



Antenna SPEC

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Test equipment

Wireless communications test set: CMW500

Network Analyzer: Agilent 5071B

Anechoic Chamber : SATIMO SG24

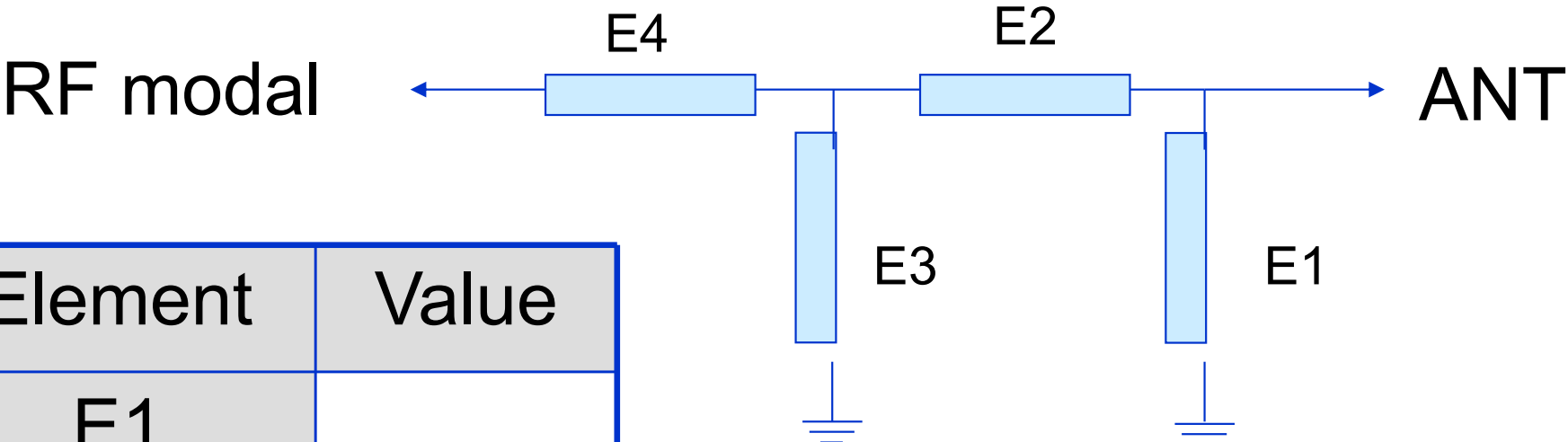


Antenna information

Customer	Boat of wealth		
Antenna model	XW-WS663-MAIN XW-WS663A-GWB XW-WS663A-DIV		
Antenna type	PIFA		
Antenna band	GSM:900/1800/850/1900 WCDMA:B1/B2/B4/B5/B8 LTE:B1/B2/B3/B4/B5/B7/B12/B17/B28/ B66/B71		

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	

LTE Antenna gain

All of Implementation antenna

Main antenna(Antenna Label:A):

LTE B5/B12/B17/B28/B71 RX&TX

LTE B1/B2/B3/B7 RX

WCDMA B5/B8 RX&TX

WCDMA B1/B2 RX

GSM B5/B8 RX&TX

DIV antenna(Antenna Label:B):

LTE B1/B2/B3/B4/B7/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: -2.20dBi

GSM850: -1.81dBi

DCS1800: -0.75dBi

PCS1900: -0.45dBi

W1: -0.24dBi

W2: -0.45dBi

W4: -0.75dBi

W5: -1.81dBi

W8: -2.20dBi

LTE-B1: -0.24dBi

LTE-B2: -0.45dBi

LTE-B3: -0.75dBi

LTE-B4: -0.76dBi

LTE-B5: -1.81dBi

LTE-B7: -0.21dBi

LTE-B12: -1.86dBi

LTE-B17: -1.78dBi

LTE-B28: -1.71dBi

LTE-B66: -0.76dBi

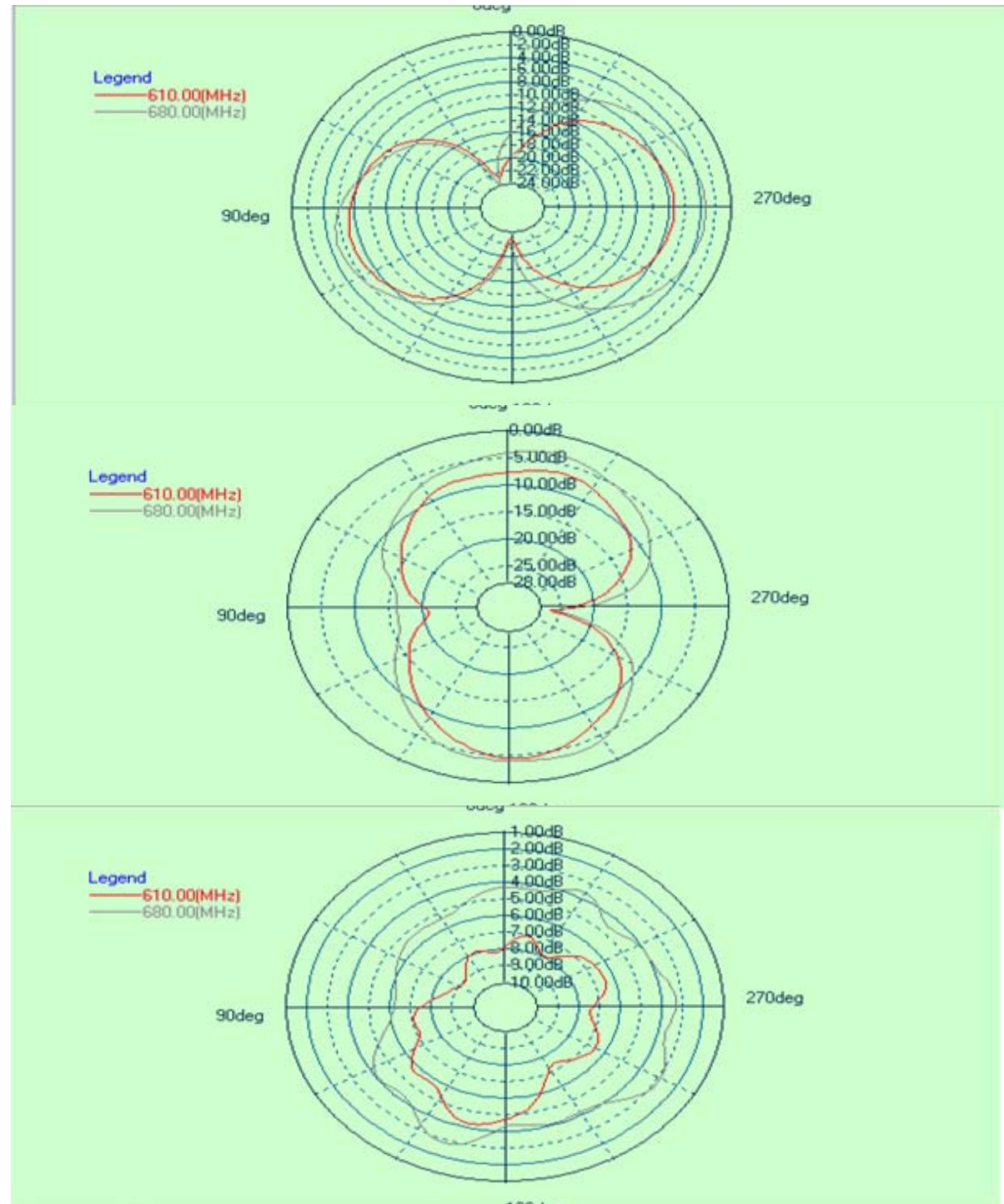
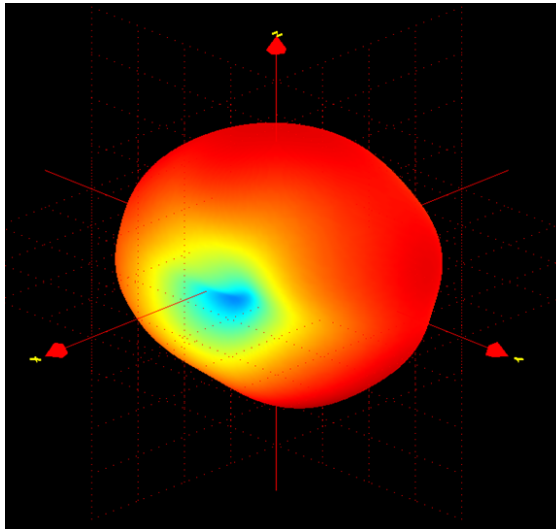
LTE-B71: -2.31dBi

WIFI (2.4G): -0.32dBi

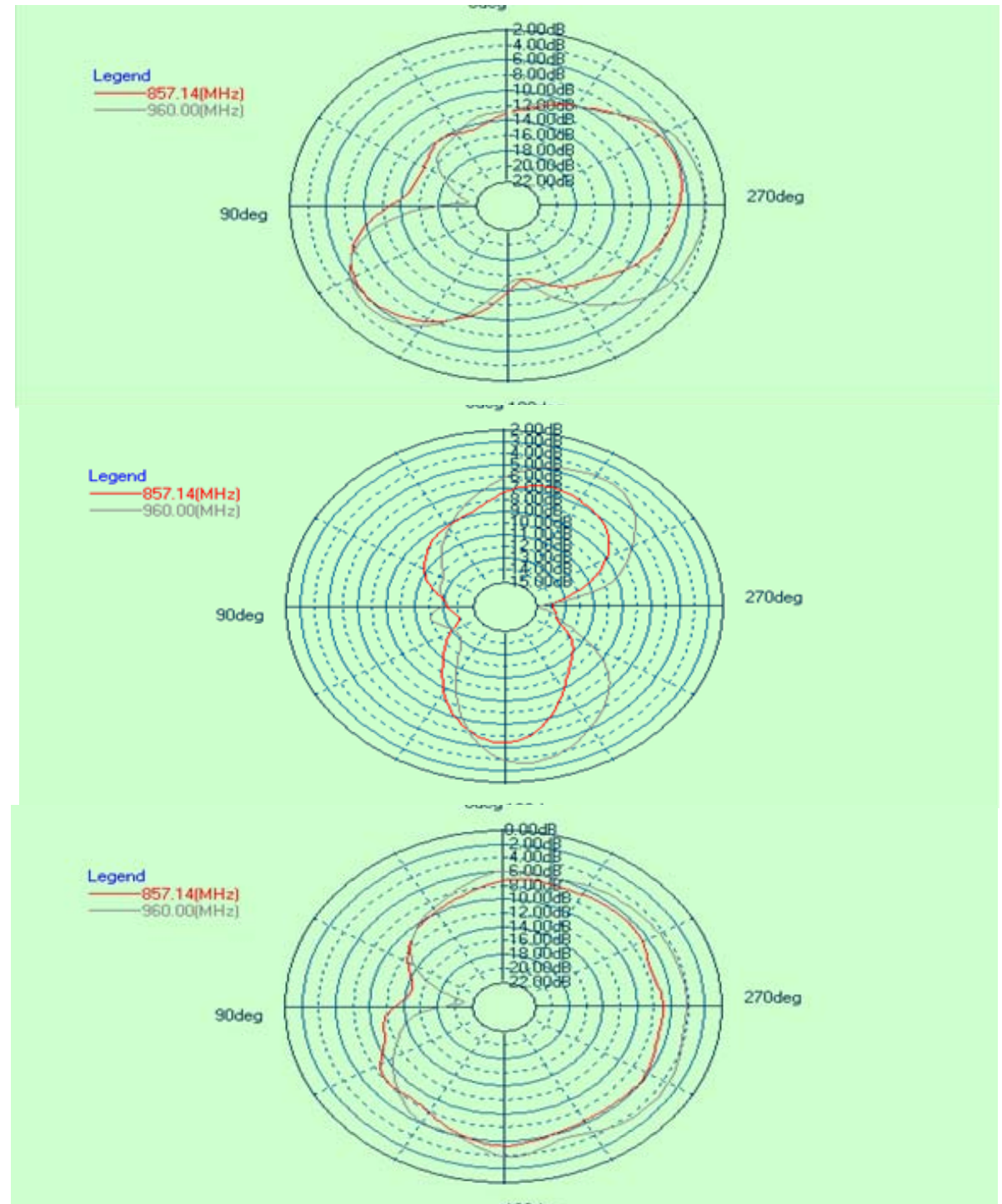
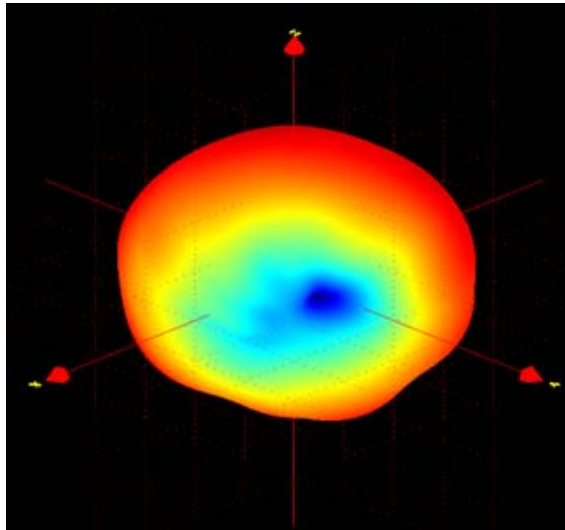
BT: -0.32dBi

GPS: -0.59dBi

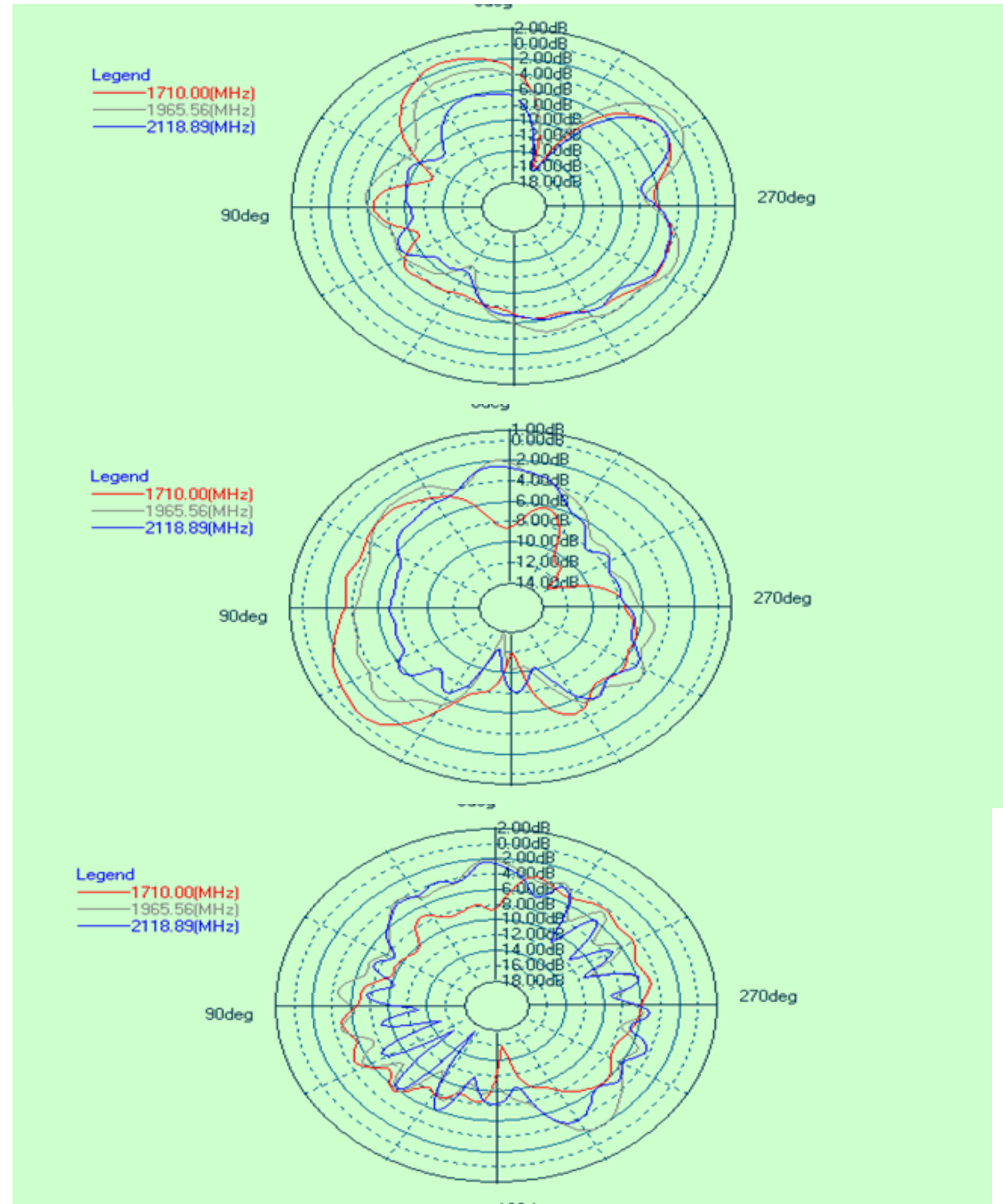
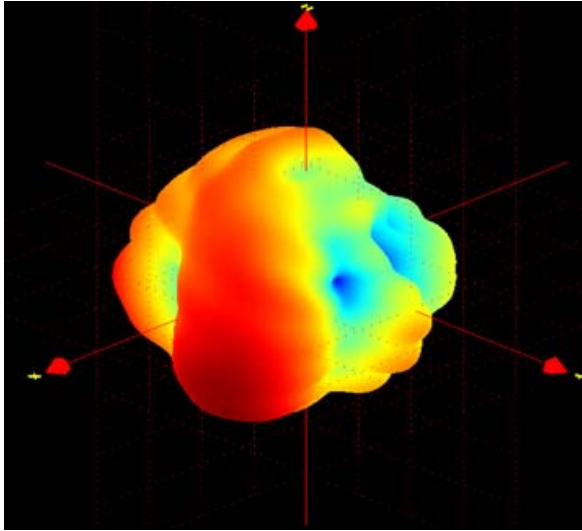
2.3 Main antenna Peak Gain(603~683M)



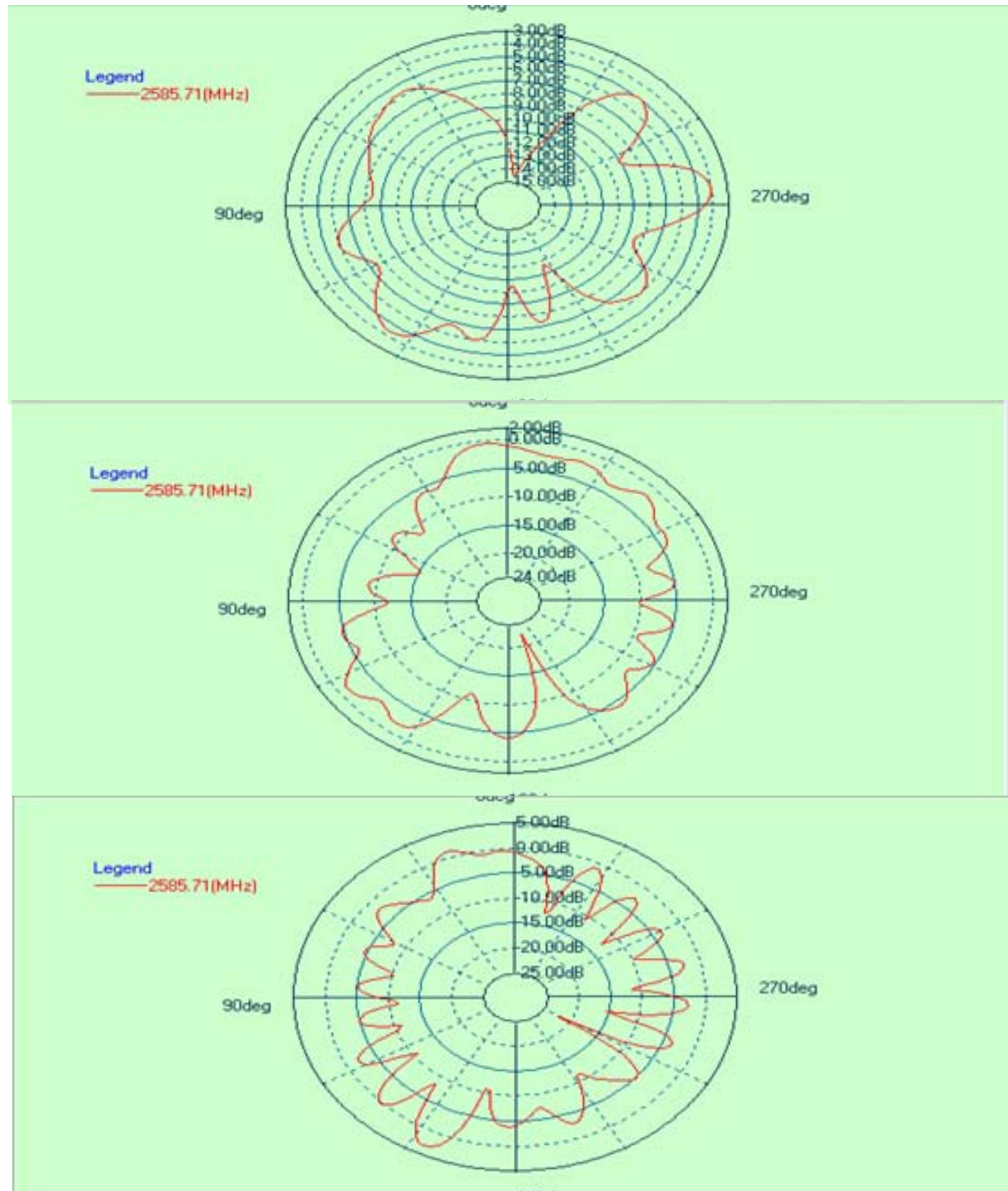
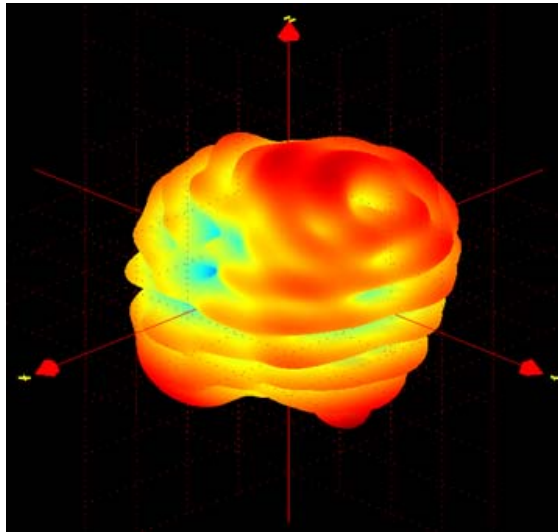
2.3 Main antenna Peak Gain(791~960M)



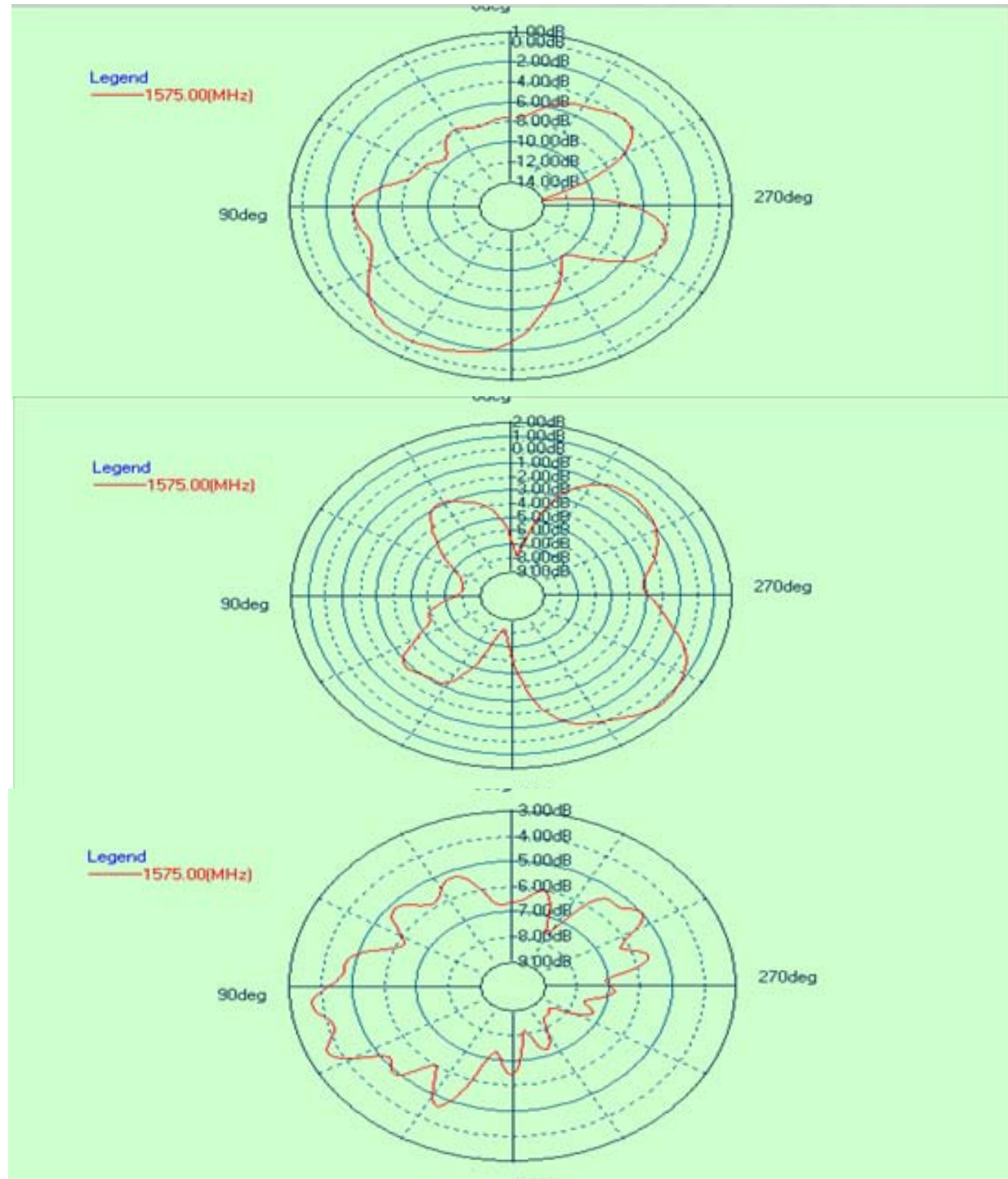
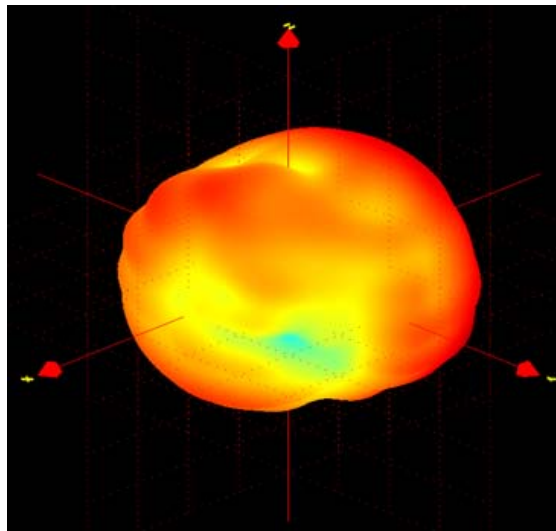
2.3 DIV antenna Peak Gain(1710~2170M)



2.3 Main antenna Peak Gain(2490~2690M)



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



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

