



TEST REPORT

APPLICANT : JIANGSU HUITONG GROUP

PRODUCT NAME : Bluetooth remote

MODEL NAME : SF484

TRADE NAME : N/A

BRAND NAME : N/A

STANDARD(S) : ANSI/IEEE Std 149-2008

RECEIPT DATE : 2024-5.23

TEST DATE : 2024-5.23

ISSUE DATE : 2024-5.23

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Change History		
Version	Date	Reason for change
1.0	2024-5-23	First edition



1. Technical Information

Note: Provide by manufacturer.

1.1. Applicant and Manufacturer Information

Applicant:	JIANGSU HUITONG GROUP
Applicant Address:	No. 24, Taohuawu District 2, Zhenjiang City, Jiangsu Province, China
Manufacturer:	N/9A
Manufacturer Address:	N/A

1.2. Equipment Under Test (EUT) Description

Wireless Type	N/A
Test frequency band	2400MHz-2500MHz
Hardware Version	N/A
Software Version	N/A
IMEI	N/A
Sample No.	1#



2. Test Results

2.1. Applied Reference Documents

Leading reference documents for testing:

No.	Identity	Document Title
1	ANSI/IEEE Std 149-2008	IEEE Standard Test Procedures for Antennas

2.2. Test Conditions

Test Environment Conditions:

Relative Humidity:	25 ... 75 %
Temperature:	+10 °C to +30 °C

2.3. Measurement Uncertainty

The uncertainty is calculated using the methods suggested in the "Guide to the Expression of Uncertainty in Measurement" (GUM) published by ISO.

Item	Measurement Uncertainty(dB)
Gain	±0.5
VSWR	±0.2
Measurement Uncertainty(95% Confidence Interval) K=2	



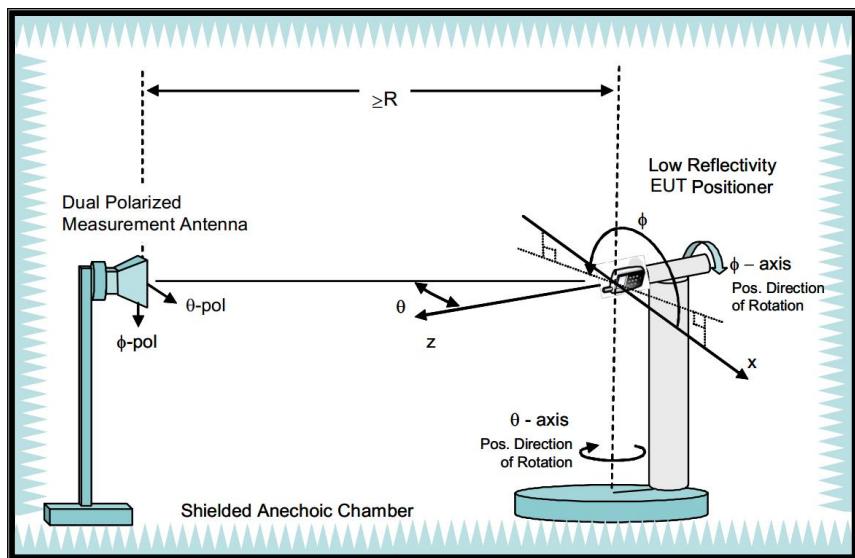
2.4. Test Results lists

2.4.1. Gain and Efficiency

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	56. 3	-2. 49	3. 73
2410	55. 45	-2. 56	3. 87
2420	59. 62	-2. 24	4. 07
2430	57. 45	-2. 4	4. 06
2440	57. 37	-2. 41	3. 99
2450	58. 75	-2. 3	4. 27
2460	55. 03	-2. 59	4. 13
2470	53. 72	-2. 69	4. 18
2480	56. 69	-2. 46	4. 36
2490	58. 02	-2. 36	4. 14
2500	60. 6	-2. 17	4. 06

Annex A Photographs

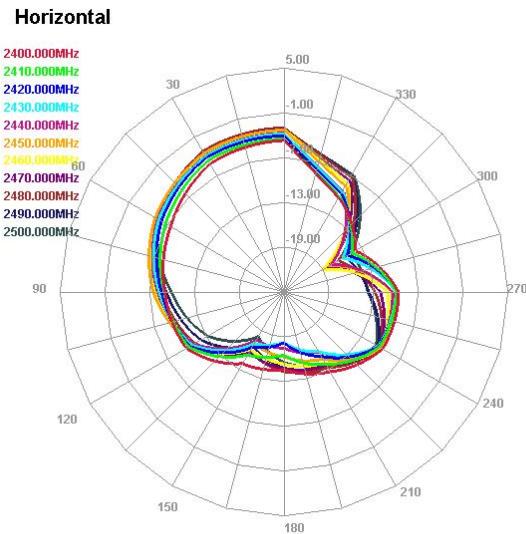
1. Test Setup



Annex B Figures

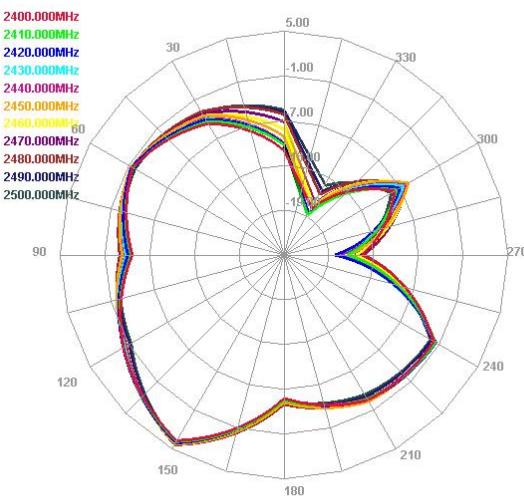
1. 2D Radiation Pattern

Phi=0°



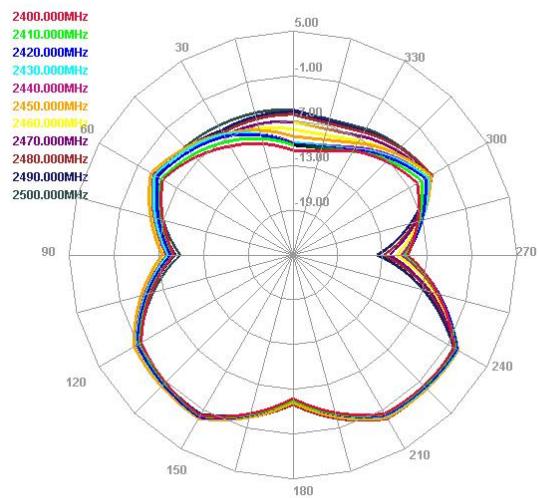
Phi=90°

E1 Face



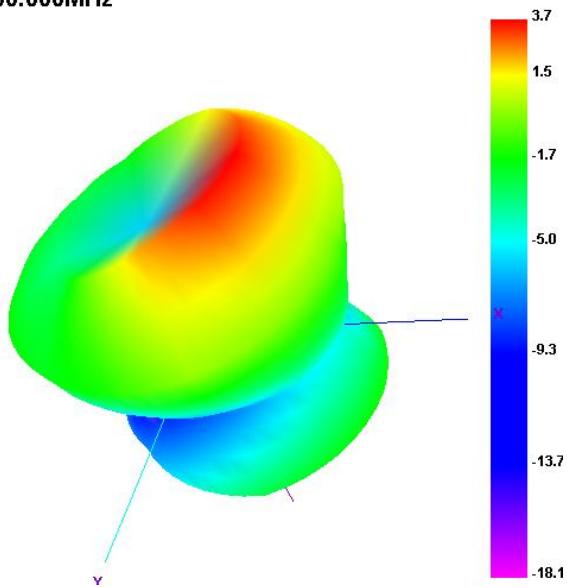
Theta=90°

E2 Face



2. 3D Radiation Pattern

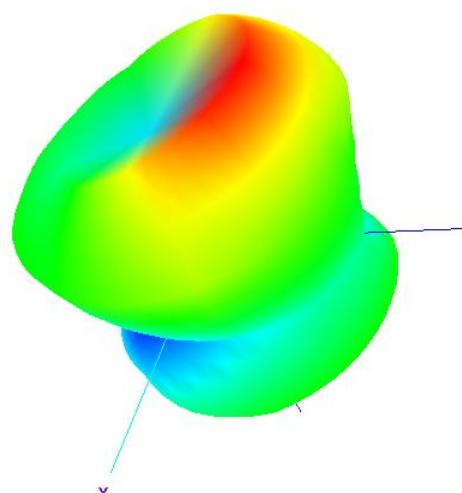
2400.000MHz



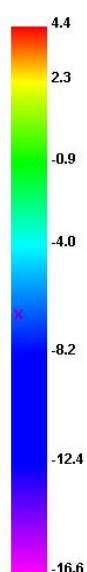
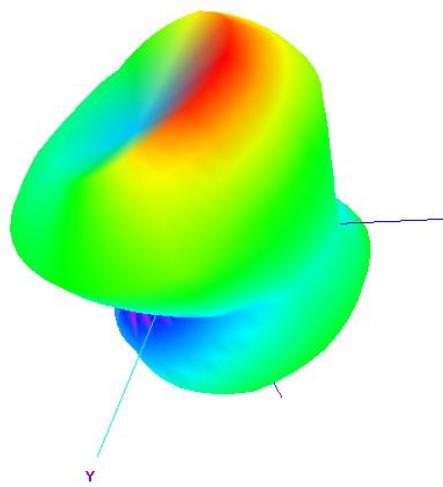


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2440.000MHz



2480.000MHz





Annex C Photographs

1. Test environment

Please refer to the file of Test Setup Photo.



Annex D General Information

1.1 Identification of the Responsible Testing Laboratory

Laboratory Name:	JIANGSU HUITONG GROUP
Laboratory Address:	No. 24, Taohuawu District 2, Zhenjiang City, Jiangsu Province, China
Telephone:	
Facsimile:	

1.2 Identification of the Responsible Testing Location

Name:	JIANGSU HUITONG GROUP
Address:	No. 24, Taohuawu District 2, Zhenjiang City, Jiangsu Province, China

1.3 Test Equipments Utilized

1.3.1 List of Test Equipment

NO.	Equipment Name	Serial NO.	Type	Manufacturer	Cal.Date	Cal.Due Date
1	Vector Network Analyzer	MY46214666	E5071C	Agilent	2021.03.17	2022.03.16
2	OTA Chamber	N/A	ETS	欧铠	2021.01.12	2024.01.11
3	Antenna Measurement System	N/A	OTATester V4.303	欧铠	N/A	N/A

———— END OF REPORT ————