

Shenzhen Qixin Tongda Technology Co., LTD
Building 1, North Yongfa Technology Park, Xinhe Road, Gonghe
Community, Shajing Street, Bao'an District, Shenzhen, China

TRP/TIS REPORT

Project : LOGIC B7L

Band: G2/3/5/8+W1/2/5/8+FDD-1/2/3/4/5/8/12/28

Model: K39-B7L

Engineer: Ma

Date: Dec. 08th 2024

	Test Project	Equipment
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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

1. Test Project

2. Test Equipment



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



Agilent 8960 (2G/3G Test Equipment)

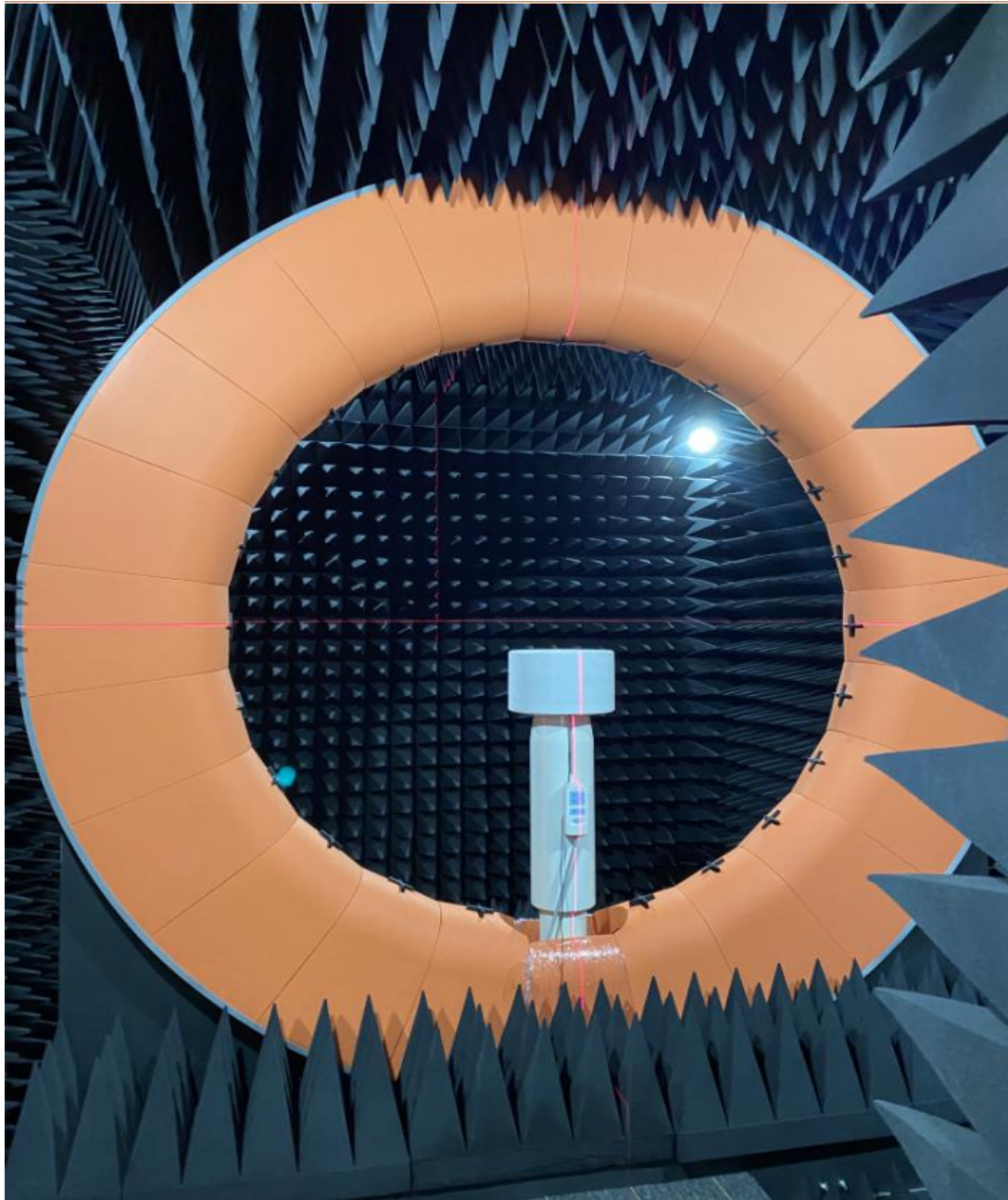


CMW 500 (2G/3G/4G Test Equipment)



SP9500 (5G Test Equipment)

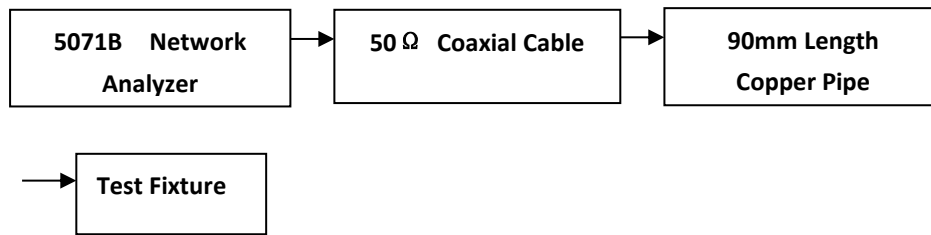
3. TestEnvironment



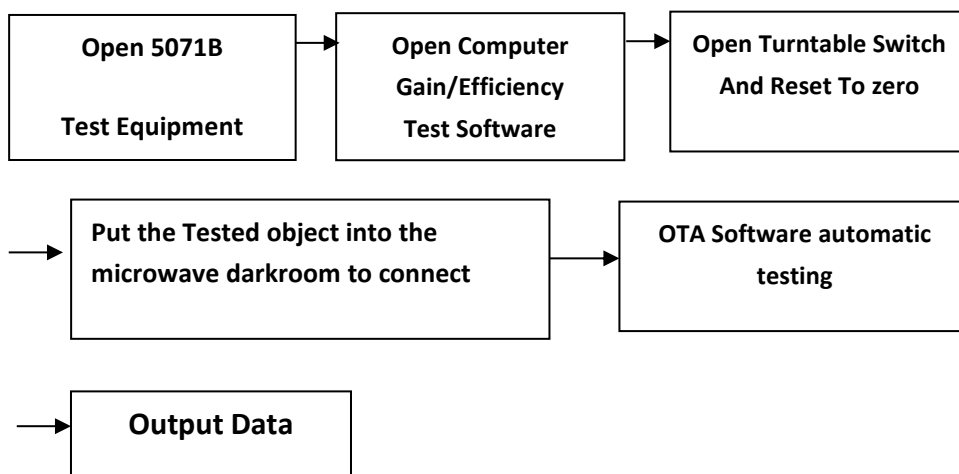
Microwave Anechoic Chamber

4.Test Steps

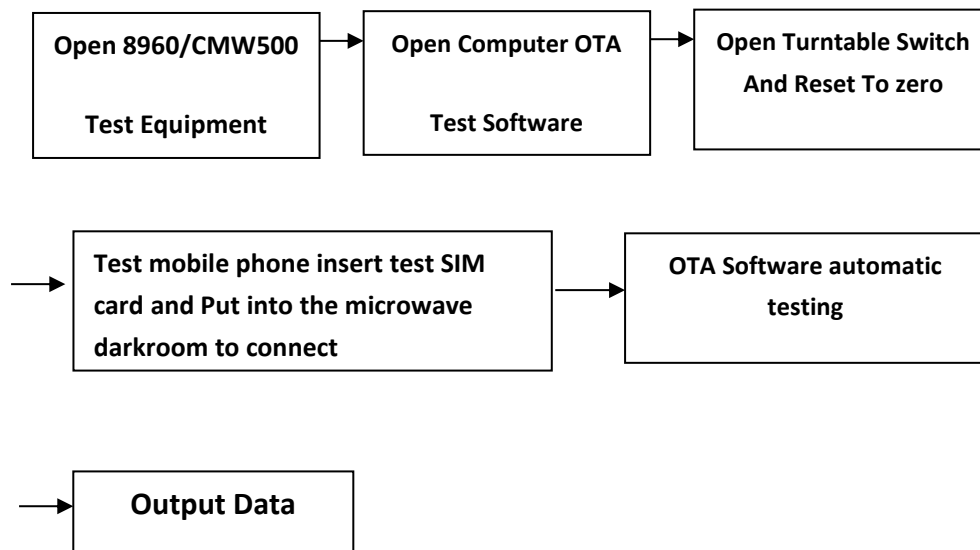
Passive VSWR/RL Test Steps:



Gain/Efficiency Test Steps:



Active TRP/TIS Test Steps:

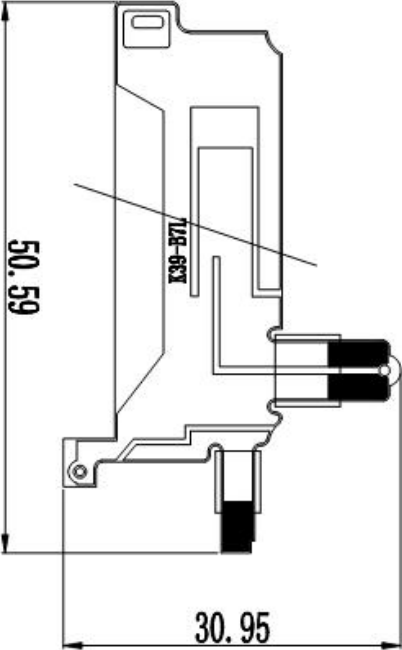


5. Antenna distribution diagram



6. Antenna size diagram

修改内容		修改者	修改日期



NOTES:

1. 斜线填充部位为电气走线覆铜; 2. 红色为外形轮廓, 注意边缘尺寸
3. 材料性质为电解铜, 半对半材质 厚度0.05mm; (贴后壳背面, 保证粘性)
4. 胶纸为: 3M-9471E进口胶; 5. 金手指表面镀金/镀镍3~5u';
6. 保护膜为哑黑色/哑白色; 7. 总体厚度应小于或等于0.2mm
8. 只允许产品图导电;

深圳市麒麟通达科技有限公司			
一般公差:		单位: mm	名称: 139A-4G FCC
I	±0.5	材质: PI	设计:
II	±0.25	表面处理:	审核:
III	±0.05	颜色: 哑黑色/哑白色	确认:
ANGULAR	± 0.5°	比例: 1:1	版本: A

7. Antenna Gain

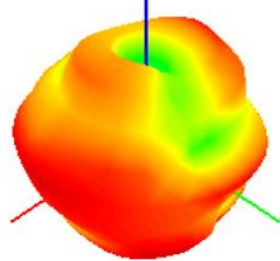
Band	Max Gain
GSM850	-0.56
GSM900	-0.41
DCS1800	0.14
PCS1900	0.37
WCDMA2100	0.62
WCDMA1900	0.37
WCDMA850	-0.56
WCDMA900	-0.41
BAND 1	0.37
BAND 2	0.37
BAND 3	0.14
BAND 4	0.14
BAND 5	-0.56
BAND 8	-0.41
BAND 12	-0.91
BAND 28	-0.91
BT	0.8

8.2D&3D Lobe Diagram

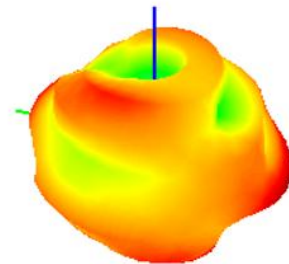
GSM850



-0.56
-6.28
-11.89
-17.5
-23.1
-28.71
-34.32
-39.92
-45.53
-51.14
-56.74
-62.35
-67.96
-73.56
-79.17
-84.78
-90.38
-95.99



X Axis
Y Axis
Z Axis

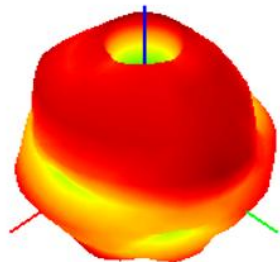


X Axis
Y Axis
Z Axis

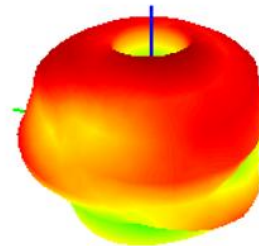
GSM900



-0.41
-6.04
-11.67
-17.29
-22.91
-28.53
-34.15
-39.77
-45.39
-51.02
-56.64
-62.26
-67.88
-73.5
-79.12
-84.75
-90.37
-95.99

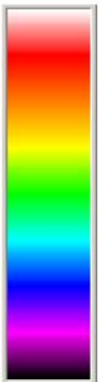


X Axis
Y Axis
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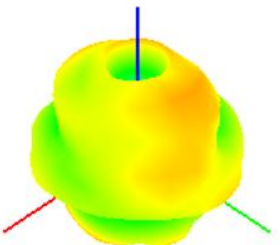


X Axis
Y Axis
Z Axis

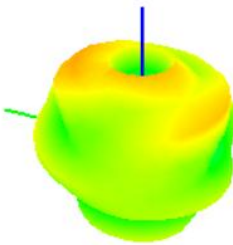
DSC1800



0.14
-5.56
-11.21
-16.86
-22.52
-28.17
-33.82
-39.47
-45.12
-50.77
-56.43
-62.08
-67.73
-73.38
-79.03
-84.69
-90.34
-95.99

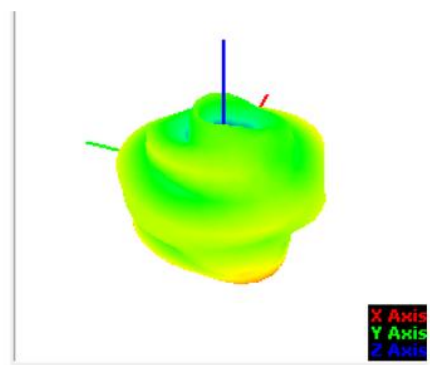
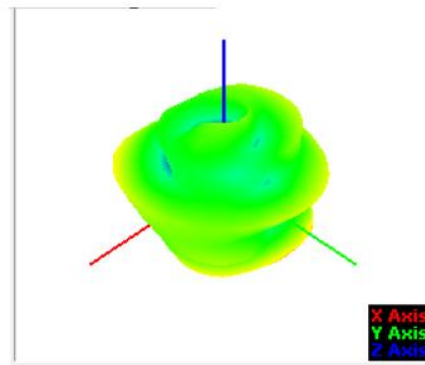


X Axis
Y Axis
Z Axis

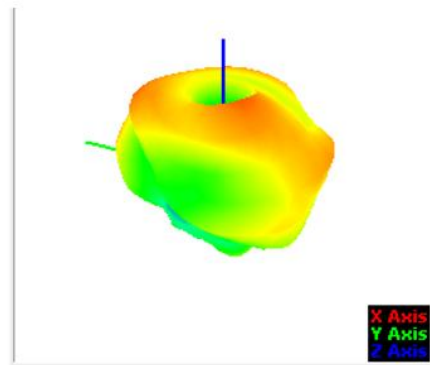
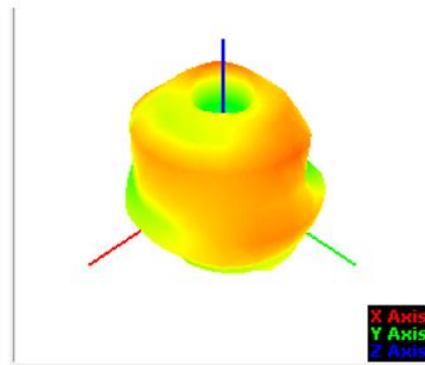


X Axis
Y Axis
Z Axis

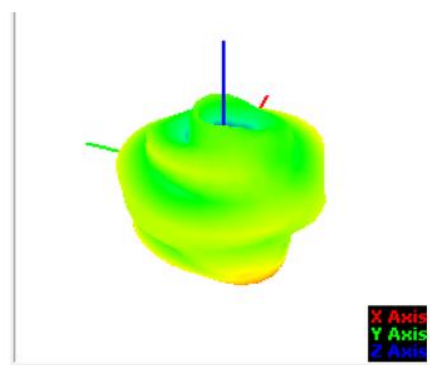
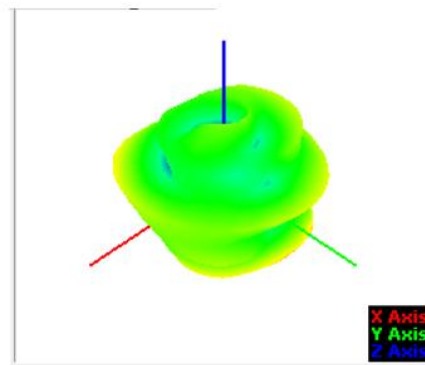
PCS1900



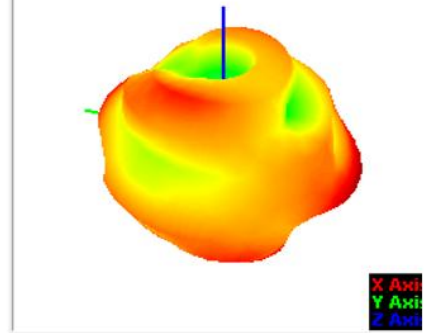
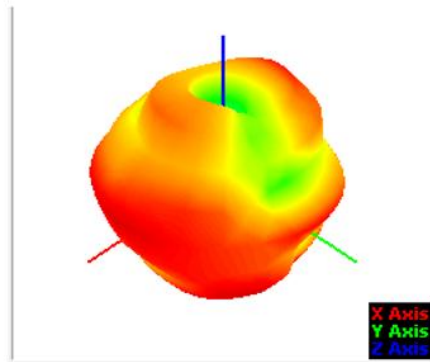
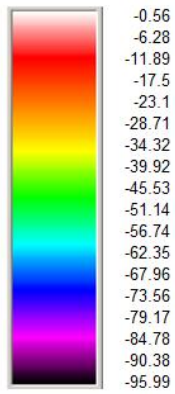
W1



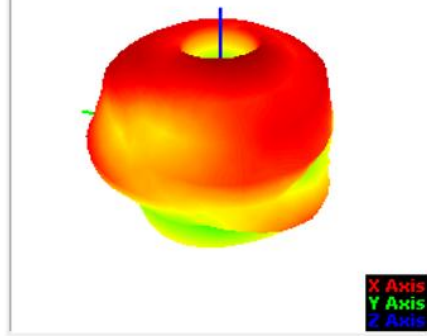
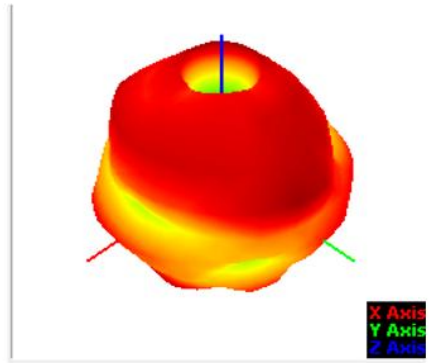
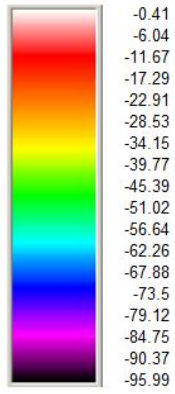
W2



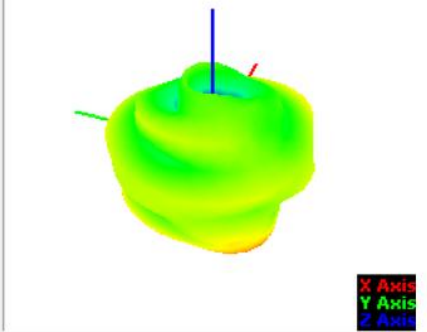
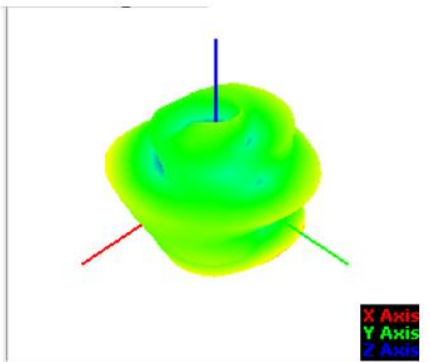
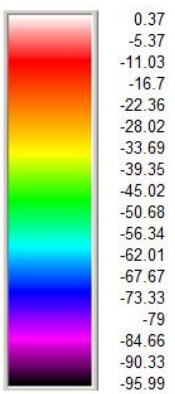
W5



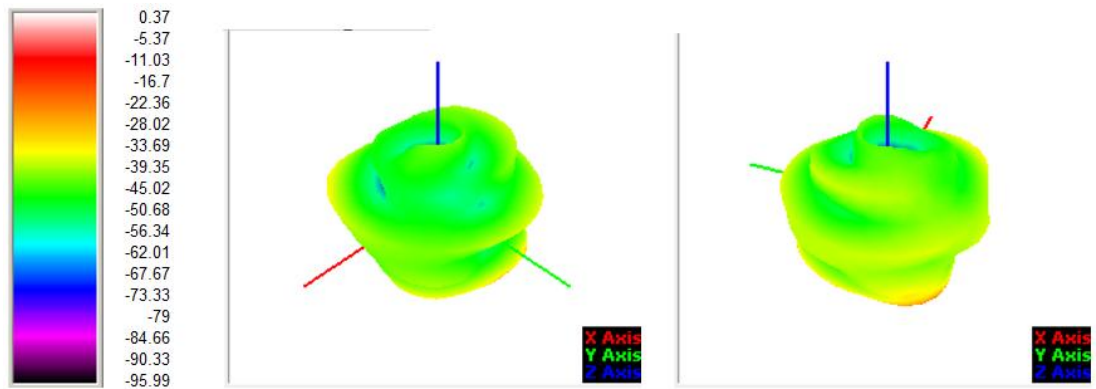
W8



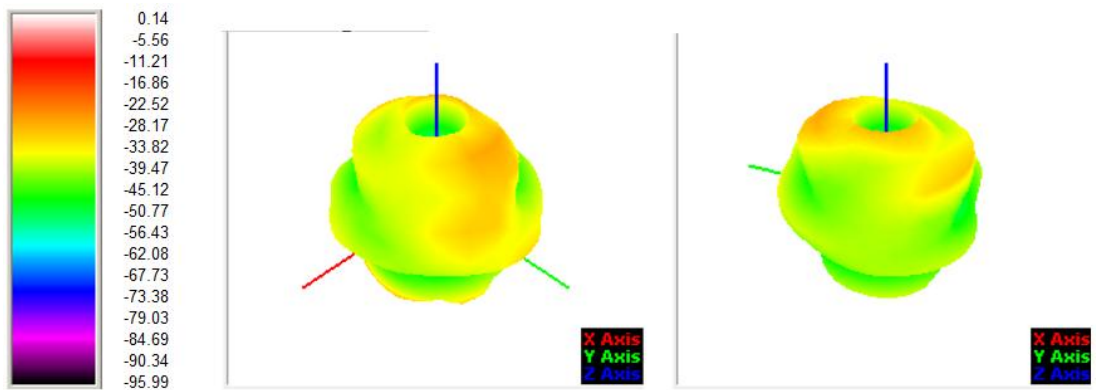
FDD-B1



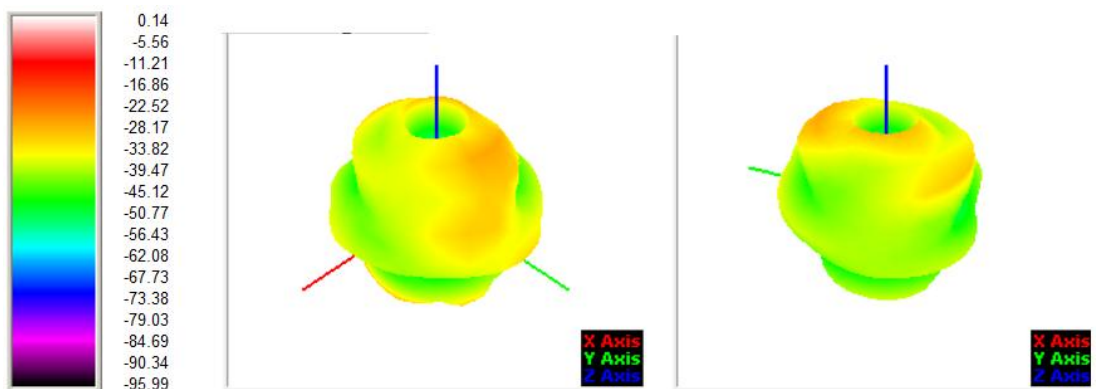
FDD-B2



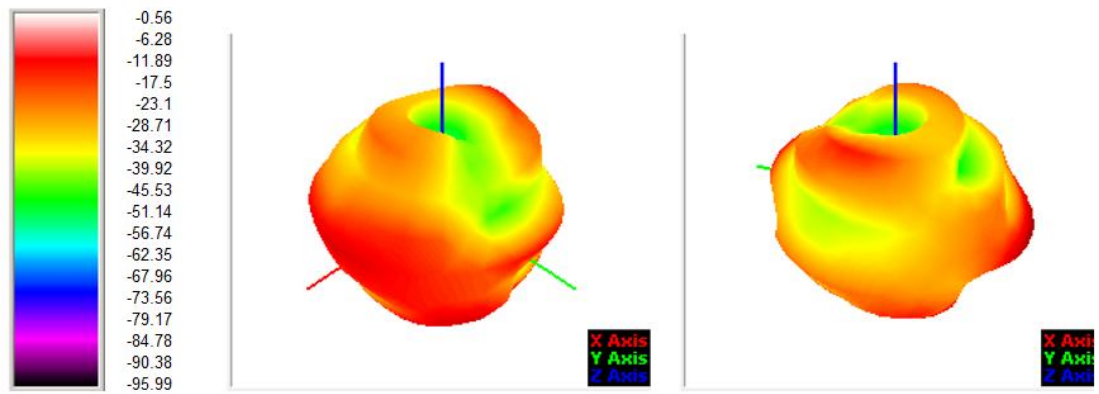
FDD-B3



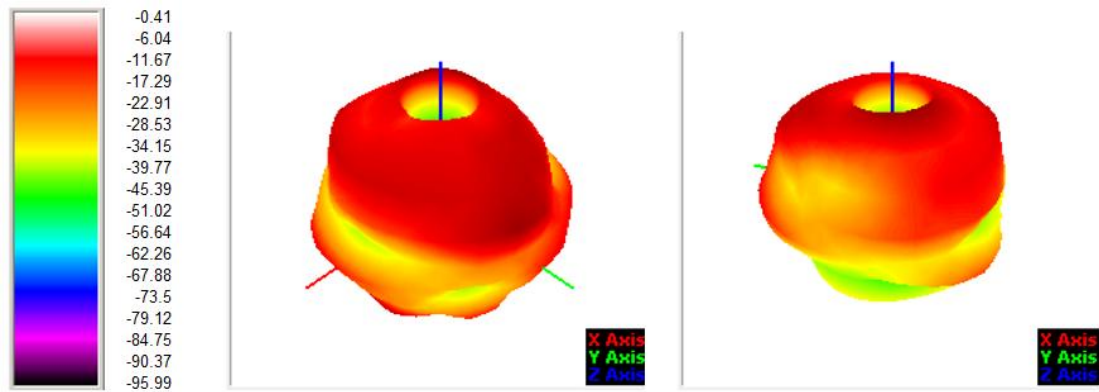
FDD-B4



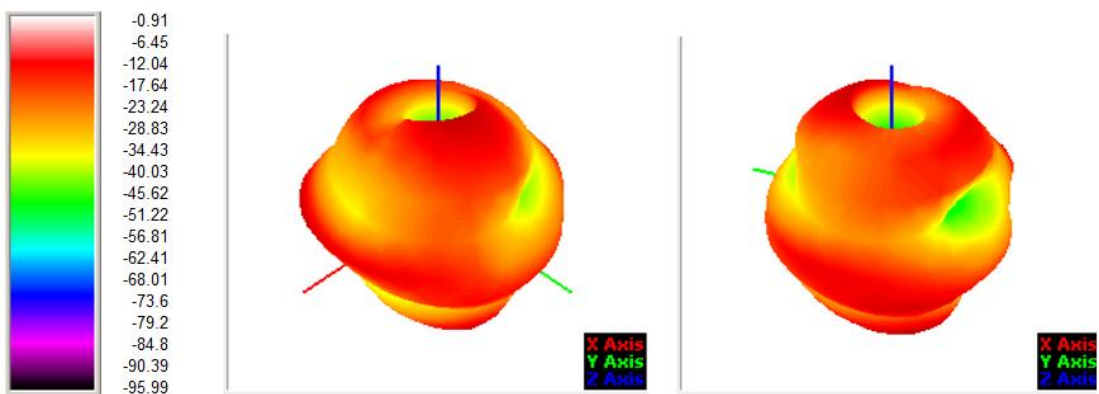
FDD-B5



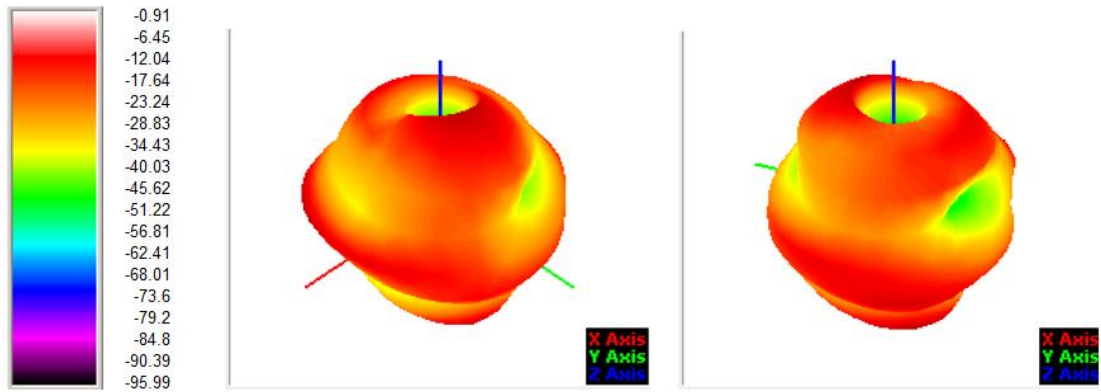
FDD-B8



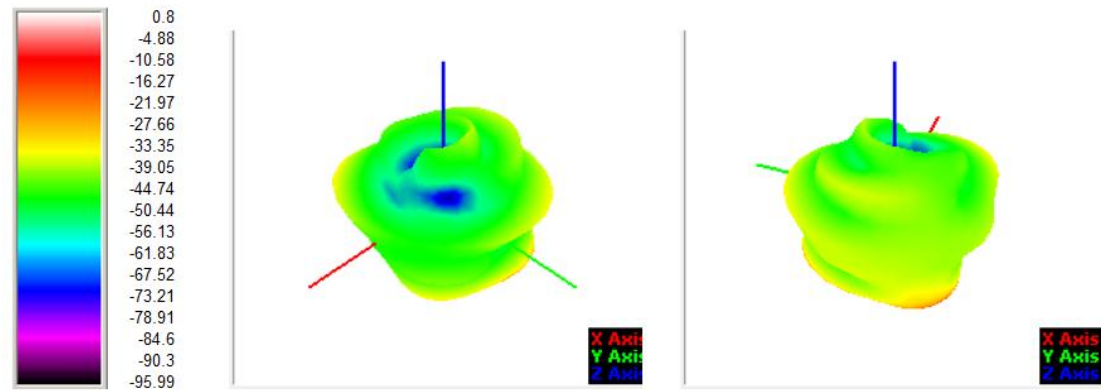
FDD-B12



FDD-B28



BT



9.Introduction to Antenna Information

K39	
Antenna type and frequency band	MAIN ANTENNA(PIFA):2G/3G/4G BT ANTENNA:BT