

ShenZhen QiXinTongDa Technology Co.,Ltd.

Antenna Test Report

Client Name:

Project Name: F02

FrequencyBand: WIFI/GPS

RF: YANPEIQUAN;13316888087

DATE: 2023-07-5

1.Test Project

	Test Project	Equipment
1. S Parameter	1. Return Loss (RL) 2. VSWR	Network Analyzer: Agilent 5071B

2.Test Equipment



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

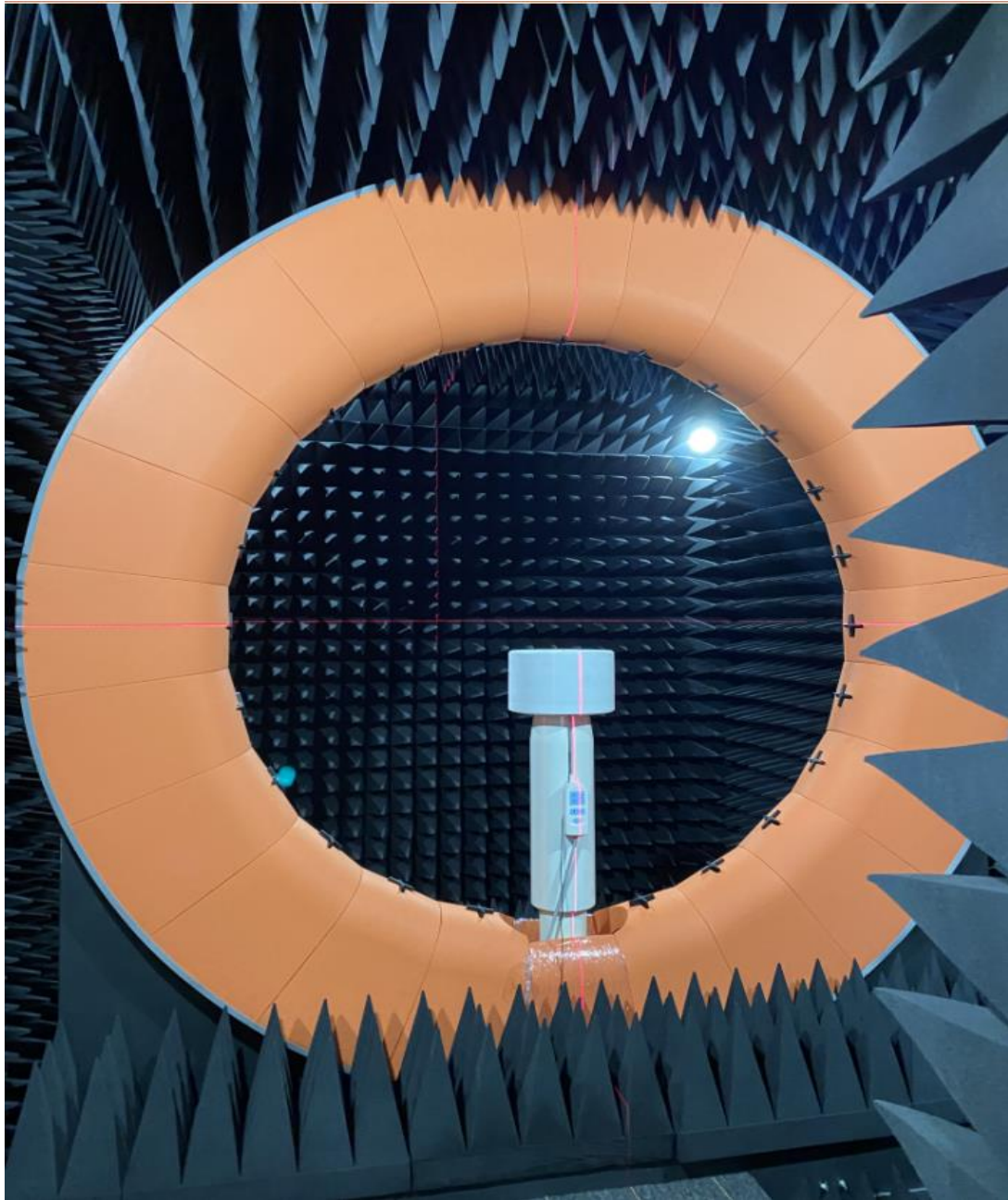


Agilent 8960 (2G/3G Test Equipment)



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

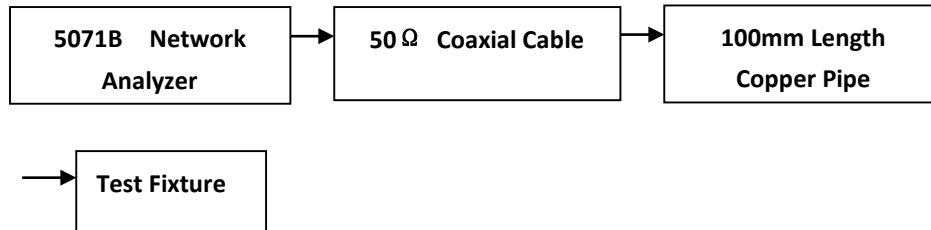
3. TestEnvironment



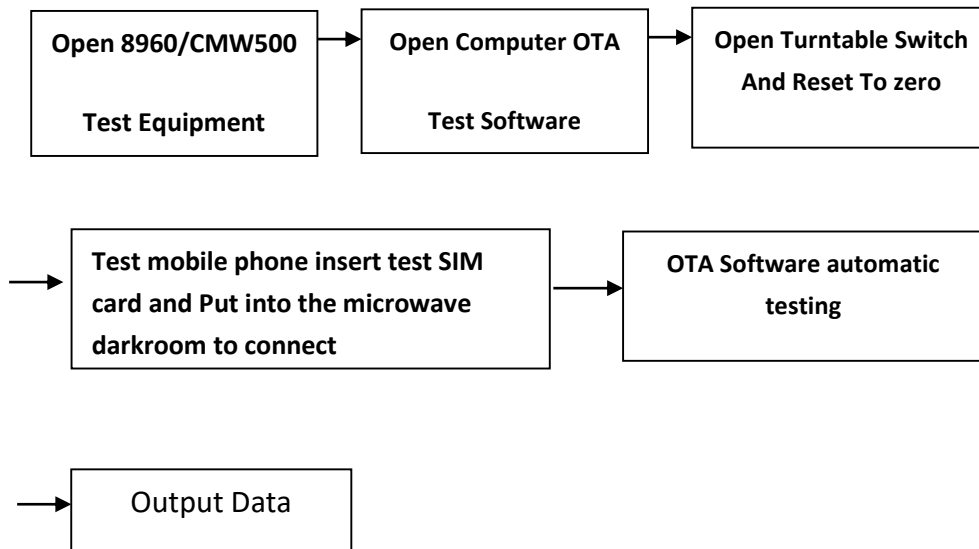
Microwave Anechoic Chamber

4.Test Steps

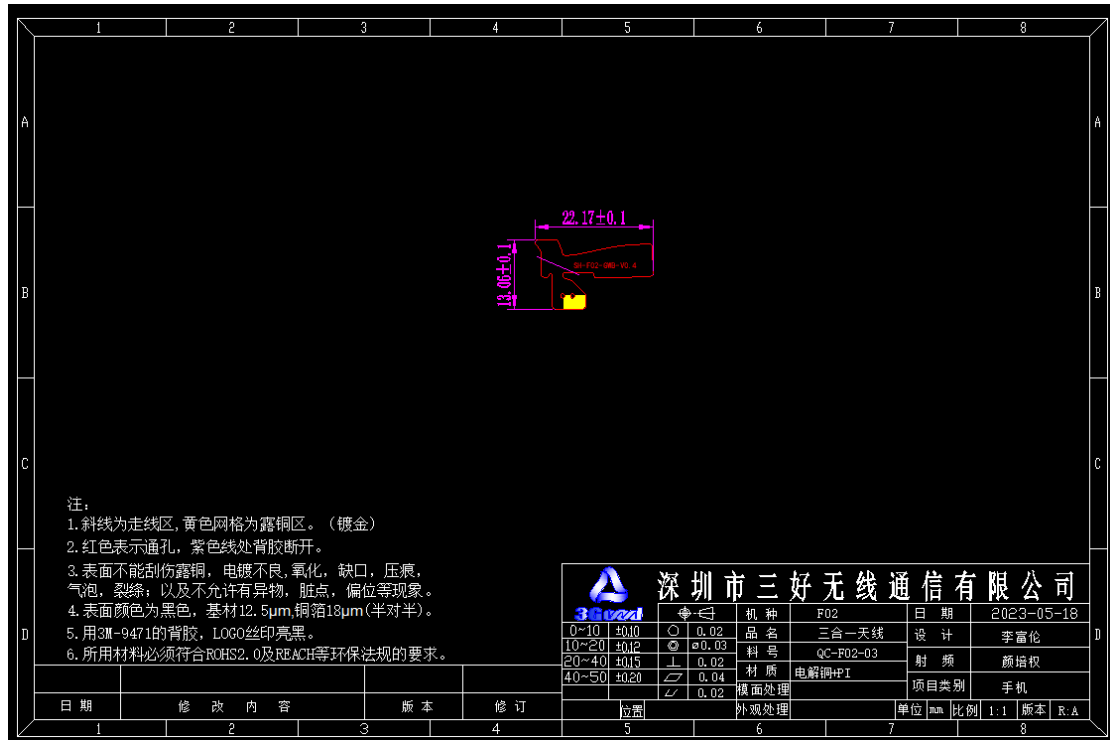
Passive VSWR/RL Test Steps:



Active TRP/TIS Test Steps:



5. Antenna Dimensions

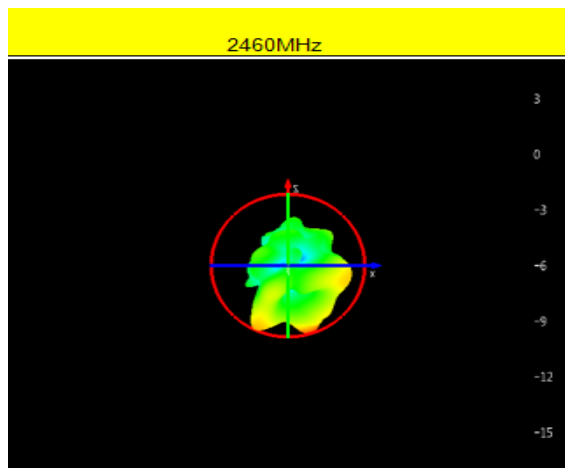
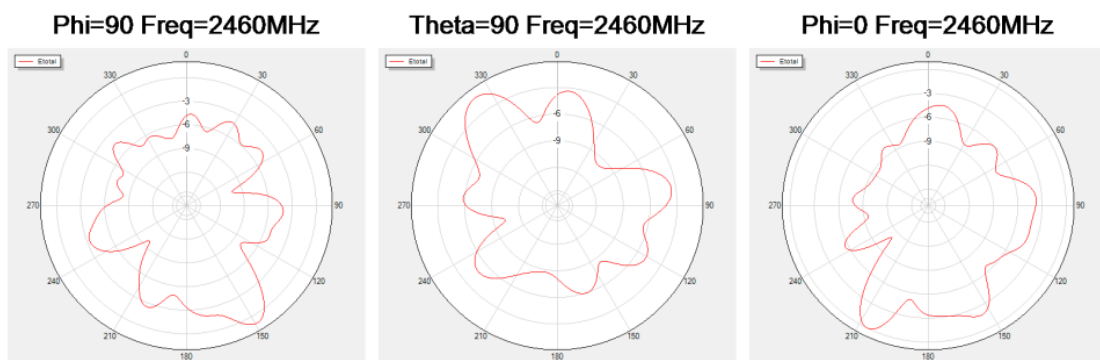


6. Antenna Gain

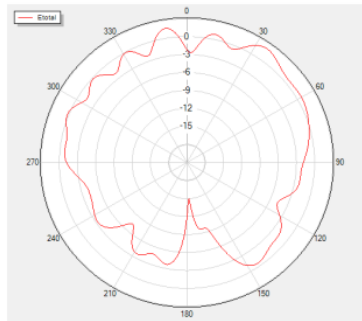
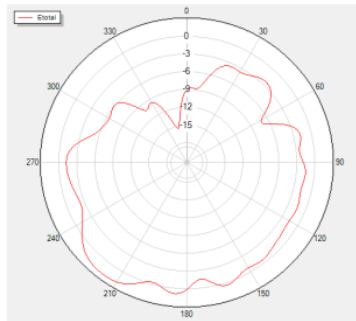
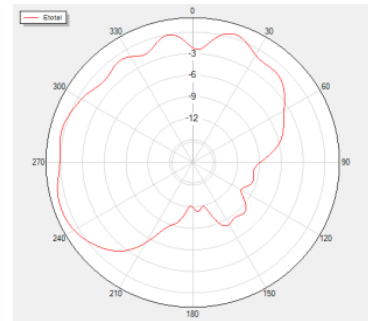
Band	Max Gain	Efficiency
Bluetooth	-0.5	35.6%
WIFI-2.4G	-0.5	35.3%
WIFI-5G	1	-30.47

7.3D Lobe Diagram

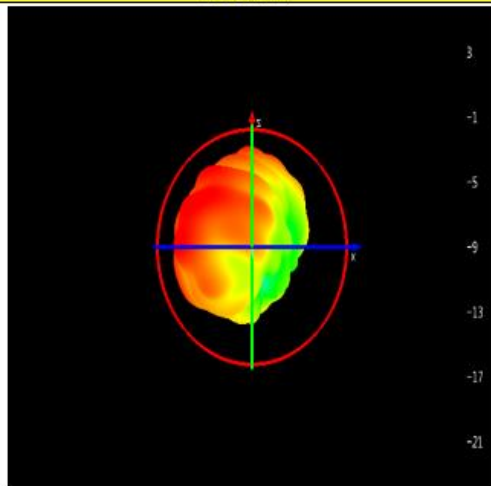
2.4G



WIFI 5G

Phi=90 Freq=5580MHz**Theta=90 Freq=5580MHz****Phi=0 Freq=5580MHz**

5580MHz



NFC

