

天线规格书

Antenna specification

1、天线类型及尺寸

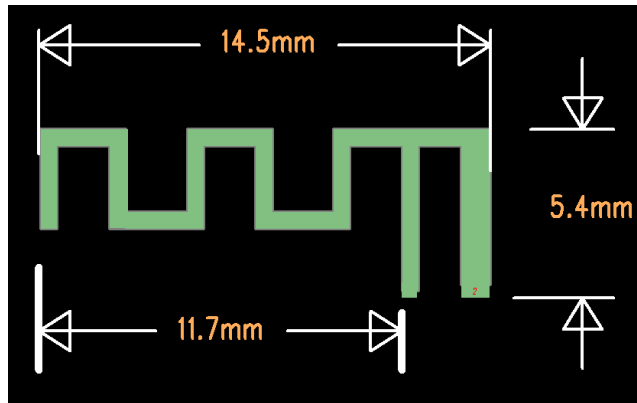
Antenna type and size

(1) 天线类型：板载天线

Antenna type: onboard antenna

(2) 天线尺寸：

Antenna size

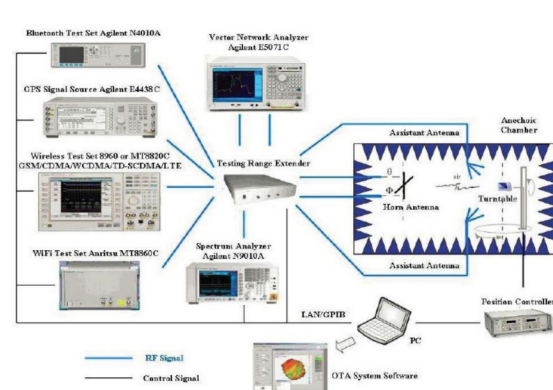


2、测试方法及标准

Test methods and standards

(1) 测试方法

Test method



(2) 测试标准

Test standard

Name	Parameter	Method	StandWrd nO.
Antennaperfor manee	Radiation Cfficieney	IEEE Standard Test Procedures for Antennas	ANSIIEEE Std149- 2021

3、仪器列表及校准日期

Instrument list and calibration date

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due Date
Network Analyzer	Agilent	E5071C	XXXXX	20240120	20250119

4、天线增益、测试图（2D、3D）数据

Antenna gain, test diagram (2D, 3D) data

(1) 天线增益

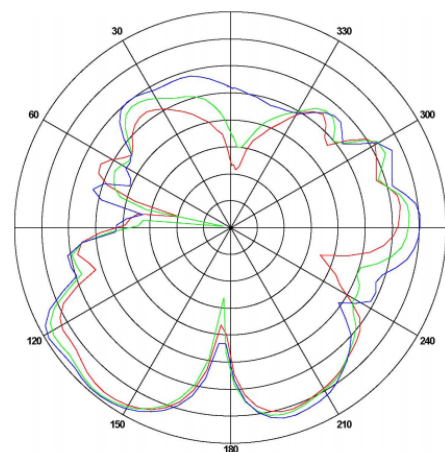
Antenna gain

ITEM	ANT SPEC					
Model Name	2.4G ANT					
Center Frequency	Horizontal			Vertical		
	2400MHz	2450MHz	2500MHz	2400MHz	2450MHz	2500MHz
	-1.26	-0.76	-0.58	-5.25	-2.46	-1.86
MAX. Gain	-0.58dB					
Polarization	Horizontal and Vertical					
Azimuth Beam Pattern	Omni-directional					
Impedance	50 Ohm					
Antenna Length	35.90mm					

(2) 测试图（2D、3D）数据

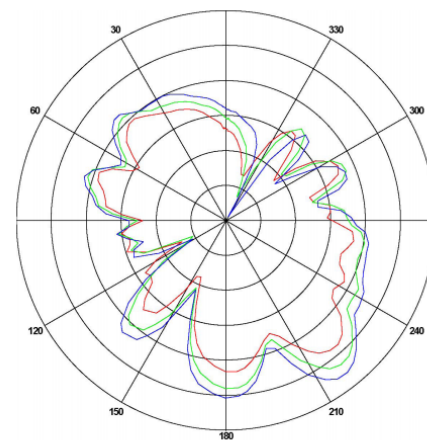
Test chart (2D, 3D) data

Horizontal: 2400 MHz 2450 MHz 2500 MHz
Power (dBm)
Max: 0 Min: -40 Scale: 5/div



Frequency (MHz)	Gain(dB)		
	Max	Min	Avg
2400	-1.26174	-30.0801	-7.18716
2450	-0.765802	-36.5604	-7.48023
2500	-0.585582	-22.0315	-6.59127

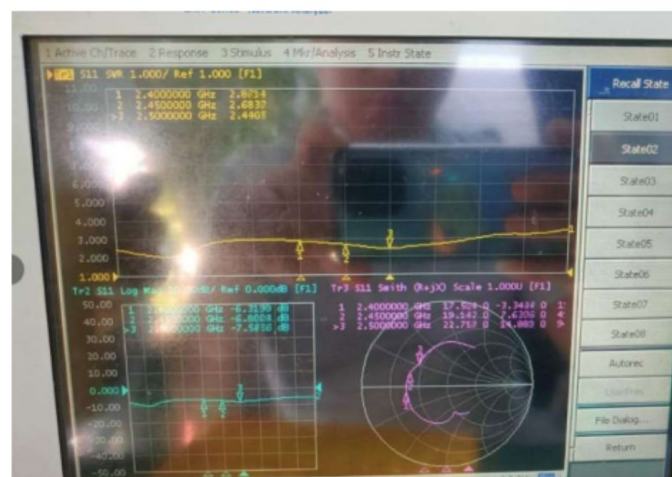
Vertical: 2400 MHz 2450 MHz 2500 MHz
Power (dBm)
Max: 0 Min: -30 Scale: 5/div



Frequency (MHz)	Gain(dB)		
	Max	Min	Avg
2400	-5.2537	-22.1424	-12.4294
2450	-2.4652	-24.5837	-10.4702
2500	-1.86120	-29.5214	-9.20432

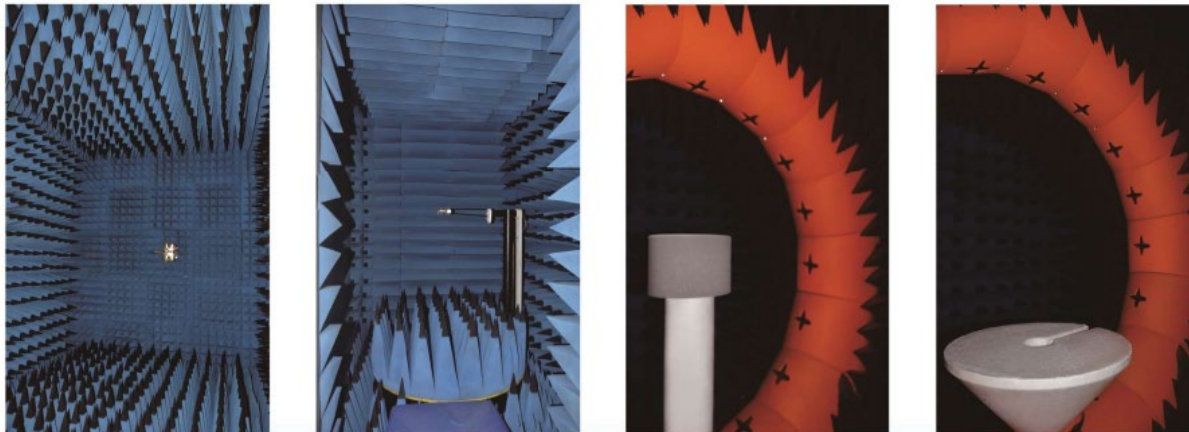
5、测试照

Test photos



6、测试配置图

Test configuration diagram



测试实验室名称：咏成国际

Test laboratory name: Yongcheng International

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Add: 707, Building A, Rui Tech Park, Xingyu Road, Gushu, Baoan District, Shenzhen, Guangdong, China

测试日期：2024 年 08 月 20 日

Test date: August 20, 2024

测试人员：曹馗

Tester: Cao Kui