

# Antenna test report

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Test item:	H6047

## 1. Test procedures (test standards);

### 3.1 Test standard

Name	Parameter	Method	Standard no.
Mobile communication antenna	VSWR	Generic specification for antennas used in the mobile communications	GB/T 9410-2008
	Antenna gain		
	Radiation pattern		
Antenna	Radiation efficiency	IEEE Standard Test Procedures for Antennas	ANSI/IEEE Std 149-1979

## 2. Equipment list;

### 1.3 Test equipment

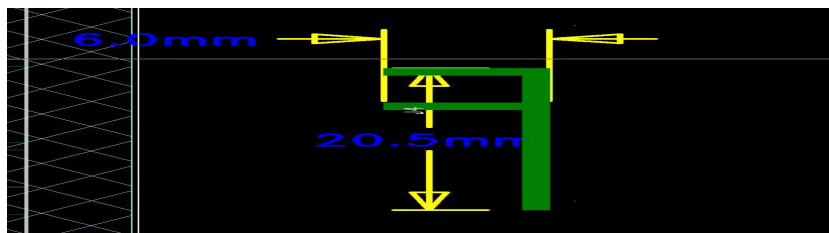
Equipment	Model No.	Serial No.	Manufacturer	Calibration date	Next calibration date
16 probe microwave chamber	3*3*2.5	RFI-LAB-RF-A00	SUNYIELD	2021.3.15	2023.3.14
Network Analyzer	E5071C	RFI-LAB-RF-A02	Agilent	2022.4.29	2023.4.28
Network Analyzer	E5071C	RFI-LAB-RF-C02	KEYSIGHT	2022.4.29	2023.4.28

## 3. Test setup diagram;



## 4. Test data

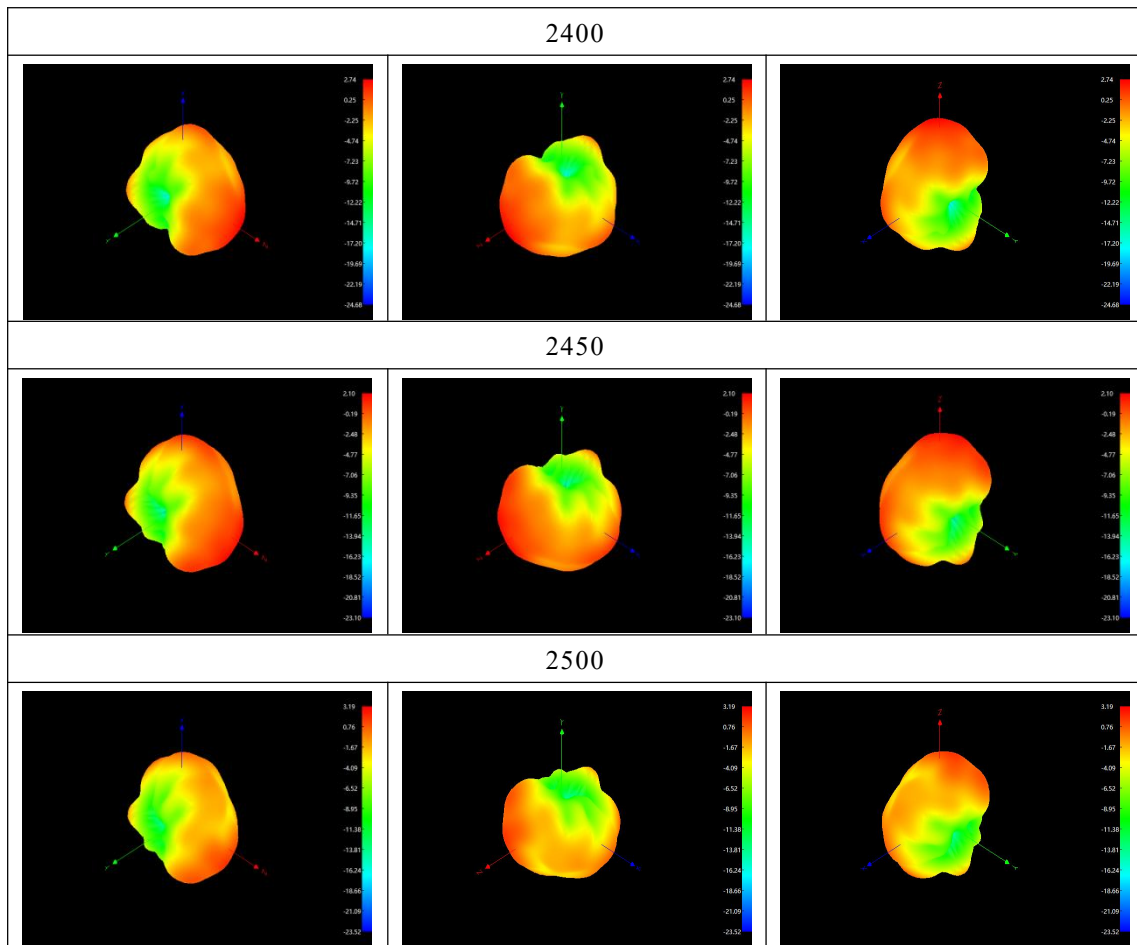
### 4.1.1 Bluetooth Antenna physical size



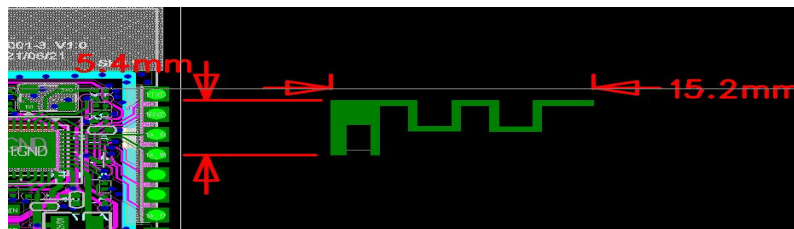
### 4.1.2 Bluetooth Antenna type: PCB antenna

Frequency / MHz	Gain/ dB
2400	2.74
2410	2.56
2420	2.44
2430	2.15
2440	1.82
2450	2.1
2460	2.04
2470	2.83
2480	2.74
2490	3.39
2500	3.19

### 4.1.3 Bluetooth antenna pattern pictuter



#### 4.2.1 Wi-Fi Antenna physical size



#### 4.2.2 WIFI Antenna type: PCB antenna

Frequency / MHz	Gain/ dB
2400	3.31
2410	3.1
2420	2.91
2430	2.7
2440	2.31
2450	2.42
2460	2.28
2470	2.52
2480	2.09
2490	2.43
2500	3.98

### 4.2.3 WIFI antenna pattern pictuter

