

ShenZhen QiXinTongDa Technology Co.,Ltd.

Antenna Test Report

Project Name: T03

FrequencyBand:

WIFI2.4-5.8G BT

DATE: 2025-02-14

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)

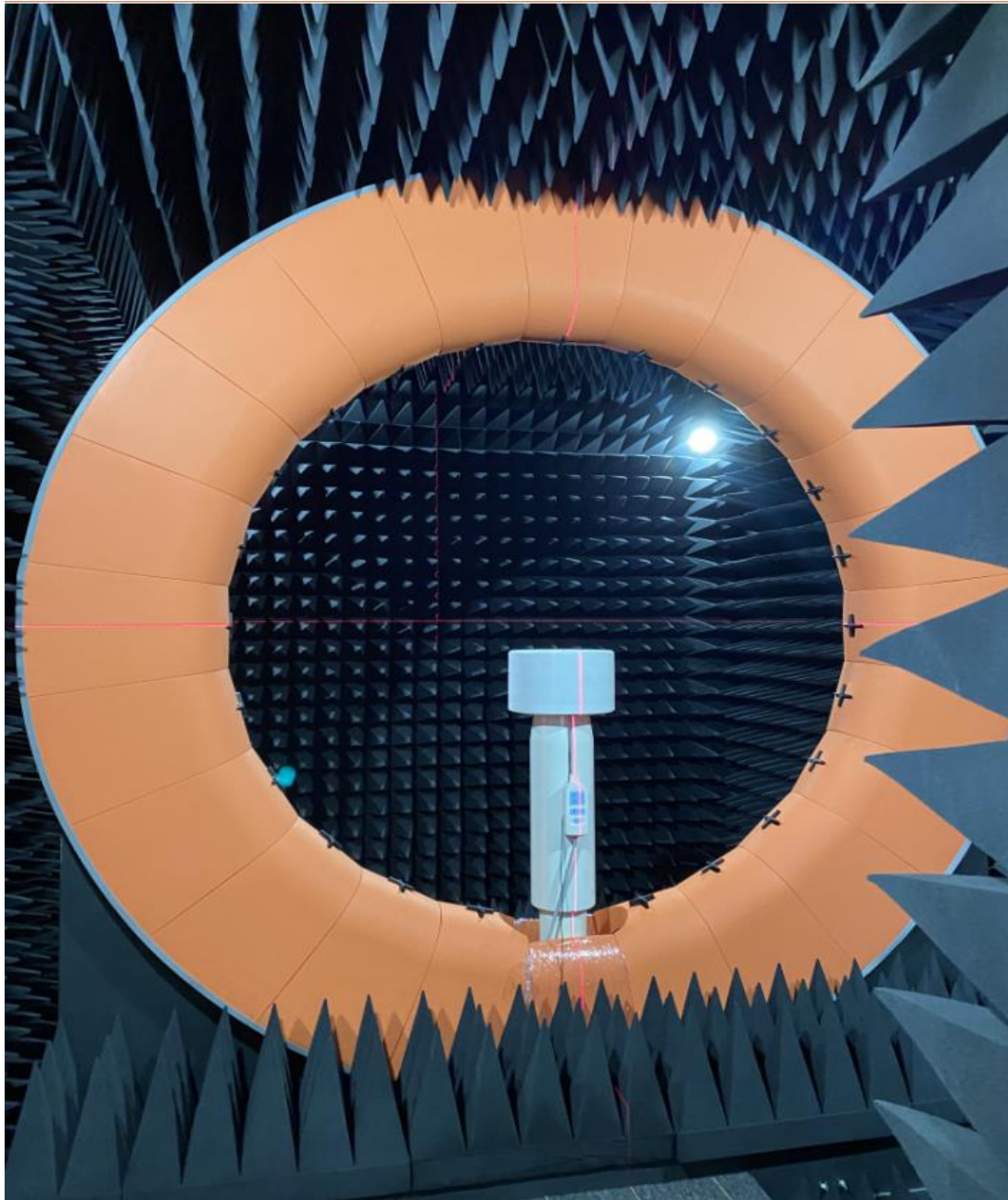


Agilent 8960 (2G/3G Test Equipment)



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

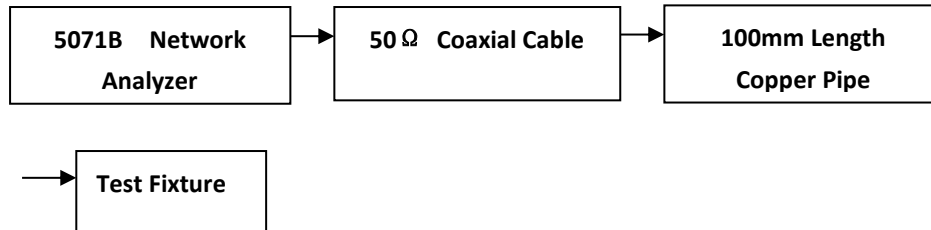
3. TestEnvironment



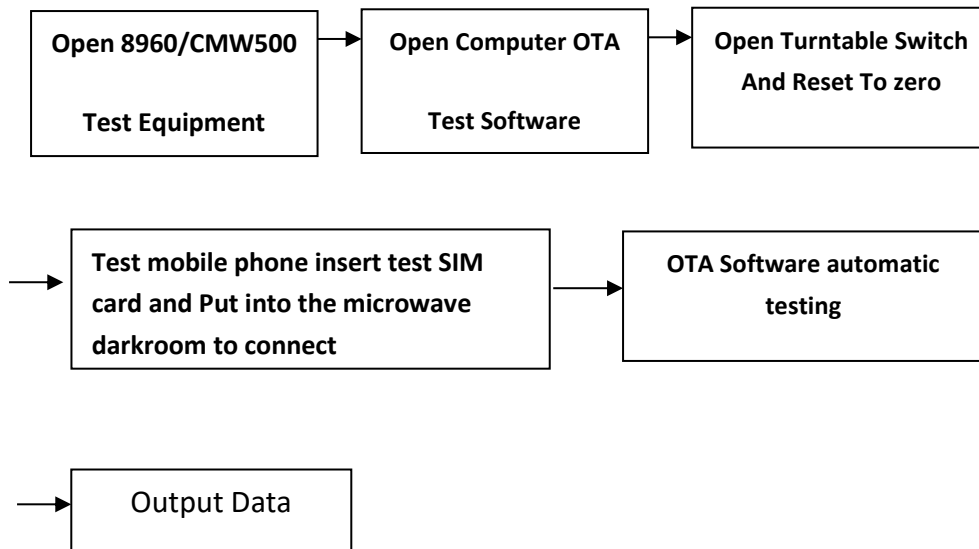
Microwave Anechoic Chamber

4.Test Steps

Passive VSWR/RL Test Steps:



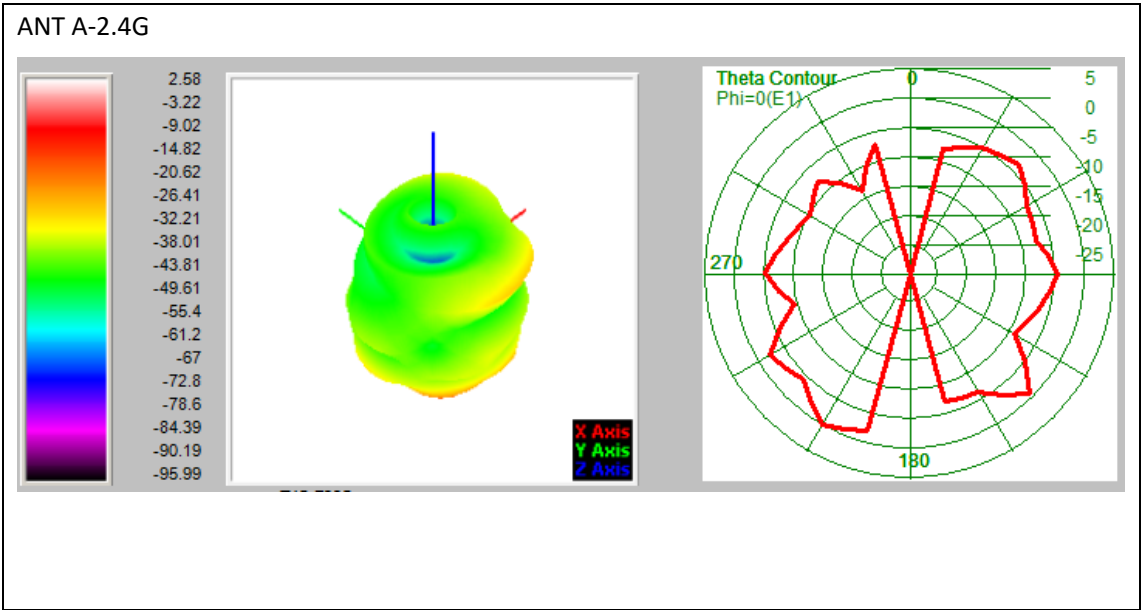
Active TRP/TIS Test Steps:



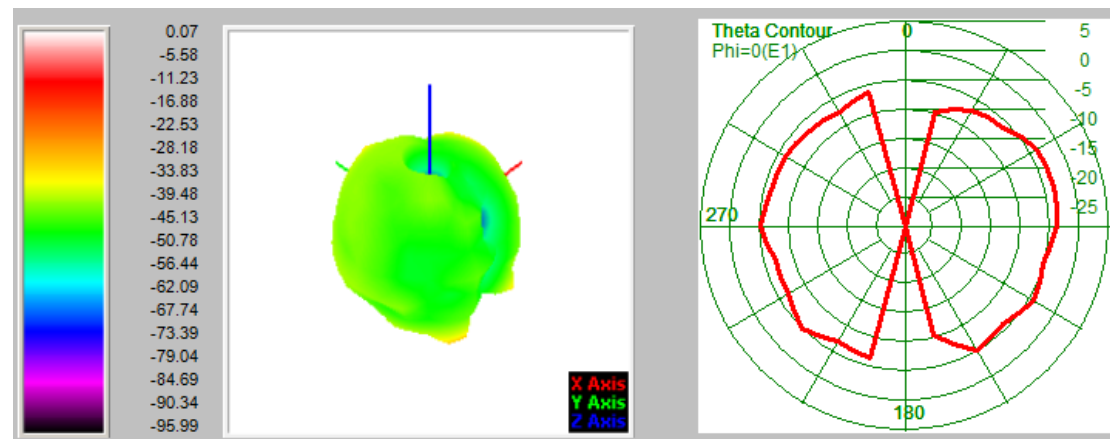
5.Antenna Gain

ANT A		ANT B	
Band	Max Gain	Band	Max Gain
Bluetooth (2400-2500MHZ)	2.58	/	/
WIFI-2.4G (2400-2500MHZ)	2.58	WIFI-2.4G (2400-2500MHZ)	1.33
WIFI-5.1G (5150-5250MHZ)	0.07	WIFI-5.1G (5150-5250MHZ)	1.11
WIFI-5.8G (5700-5850MHZ)	-1.83	WIFI-5.8G (5700-5850MHZ)	-0.75

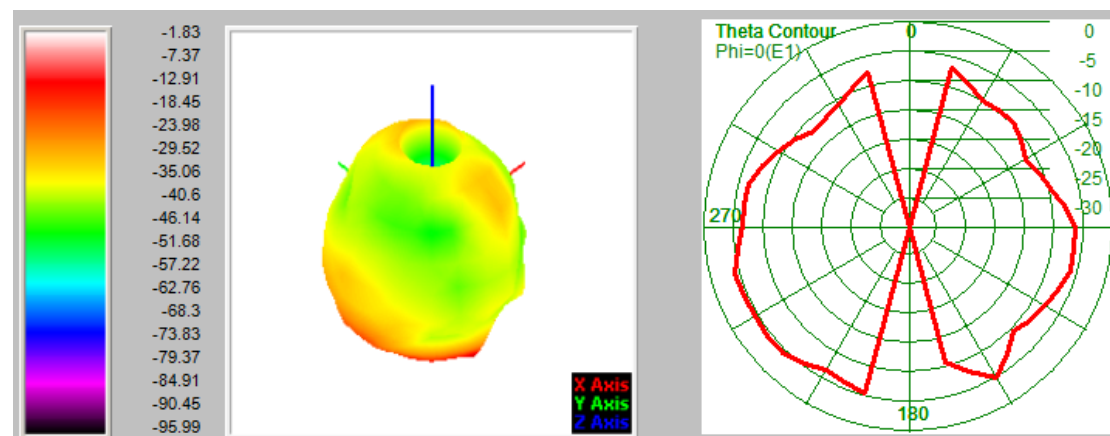
6.2D&3D Lobe Diagram



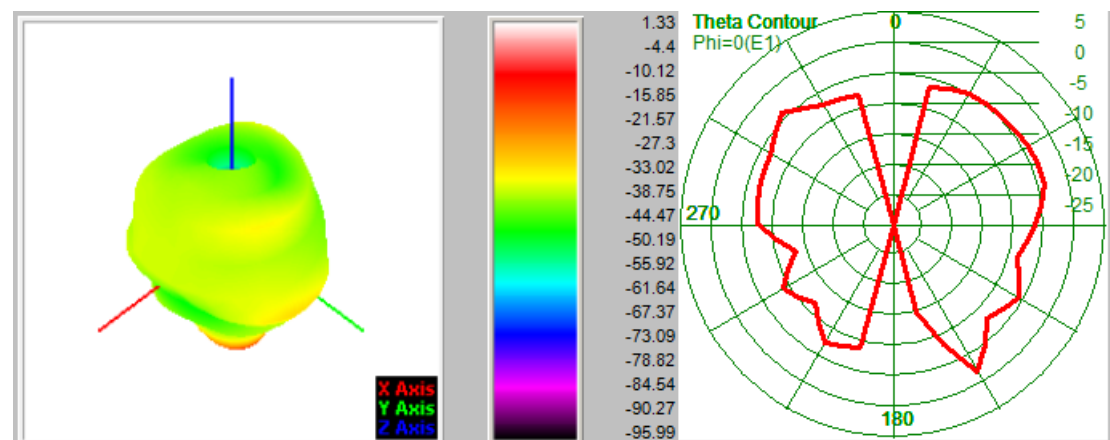
ANT A-5.1G-WIFI



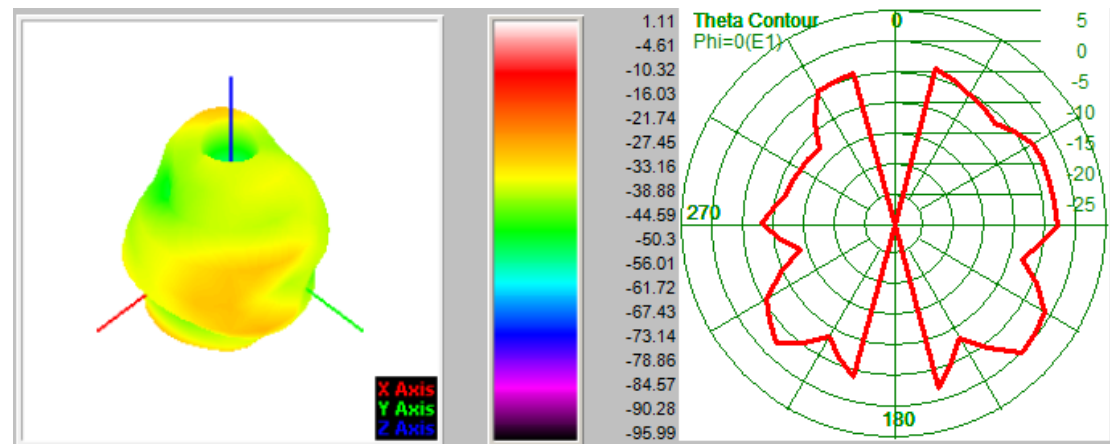
ANT A-5.8G-WIFI



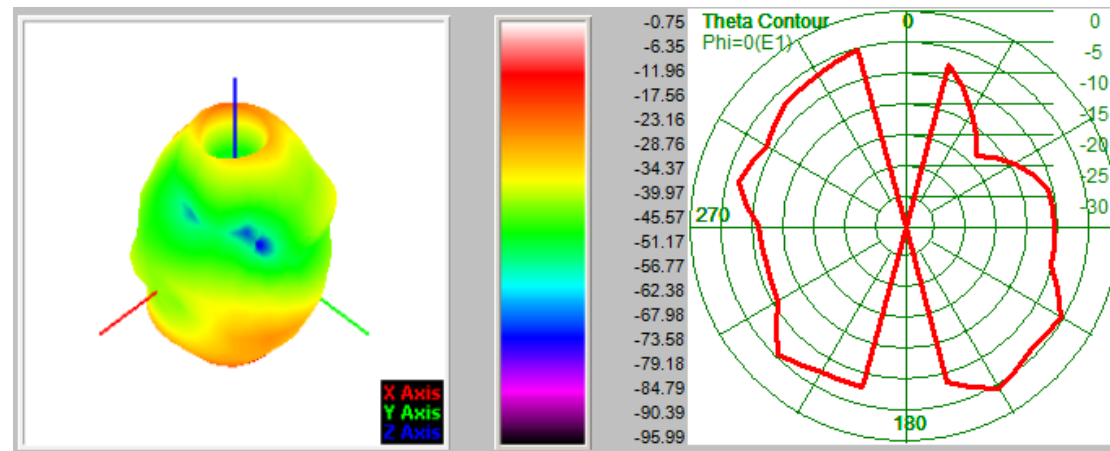
ANTB: 2.4GWIFI



ANTB-5.1GWIFI



ANTB-5.8GWIFI



7.Antenna drawing

