

ShenZhen QiXinTongDa Technology Co.,Ltd.

Antenna Test Report

Project Name: KC240

GSM: B2/B3/B5/B8

WCDMA: B2/B4/B5/B8

FDD:B2/B3/B4/B5/B8/B12/B17/B28AB/B66

DATE: 2024-06-27

ADDRESS: Room503-505,Building211,

Tairan IndustrialandTradePark,Chegongmiao,FutianDistrict,Shenzhen

1. Test Project

	Test Project	Equipment
1. S Parameter	1. Return Loss (RL) 2. VSWR	Network Analyzer: Agilent 5071B
2. RF Test (2/3/4G)	1. power 2. level 3. TRP/TIS	Comprehensive Test: SP9500/CMW500/8960 Test Environment: Anechoic Chamber

2. Test Equipment



Agilent 5071B (S Parameter (RL/VSWR) Test Equipment)



Agilent 8960 (2G/3G Test Equipment)

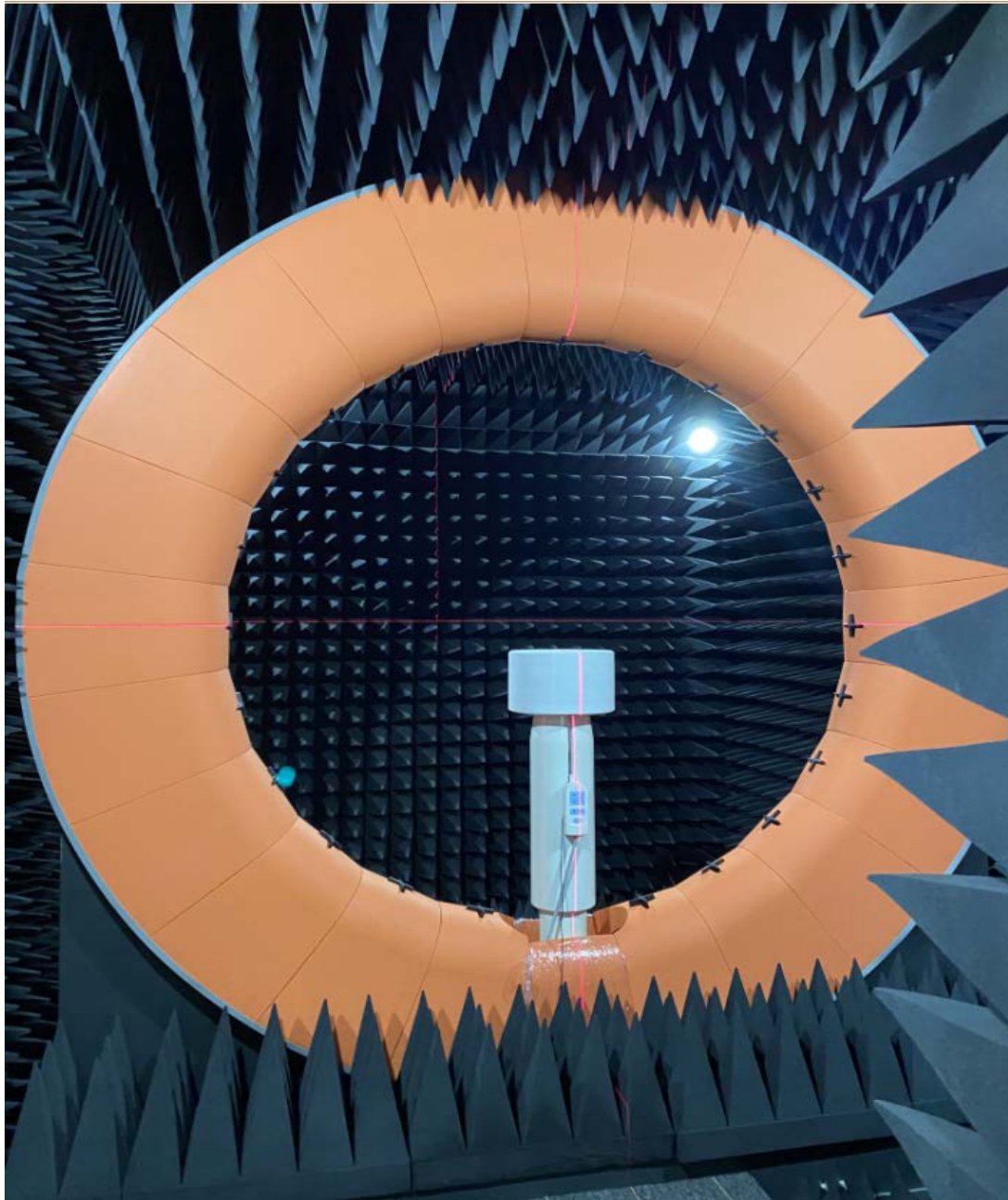


CMW 500 (2G/3G/4GTest Equipment)



SP9500 (5GTest Equipment)

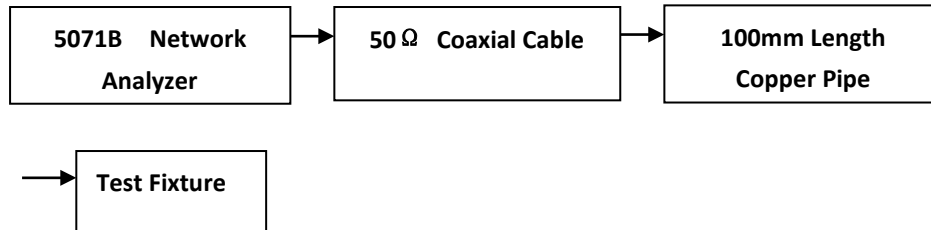
3. TestEnvironment



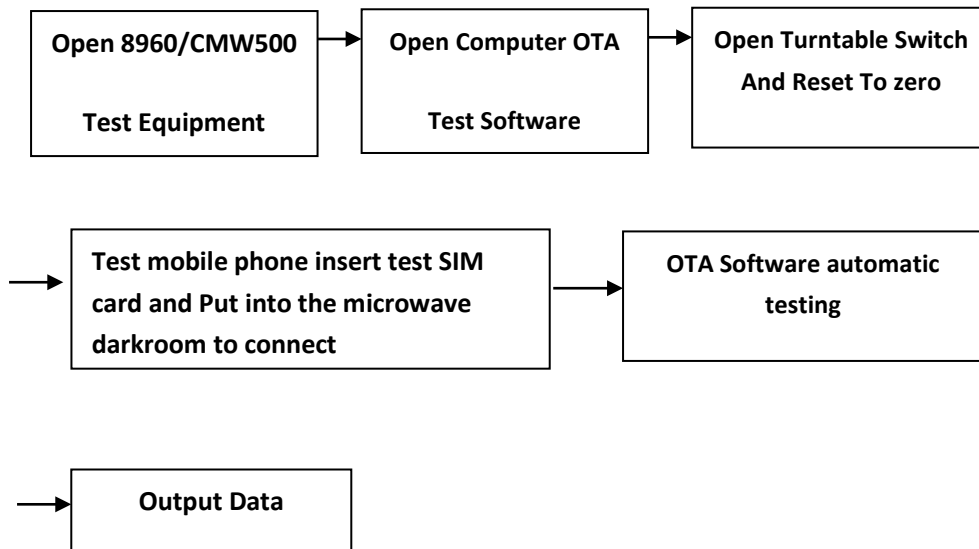
Microwave Anechoic Chamber

4.Test Steps

Passive VSWR/RL Test Steps:



Active TRP/TIS Test Steps:

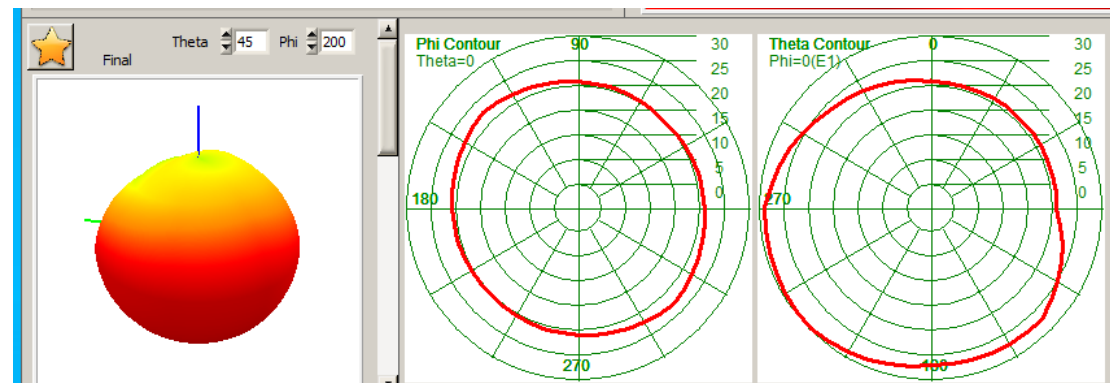


5. Antenna Gain

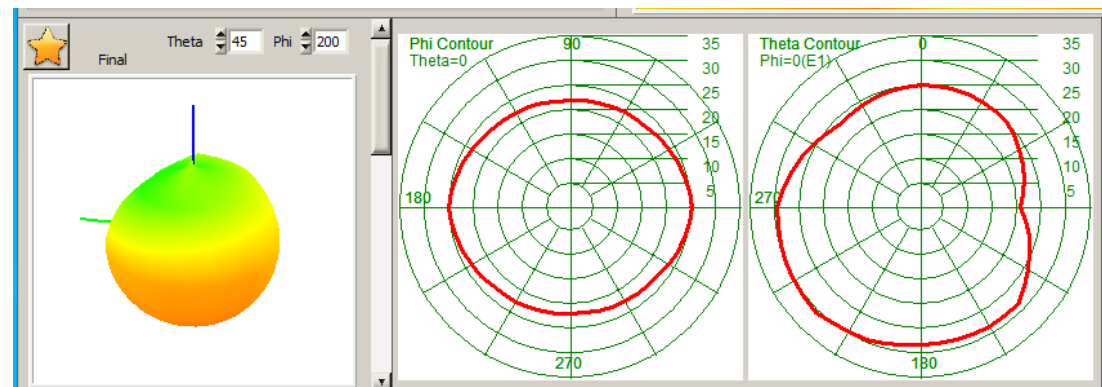
Band	Max Gain	Band	Max Gain
GSM850	0.11	LTE-B2	0.25
GSM900	0.14	LTE-B3	0.17
DCS1800	0.17	LTE-B4	0.21
PCS1900	0.25	LTE-B5	-0.32
WCDMA2	0.25	LTE-B8	0.11
WCDMA4	0.21	LTE-B12	-0.22
WCDMA5	0.11	LTE-B17	-0.41
WCDMA8	0.14	LTE-B28A	-0.39
		LTE-B28B	-0.40
Bluetooth	0.11	LTE-B66	0.21

6.3D Lobe Diagram

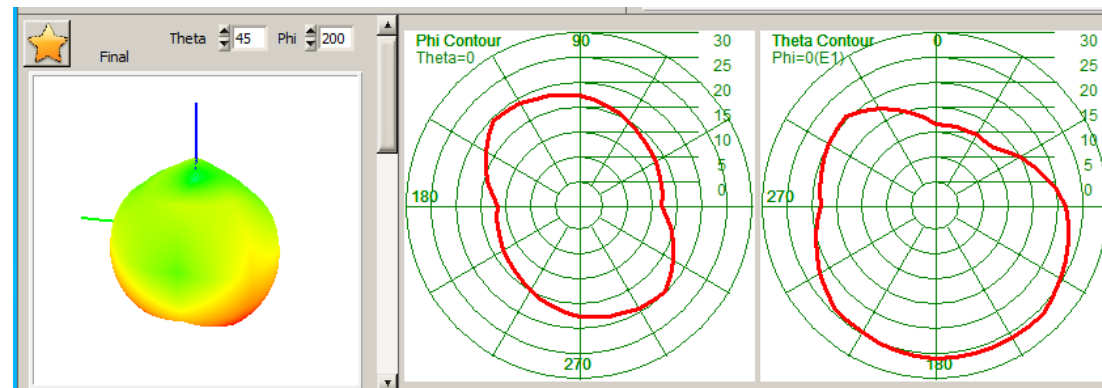
GSM850



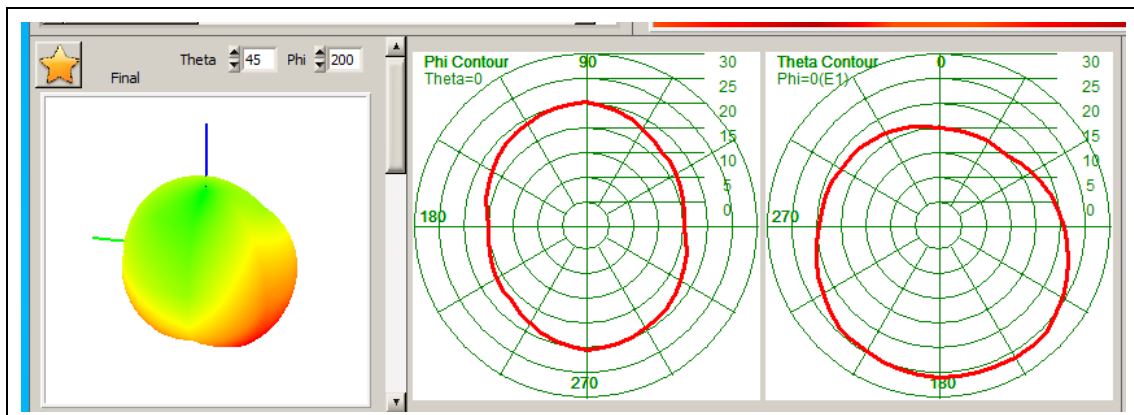
GSM900



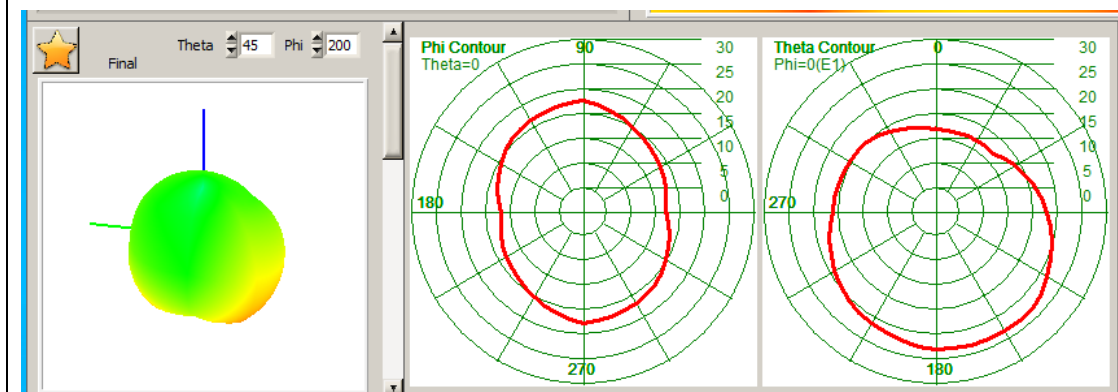
DSC1800



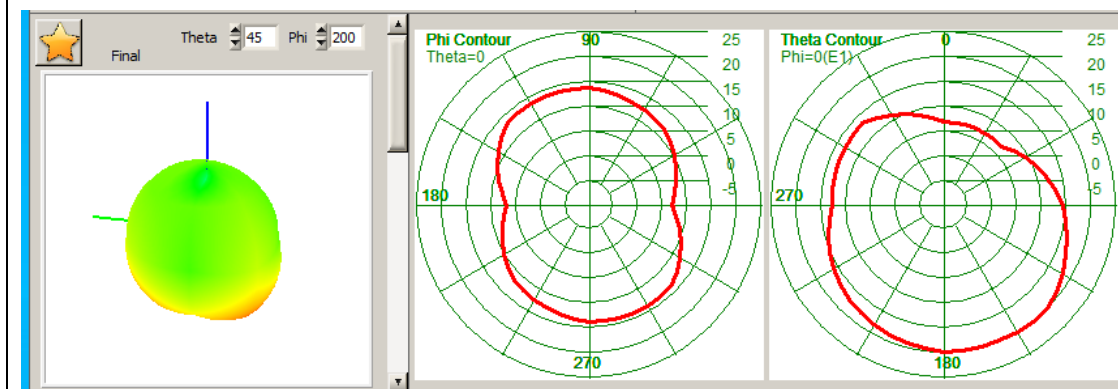
PCS1900



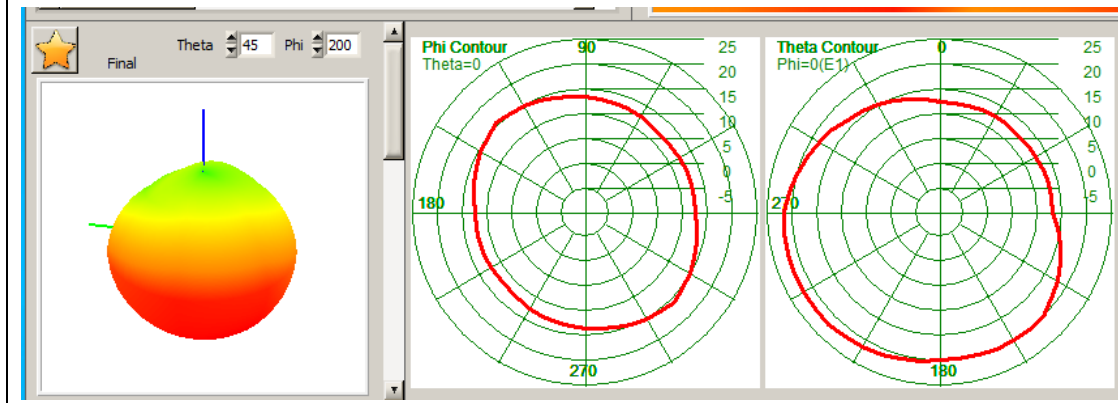
W2



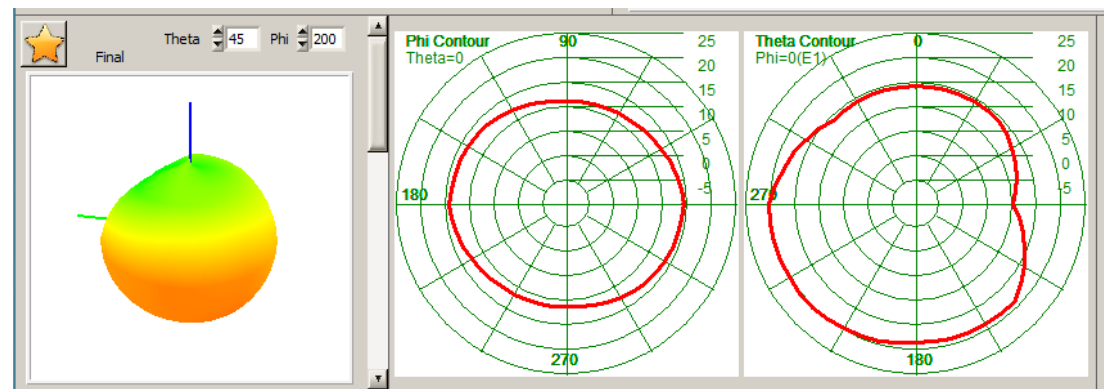
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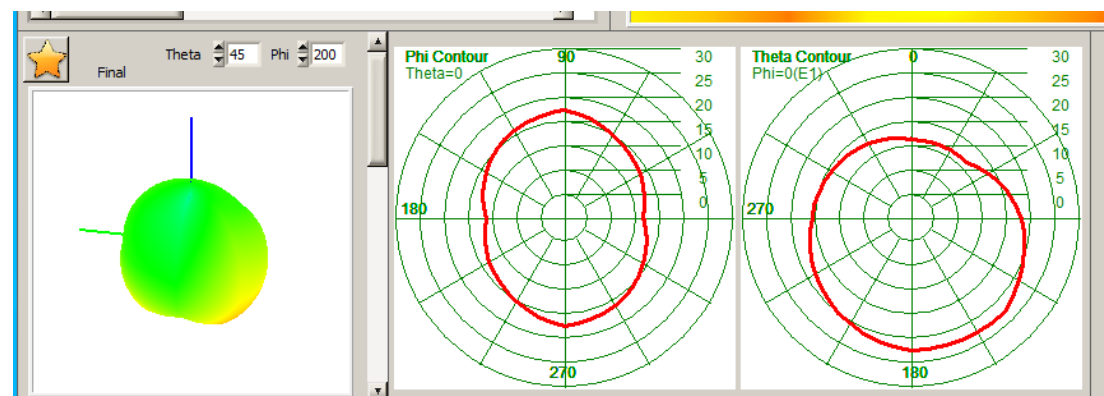
W5



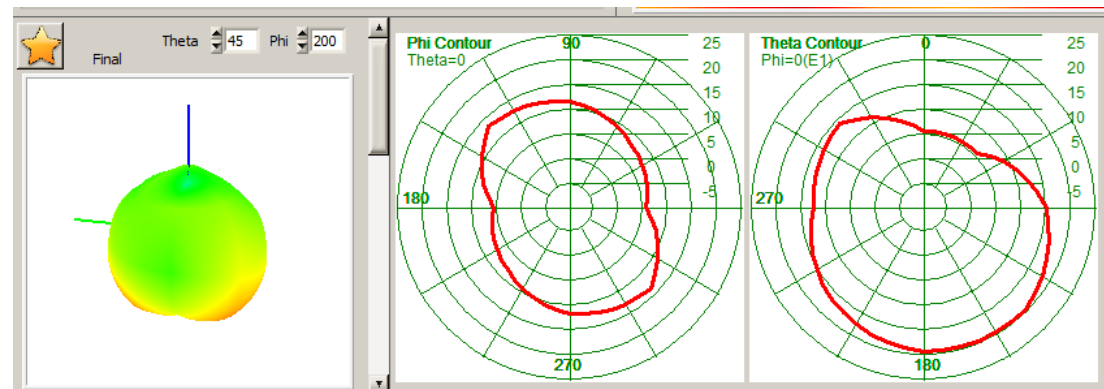
W8



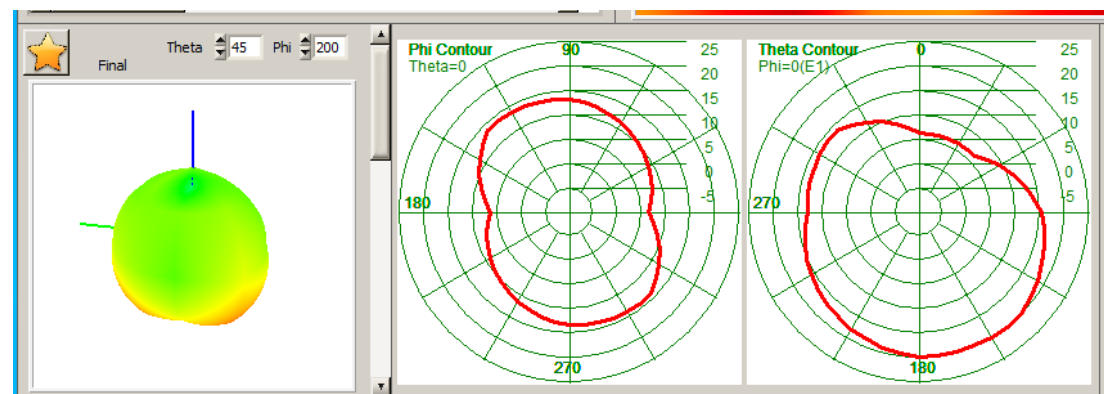
FDD-B2



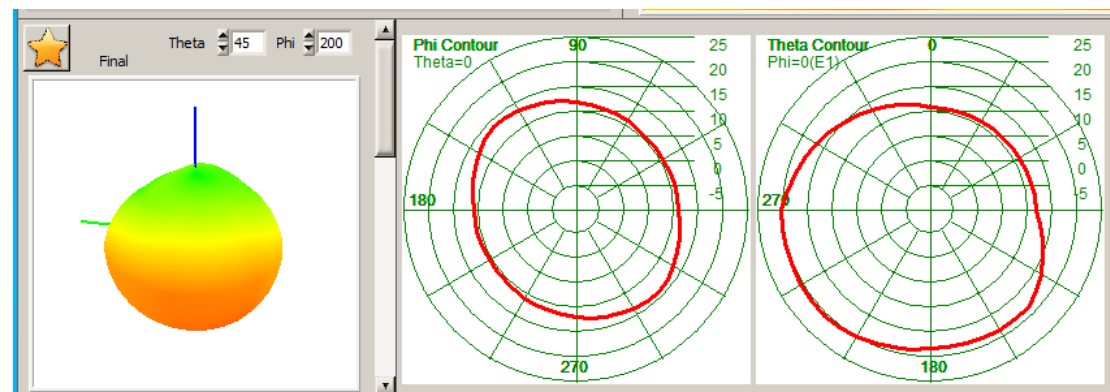
FDD-B3



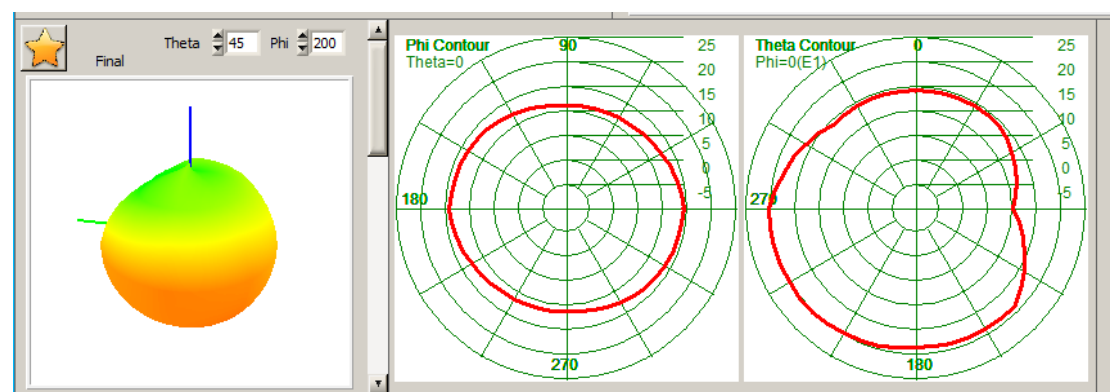
FDD-B4



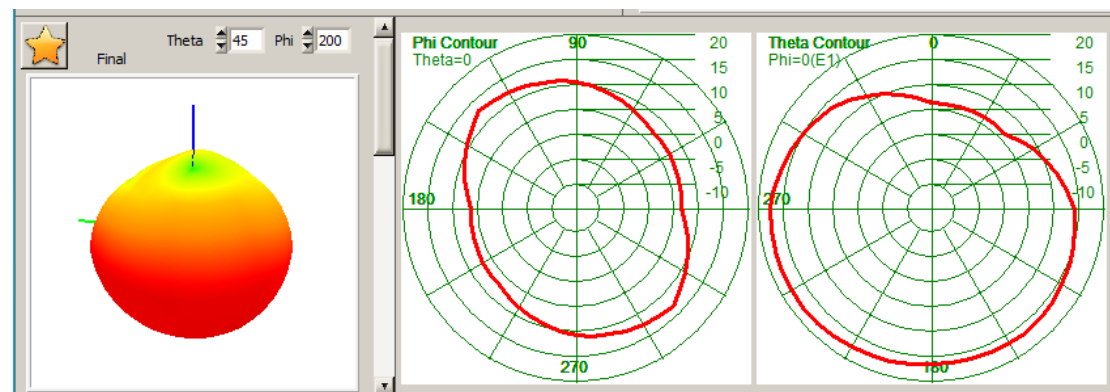
FDD-B5



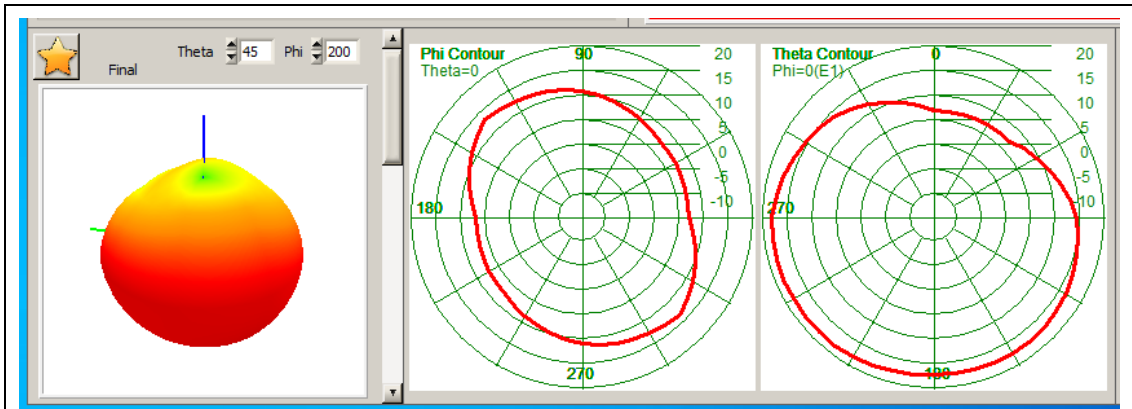
FDD-B8



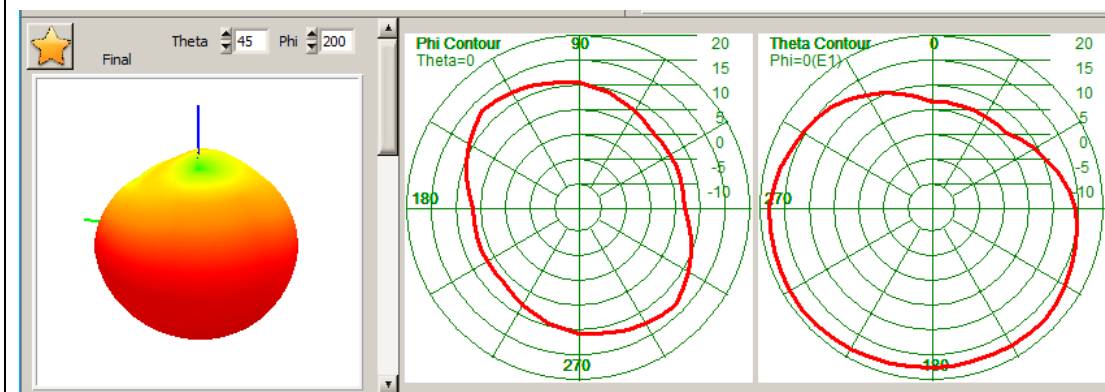
FDD-B12



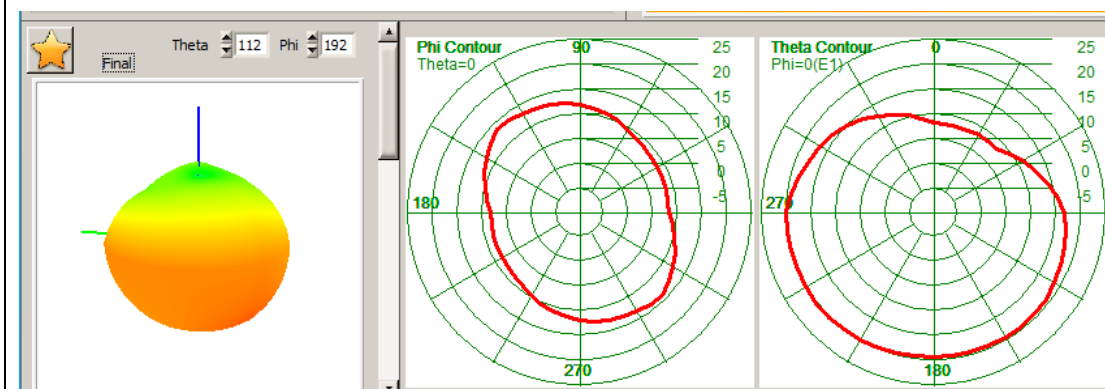
FDD-B17



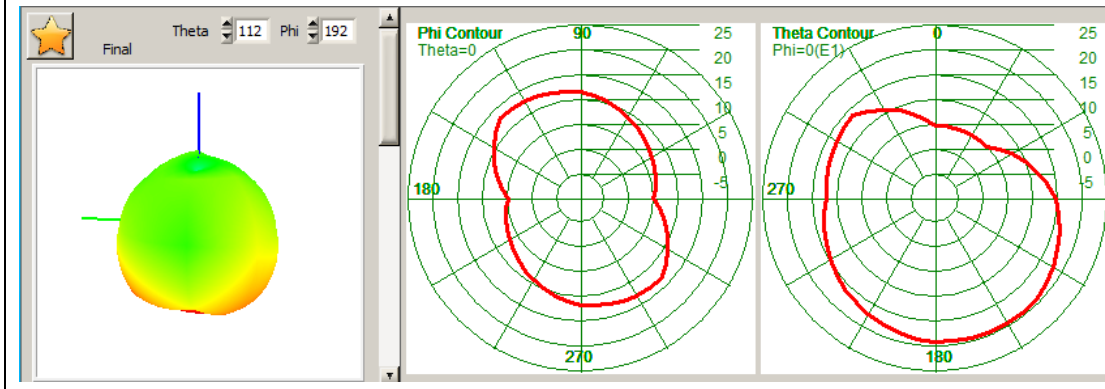
FDD-B28A



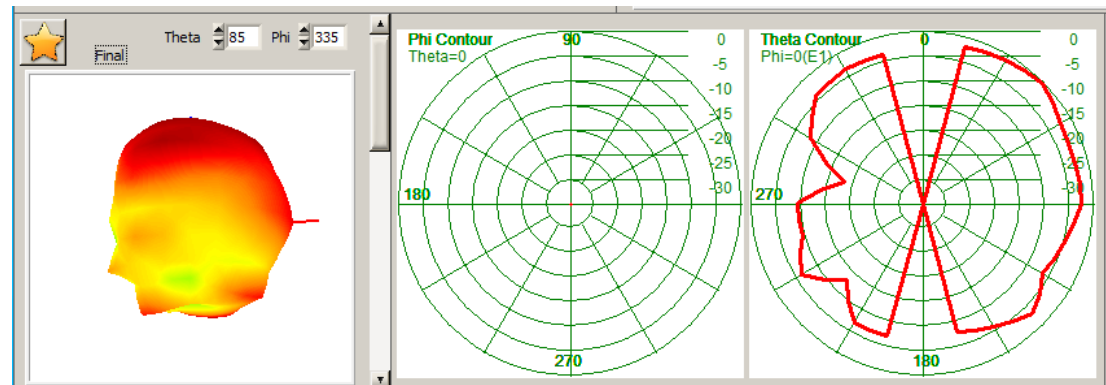
FDD-B28B



FDD-B66



BT/2.4G-



8.Introduction to Antenna Information

KC240	
Antenna type and frequency band	MAIN ANTENNA(<u>PIFA</u>):2G/3G/4G DIV ANTENNA(<u>PIFA</u>):2G/3G/4G BT ANTENNA(<u>IFA</u>):2.4GBT
Antenna materia	FPC