


Antenna Test Report

Product Name: Bluetooth Module	Report No. : RF8230406039-L1-R
Product Model: JMD1102/JMD1105/JMD1106	Security Classification: Open
Version : V1.0	Total Page: 10

HAIYUN Laboratory Report

Prepared By:	Checked By:	Approved By:	
Krain Wu	Vic Cai	Flank Wang	
<i>Krain Wu</i>	<i>Vic Cai</i>	<i>Flank Wang</i>	

Antenna Test Report

Equipment:	Bluetooth Module
Model:	JMD1102/JMD1105/JMD1106
Applicant:	JOYTECH Healthcare Co., Ltd.
Applicant address:	No.365,Wuzhou Road311100 Hangzhou, Zhejiang ProvincePEOPLE'S REPUBLIC OF CHINA
Manufacture:	JOYTECH Healthcare Co., Ltd.
Address:	No.365,Wuzhou Road311100 Hangzhou, Zhejiang ProvincePEOPLE'S REPUBLIC OF CHINA
Date of Receipt:	Apr 7.2023
Date of Test:	Apr 1.2023~May 10.2023
Issue Date:	May 10.2023
Tested by:	Shenzhen HAIYUN Testing Co., Ltd. Laboratory

TEL: 0755-89990666-21508

FAX:0755-26801723

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1. Purpose & Environment

1.1 Purpose

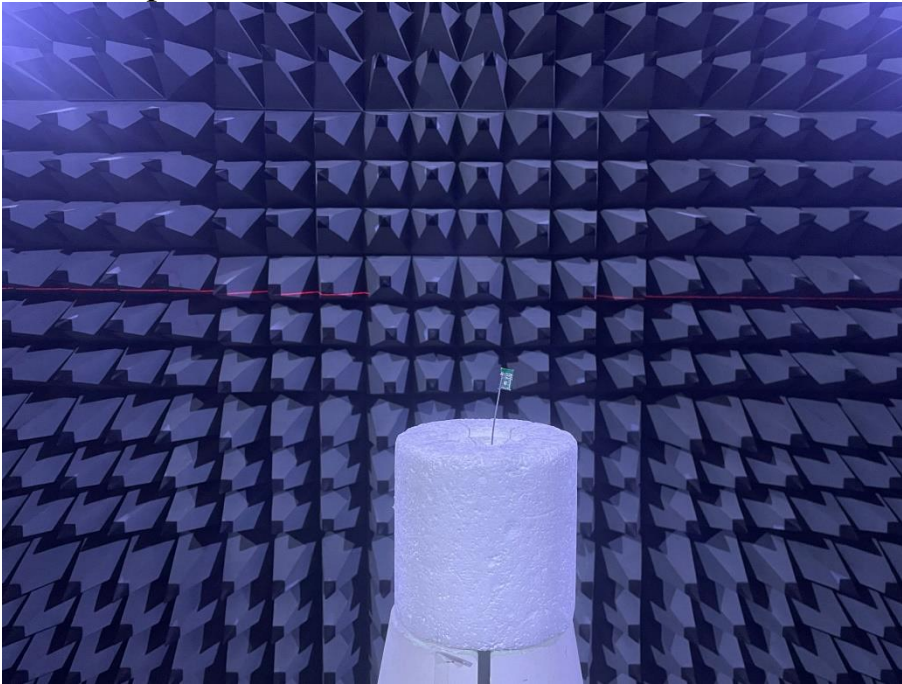
- Meet the electrical performance index;
- Confirm the antenna scheme to meet the design requirements;

1.2 Environment

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

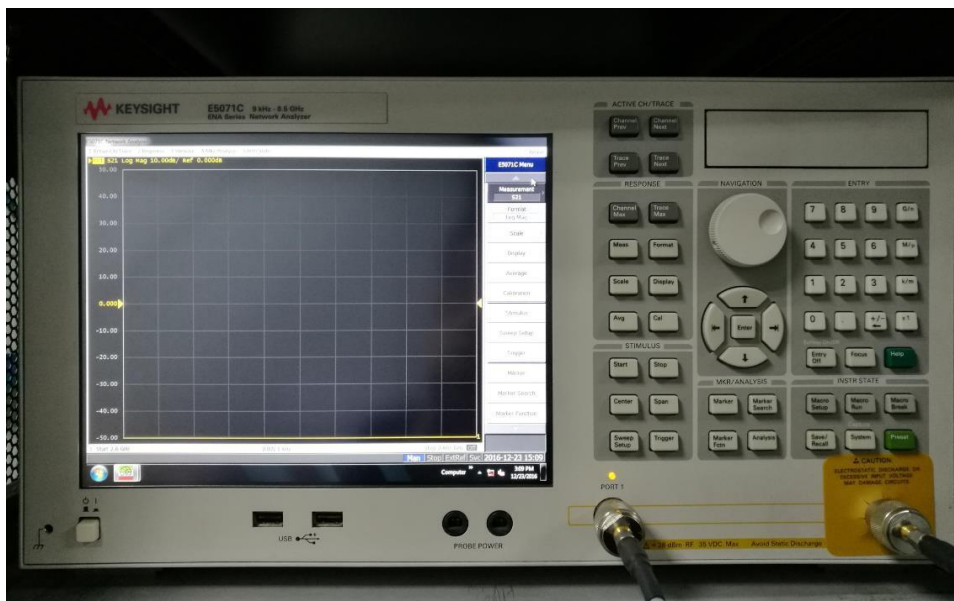
2. Test photos、 Test Condition and DUT Antenna

2.1 Test photos



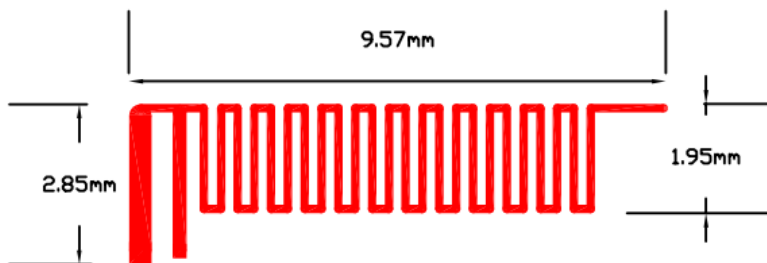
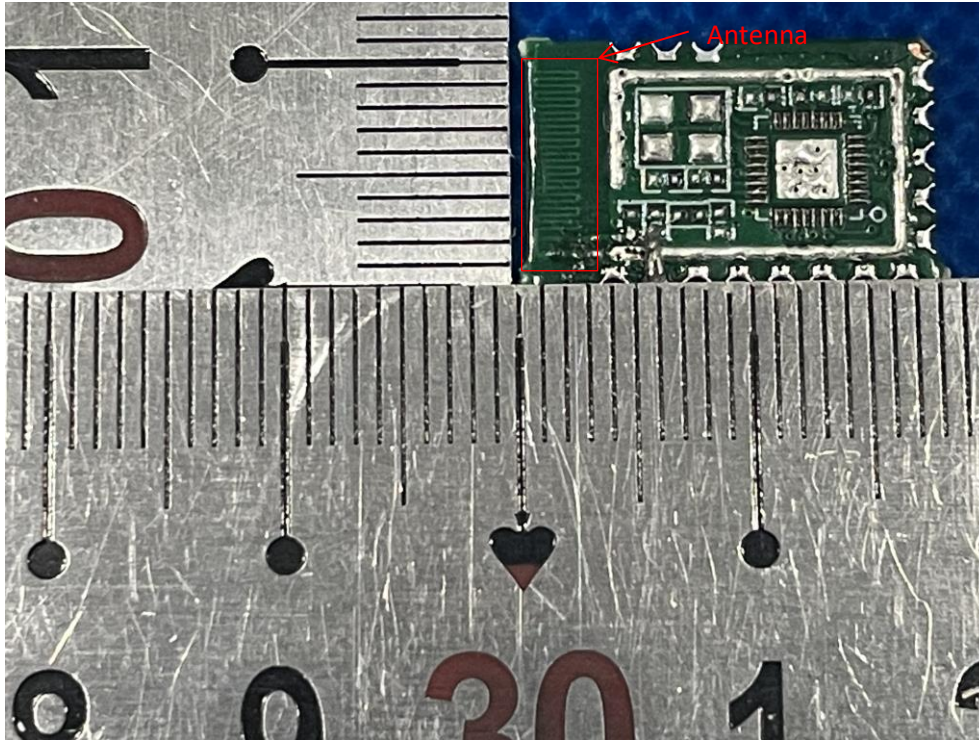
Microwave anechoic chamber

2.2 Test Condition



The network Analyzer

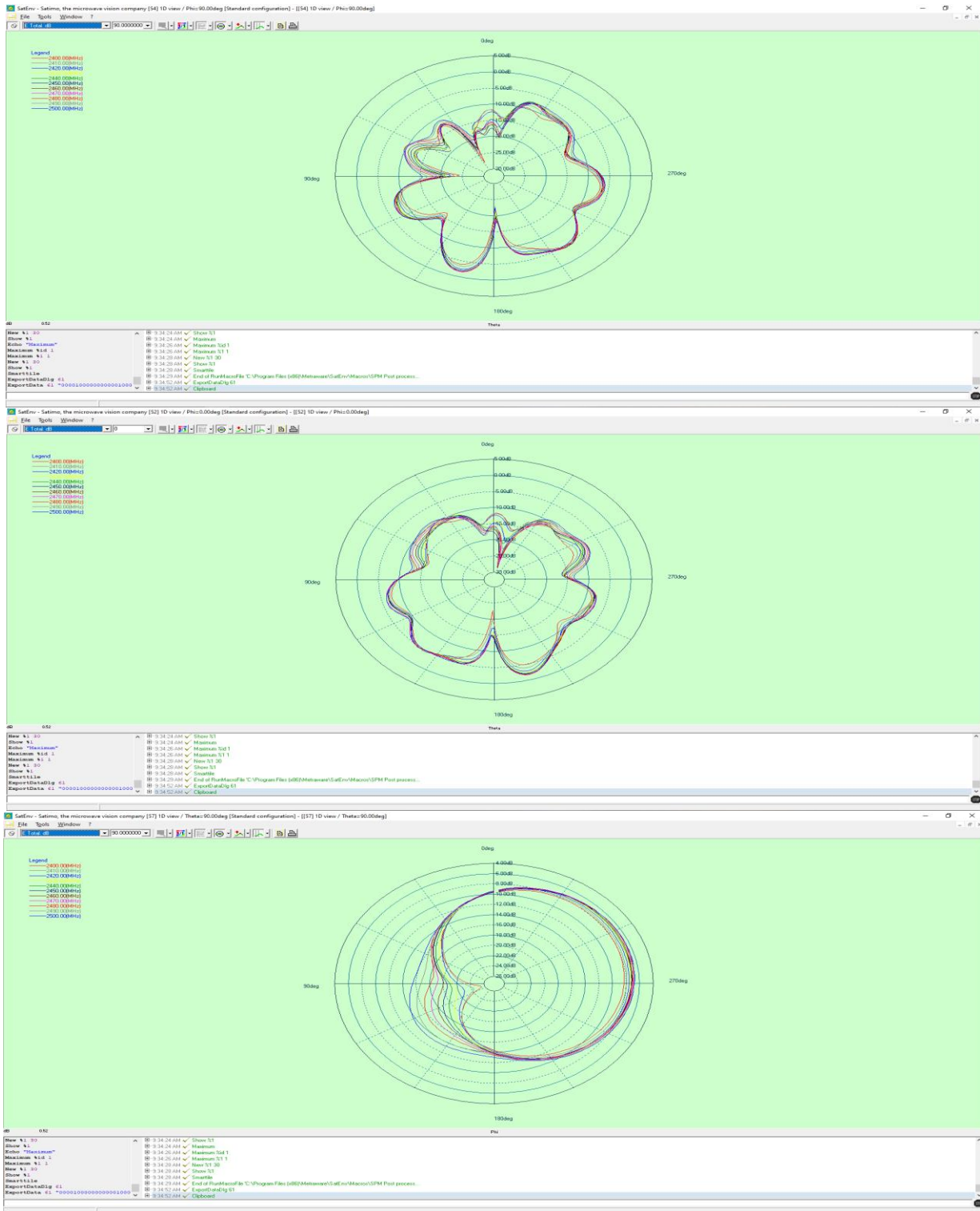
2.3 DUT Antenna



3 2D Radiation pattern

3.1 2D Radiation pattern test results

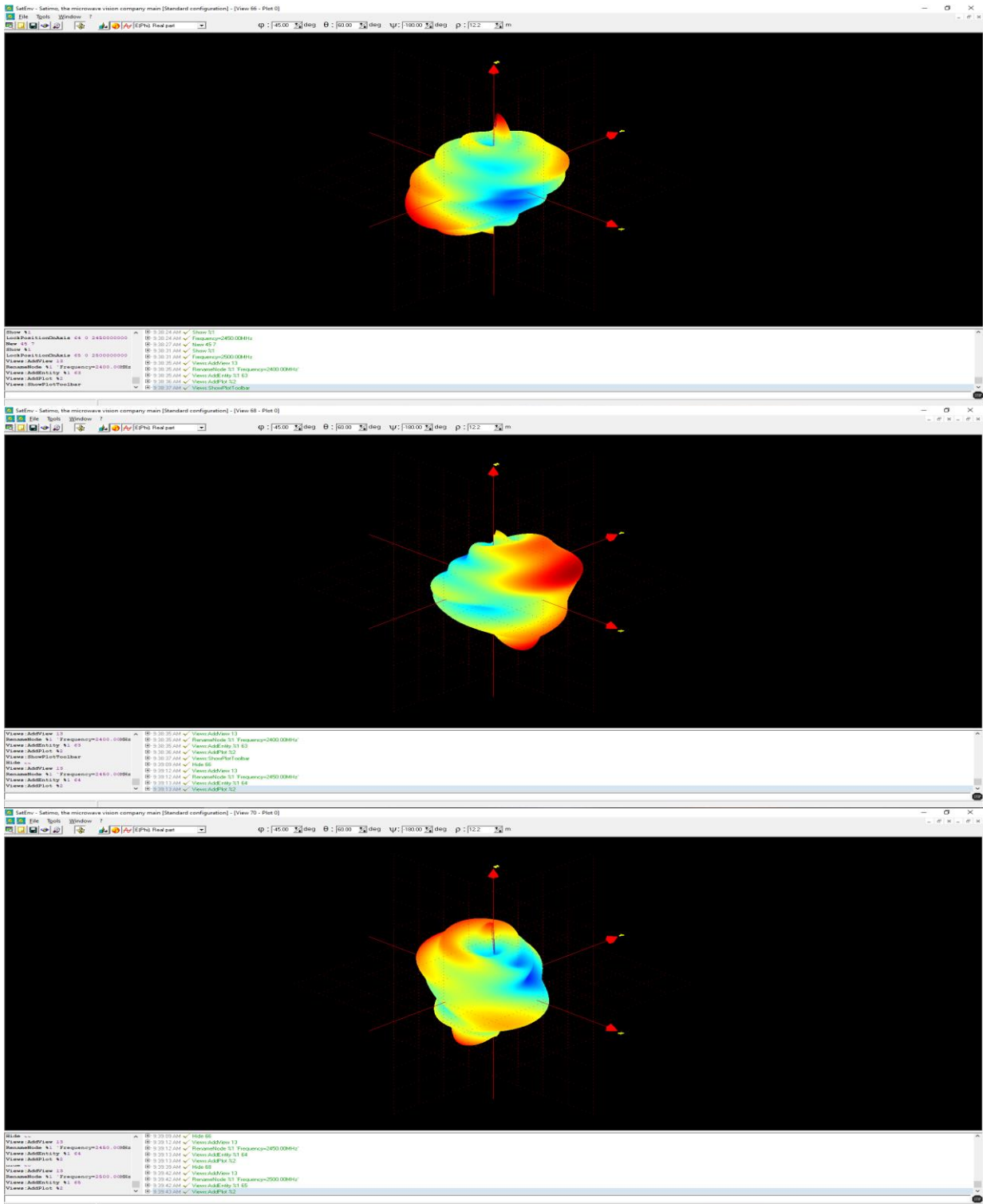
Antenna_2D



3 3D Radiation pattern

3.2 3D Radiation pattern test results

Antenna_3D



4 Peak Gain

4.1 Test results

Antenna_Peak Gain	
Frequency (MHz)	Peak_Gain . dBi
2400	-3.52746
2410	-2.85367
2420	-2.15516
2430	-1.78412
2440	-1.69437
2450	-1.55137
2460	-1.49915
2470	-1.37612
2480	-1.49079
2490	-1.57472
2500	-1.7318

STATEMENT

- a) The test report applies only to the specific samples tested under conditions.
- b) The test report is invalid without the Inspection Seal.
- c) The test report is invalid without the signature of the test engineer, auditor, Approver.
- d) The test report is invalid if it is altered or copied.
- e) Partial replica is prohibited without permission of Shenzhen HAIYUN Testing Co., Ltd. Laboratory
- f) The test results presented in this report is only valid on the tested samples.
- g) Objections to this report should be submitted to the inspection organization in 15 days of receipting the report. It is not accepted if overdue.

Shenzhen HAIYUN Testing Co., Ltd. Laboratory

Address: No. 2 Danzi North Road, Kengzi Street, Pingshan District, Shenzhen, Guangdong, China

Tel: 0755-26021222

Fax: 0755-26021723

(END OF REPORT)