江苏惠通集团
JIANGSU HUITONG GROUP

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**

江苏惠通集团
JIANGSU HUITONG GROUP

DIRECTORY

Change History		
Version	Date	Reason for change
1.0	2024-5.23	First edition

江苏惠通集团
JIANGSU HUITONG GROUP

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	

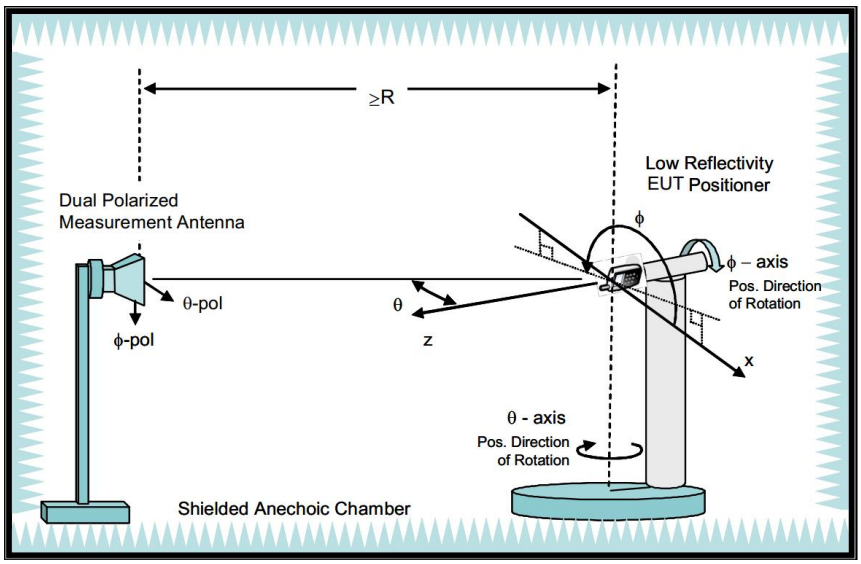
2.4. Test Results lists

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

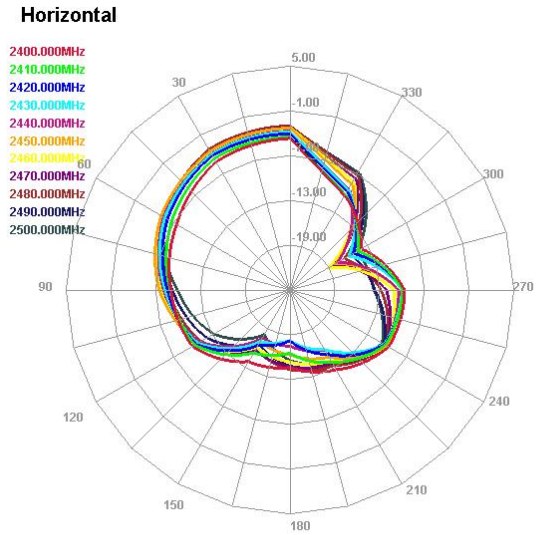
1. Test Setup



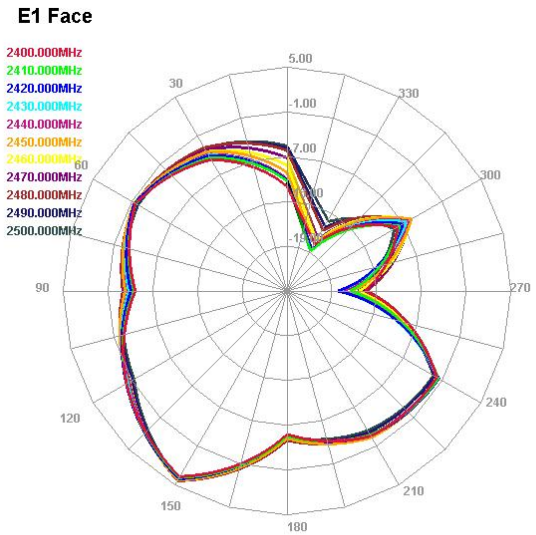
Annex B Figures

1. 2D Radiation Pattern

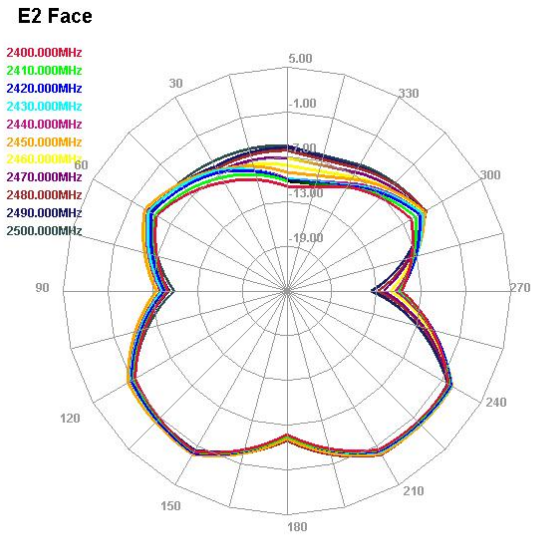
Phi=0°



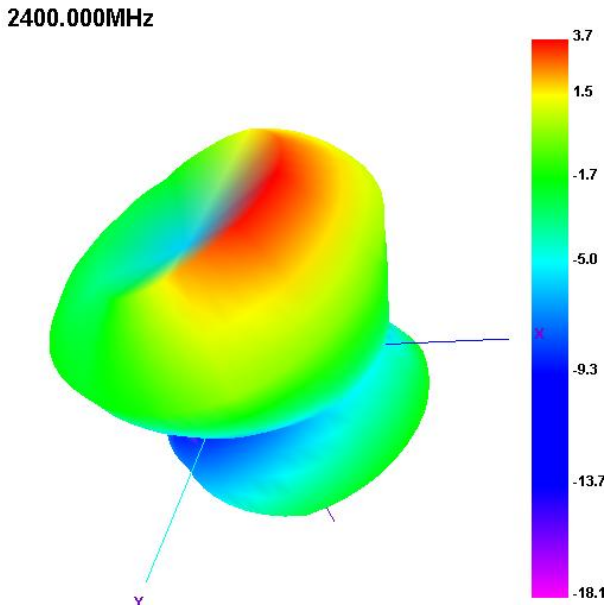
Phi=90°



Theta=90°

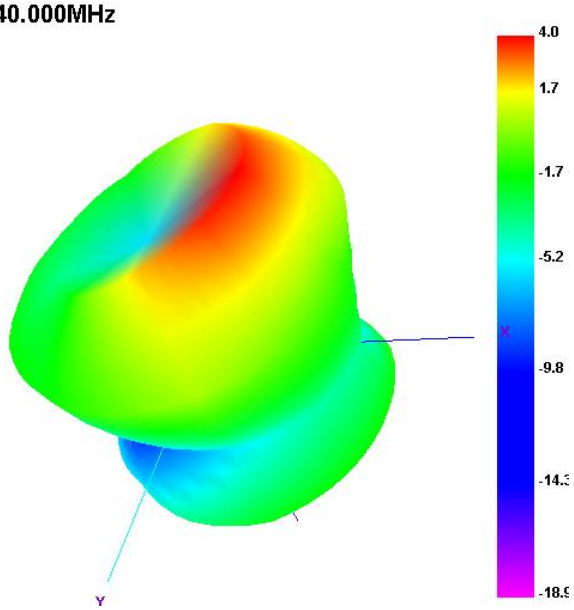


2. 3D Radiation Pattern

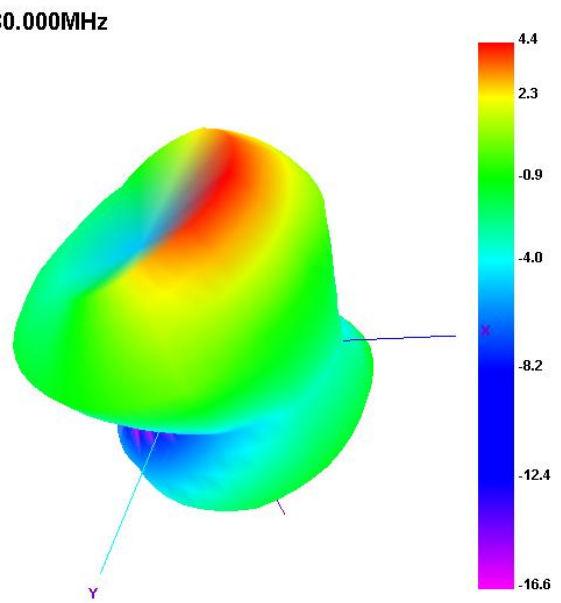


江苏惠通集团
JIANGSU HUITONG GROUP

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	欧铊	2021.01.12	2024.01.11
3	Antenna Measurement System	N/A	OTATester V4.303	欧铊	N/A	N/A

END OF REPORT