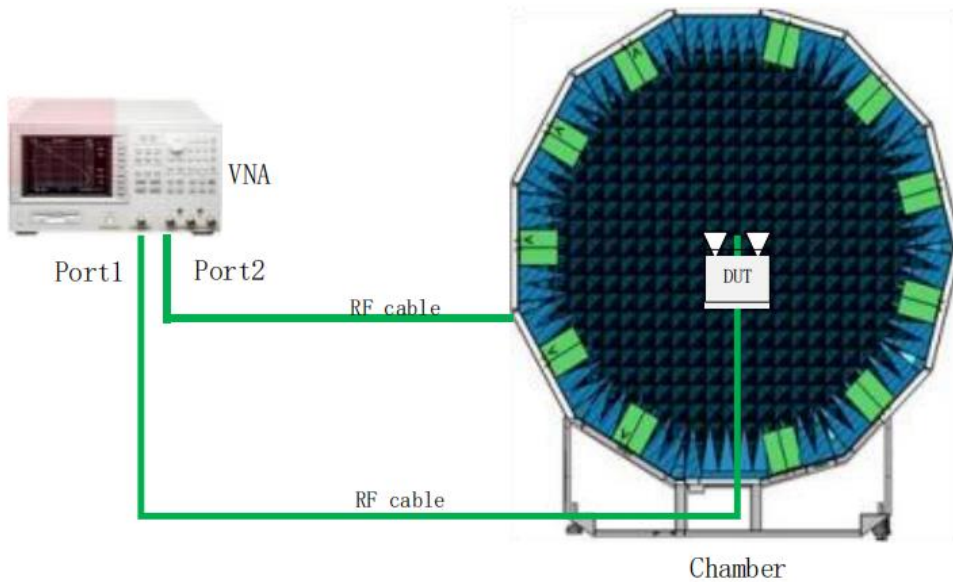


Type and shape of antenna	IFA Antenna
Directional characteristics	Omni-directional
Deflection Characteristics of Antenna	Linear
Type of connection with transmitter	antenna shrapnel
Manufacturer	Zhongtianxun Communication Technology Co., LTD
Measuring Organization	Zhongtianxun Communication Technology Co., LTD

1.EUT Reference Setup

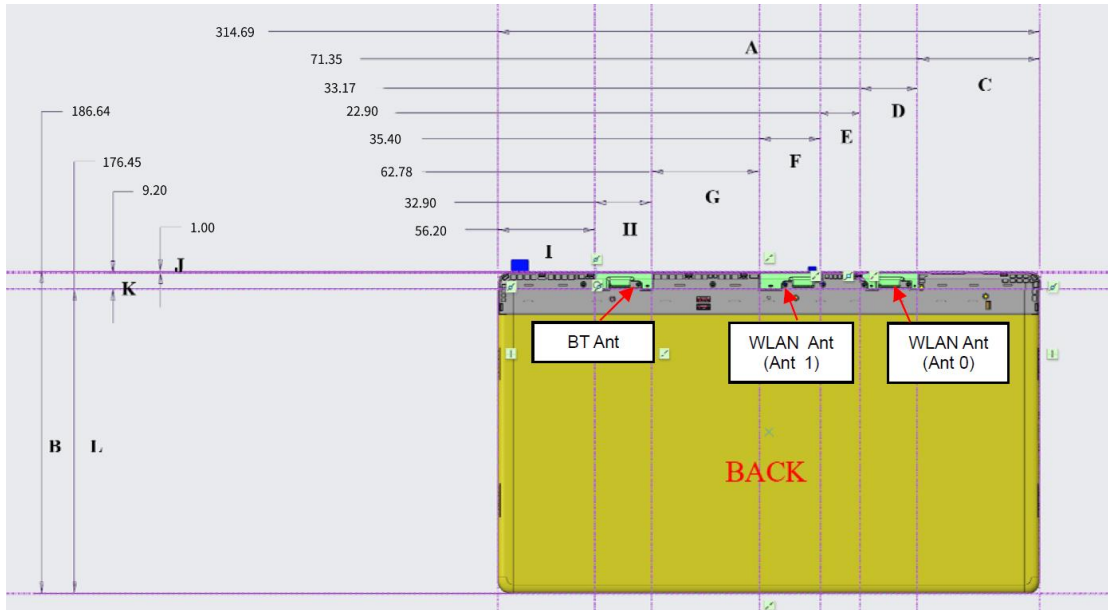


Tester	Chenzhiqiang
Actual date of testing	2023-02-10
Test description	Use an anechoic chamber to measure the radiation pattern and antenna gain. The GTS laboratory operates at 0.6-5.9GHz. The chamber's reflection level in the range of 0.6GHz to 5.9 GHz is typically ≤ 25 dB. Standard dipoles are used to calibrate for path loss and magnetic ring lines are used to suppress feeder emissions, so we can measure antenna gain.

Test Equipment List

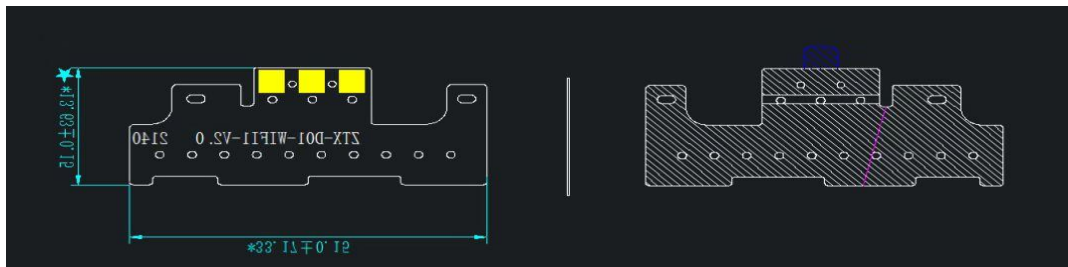
Name of test equipment	Model	Manufacturer	Cal.Due Date	Calibtation Interval
Pattern Measurement Software	General Test	Ray Zone 1800	NA	NA
Network Analyzer	Agilent	E5071B	2023-12-25	One year

2. Antenna distribution



3. Antenna Pattern

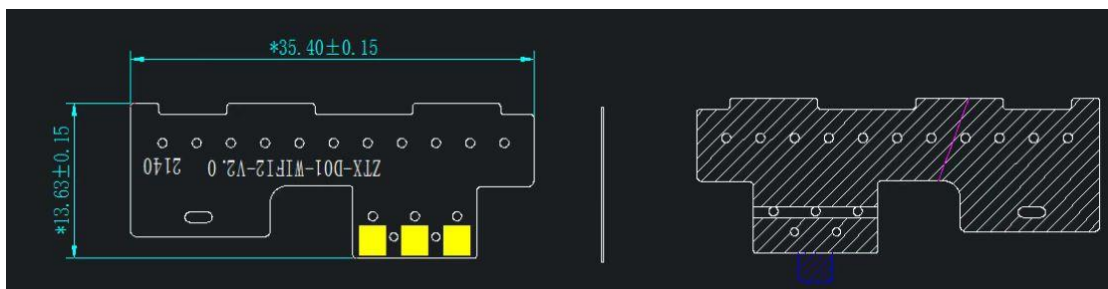
ANT0



Front

Back

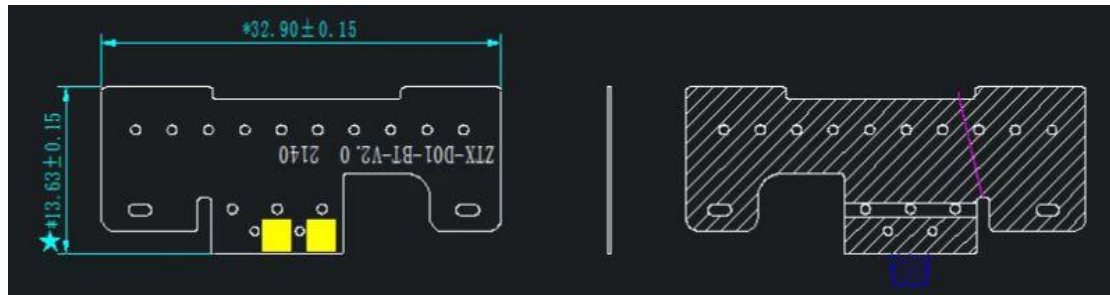
ANT1



Front

Back

BT



Front

Back

4. Antenna Gain

ANT0. Antenna Gain:

Frequency (MHz)	Gain (dBi)
2400	-1.7
2450	-1.9
2500	-2.0
5150	-3.1
5550	-3.2
5850	-2.9

ANT1. Antenna Gain:

Frequency (MHz)	Gain (dBi)
2400	-1.4
2450	-1.7
2500	-1.9
5150	-2.8
5550	-3.1
5850	-3.0

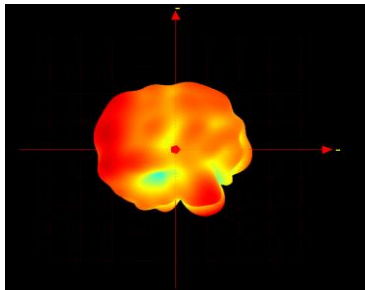
BT.Antenna Gain:

Frequency (MHz)	Gain (dBi)
2400	-1.8
2450	-2.1
2500	-1.6

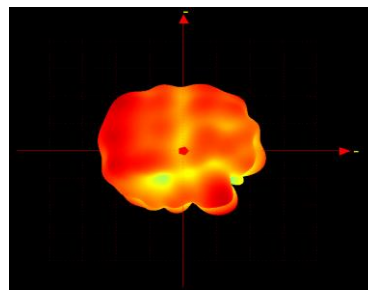
5.3D map

ANT0

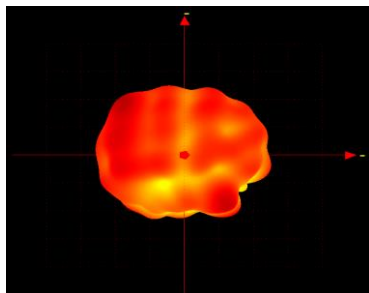
2400MHz



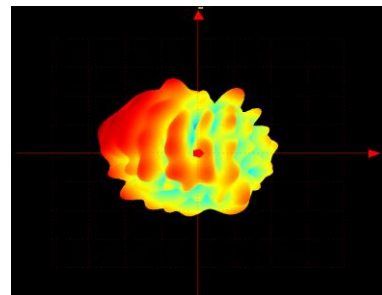
2450MHz



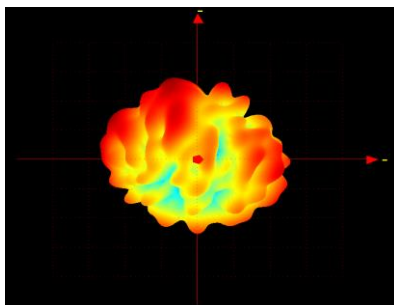
2500MHz



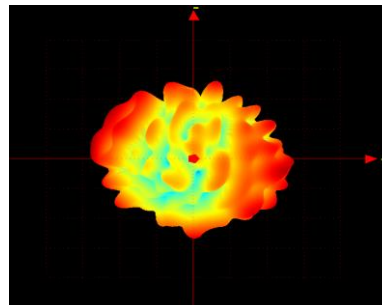
5150MHz



5550MHz

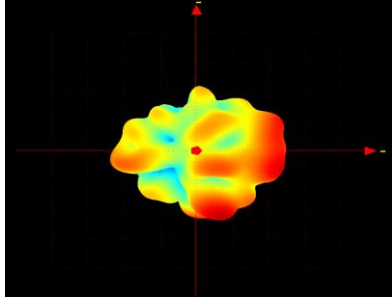


5850MHz

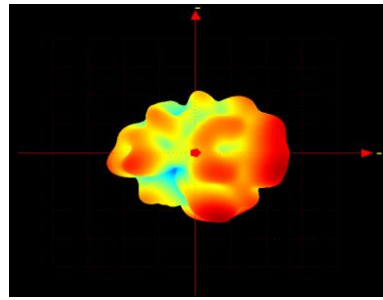


ANT1

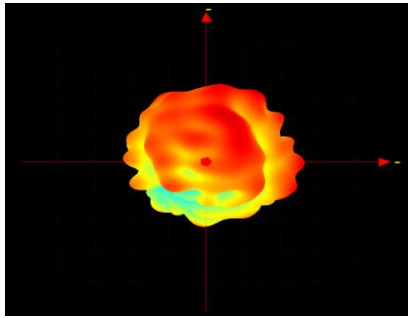
2400MHz



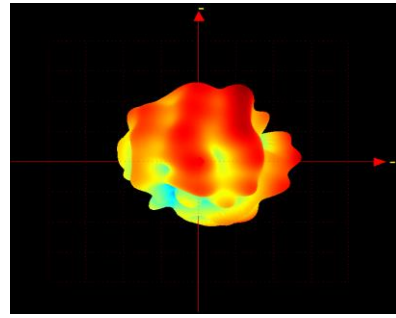
2450MHz



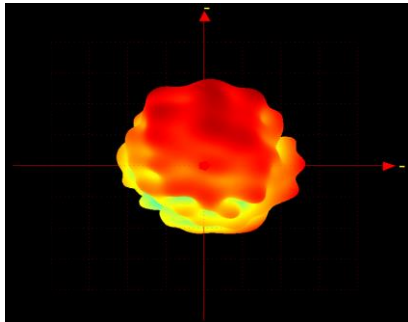
2500MHz



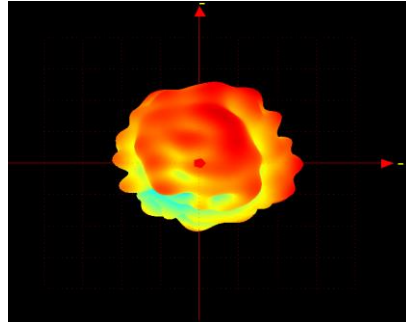
5150MH



5550MHz

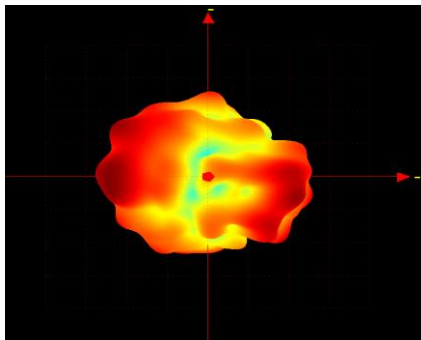


5850MHz

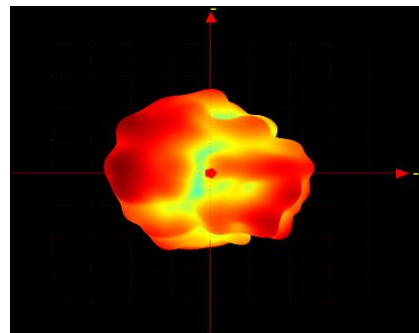


BT

2400MHz



2450MH



2500MHz

