

Antenna Test Report

Contents:

- 1. Antenna Test***
- 2. Antenna Performance Test***
- 3. Desscription of how measurements are made***
- 4. Assembly Picture***

Tester : Zheng Haonan

Approval : Chen Guoqiang

Date : 2024 / 01 / 09

Electrical Properties

Frequency	2400-2500MHz
Impedance	50 Ohm Nominal
V.S.W.R	2.0 Max 2400-2500MHz
Gain	4.6 dBi 2400-2500MHz
Radiation	Omni-directional
Polarization	Linear

Physical Properties

Connector	IPEX
Cable Type	O.D.1.13mm
Cable Length	45mm
Cable Color	Black
Operating Temp.	-40 ~ +85 °C
Storage Temp / Humidity	25±5°C / <70%

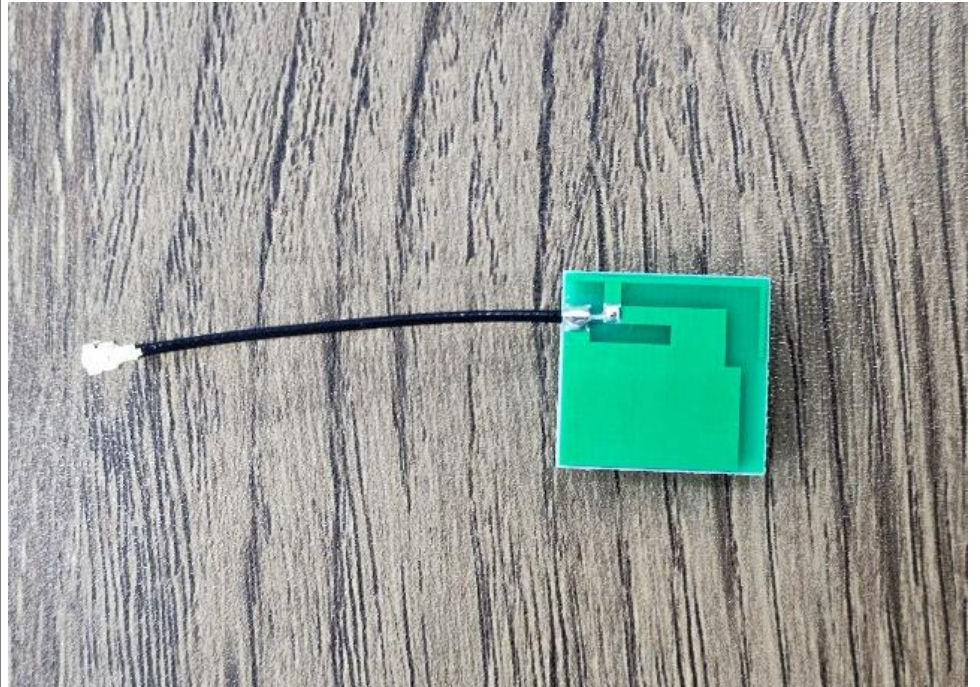
东莞市蓝骆电子有限公司

Table of Calibrated equipment

No	Equipment	Producer	Calibration date
测试软件	PassiveTest	XH-IOE	2023/12/25
测试仪表	ZVB 8	ROHDE&SCHW ARZ	2023/9/1

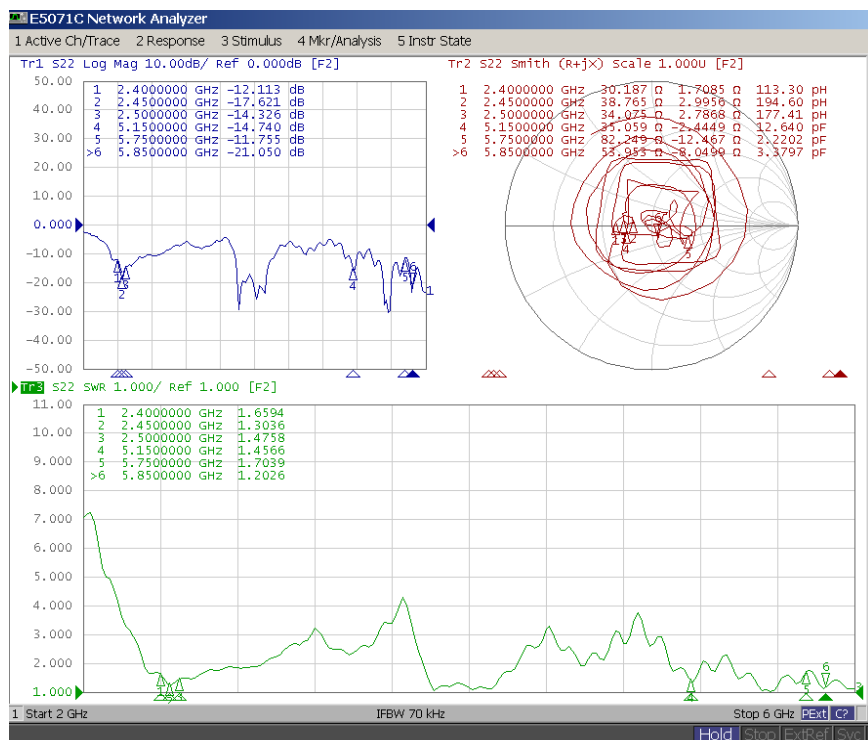
1. Antenna Test

**WiFi
Antenna**

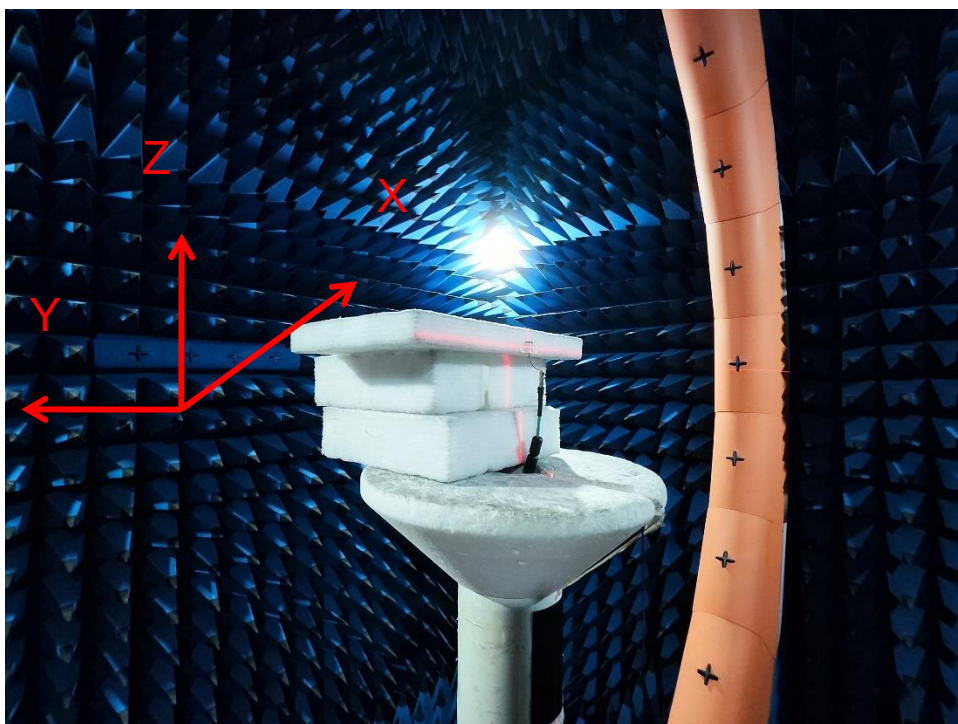
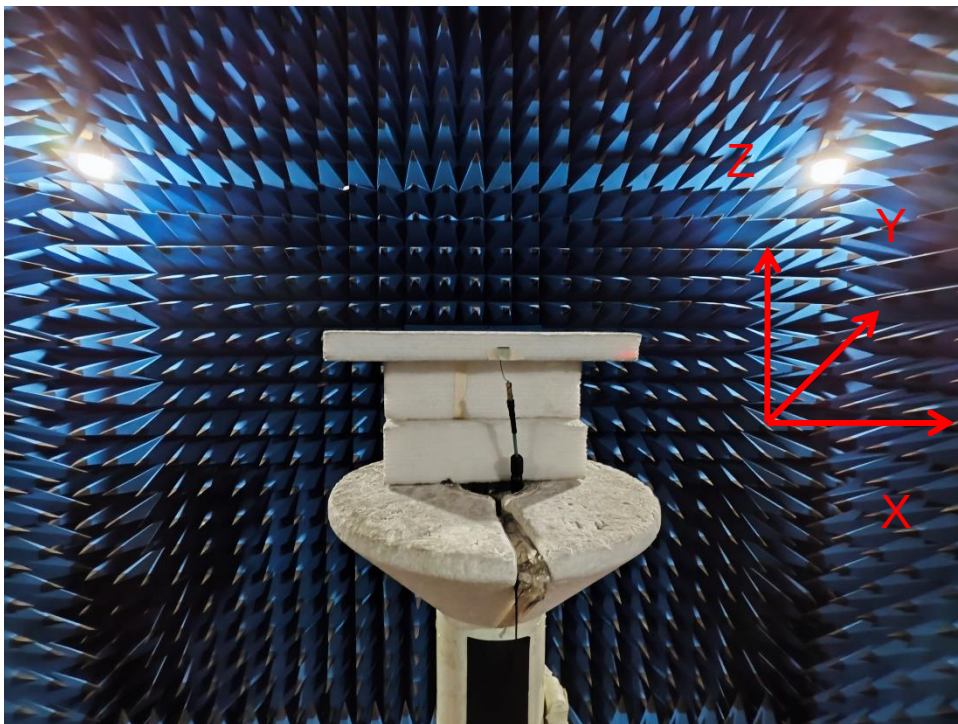


2. Antenna Performance Test

**Agilent
E5071C
S22
Parameter
Test //
WiFi
Antenna**



Antenna Passive Test

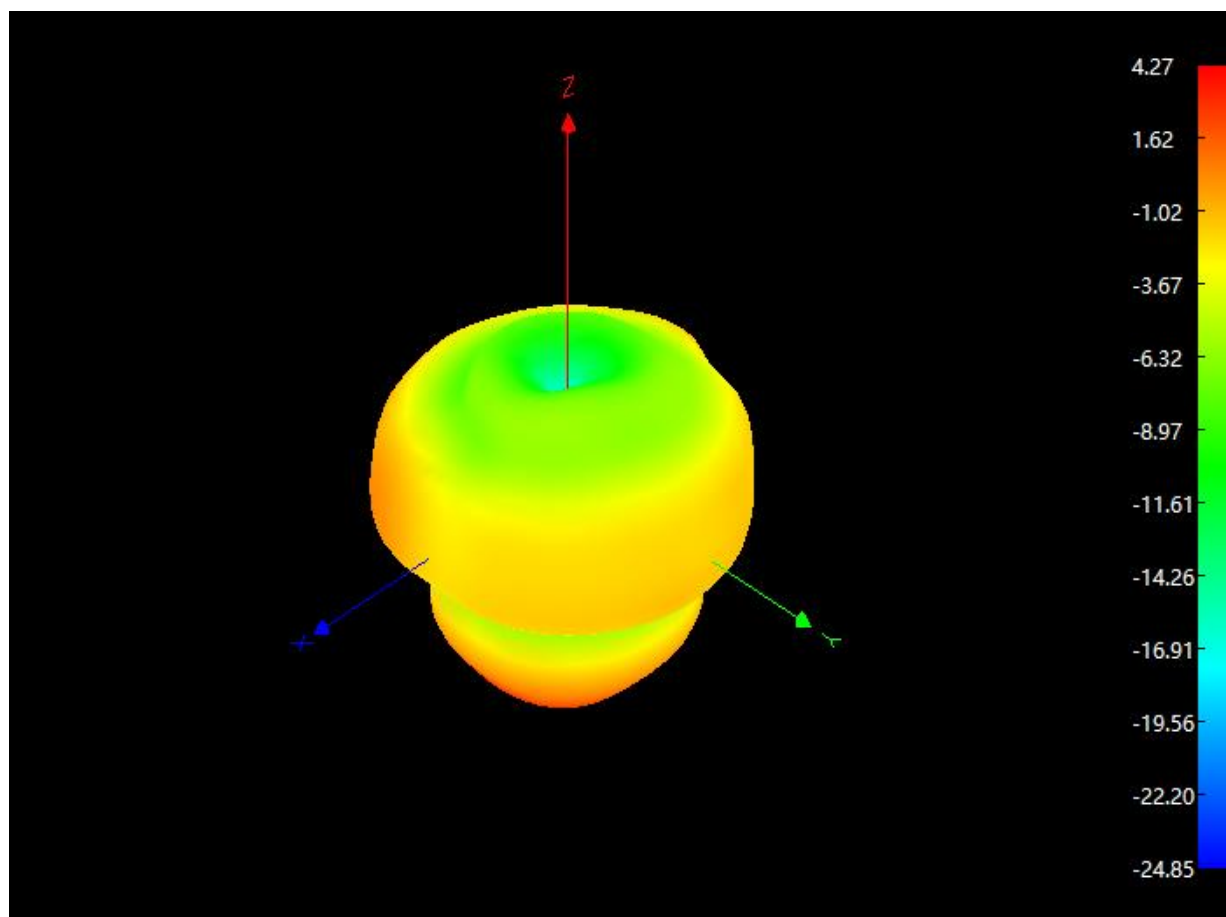


东莞市蓝骆电子有限公司

Passive Test For WiFi Antenna(2.4G)

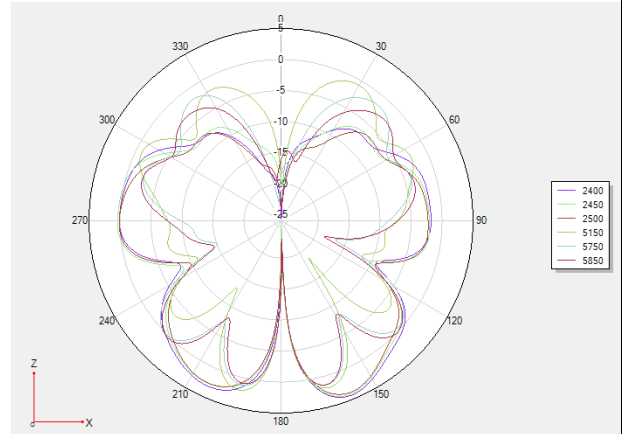
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	60.1	-2.2	4.4
2410	59.7	-2.2	4.5
2420	57.5	-2.4	4.3
2430	56.2	-2.5	4.3
2440	55.0	-2.6	4.0
2450	58.1	-2.4	4.3
2460	55.6	-2.6	4.0
2470	59.2	-2.3	4.5
2480	56.6	-2.5	4.3
2490	57.7	-2.4	4.6
2500	53.5	-2.7	4.2

Radiation Pattern For WiFi Antenna(2.4G)

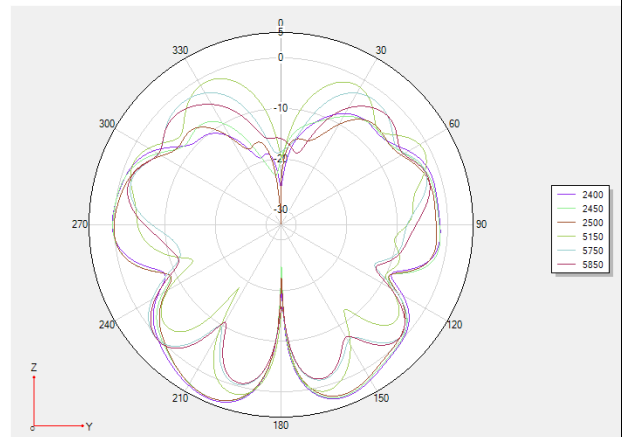


Radiation Pattern For WiFi Antenna

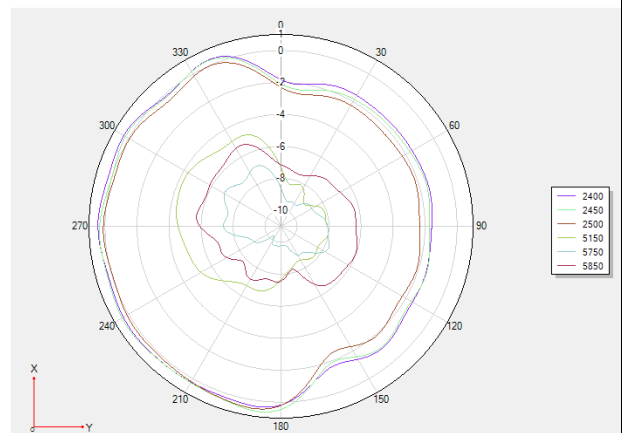
Phi 0°



Phi 90°



Theta 90°



4. Assembly Picture

WiFi Antenna

