



Antenna Test Report

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Test equipment

Wireless communications test set: CMW500

Network Analyzer: Agilent 5071B

Anechoic Chamber : SATIMO SG24

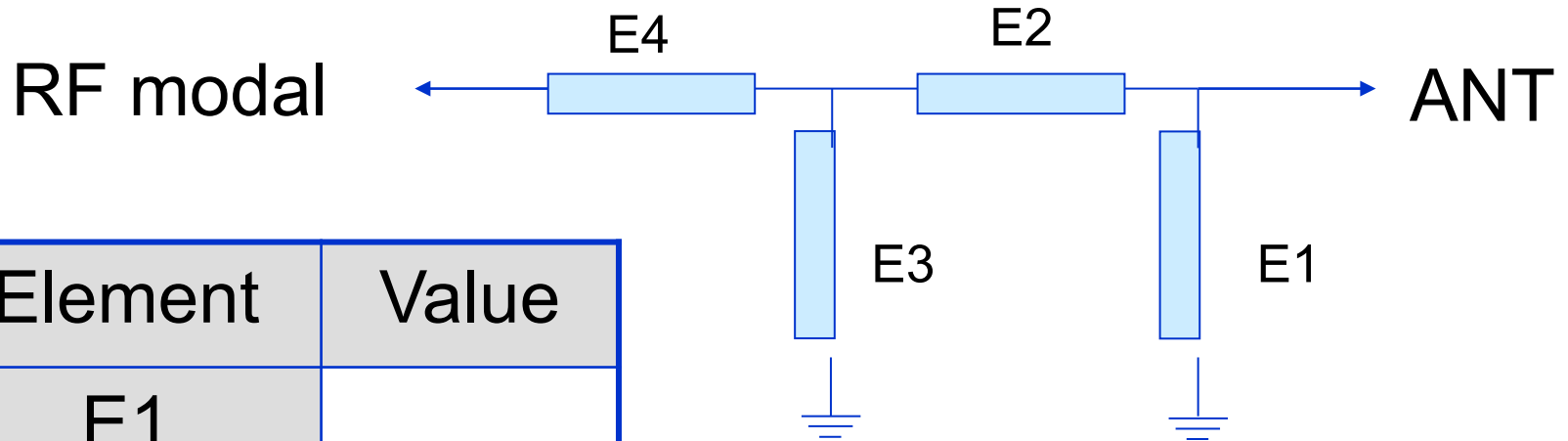


Antenna information

Customer	Boat of wealth
Antenna model	FPC
Antenna type	PIFA
Antenna band	GSM900/1800/850/1900 WCDMA-B1/B2/B4/B5B8 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)



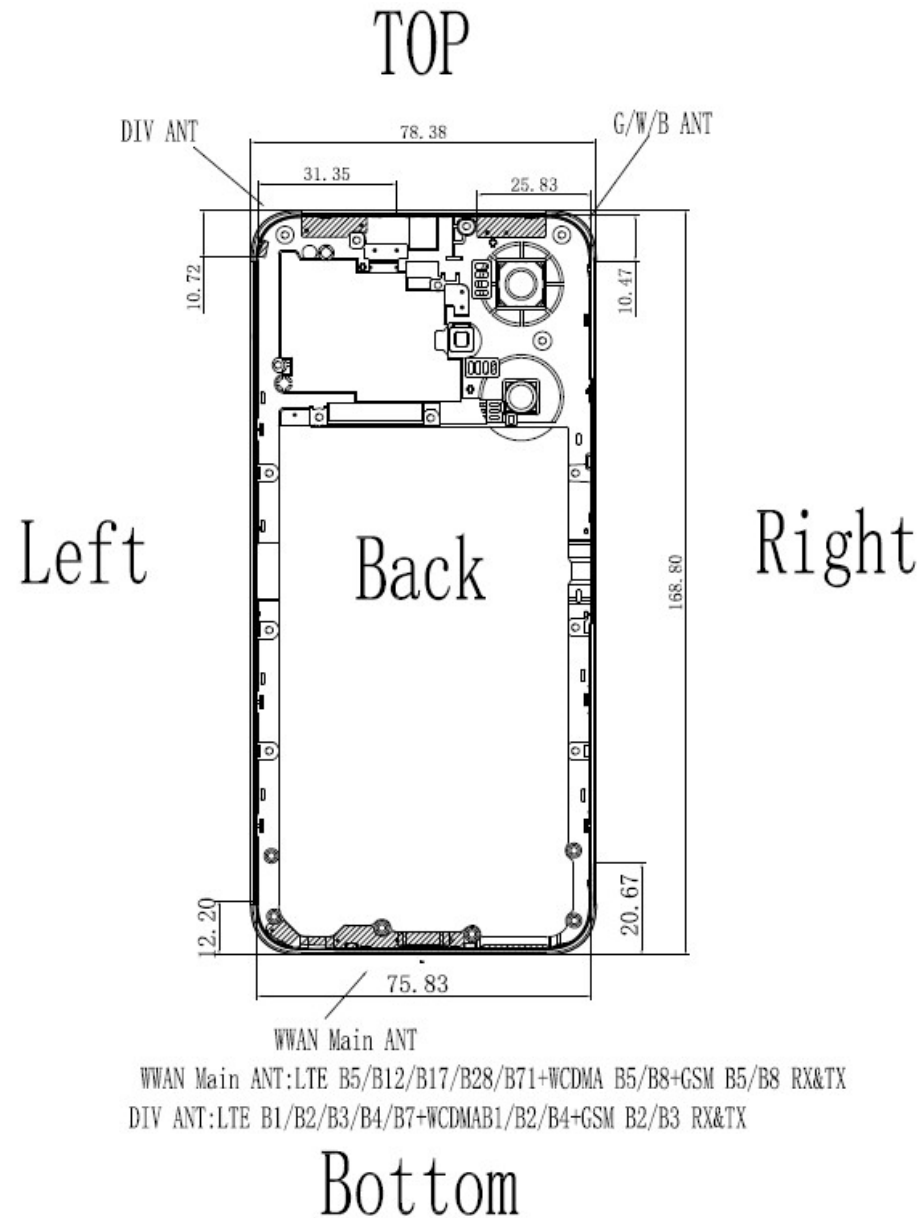
Element	Value
E1	
E2	
E3	
E4	

LTE Antenna gain

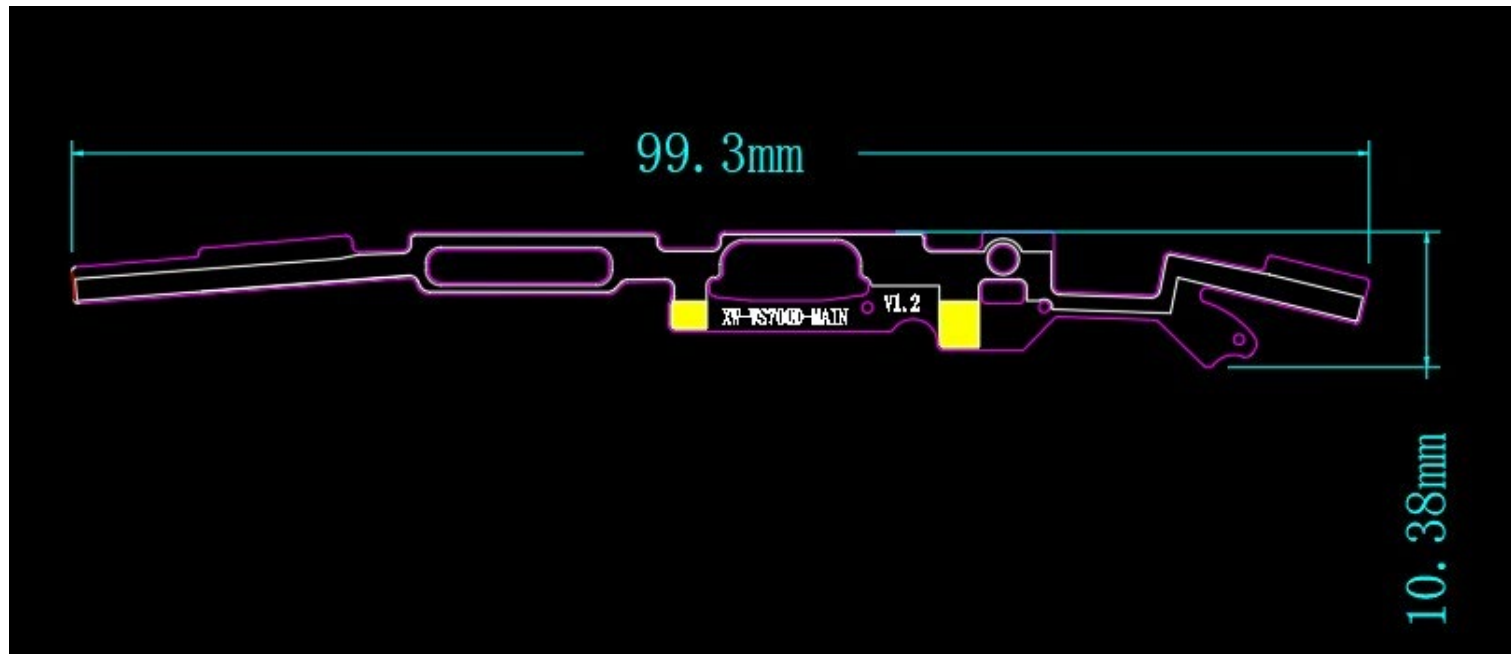
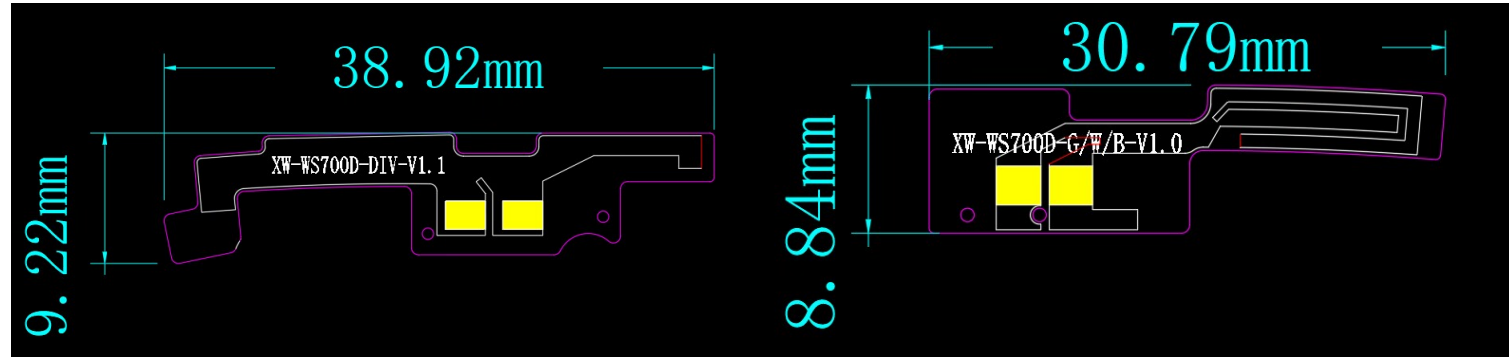
All of Implementation antenna
Main antenna(Antenna Label:A):
LTE B5/B12/B17/B28/B71 RX&TX
LTE B1/B2/B3/B4/B7/B66 RX
WCDMA B5/B8 RX&TX
GSM B5/B8 RX&TX
DIV antenna(Antenna Label:B):
LTE B1/B2/B3/B4/B7 RX&TX
WCDMA B1/B2/B4 RX&TX
GSM B2/B3 RX&TX
WiFi/BT GSM B2/B3 RX&TX
WiFi/BT 2.4~2.5G/5.1~5.8G/2412MHz~2472MHz&/5100MHz~5800MHz
GPS: 1575.42 MHz

Antenna Max. Peak Gain:	LTE-B1: -0.72dBi
GSM900: -1.89dBi	LTE-B2: -0.67dBi
GSM850: -1.71dBi	LTE-B3: -0.64dBi
DCS1800: -0.64dBi	LTE-B4: -0.65dBi
PCS1900: -0.67dBi	LTE-B5: -1.71dBi
W1: -0.72dBi	LTE-B7: -0.96dBi
W2:-0.67dBi	LTE-B12: -2.14dBi
W4:-0.64dBi	LTE-B17: -2.12dBi
W5:-1.71dBi	LTE-B28: -2.09dBi
W8: -1.89dBi	LTE-B66: -0.65dBi
	LTE-B71: -1.97dBi
	WIFI(2.4G): -0.73dBi
	WIFI(5G) (5180-5850MHz) : -1.64dBi
	BT: -0.74dBi
	GPS: -0.59dBi

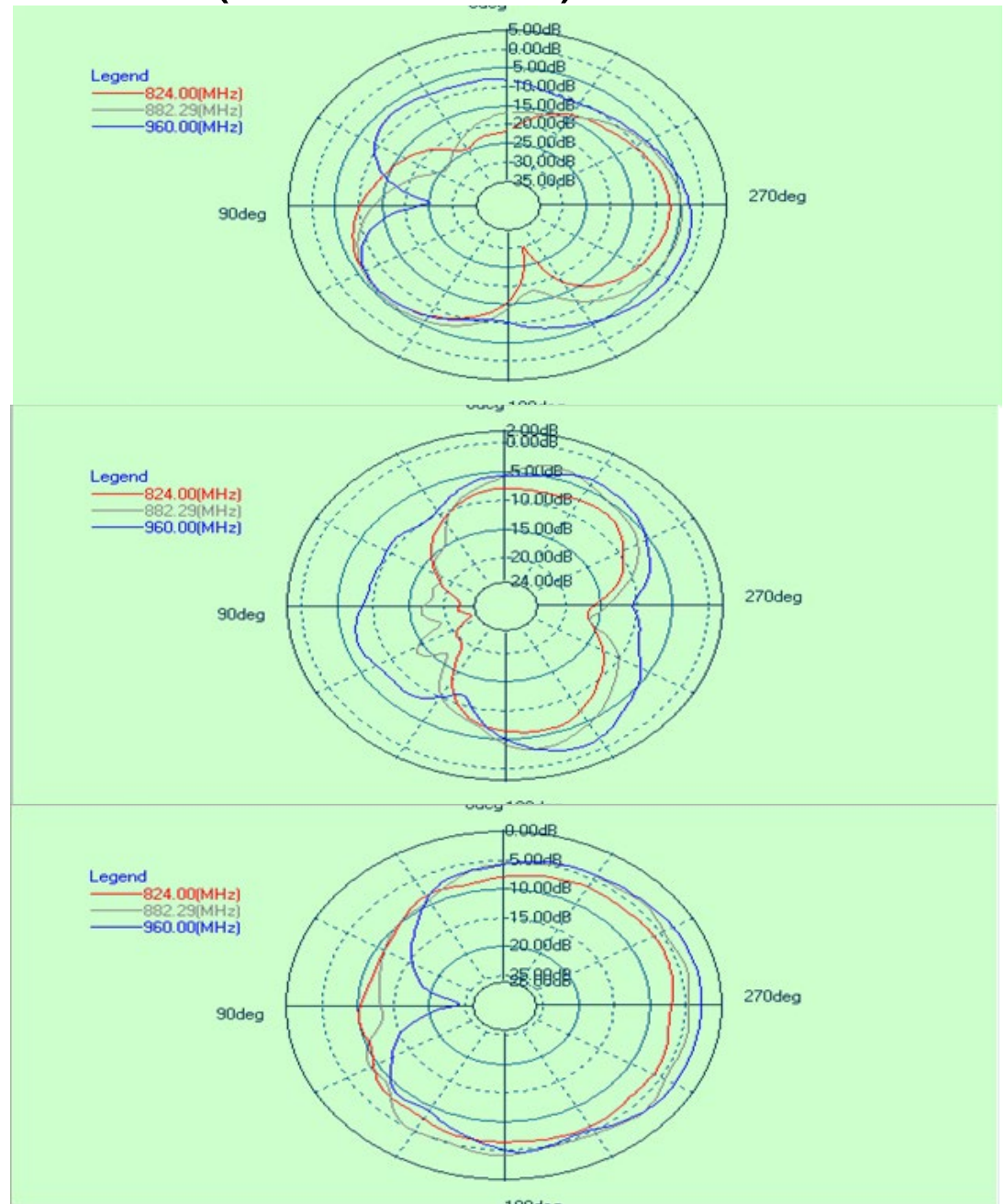
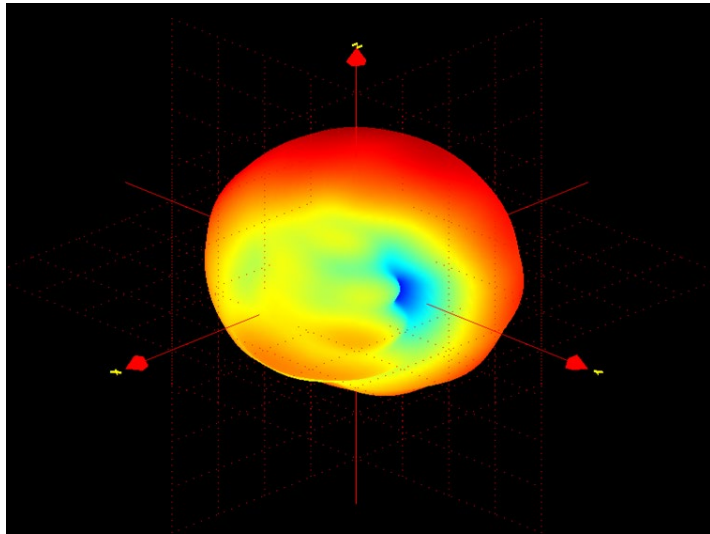
Antenna dimension drawing



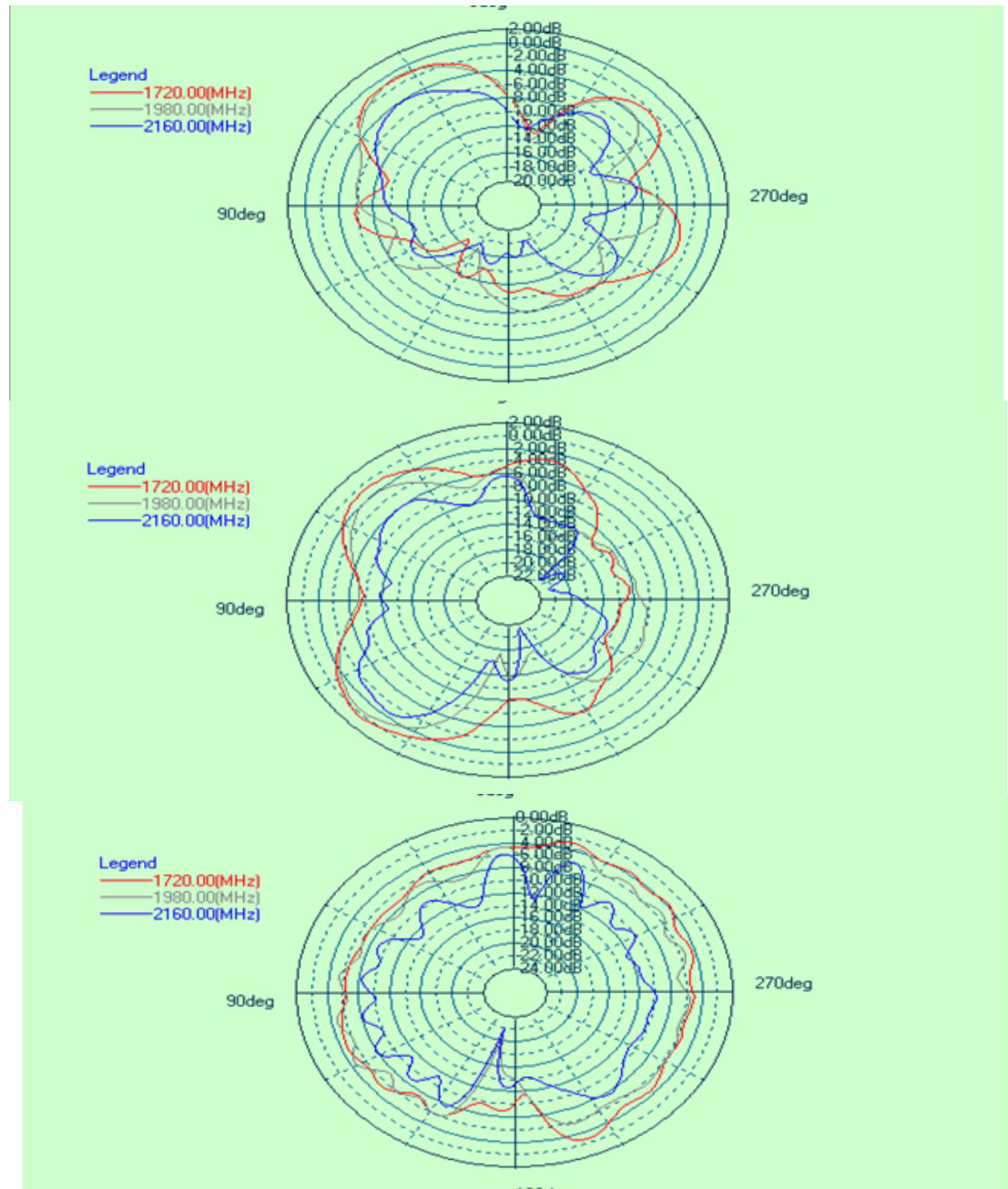
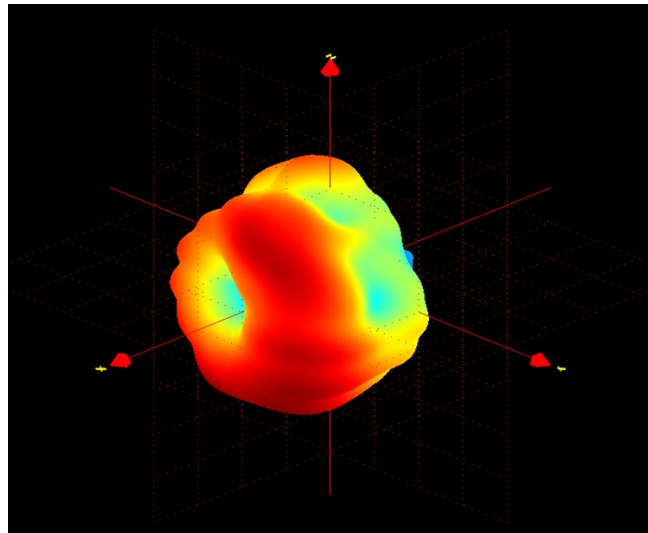
Antenna dimension drawing



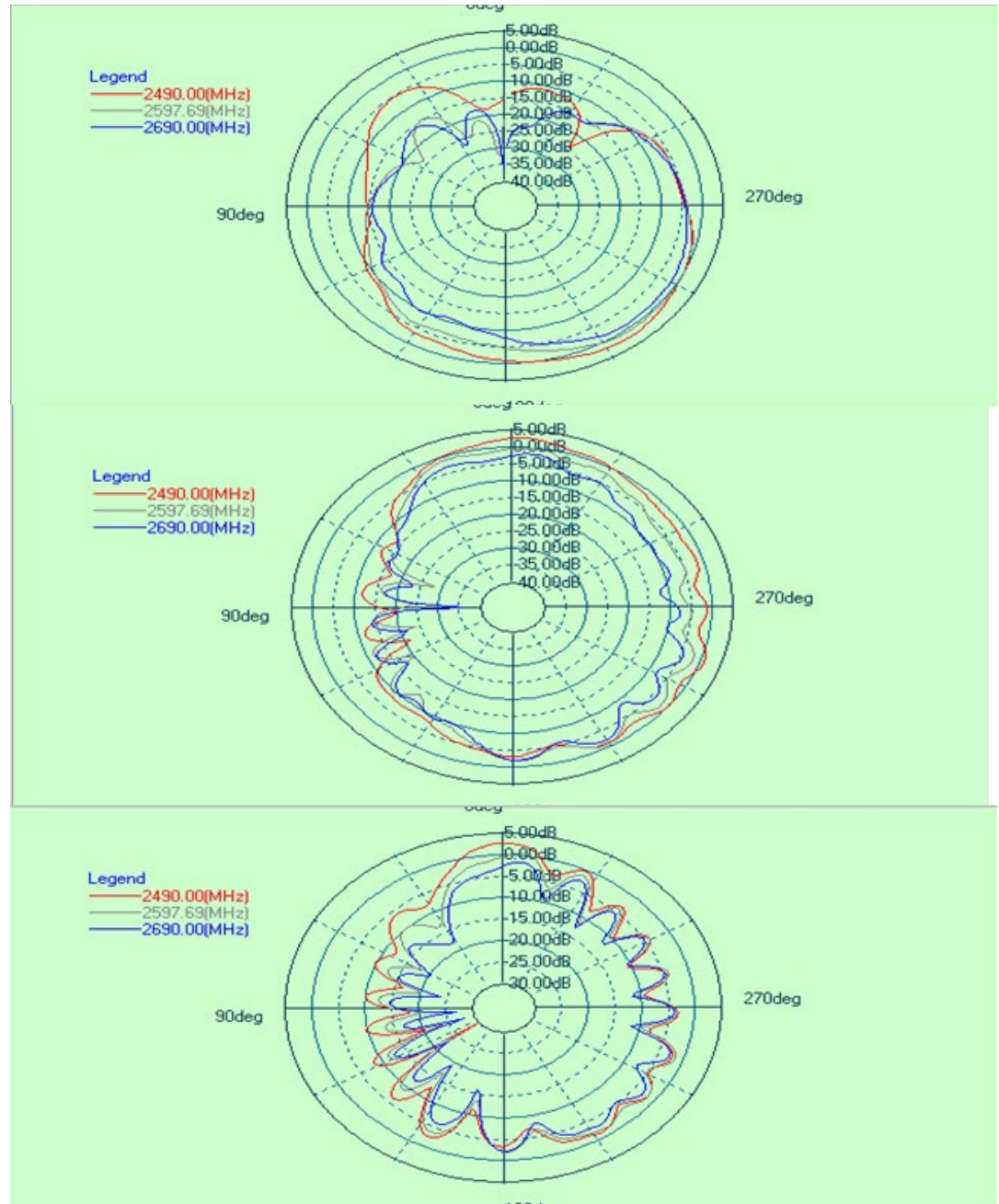
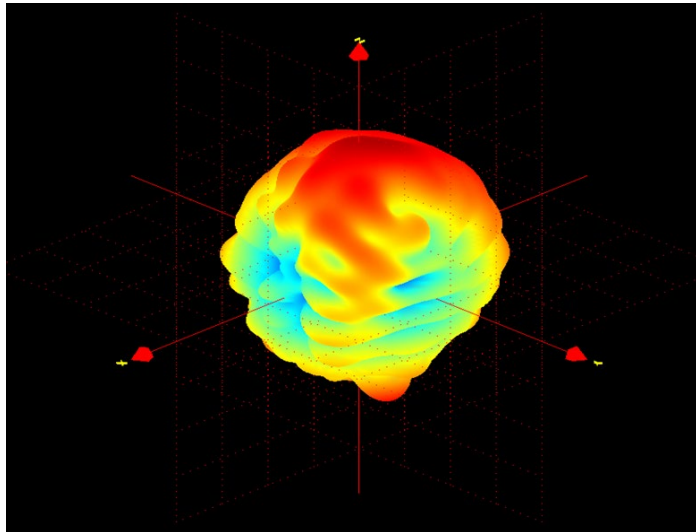
1 Main antenna Peak Gain(824~960M)



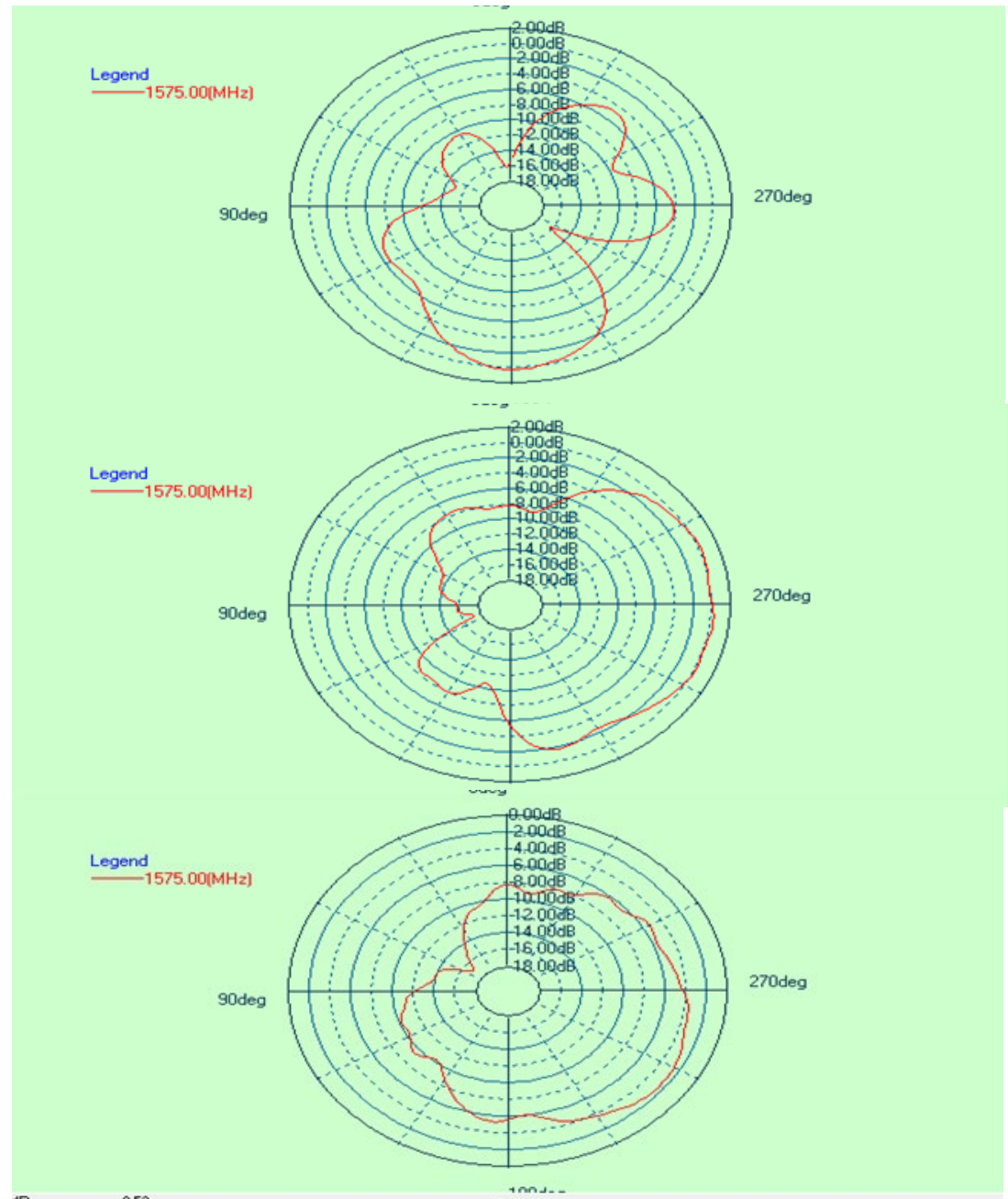
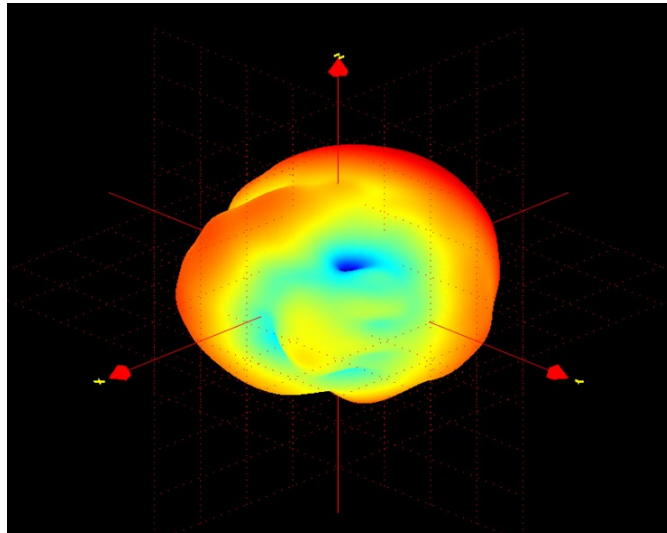
2 DIV antenna Peak Gain(1710~2170M)



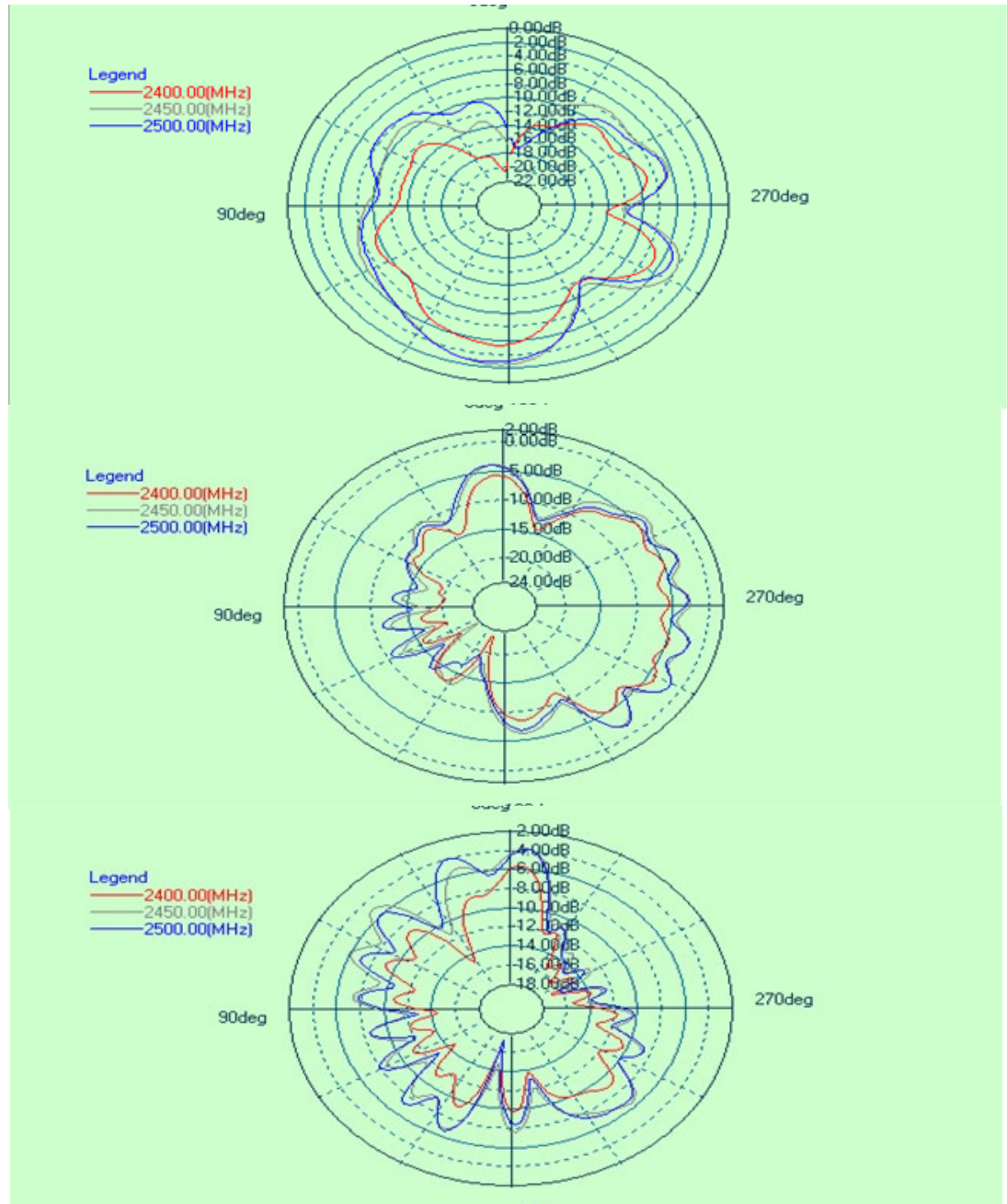
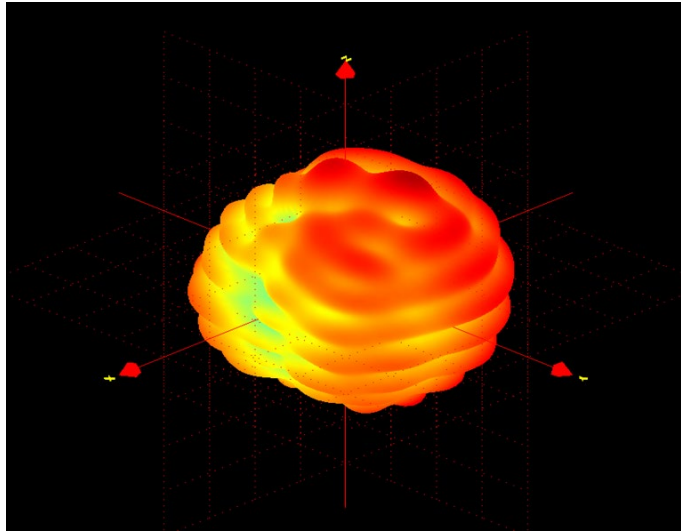
3 DIV antenna Peak Gain (2490~2690M)



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



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



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

