

ShenZhen QiXinTongDa Technology Co.,Ltd.

Antenna Test Report

Client Name: OUQI

Project Name: S92C-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

RF: LI HAI LONG (137 6025 5827)

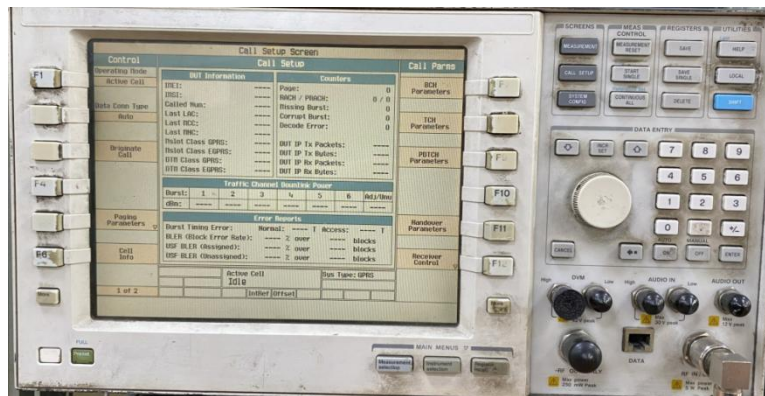
1.Test Project

	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)

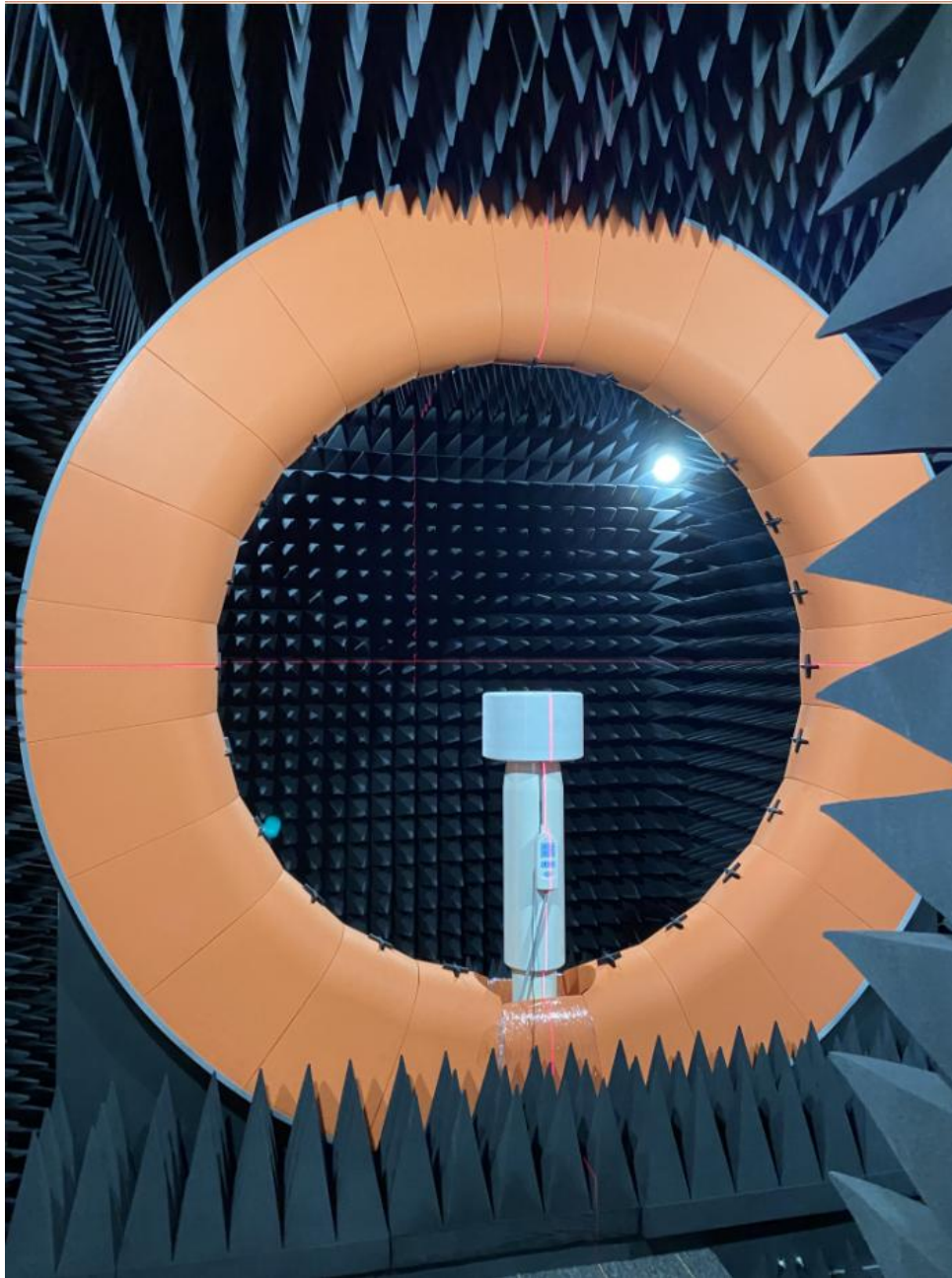


Agilent 8960 (2G/3G Test Equipment)



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

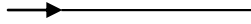
3. TestEnvironment



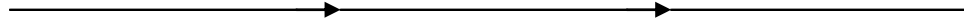
Anechoic Chamber

4.Test Steps

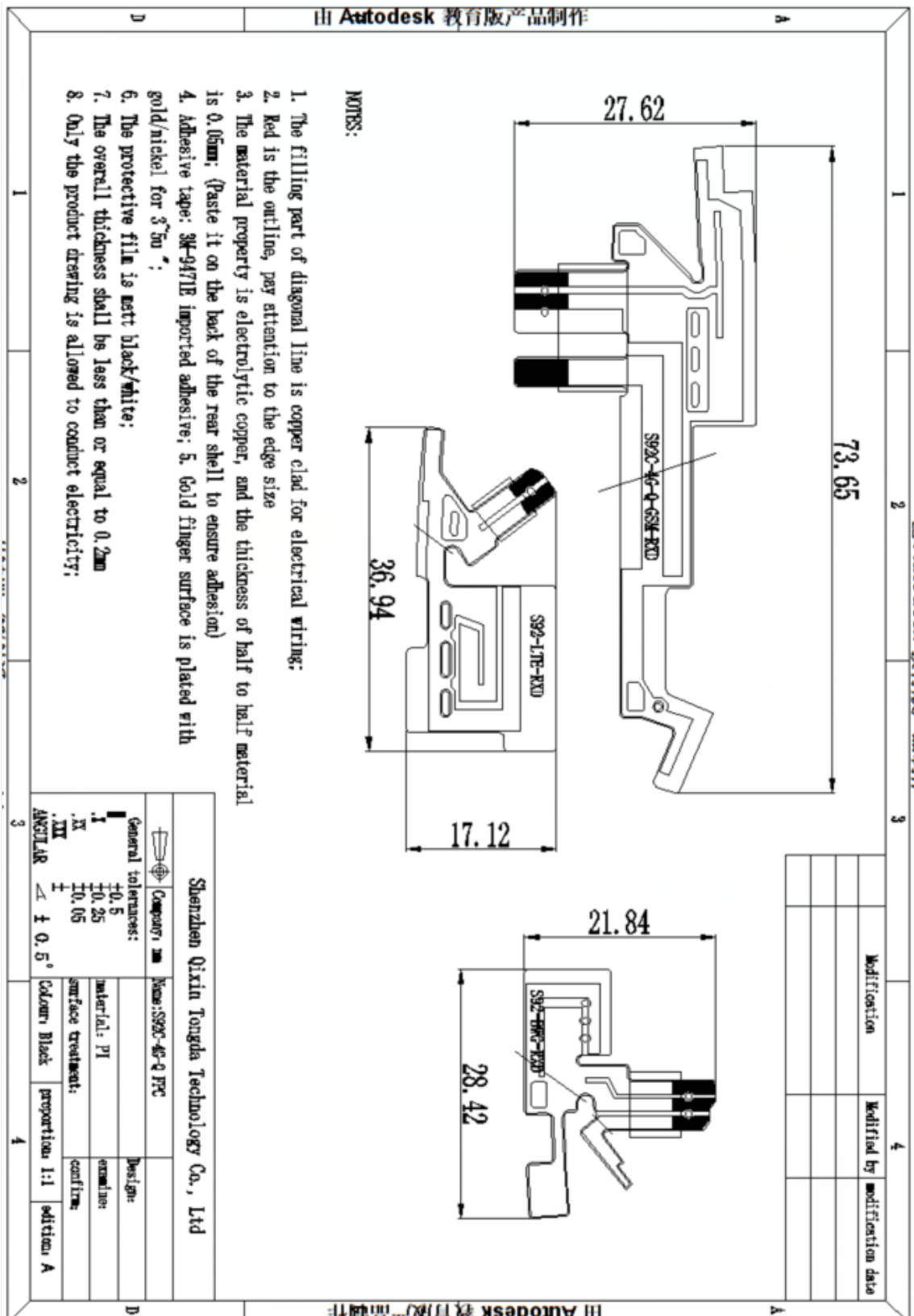
Passive VSWR/RL Test Steps:



Active TRP/TIS Test Steps:



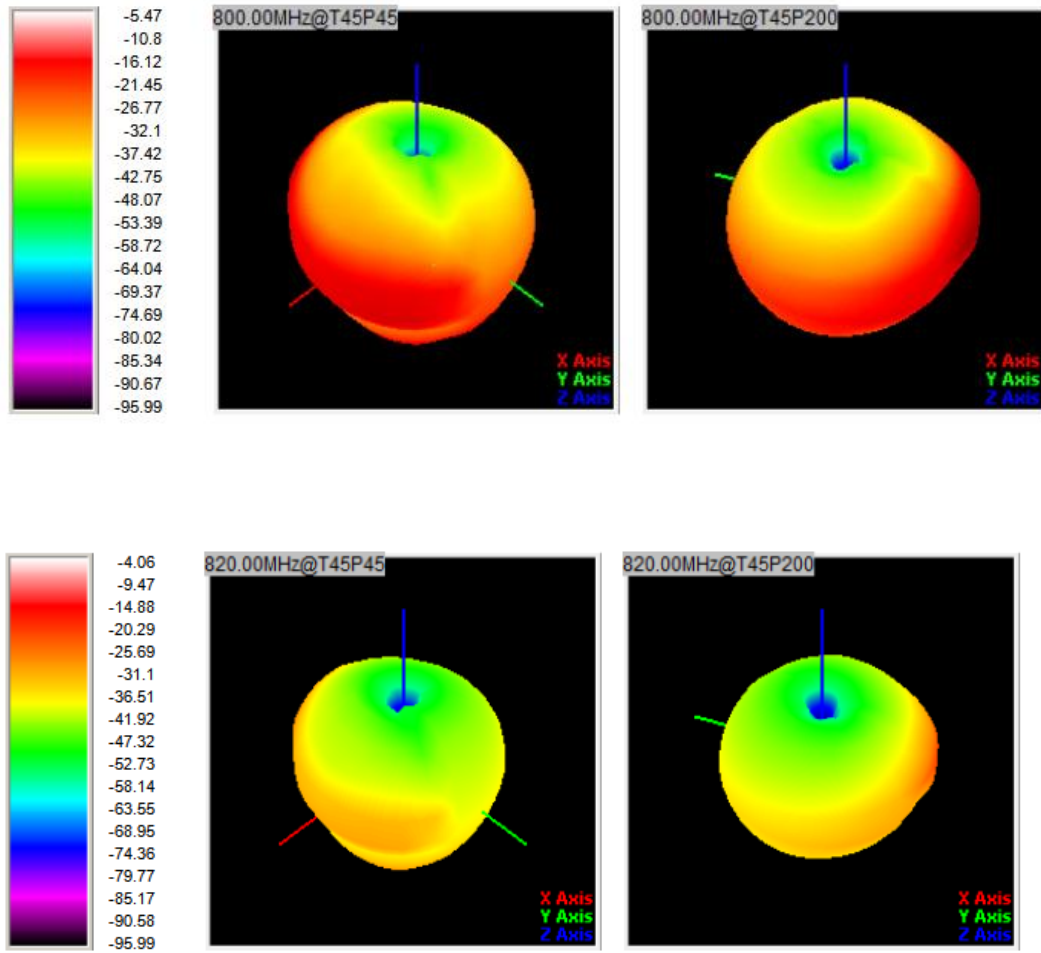
5. Antenna Dimensions



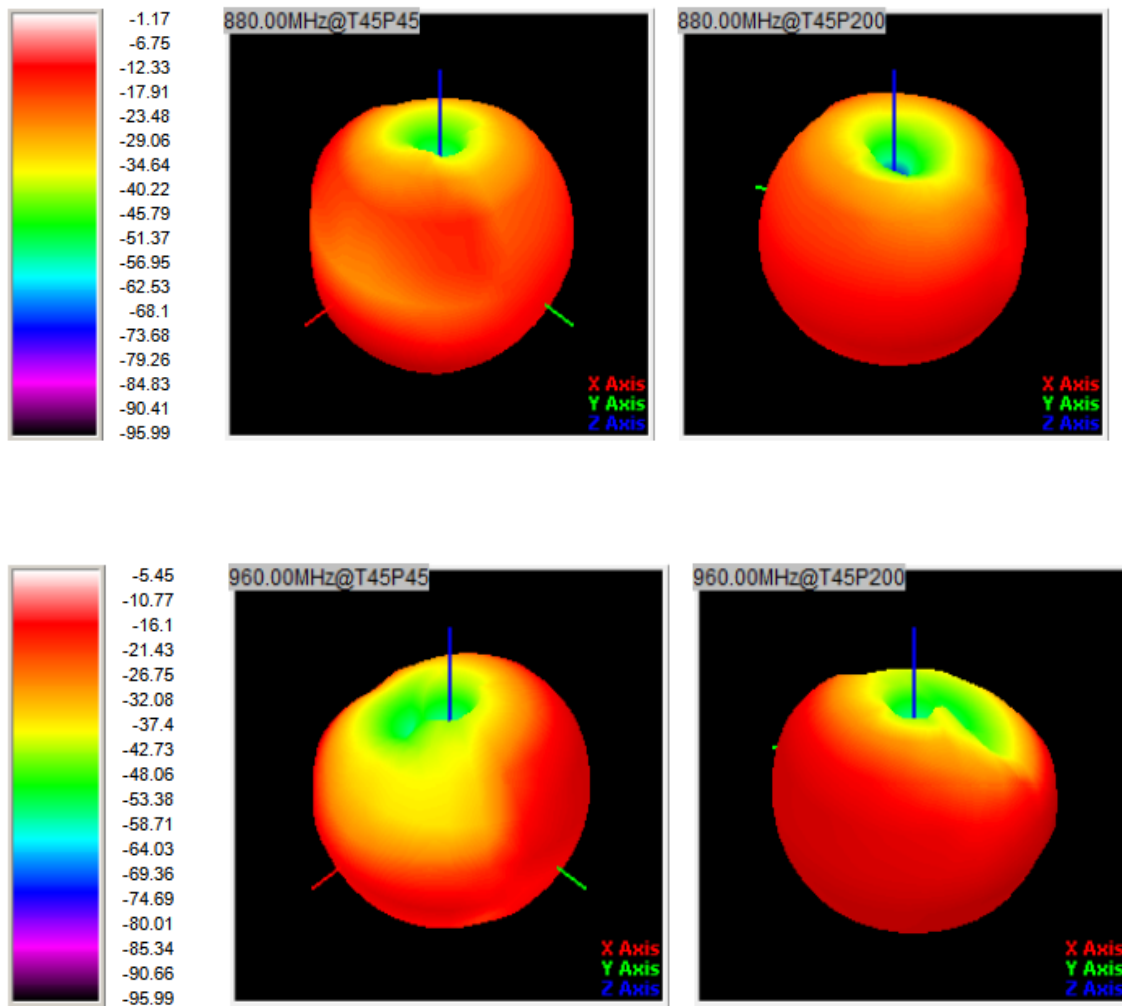
6. Antenna Gain

Frequency Band	Gain (dBi)
GSM850 (824-894MHz)	-2.3
GSM900 (880-960MHz)	-1.20
DCS1800 (1710-1880MHz)	0.20
PCS1900 (1850-1990MHz)	0.16
WCDMA850 (824-894MHz)	-2.3
WCDMA900 (880-960MHz)	-1.20
WCDMA1700 (1710-2155MHz)	0.20
WCDMA1900 (1850-1990MHz)	0.16
WCDMA2100 (1920-2170MHz)	0.18
FDD B 1 (1920-2170MHz)	0.18
FDD B 2 (1850-1990MHz)	0.16
FDD B 3 (1710-1880MHz)	0.20
FDD B 4 (1710-2155MHz)	-2.22
FDD B 5 (824-894MHz)	-2.3
FDD B 7 (2500-2690MHz)	0.15
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)	-2.35
FDD B 25 (1850-1995MHz)	0.16
FDD B 26 (814-894MHz)	-2.32
FDD B 28AB (703-803MHz)	-2.46
FDD B 66 (1700-2200MHz)	0.25

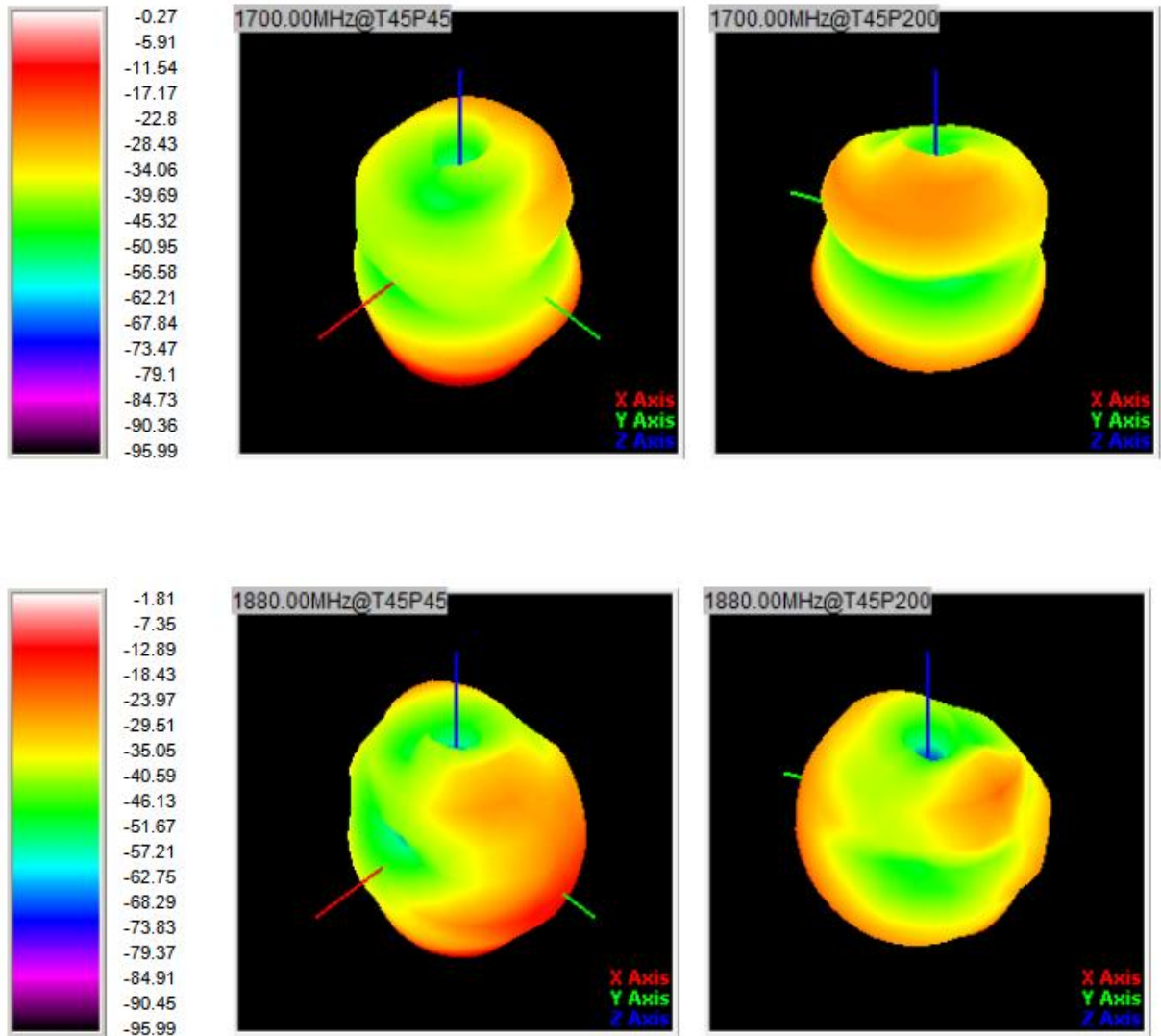
7. 3D Lobe Diagram (1)



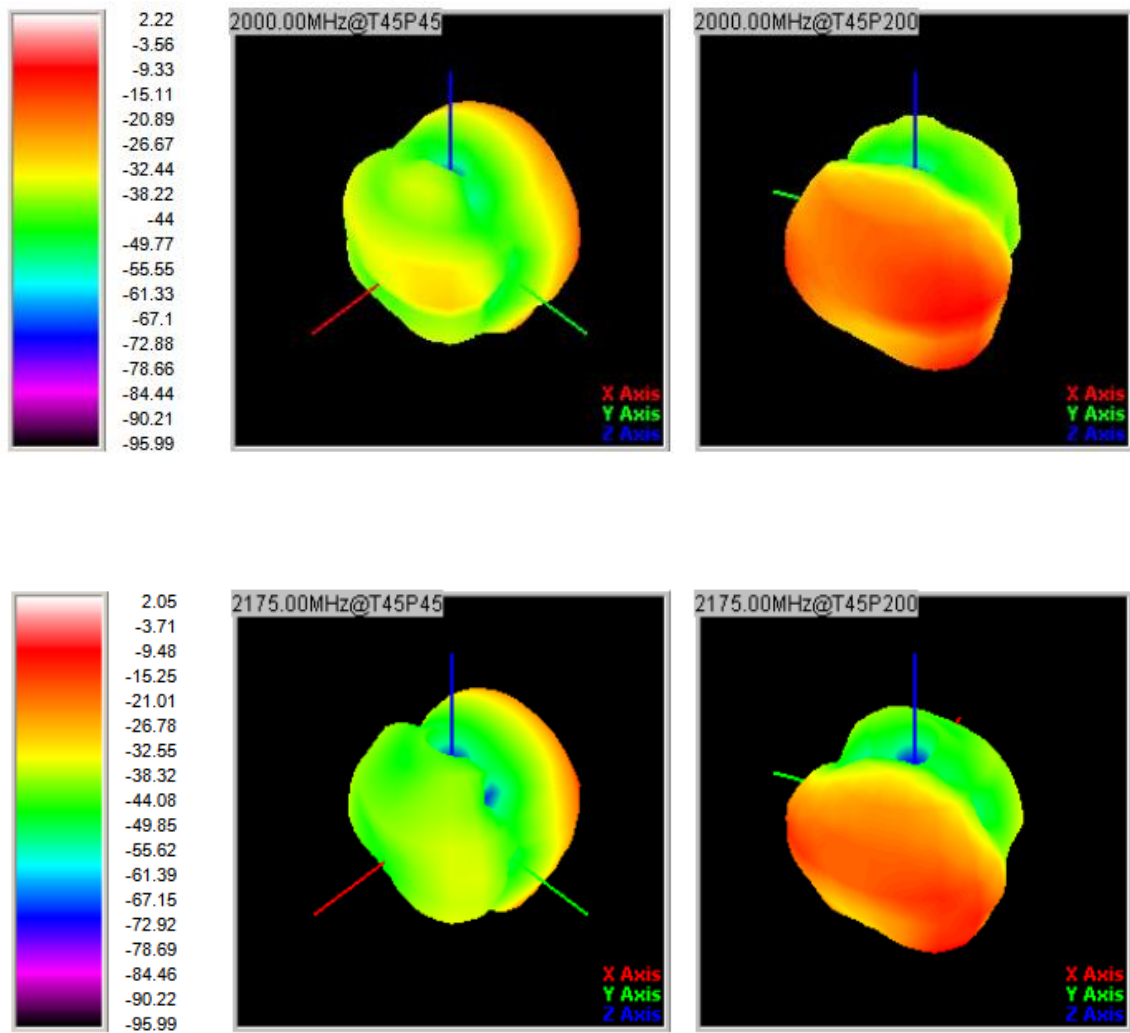
8. 3D Lobe Diagram (2)



9. 3D Lobe Diagram (3)



10. 3D Lobe Diagram (4)



11. 3D Lobe Diagram (5)

