

ShenZhen QiXinTongDa Technology Co.,Ltd.

Antenna Test Report

客户: 启昌

项目: F07

GSM: B2/B3/B5/B8

CDMA:BC0/BC1/BC10

WCDMA: B1/B2/B4/B5/B8/B6/B19

TDD:B38/B40/B41

FDD:B1/B2/B3/B4/B5/B7/B8/B12/B13/B17/B18/B19/B20/B25/B26/B28/B6
6/B71

5G:n1/n2/n3/n5/n7/n8/n12/n20/n25/n28/n38/n40/n41/n66/n71/n77/n78

日期: 2025-04-01

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 (2/3/4/5G)	1. power 2. level 3. TRP/TIS	Comprehensive Test: SP9500/CMW500/8960 Test Environment: Anechoic Chamber

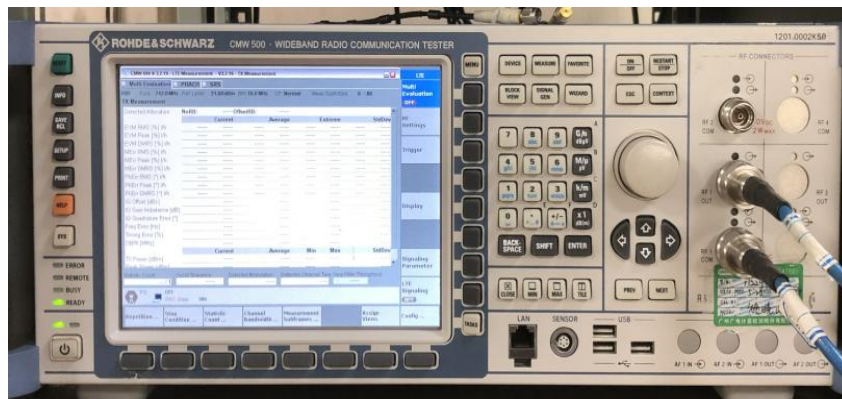
2. Test Equipment



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



Agilent 8960 (2G/3GTest Equipment)

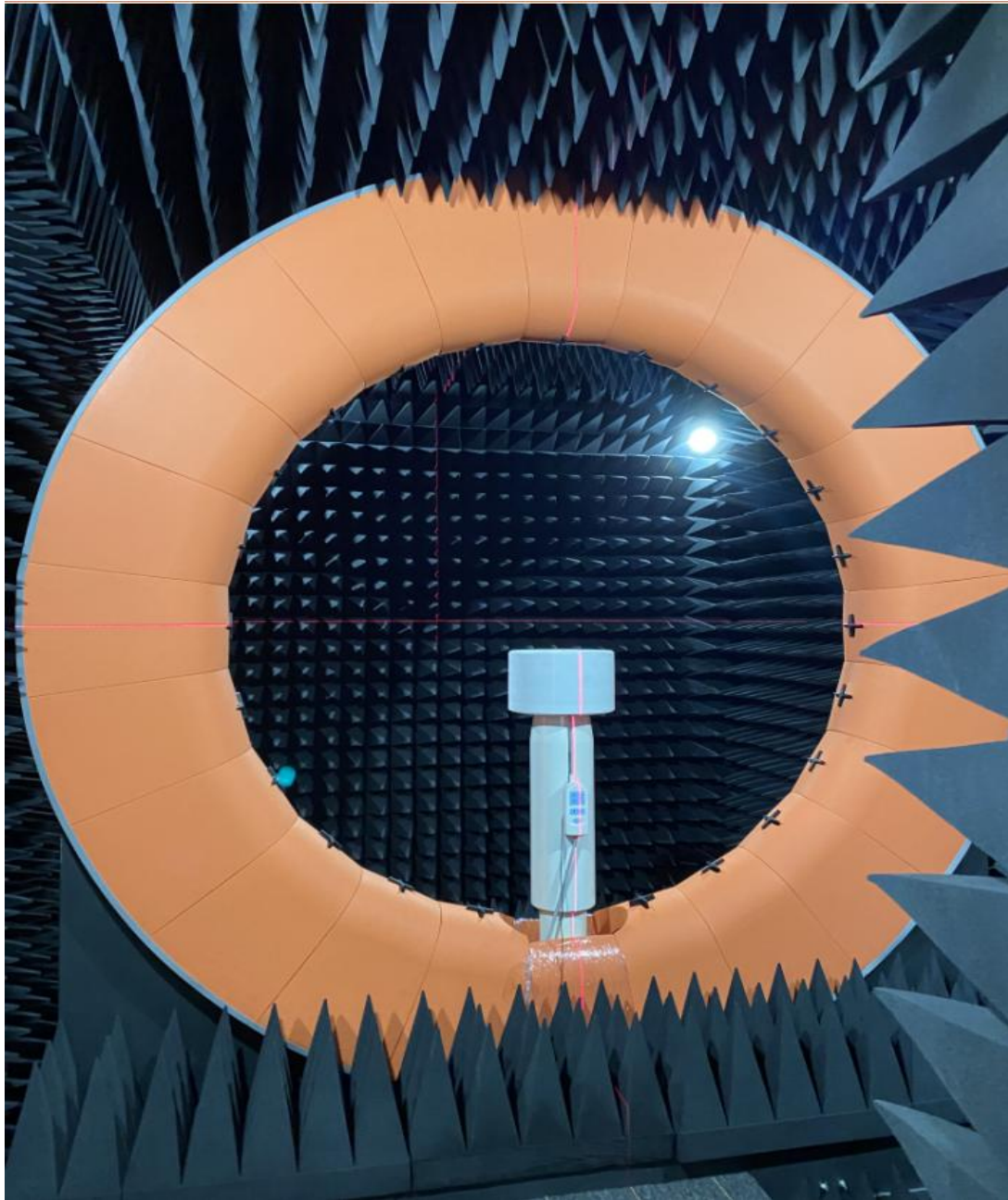


CMW 500 (2G/3G/4GTest Equipment)



SP9500 (5GTest Equipment)

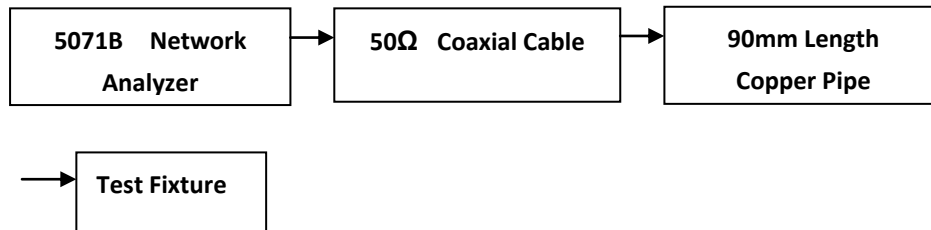
3. TestEnvironment



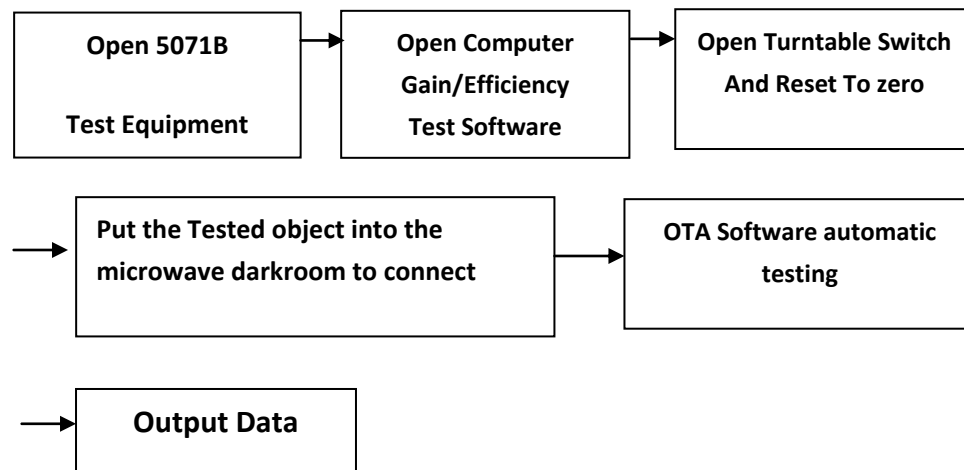
Microwave Anechoic Chamber

4.Test Steps

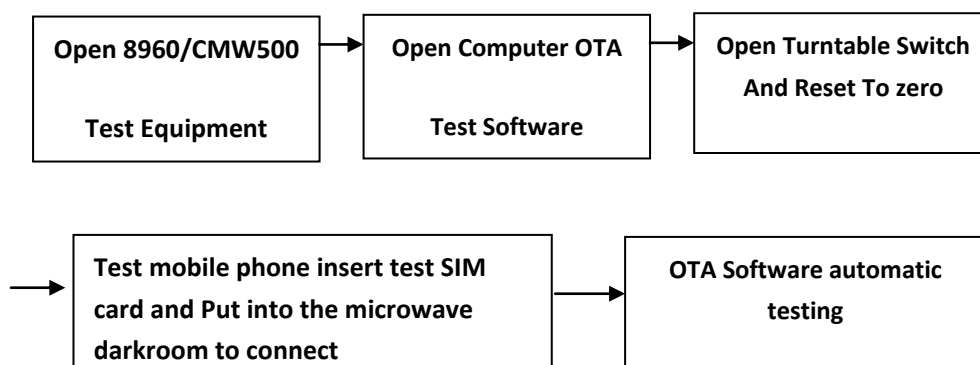
Passive VSWR/RL Test Steps:



Gain/Efficiency Test Steps:



Active TRP/TIS Test Steps:



5. Antenna Dimensions

Bill Item	Bill Qty	Material	Unit



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NOTES:

1. The filling part of diagonal line is copper clad for electrical wiring;
2. Red is the outline, pay attention to the edge size
3. The material property is electrolytic copper, and the thickness of half to half material is 0.05mm; (Stick to the back of the rear shell to ensure adhesion)
4. Adhesive tape: 3M-9471E imported adhesive;
5. Gold finger surface gold/nickel plating 3 μ m ;
6. The protective film is matte black/white;
7. The overall thickness shall be less than or equal to 0.2mm
8. Only the product drawing is allowed to conduct electricity;

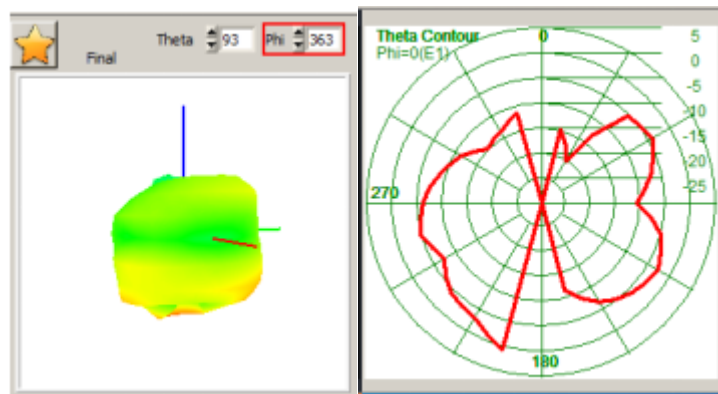
Shenzhen Qixin Tongda Technology Co., Ltd			
GENERAL TOLERANCE	mm	mm	mm
I	±0.5	±0.25	±0.1
II	±0.25	±0.15	±0.05
III	±0.1	±0.05	±0.02
IV	±0.05	±0.02	±0.01
Surface treatment	Surface treatment	Surface treatment	Surface treatment
Color: matte black	position 1:1	position 1:1	position 1:1
Material: A	Material: A	Material: A	Material: A

6. Antenna Gain

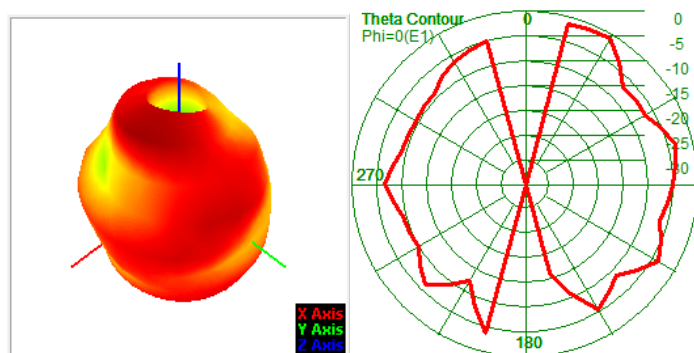
[illegible]

7.3D Lobe Diagram

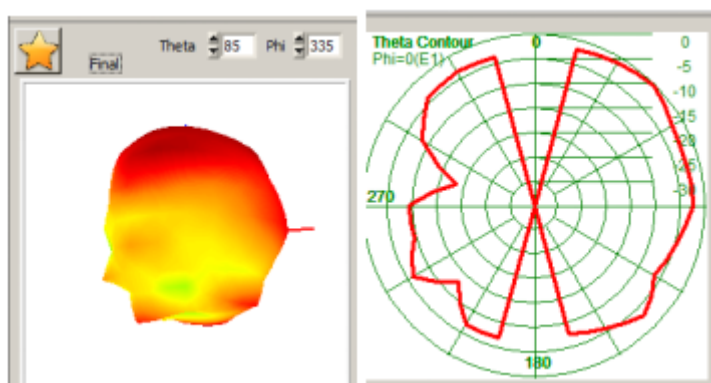
GPS-L1



GPS-L5



BT/WIFI-2.4



5G-WIFI

