

深圳市麒鑫通达科技有限公司

天线测试数据报告

客户：天锐祥

项目：S6901

GSM: B2/B3/B5/B8

WCDMA: B1/B2/B4/B5/B8

TDD:B38/B39/B40/B41

FDD:B1/B2/B3/B4/B5/B7/B8/B12/B17/B18/B19/B20/B25/B26/B28AB/B66/

工程：熊工（187 1893 6792）

日期：2025-06-24

Shenzhen Qichang Intelligent Technology Co., Ltd

Room 510, Building 7, Yunli Intelligent Park, No. 7, Bantian Street, Longgang, Shenzhen

1. Test Project

	Test Project	Equipment
1. S Parameter	1. Return Loss (RL) 2. VSWR	Network Analyzer: Agilent 5071B
2. RF Test (2/3/4/5G)	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)

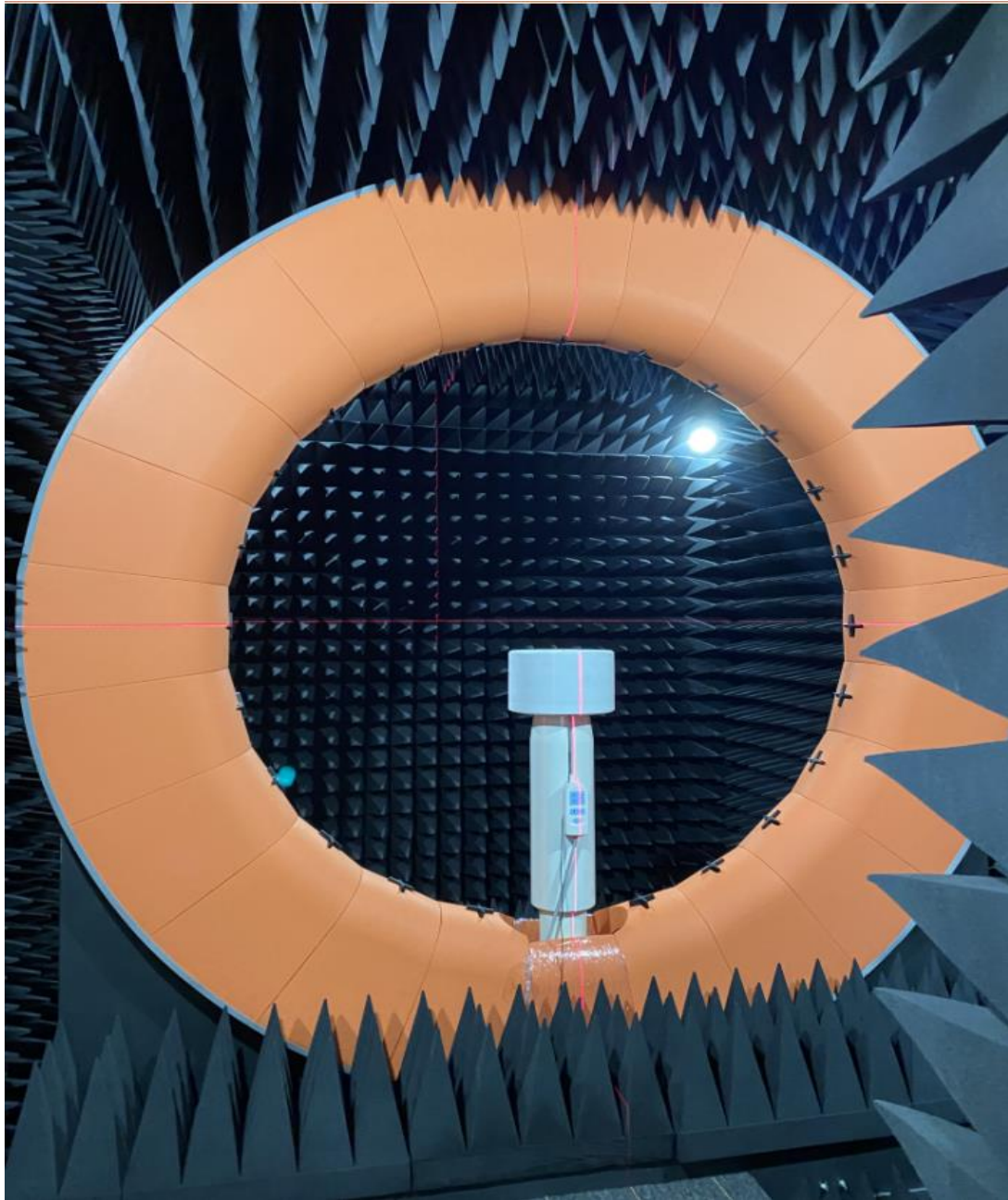


CMW 500 (2G/3G/4G Test Equipment)



SP9500 (5G Test Equipment)

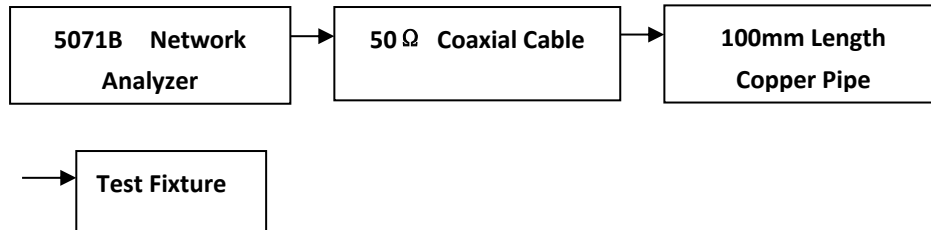
3. TestEnvironment



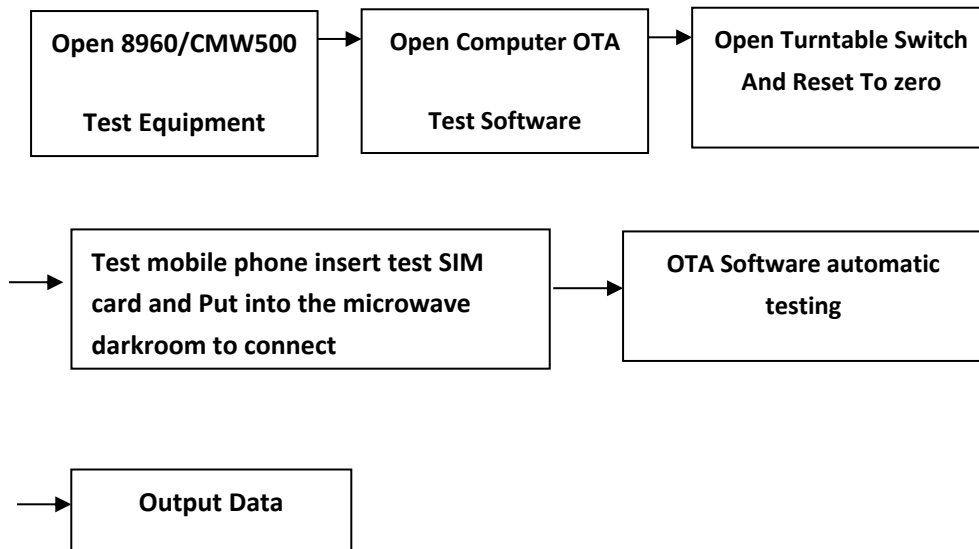
Microwave Anechoic Chamber

4.Test Steps

Passive VSWR/RL Test Steps:



Active TRP/TIS Test Steps:

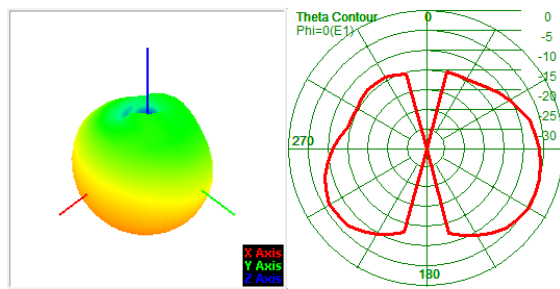


5. Antenna Gain

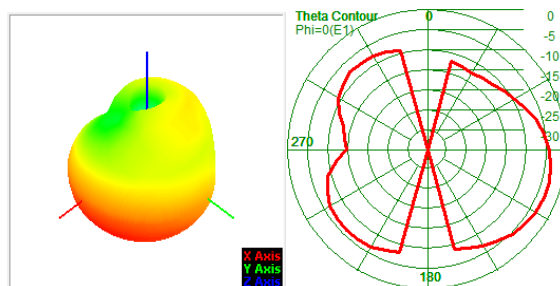
Band	Max Gain	Band	Max Gain
GSM850	-0.87	LTE-B26	-0.87
GSM900	-0.71	LTE-B28	-1.33
DCS1800	0.85	LTE-B66	0.58
PCS1900	0.47	LTE-B38	-0.78
WCDMA1	-0.17	LTE-B39	0.85
WCDMA2	0.47	LTE-B40	-0.58
WCDMA4	0.54	LTE-B41	-0.79
WCDMA5	-0.87		
WCDMA8	-0.71	GPS	-0.31
LTE-B1	-0.17	Bluetooth	-0.13
LTE-B2	0.47	WIFI-2.4G	-0.13
LTE-B3	0.85	WIFI-5.1G	-0.38
LTE-B4	0.54	WIFI-5.8G	-0.50
LTE-B5	-0.87		
LTE-B7	-0.47		
LTE-B8	-0.71		
LTE-B12	-1.22		
LTE-B17	-1.25		
LTE-B18	-0.87		
LTE-B19	-0.89		
LTE-B20	-0.87		
LTE-B25	0.47		

6.3D Lobe Diagram

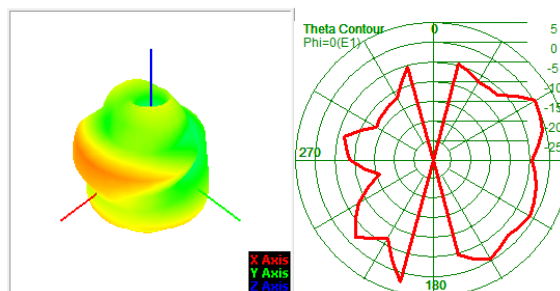
GSM850



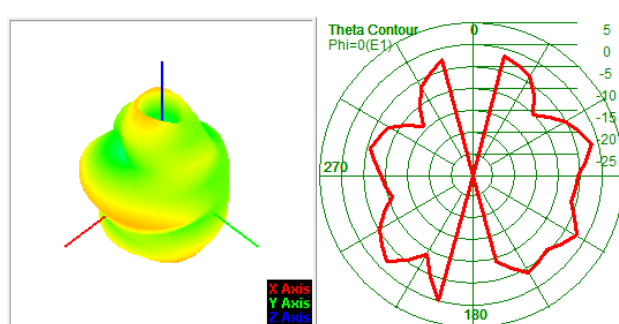
GSM900



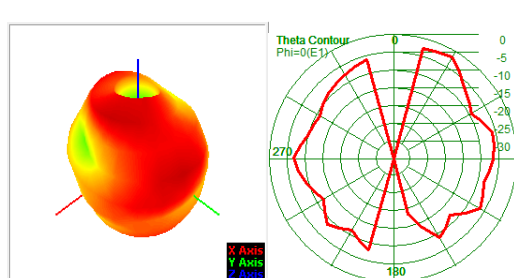
DSC1800



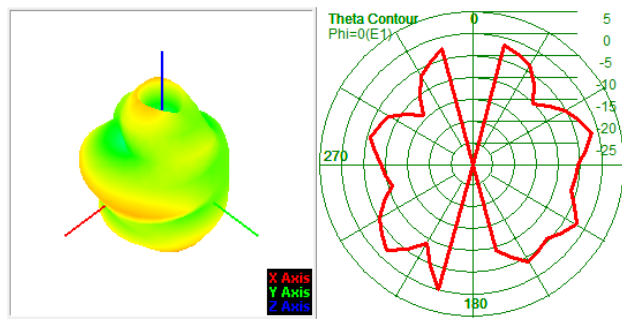
PCS1900



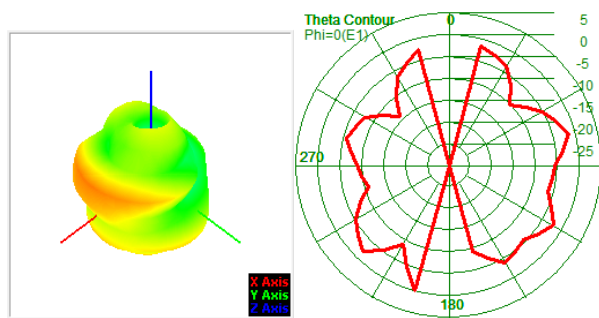
W1



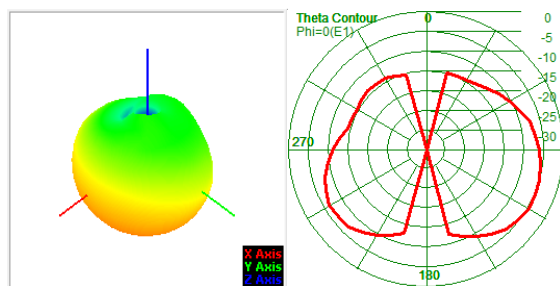
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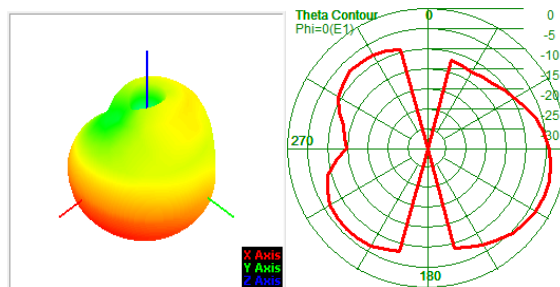
W4



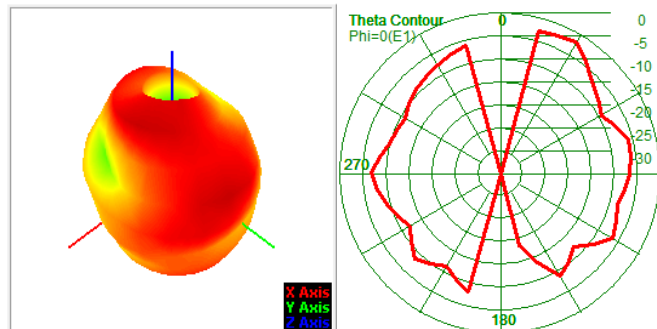
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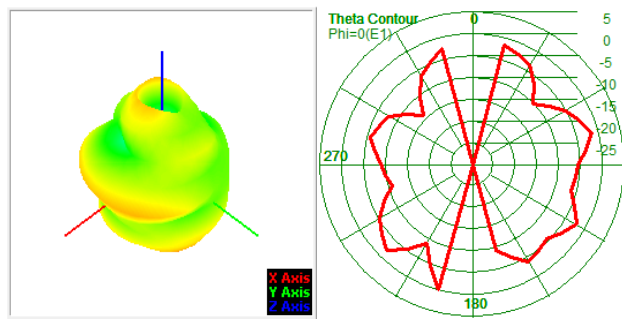
W8



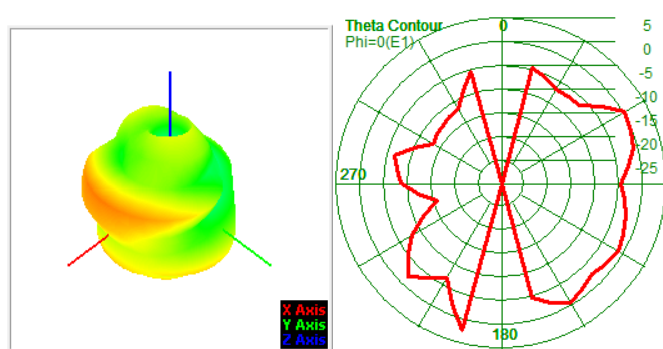
FDD-B1



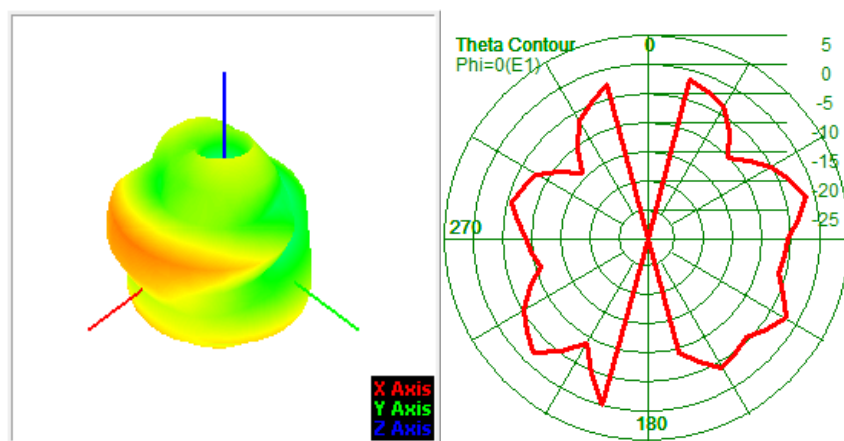
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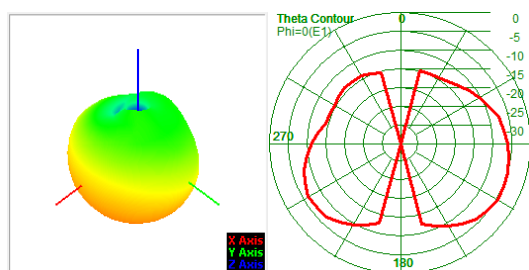
FDD-B3



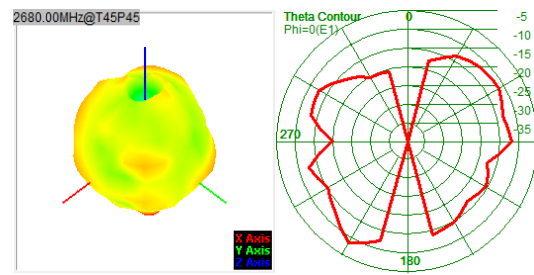
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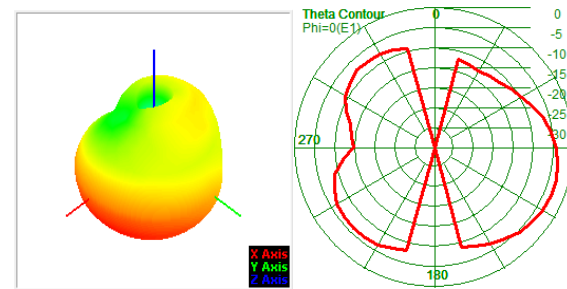
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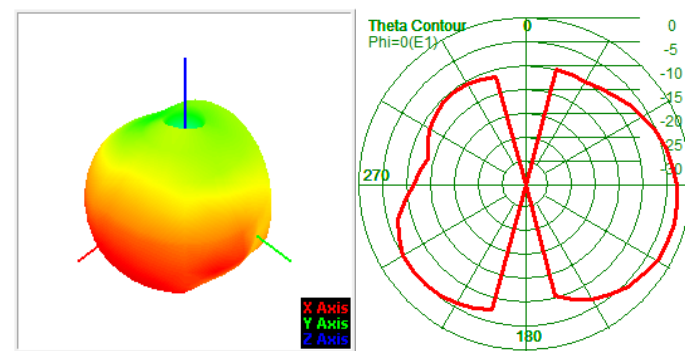
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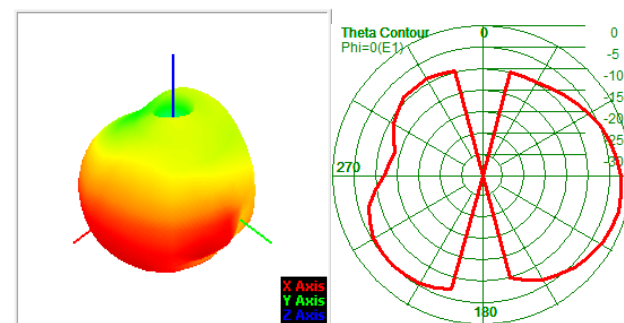
FDD-B8



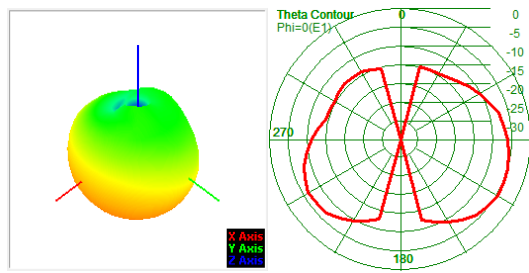
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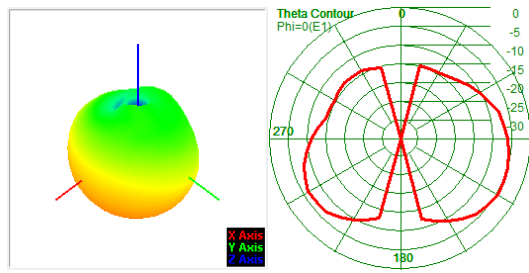
FDD-B17



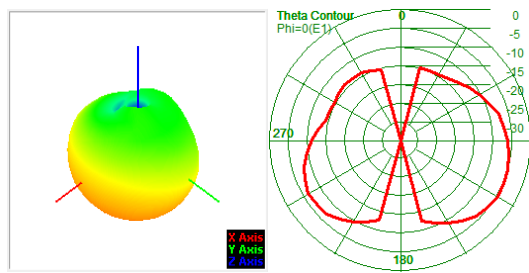
FDD-B18



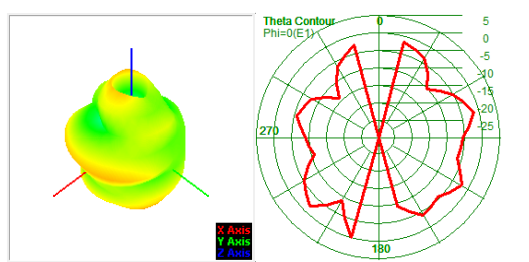
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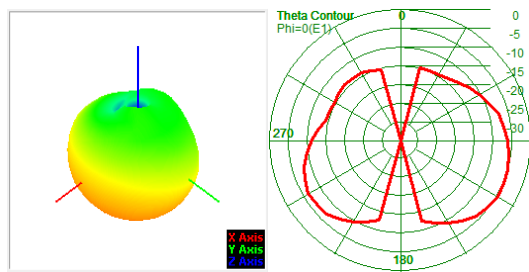
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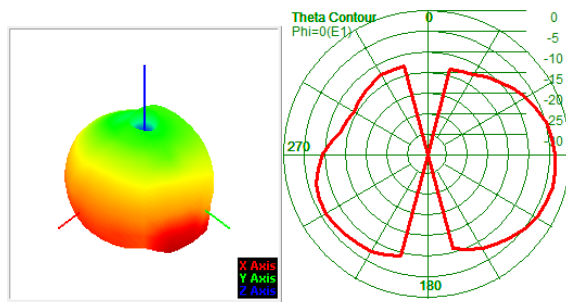
FDD-B25



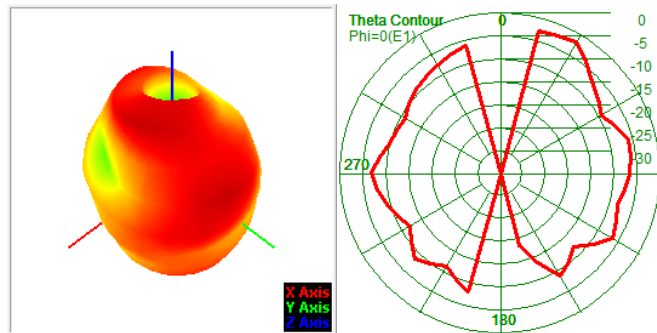
FDD-B26



FDD-B28

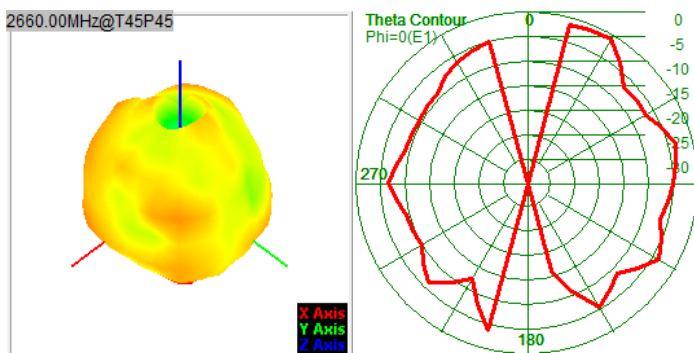


FDD-B66

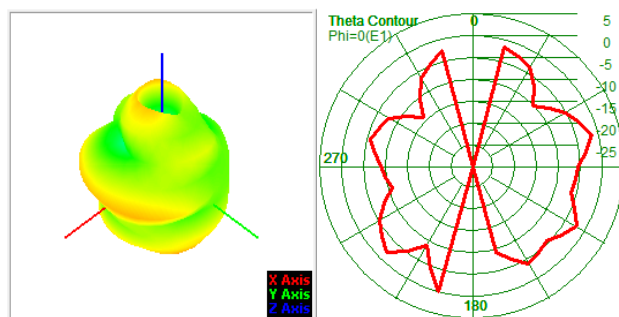


TDD-B38

2660.00MHz@T45P45

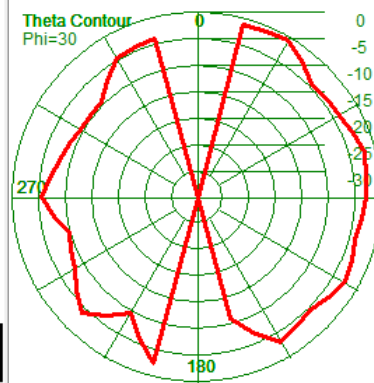
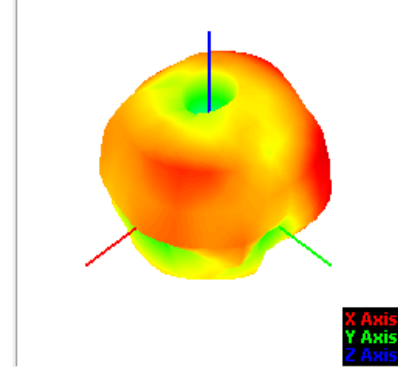


TDD-B39



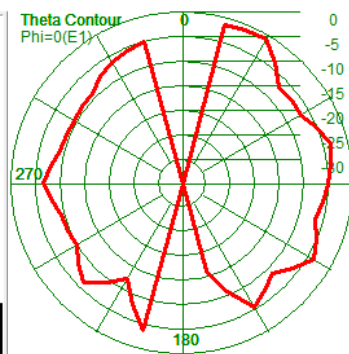
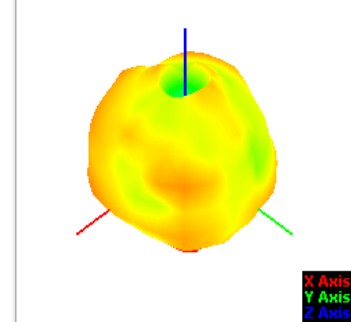
TDD-B40

2380.00MHz@T45P45

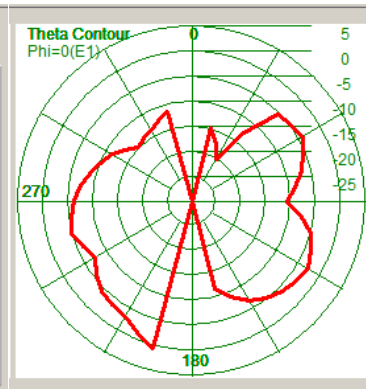
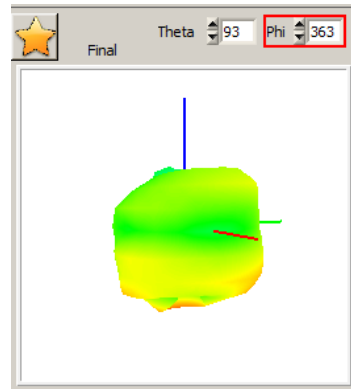


TDD-B41

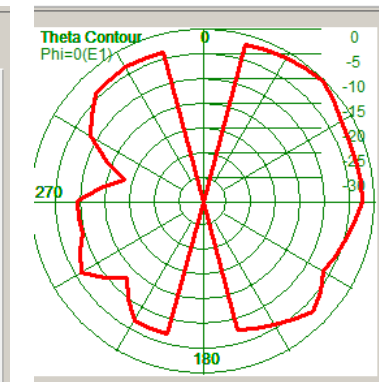
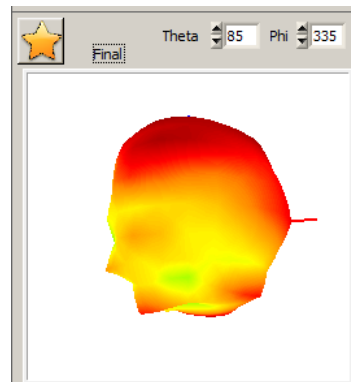
2660.00MHz@T45P45



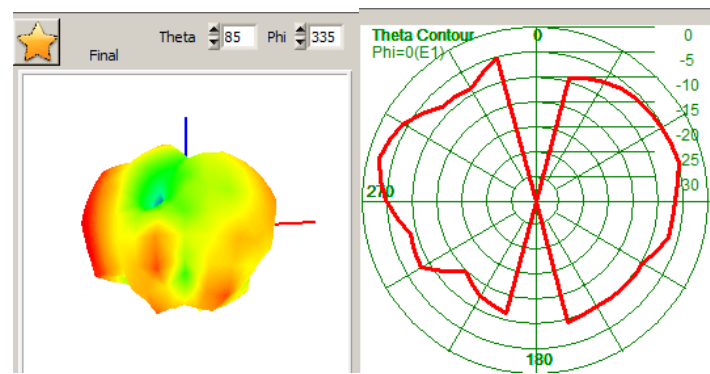
GPS



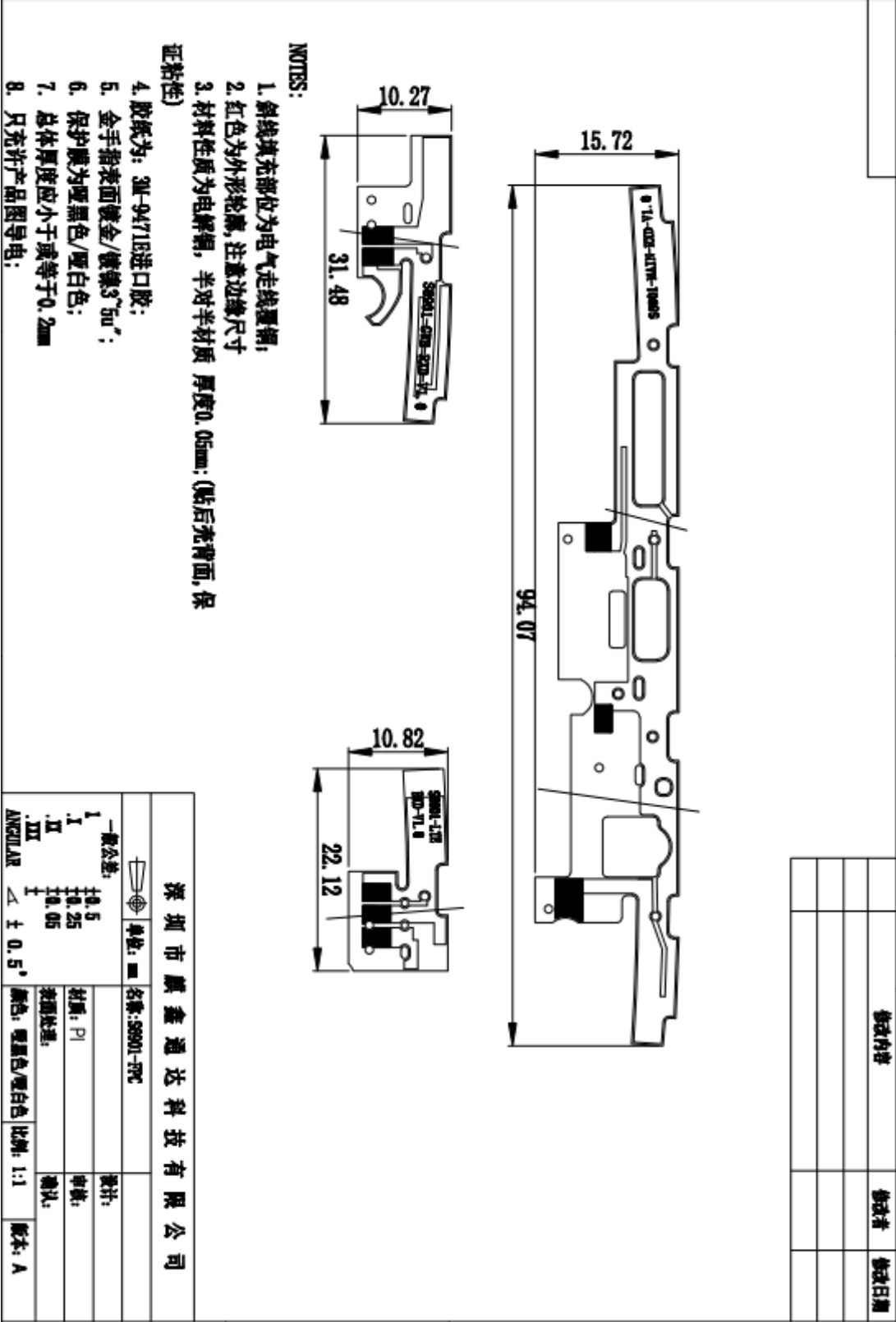
BT/WIFI-2.4



5.8G-WIFI



7 Mechanical drawing



8.Introduction to Antenna Information

S6901	
Antenna type and frequency band	MAIN ANTENNA(<u>PIFA</u>):2G/3G/4G DIV ANTENNA(<u>PIFA</u>):2G/3G/4G GPS/WIFI/BT ANTENNA(<u>PIFA</u>):L1/2.4GWIFI/BT
Antenna materia	FPC