

**ShenZhenQiXinTongDa Technology Co.,Ltd.**

## **Antenna Test Report**

**Project Name:** S6205

**Frequency Band:**

G2/3/5/8+W2/4/5+FDD-B2/B4/5/B12/B13/B66/B71+TDD-B41

GPS+BT+2.4GWIFI

**DATE:** 2023-12-04

**ADDRESS:** Room503-505,Building211,

TairanIndustrialandTradePark,Chegongmiao,FutianDistrict,Shenzhen

# 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 )	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)

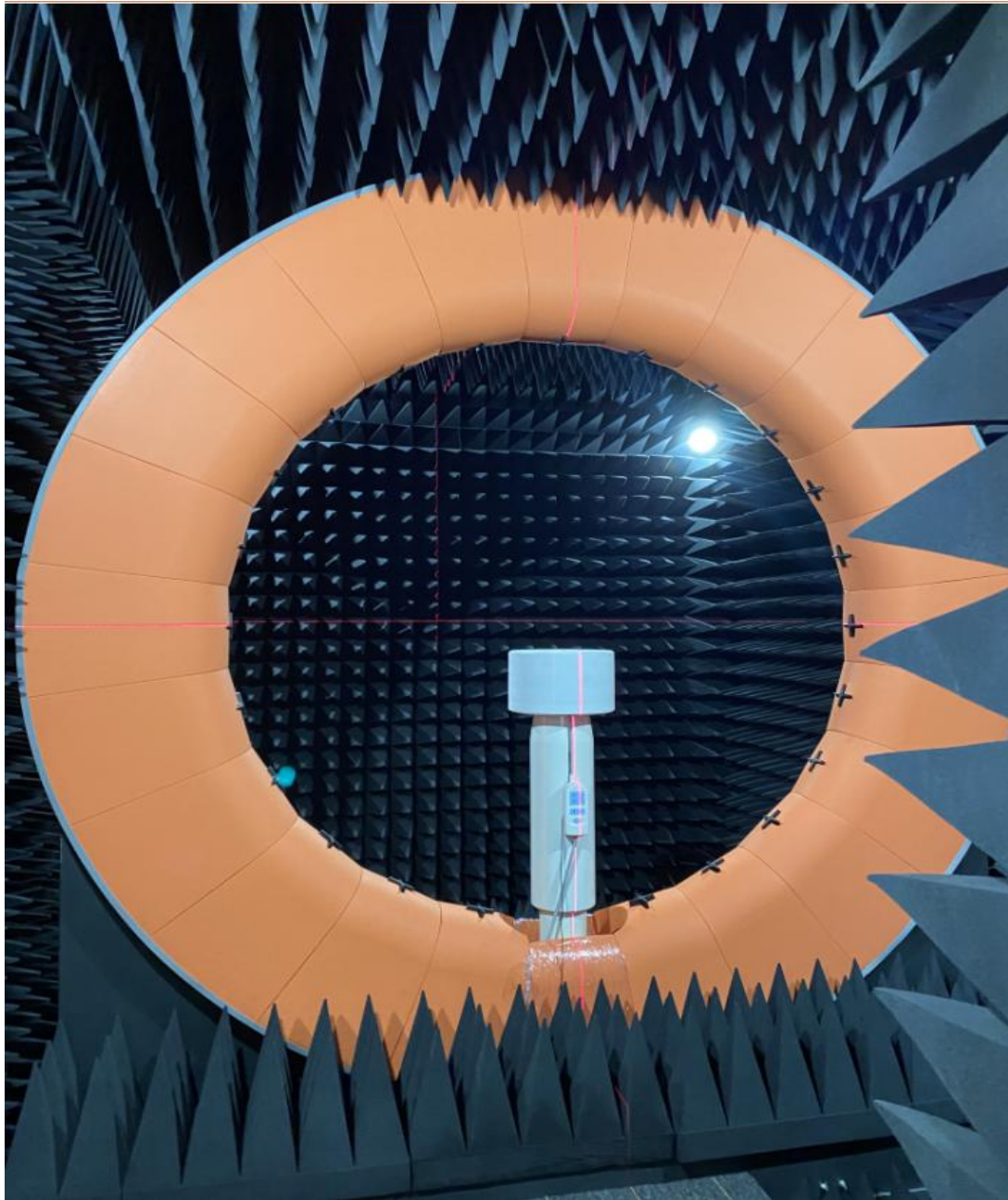


Agilent 8960 (2G/3G Test Equipment)



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

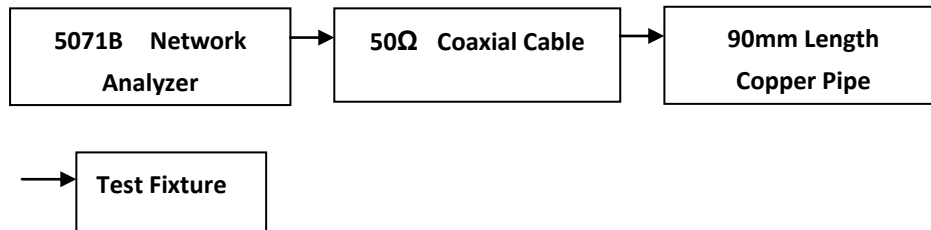
### 3. TestEnvironment



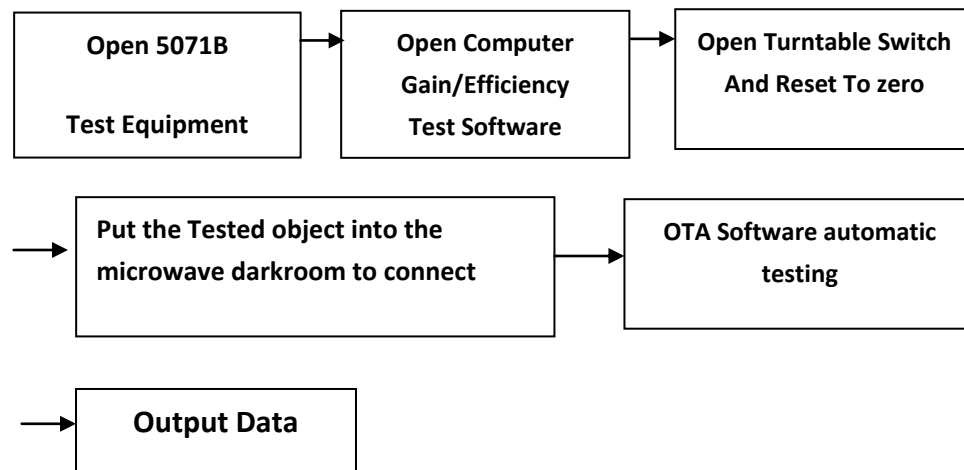
Microwave Anechoic Chamber

## 4. Test Steps

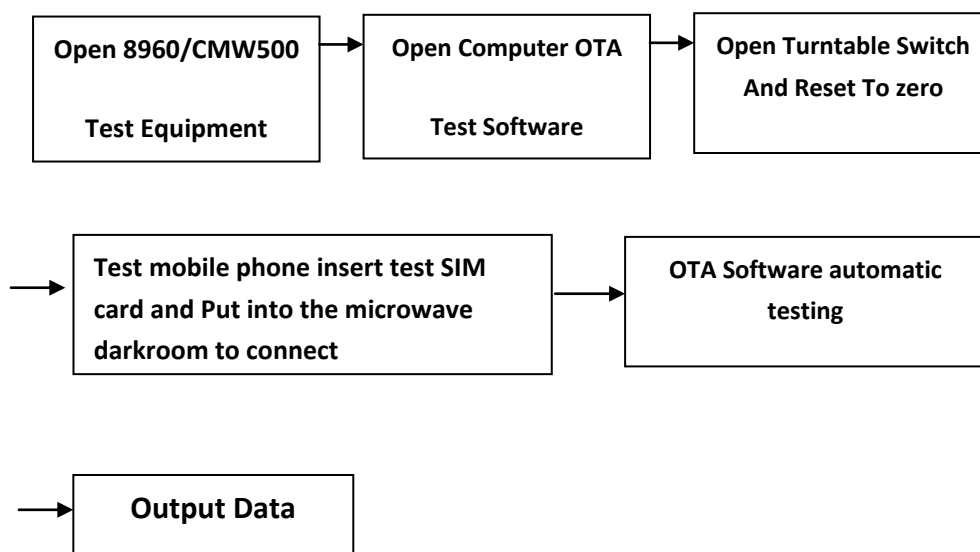
### Passive VSWR/RL Test Steps:



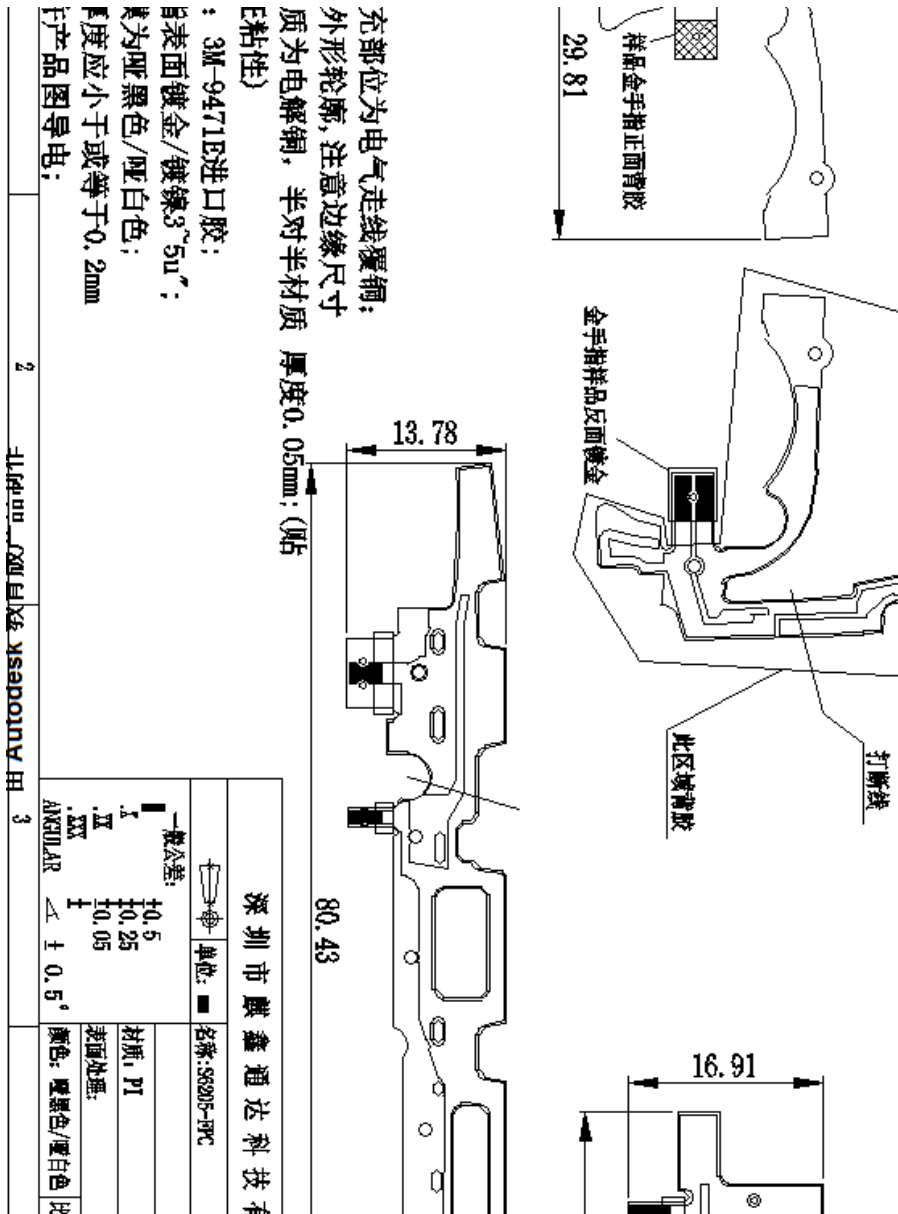
### Gain/Efficiency Test Steps:



### Active TRP/TIS Test Steps:



## 5. Antenna Dimensions

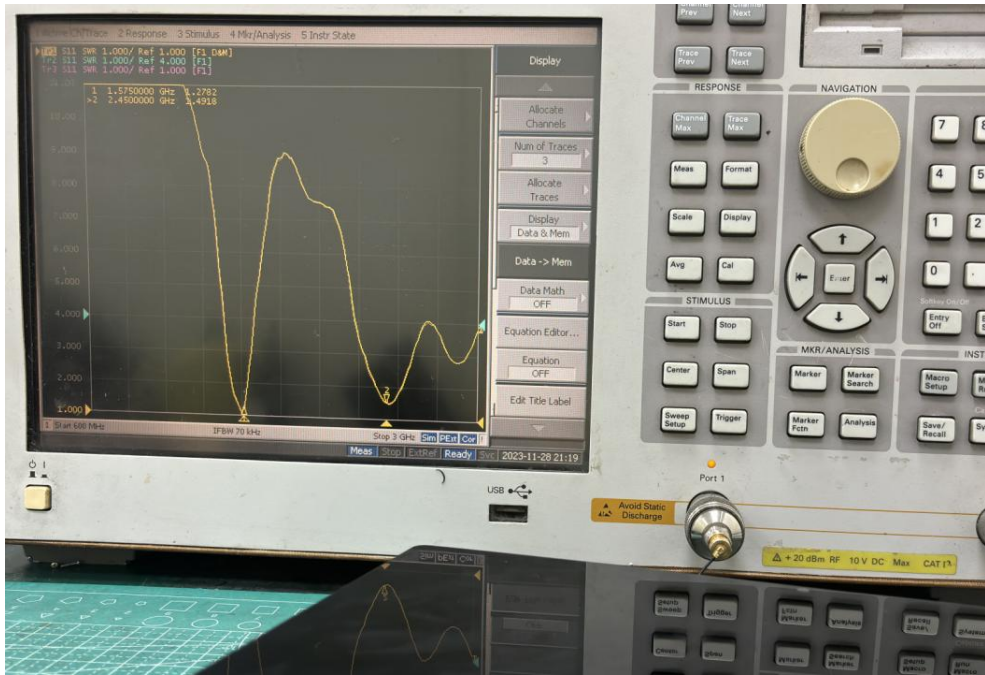


## 6. Introduction to Antenna Information

S6205	
Antenna type and frequency band	<p>1、MAIN ANTENNA (PIFA) :</p> <p>2G/3G/4G</p> <p>2、DIV ANTENNA (PIFA) :</p> <p>2G/3G/4G</p>

	<p>3、GPS/WIFI/BT ANTENNA (PIFA) :</p> <p>L1/2. 4GWIFI/BT</p>
Antenna materia	FPC

## 7.S11 SWR



(GPS+2.4GWIFI/BT)

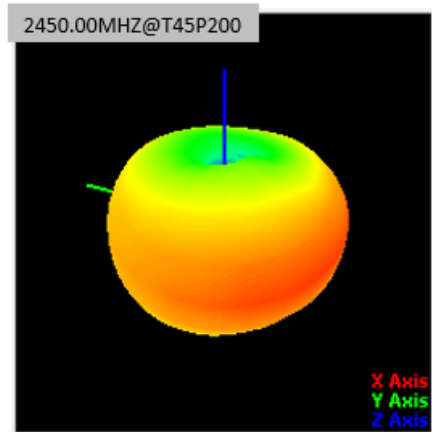
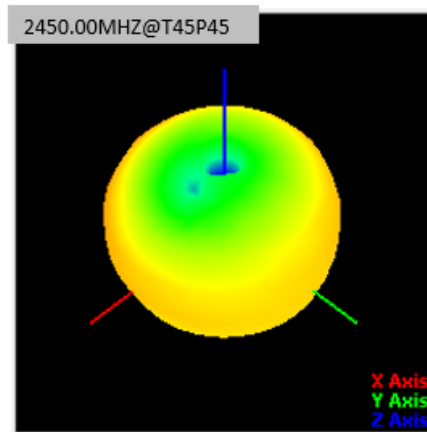
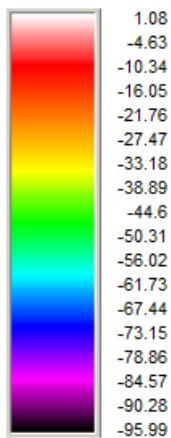
## 8. Antenna Gain

S6205-GAIN	
Frequency Band	Gain (dBi)
GSM850 (824-894MHz)	-2.31
GSM900 (880-960MHz)	-1.62
DCS1800 (1710-1880MHz)	-0.74
PCS1900 (1850-1990MHz)	-0.85
WCDMA B5 (824-894MHz)	-2.31

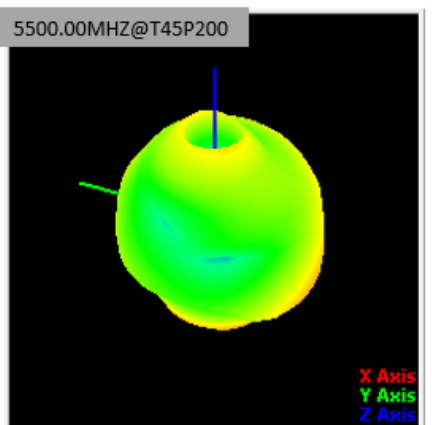
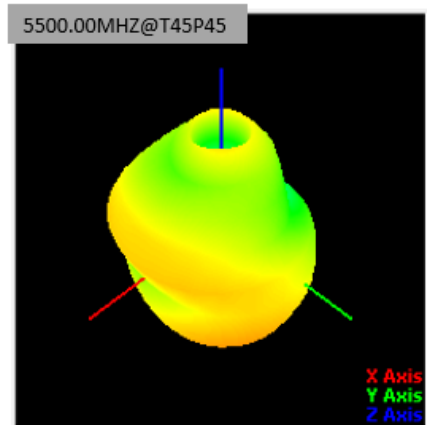
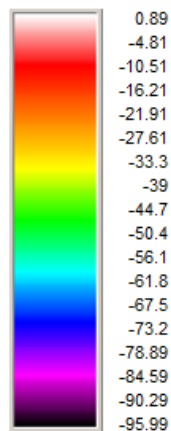
WCDMA B4 (1710-2155MHz)	-0.74
WCDMA B2 (1850-1990MHz)	-0.85
FDDB2 (1850-1990MHz)	-0.86
FDDB4 (1710-2155MHz)	-0.74
FDDB5 (824-894MHz)	-2.31
FDDB12 (699-746MHz)	-2.67
FDDB13 (746-787MHz)	-2.22
FDDB66 (1700-2200MHz)	-0.71
FDDB71 (617-698MHz)	-2.14
TDDB41 (2496-2690MHz)	-0.36
GPS	0.68
WIFI	1.08
5GWIFI	0.89

## 9.3D antenna orientation diagram

### 2.4G-WIFI



### 5G-WIFI





1.575G-GPS

