

ShenZhen QiXinTongDa Technology Co.,Ltd.

Antenna Test Report

Client Name: OUQI

Project Name: S118-4G

**Frequency Band: GSM B2/3/5/8+WCDMA B1/2/4 /
5/8+FDD B1/2/3/4/5/7/8/12/17/18/19/20/25/26/28
AB/66+TDD B38/40/41**

RF: LI HAI LONG (137 6025 5827)

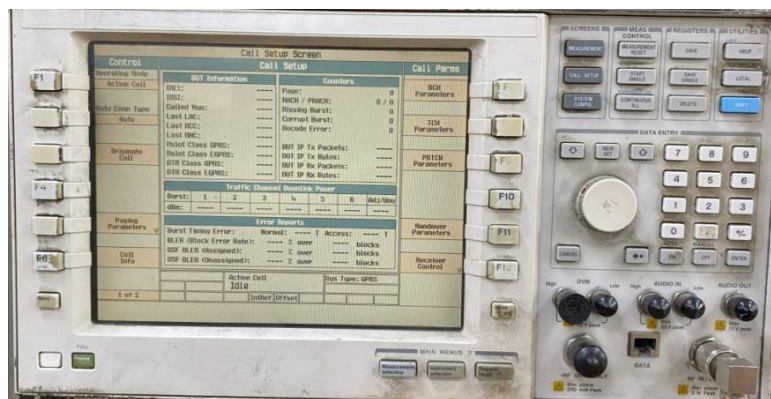
1. Test Project

	Test Project	Equipment
1. S Parameter	1. Return Loss (RL) 2. VSWR	Network Analyzer: Agilent 5071B
2. RF Test (2G+3G+4G+5G)	1. power 2. level 3. TRP/TIS	Comprehensive Test: CMW500/8960 Test Environment: Anechoic Chamber

2. Test Equipment



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

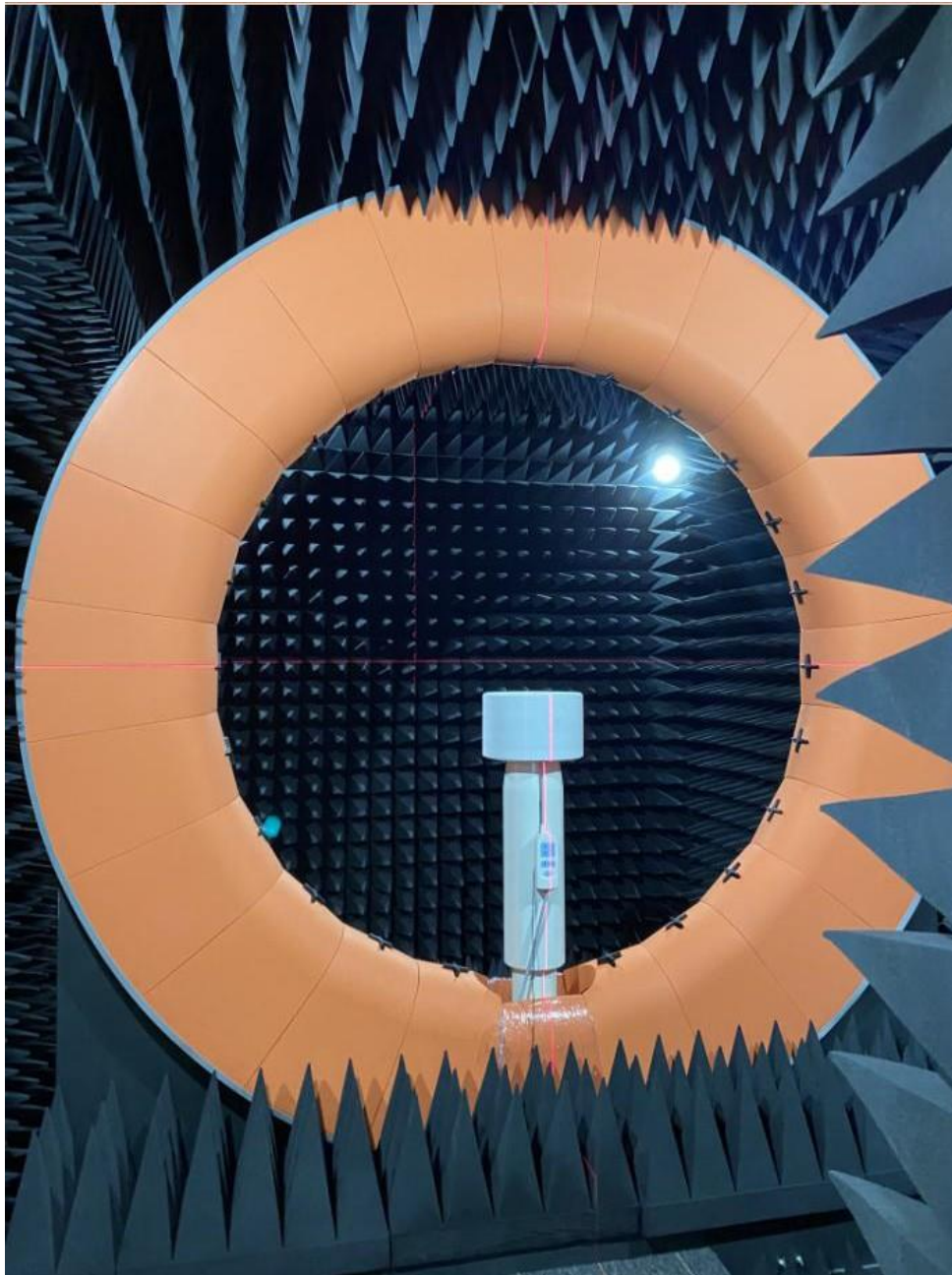


Agilent 8960 (2G/3G Test Equipment)



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

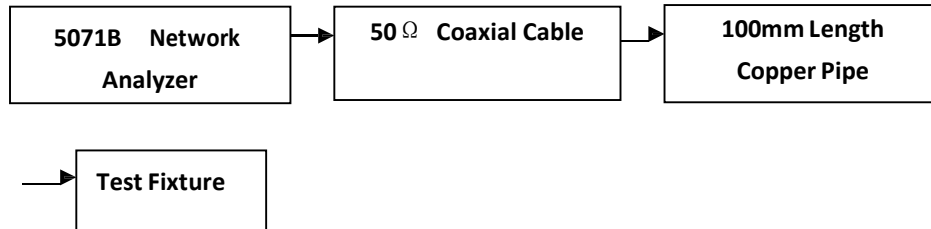
3. TestEnvironment



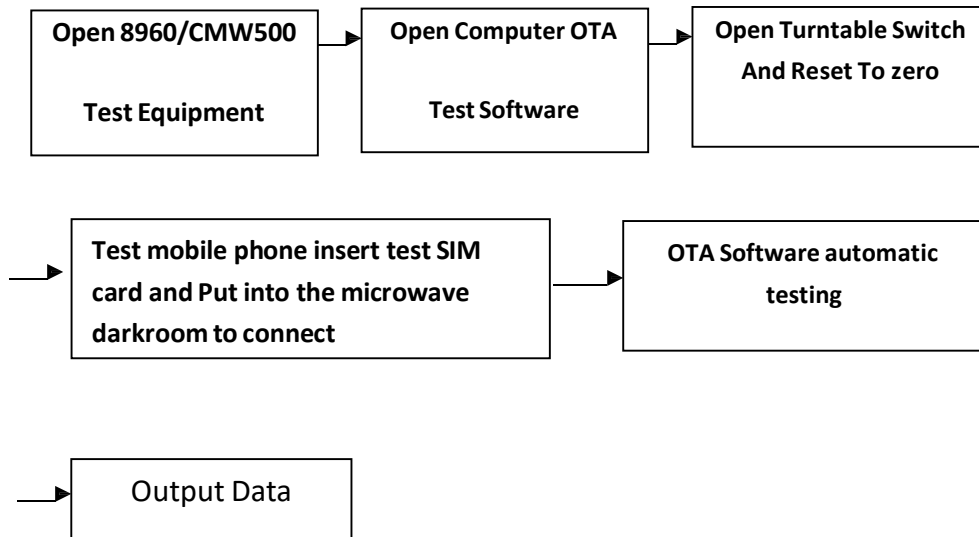
Anechoic Chamber

4.Test Steps

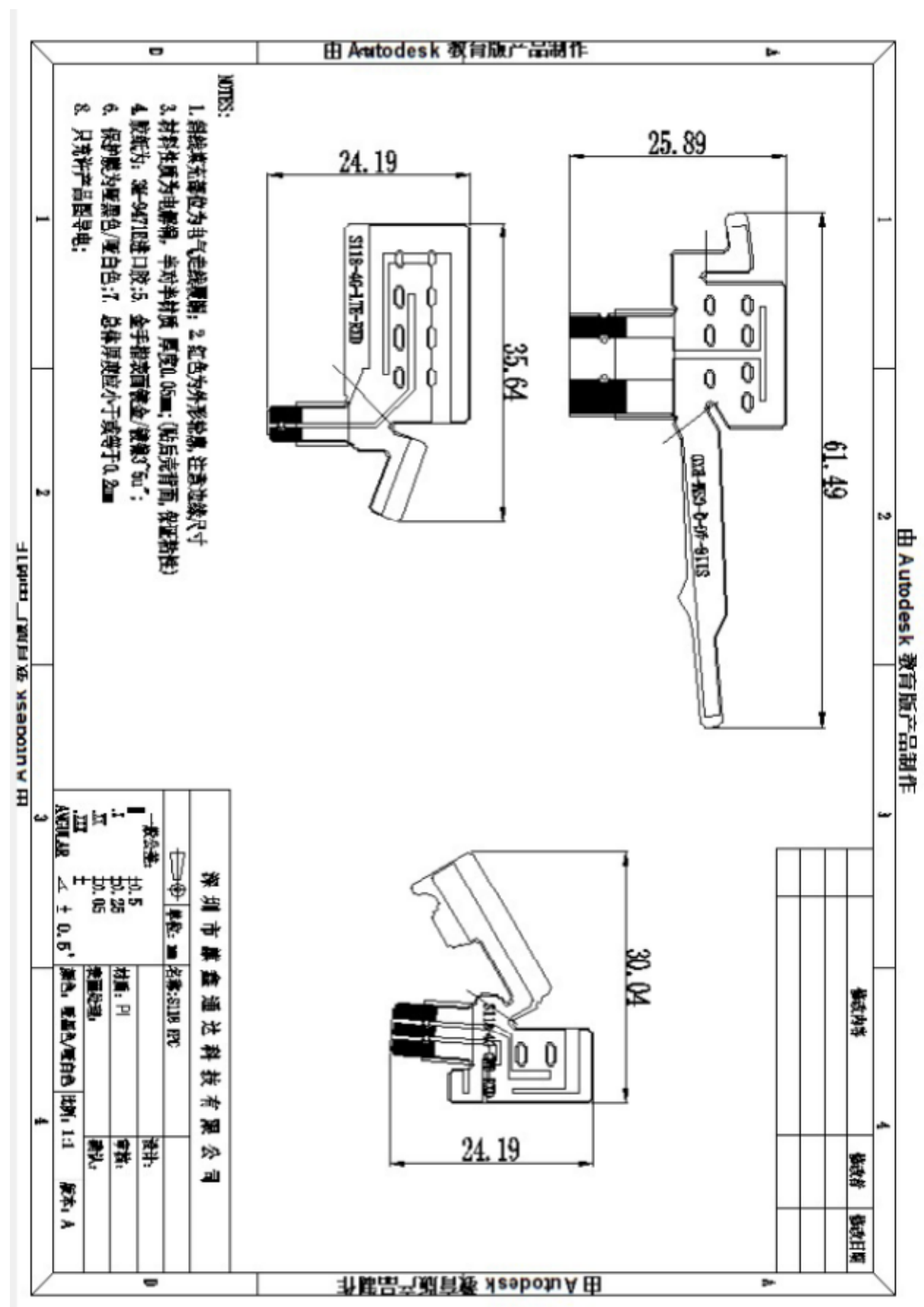
Passive VSWR/RL Test Steps:



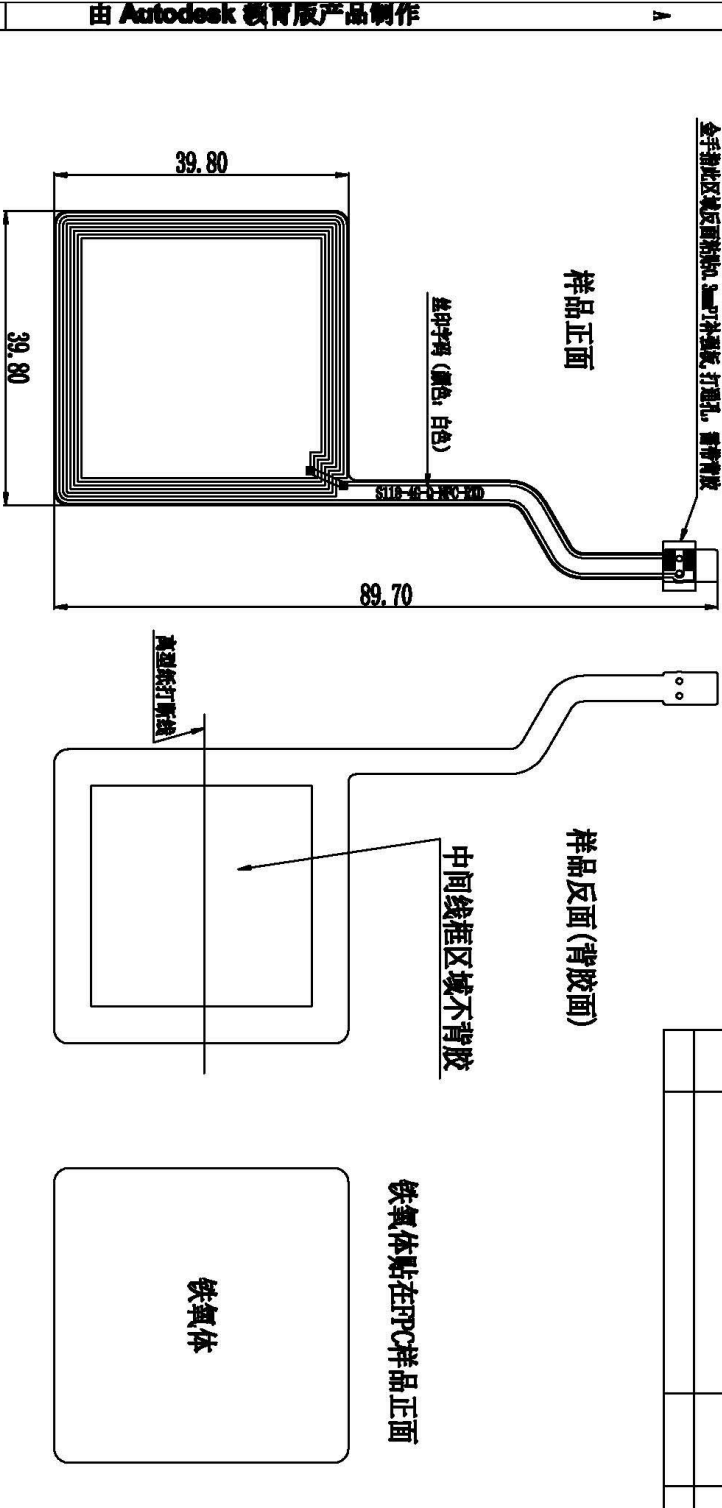
Active TRP/TIS Test Steps:



5. Antenna Dimensions



修改内容	修改者	修改日期



NOTES:

1. 铜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, 半铜半材质 厚度0.05mm; (贴后充背面, 保证粘性)
4. 胶纸为: 3M 9471B进口胶; 5. 金手指表面镀金/镀银3~5μ; 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;

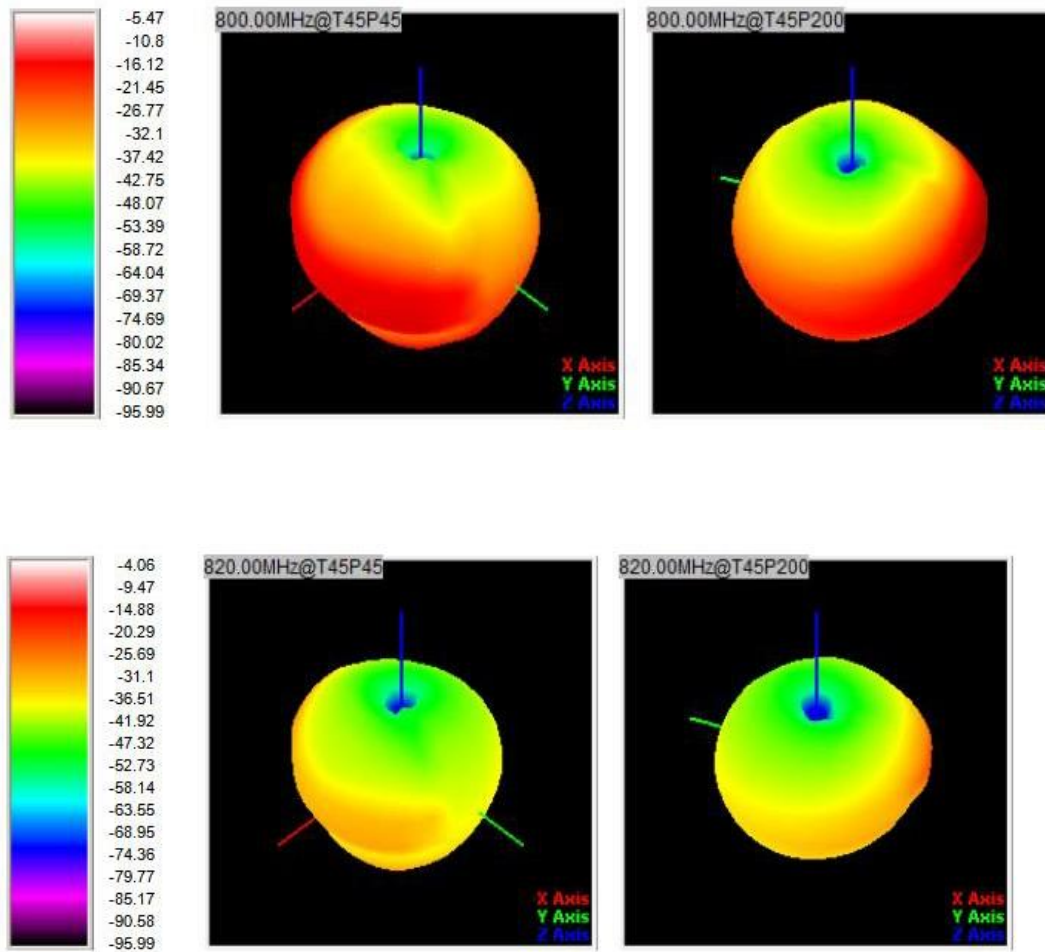
深圳市麒鑫通达科技有限公司			
一般公差:	单位: mm	名称: SI18-PC	设计:
I. ±0.5		材质: PI	审核:
II. ±0.25		表面处理:	确认:
III. ±0.05		颜色: 哑黑色/哑白色	比例: 1:1
ANGULAR ± 0.5°			版本: A

6. Antenna Gain

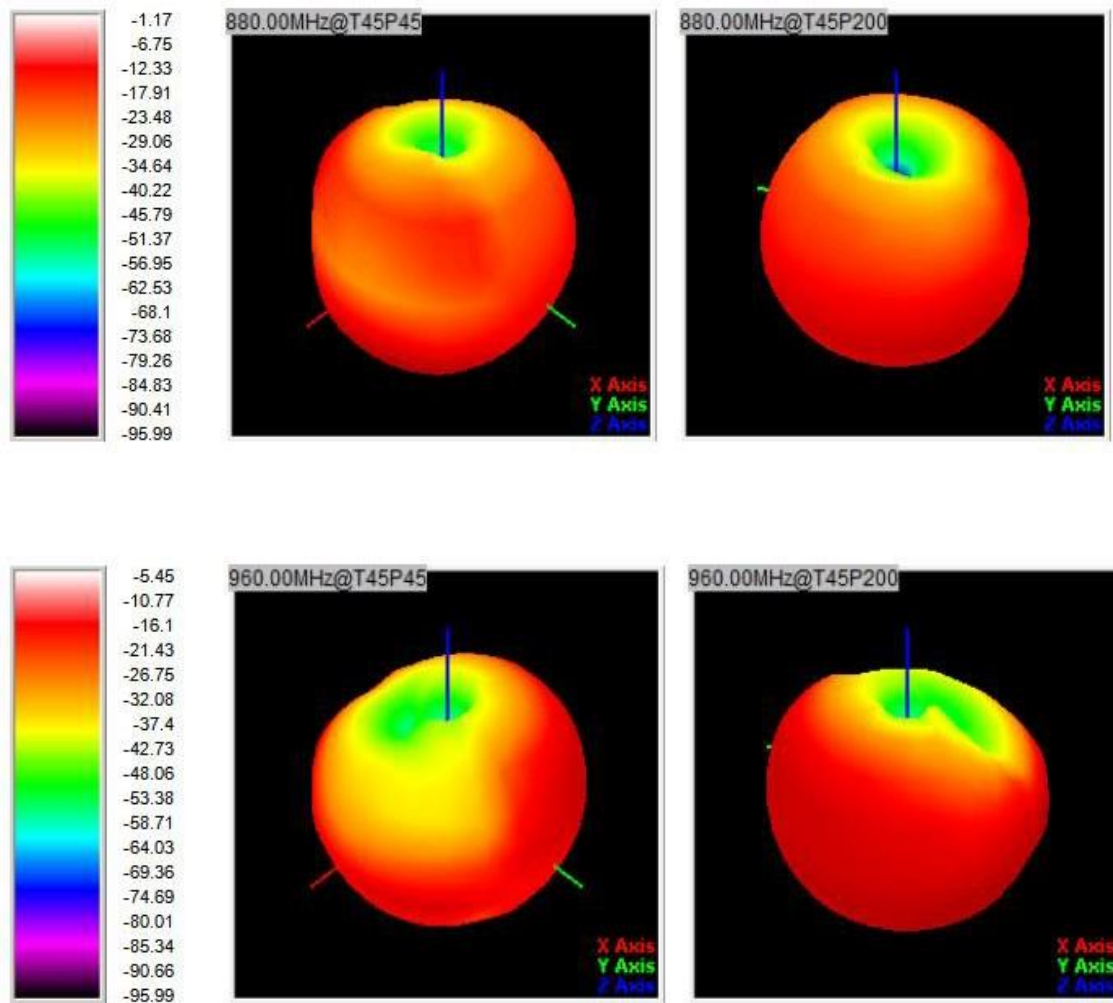
Frequency Band	Gain (dBi)
GSM850 (824-894MHz)	-2.30
GSM900 (880-960MHz)	-1.21
DCS1800 (1710-1880MHz)	0.20
PCS1900 (1850-1990MHz)	0.15
WCDMA850 (824-894MHz)	-2.30
WCDMA900 (880-960MHz)	-1.20
WCDMA1700 (1710-2155MHz)	0.21
WCDMA1900 (1850-1990MHz)	0.15
WCDMA2100 (1920-2170MHz)	0.18
FDD B 1 (1920-2170MHz)	0.18
FDD B 2 (1850-1990MHz)	0.15
FDD B 3 (1710-1880MHz)	0.21
FDD B 4 (1710-2155MHz)	0.22
FDD B 5 (824-894MHz)	-2.30
FDD B 7 (2500-2690MHz)	0.35
FDD B 8 (880-960MHz)	-1.20
FDD B 12 (699-746MHz)	-2.52
FDD B 17 (704-746MHz)	-2.50
FDD B 18 (815-875MHz)	-2.28
FDD B 19 (830-890MHz)	-2.30
FDD B 20 (791-862MHz)	-2.32
FDD B 25 (1850-1995MHz)	0.15
FDD B 26 (814-894MHz)	-2.30
FDD B 28 (703-803MHz)	-2.46
FDD B 66 (1700-2200MHz)	0.23

TDD B 38 (2570-2620MHz)	0.35
TDD B 40 (2300-2400MHz)	0.36
TDD B 41 (2496-2690MHz)	0.33
WIFI2.4G	0.21
WIFI5.8G	-0.13
Bluetooth	0.21
GPS	0.10

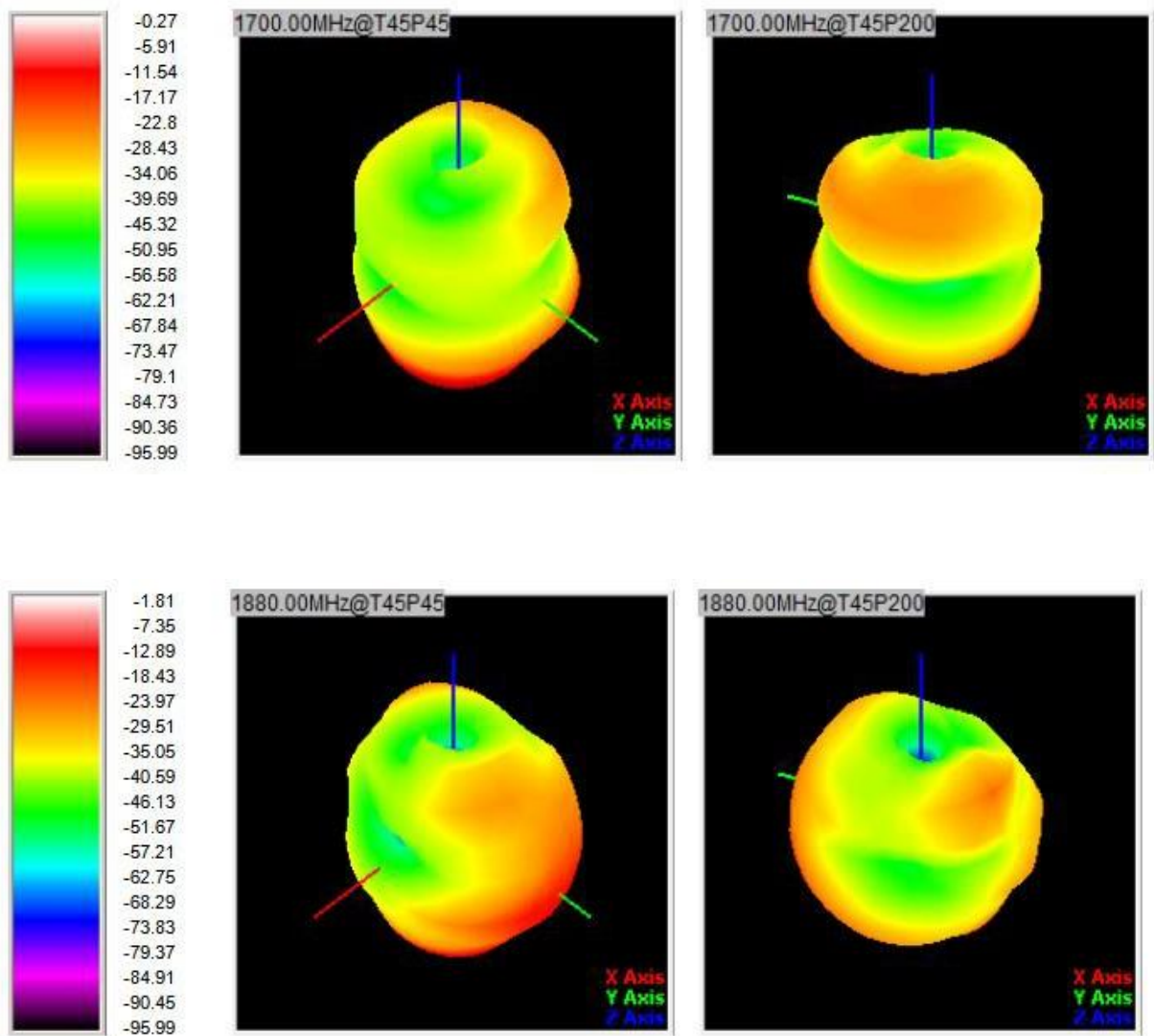
7. 3D Lobe Diagram (1)



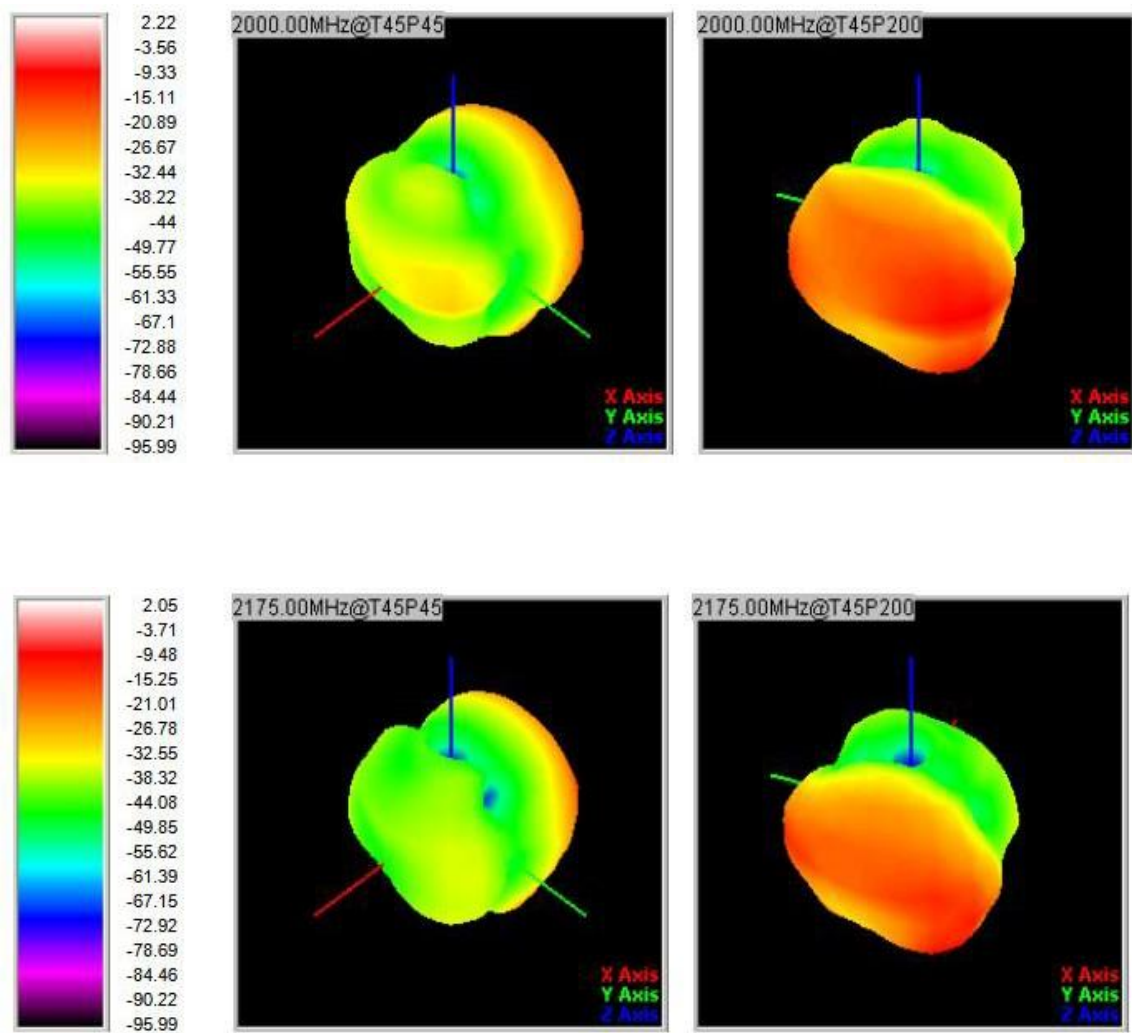
8. 3D Lobe Diagram (2)



9. 3D Lobe Diagram (3)



10. 3D Lobe Diagram (4)



11. 3D Lobe Diagram (5)

