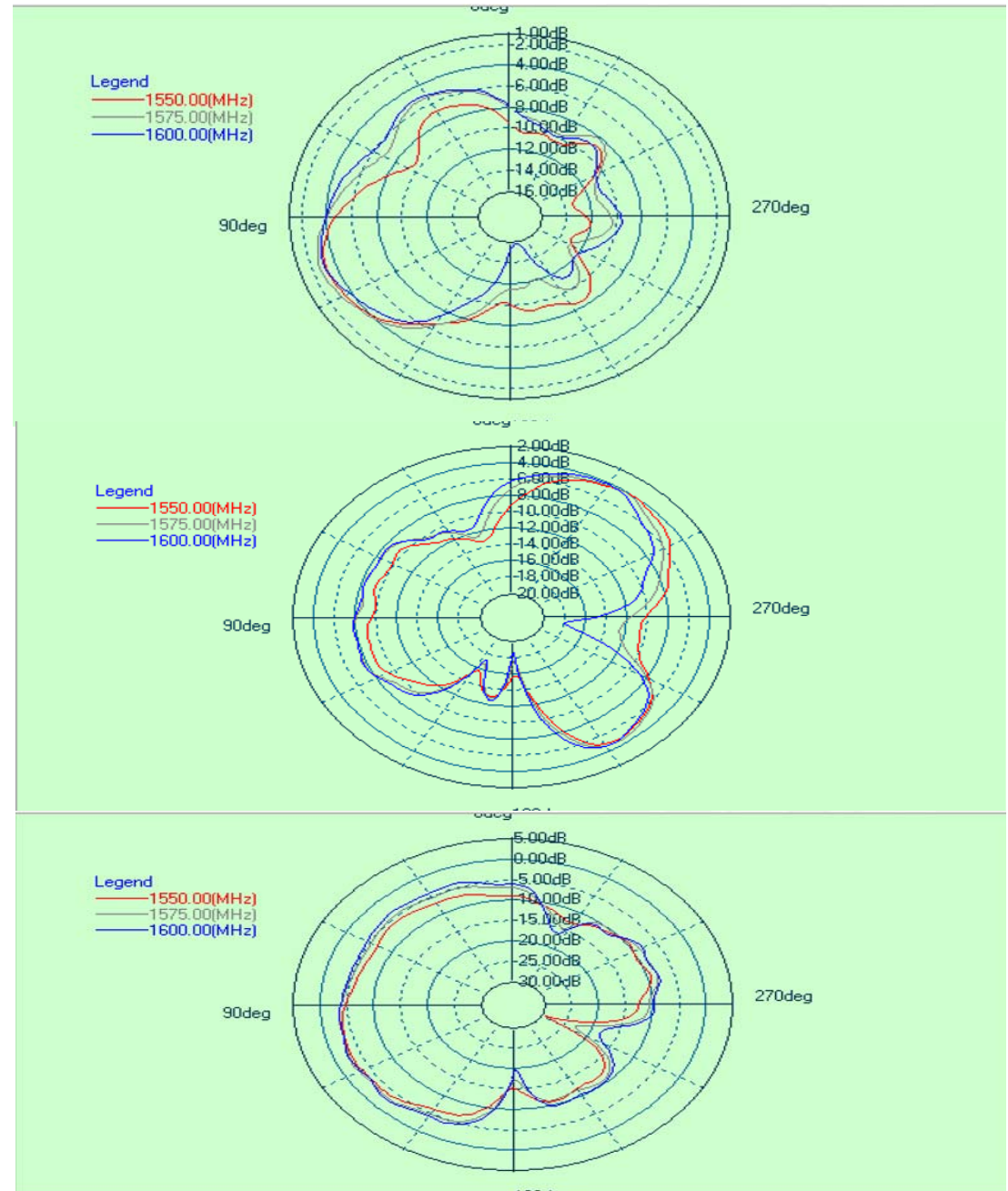
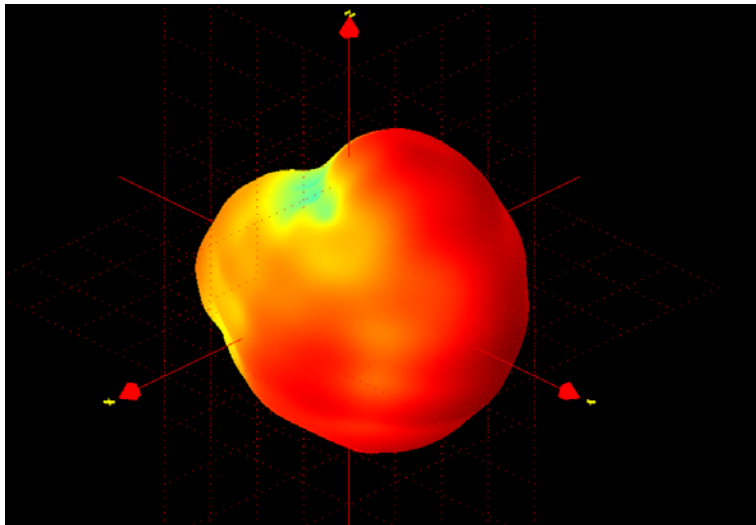
2.3 Main antenna Peak Gain(791~960M)



2.3 DIV antenna Peak Gain(1710~2700M)



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



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

