

EMC TEST REPORT

Test Report No.: RF240905001-01-002

Product(s) Name: Bluetooth Module

Model(s): BM-BT-002 Antenna

Trade Mark: N/A

Applicant: Lollipop Technology (Hangzhou) Co., Ltd.

Address: F19, Dongguan Building, No.618, Jiangnan Avenue, Binjiang District,
Hangzhou, Zhejiang, China

Manufacture: Lollipop Technology (Hangzhou) Co., Ltd.

Address: F19, Dongguan Building, No.618, Jiangnan Avenue, Binjiang District,
Hangzhou, Zhejiang, China

Antenna Type: PCB Antenna

Receipt Date: Sept.10, 2024

Test Date: Sept.10, 2024 to Sept.13, 2024

Issued Date: Sept.13, 2024

Testing Laboratory: Shenzhen Haiyun Testing Co., Ltd.

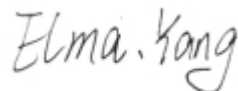
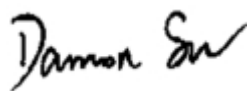
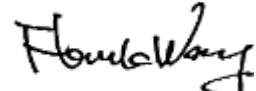
Prepared by	Reviewed by	Approved by	
Elma.Yang	Damon Su	Flank Wang	
			

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Release Control Record

Issue No.	Description	Version No.	Issued Date
RF240905001-01-002	Original release.	1.0	Sept. 13, 2024

1 Purpose & Environment

1.1 PURPOSE

- Meet the electrical performance index;
- Confirm the antenna scheme to meet the design requirements;

1.2 ENVIRONMENT

- Test Condition: the network analyzer(E5071C) and SATIMO microwave anechoic chamber
- Passive measurement results are presented

1.3 TEST SITE DETAILS

Test Lab:	Shenzhen Haiyun Testing Co., Ltd.	
Address:	Room 201, #3 factory, Gongjin Electronics, Shatian, Kengzi Street, Pingshan District, Shenzhen, Guangdong, China	
TEL:	+86-755 26021222	
Web.:	http://www.hy-lab.cn/	
Email:		
The Authorization Information:		
CNAS	Registration No.:	
FCC	FRN No.:	
	Test Firm No.:	
ISED	Company No.:	
	CAB identifier No.:	

2 Test photos、Test Condition and DUT Antenna

2.1 Test photos



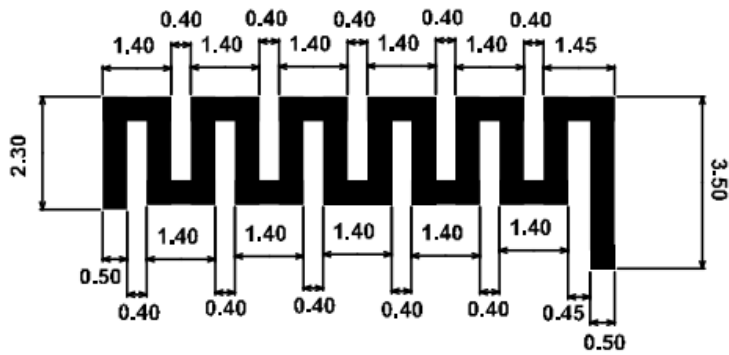
Microwave anechoic chamber

2.2 Test Condition



The network Analyzer

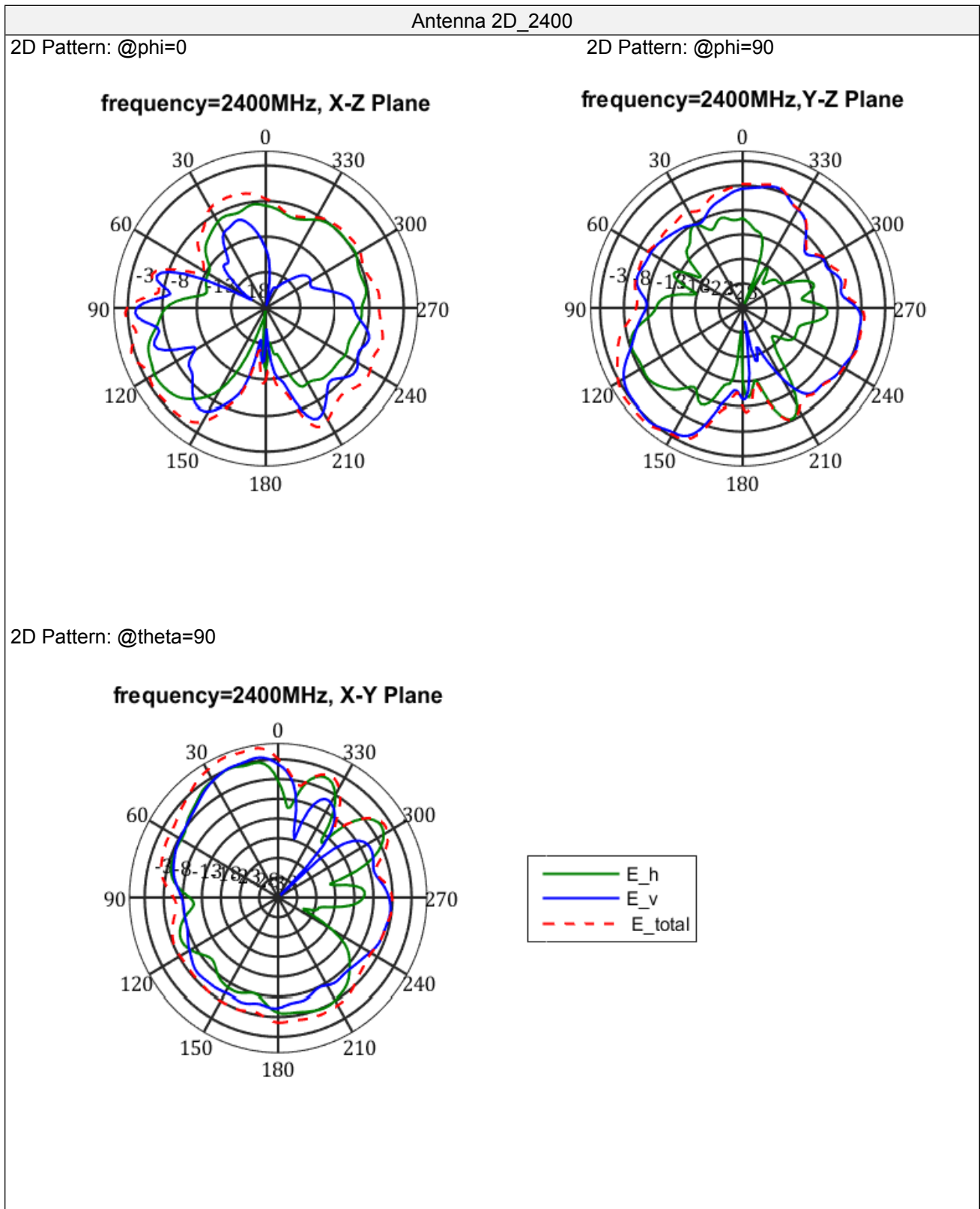
2.3 DUT Antenna



unit : MM

3 2D Radiation pattern

3.1 2D Radiation pattern test results

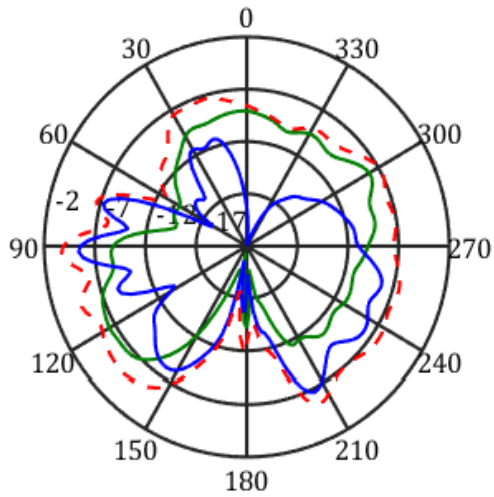


Antenna 2D_2450

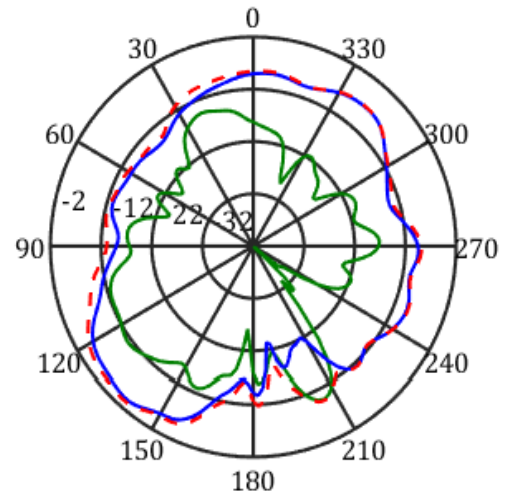
2D Pattern: @phi=0

2D Pattern: @phi=90

frequency=2450MHz, X-Z Plane

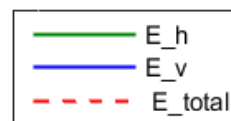
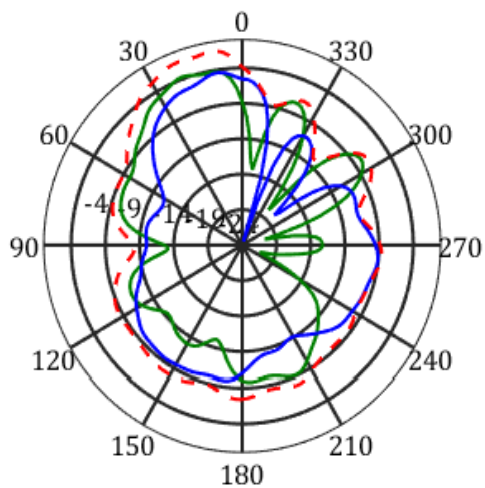


frequency=2450MHz, Y-Z Plane



2D Pattern: @theta=90

frequency=2450MHz, X-Y Plane

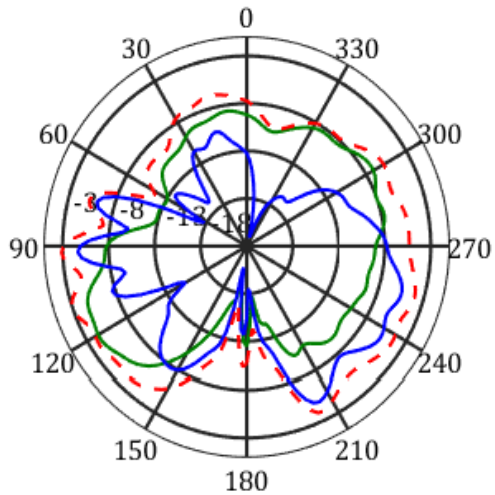


Antenna 2D_2500

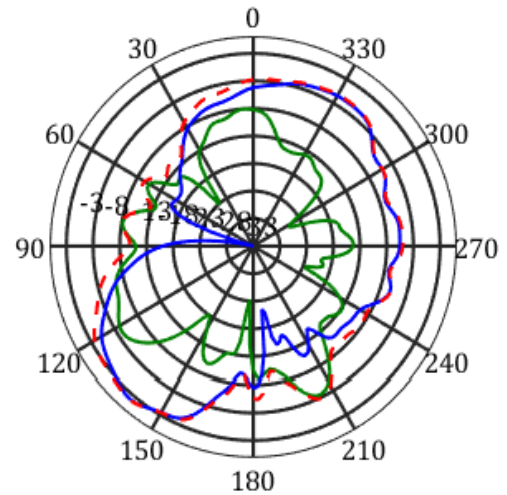
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2D Pattern: @phi=90

frequency=2500MHz, X-Z Plane

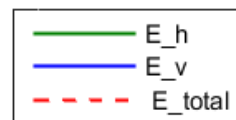
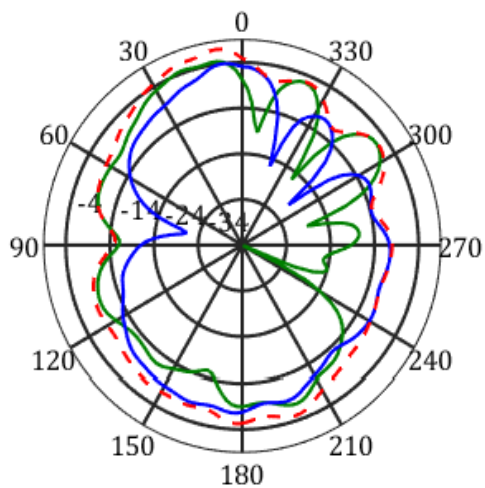


frequency=2500MHz, Y-Z Plane



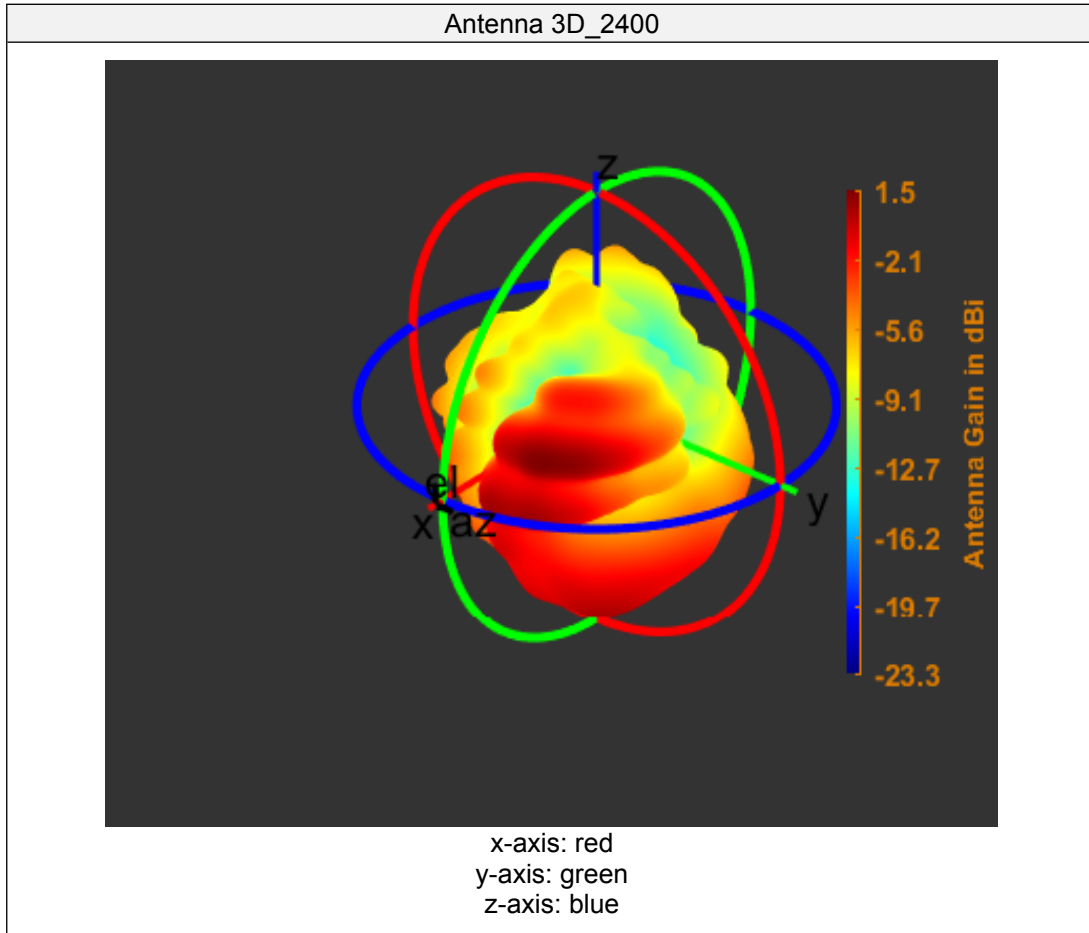
2D Pattern: @theta=90

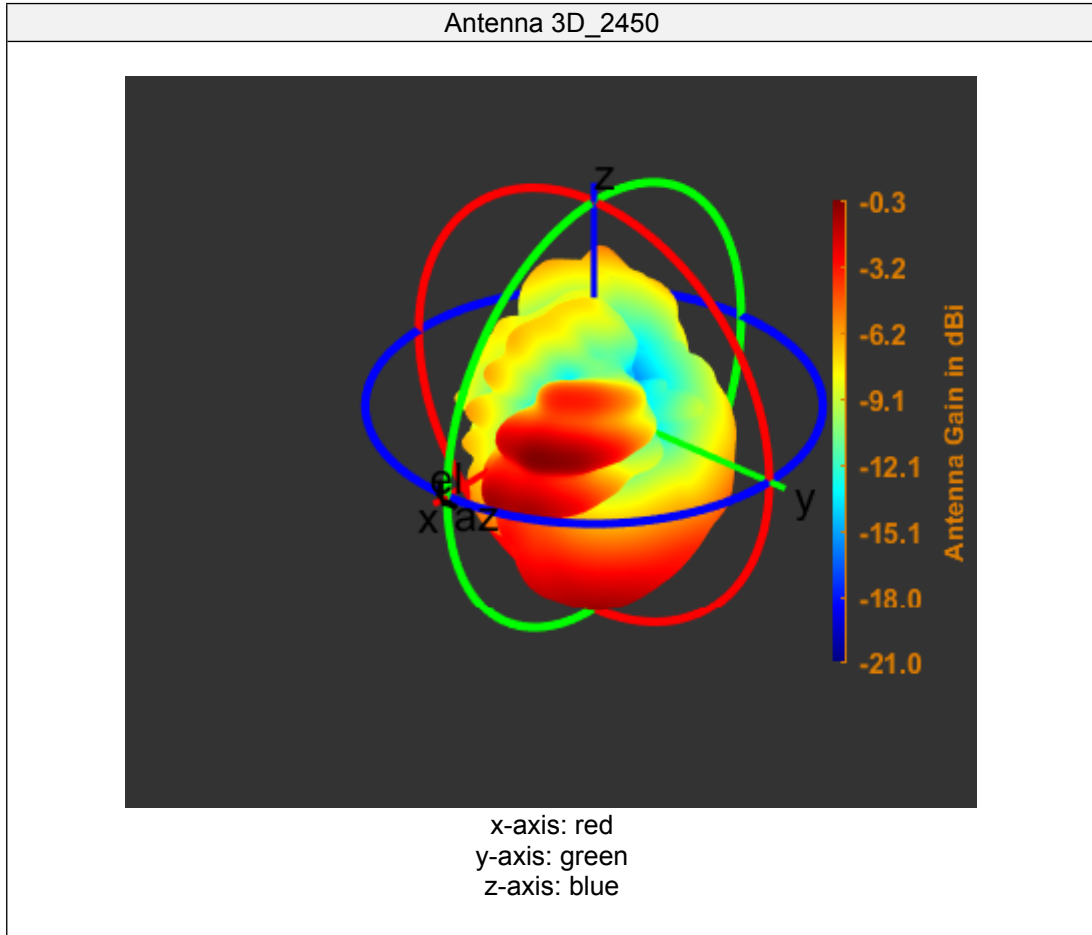
frequency=2500MHz, X-Y Plane

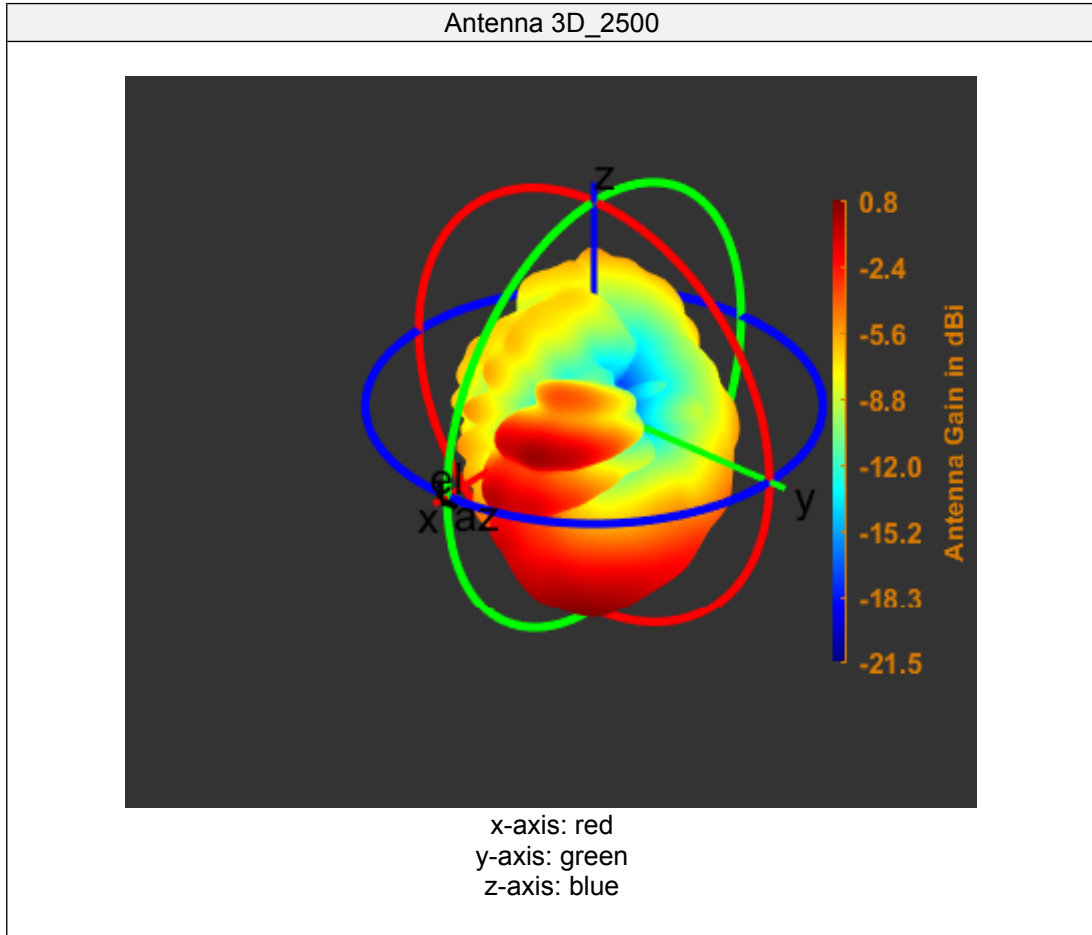


4 3D Radiation pattern

4.1 3D Radiation pattern test results







5 Peak Gain

5.1 Test results

Antenna_Peak Gain	
Frequency (MHz)	Gain(dB)
2400	1.4647
2410	1.2061
2420	0.7202
2430	0.3262
2440	0.431
2450	-0.2766
2460	-0.0455
2470	0.0811
2480	-0.1887
2490	0.1549
2500	0.8097

Statement

1. The report is invalid without the official seal or special seal of Shenzhen Haiyun Testing Co., Ltd. (hereinafter referred to as the unit).
2. The report is invalid without the signature of the approver.
3. The report is invalid if altered arbitrarily.
4. The report shall not be partially copied without the written approval of the unit.
5. The reported test results are only valid for the tested samples.
6. If there is any objection to the test report, it shall be submitted to the test unit within 15 days from the date of receiving the report, and the overdue shall not be accepted.

Shenzhen Haiyun Testing Co., Ltd.

Address: Room201, #3 Factory, Gongjin Electronics, Shatian, Kengzi Street, Pingshan District, Shenzhen, Guangdong, China

Tel: 0755-26024411

Zip Code: 518118

E-mail: service@hy-lab.cn

**** End of report ****