



Report Number: SZ22090074E01

Test Report

Applicant : Xinhai Technology (Shenzhen) Co., Ltd.

Sample Name : Bluetooth module

model : CSM92F25

trademark : N/A

brand : N/A

testing standard : GB/T 9410-2008

date received : 2022-09-06

Test Date : 2022-09-07

date of issue : 2022-09-13

Prepared by:

Fang Jinshan

Fang Jinshan

sign and issue :

Chi Shide

Chi Shide

This report is not intended as proof of compliance with societal requirements; it is intended solely for research, teaching, or internal quality control purposes.

Note: This report is issued by Shenzhen Moore Huanyu Communication Technology Co., Ltd.; it may not be reproduced without the prior written permission of Shenzhen Moore Huanyu Communication Technology Co., Ltd. The test results contained in this report are applicable only to specific samples and particular tests; the information herein can be verified and confirmed on our website.

MORLAB

Shenzhen Moore Huanyu Communication
Technology Co., Ltd. · China · Shenzhen · Bao'an
District · Baocheng, No.67, Longchang Road, No.8
Feiyang Technology Park, Floors 1-3, Building A

Tel: +86-755-36698555

Website: <http://www.morlab.cn>

Fax: +86-755-36698525

Email: service@morlab.cn





Catalogue

1. essential information.....	3
1.1. Applicant and Manufacturer Information.....	3
1.2. Sample Information.....	3
2. test result.....	4
2.1. References.....	4
2.2. Sample Testing Conditions.....	4
2.3. uncertainty of measurement.....	4
3. test result.....	5
3.1. gain.....	5
Annex A: Sample Photographs.....	6
Annex B – Radiation Diagram.....	8
Annex C: Testing Institution Information.....	11
matters need attention.....	12

Change Record		
Edition	Date	Change Reason
1.0	2022-09-13	Editio princeps



1. Essential Information

Note: Provided by the Applicant and the Manufacturer.

1.1. Applicant and Manufacturer Information

Applicant:	Xinhai Technology (Shenzhen) Co., Ltd.
Applicant's Address:	3rd Floor, Building T4, Shenzhen Bay Innovation Technology Center, Nanshan District, Shenzhen
Manufacturer :	N/A
Manufacturer Address:	N/A

1.2. Sample Information

Frequency range :	2400MHz-2500MHz
Polarization mode:	N/A
IMEI:	N/A
Sample Number:	2#

remarks :

1. For detailed sample information, please refer to the user manual provided by the applicant or the manufacturer.

.



2. Test Result

2.1. References

Primary reference documentation for testing:

Order number	Document name	Document Title
1	GB/T 9410-2008	General Technical Specification for Mobile Communication Antennas

2.2. Sample Testing Conditions

During the testing process, the environmental conditions shall fall within the specified range:

Temperature (°C) :	10 - 30
Relative humidity (%):	25 - 75

2.3. Uncertainty of Measurement

The measurement uncertainty shall be calculated in accordance with the ISO standard "Guide to the Expression of Uncertainty in Measurement" (GUM). When the test result corresponds to a threshold value, our company will provide the measurement uncertainty and issue a determination result based on a 95% confidence interval.

Project	Measurement uncertainty (dB)
Gain	± 0.5
Voltage standing-wave ratio	± 0.2
The expanded uncertainty is expressed using a K = 2 coverage factor and a 95% confidence interval.	



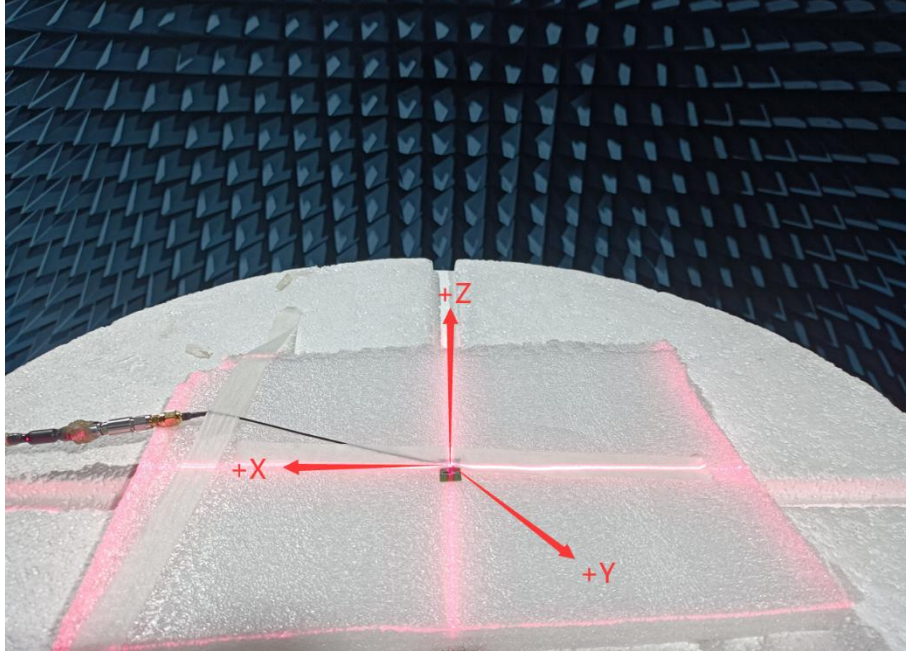
3. Test Result

3.1. Gain

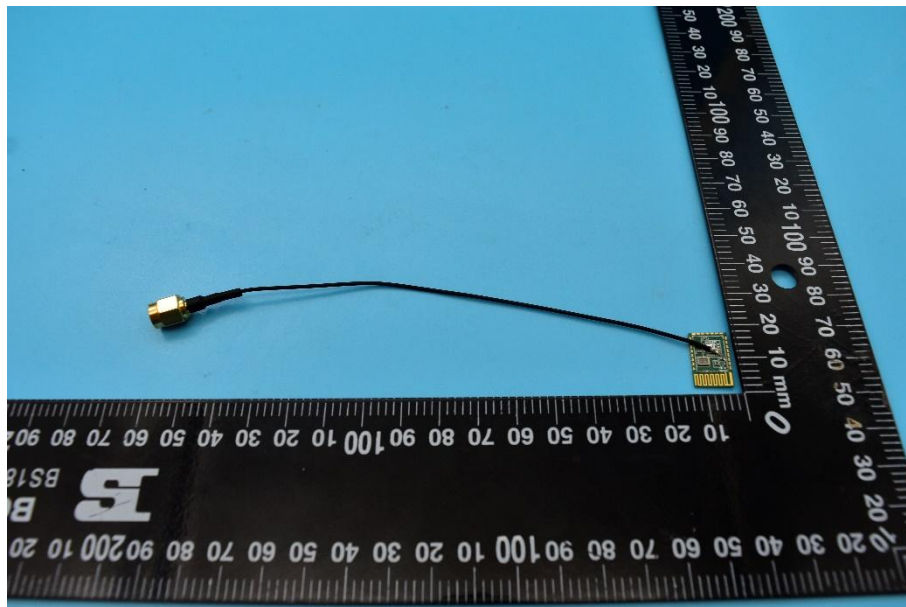
Frequency (MHz)	Gain (dBi)
2400	1.84
2410	1.58
2420	1.24
2430	0.92
2440	0.81
2450	0.60
2460	0.28
2470	-0.15
2480	-0.65
2490	-1.11
2500	-1.47

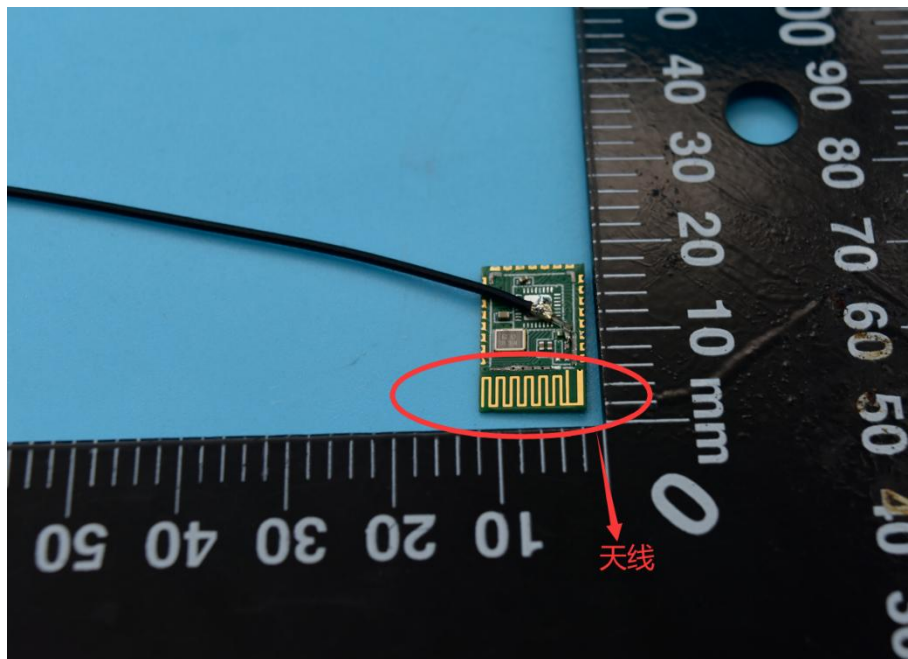
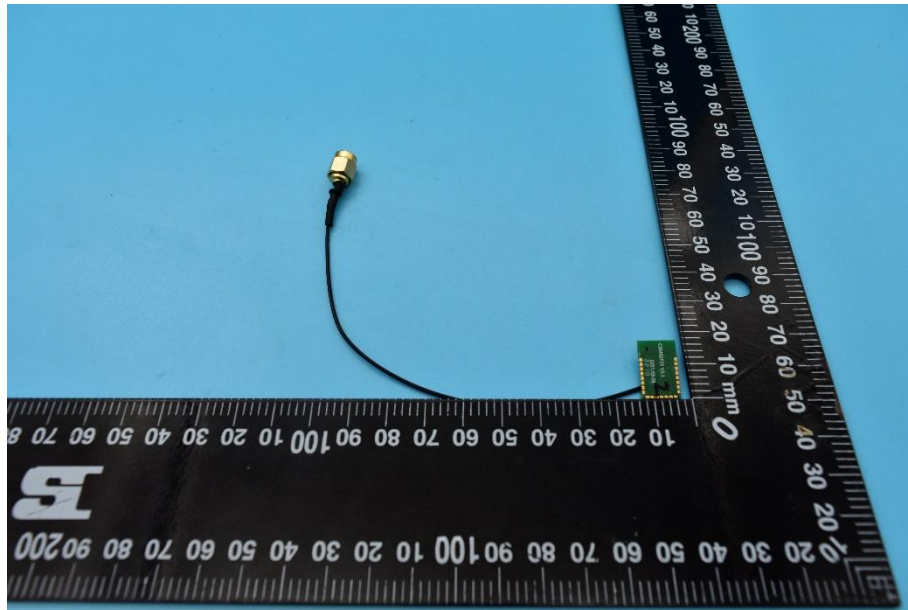
Annex A: Sample Photographs

1. Test Photo



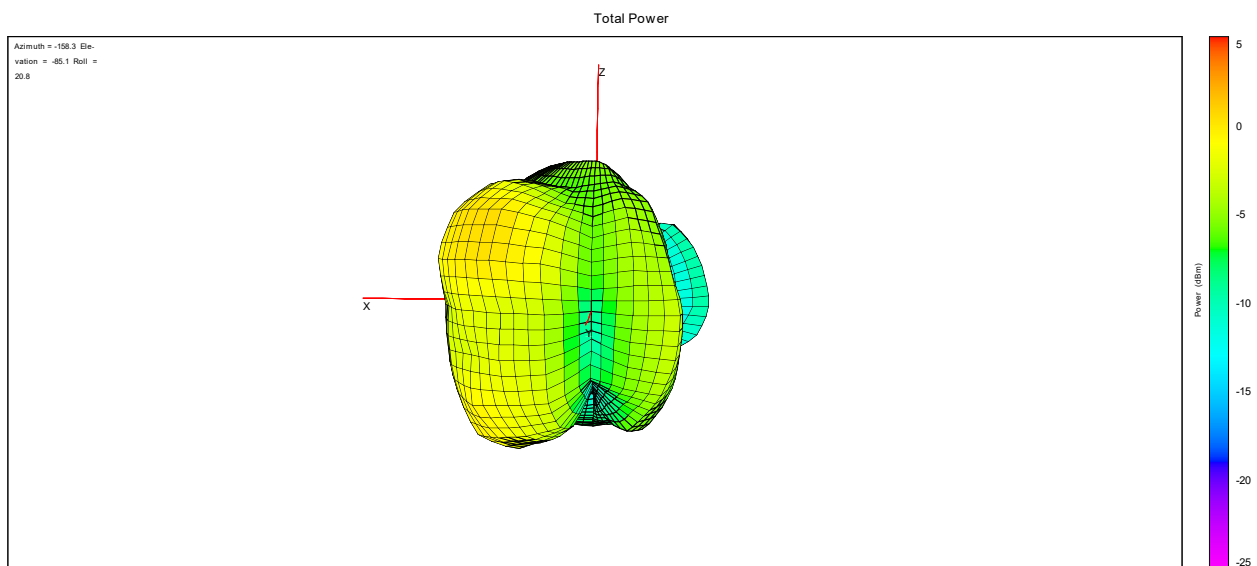
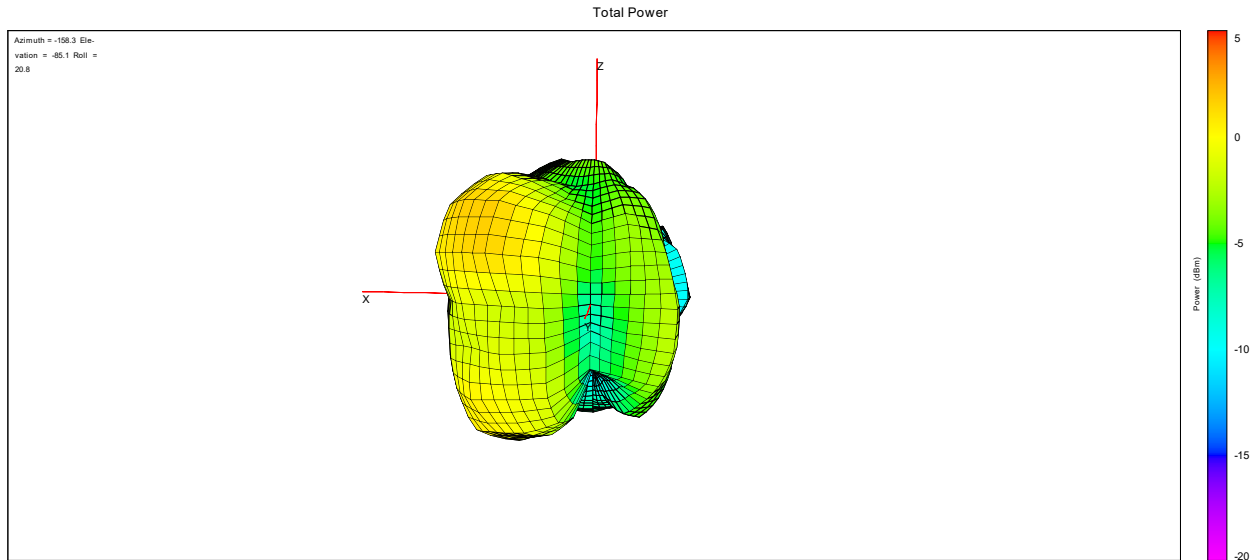
2. Sample photo

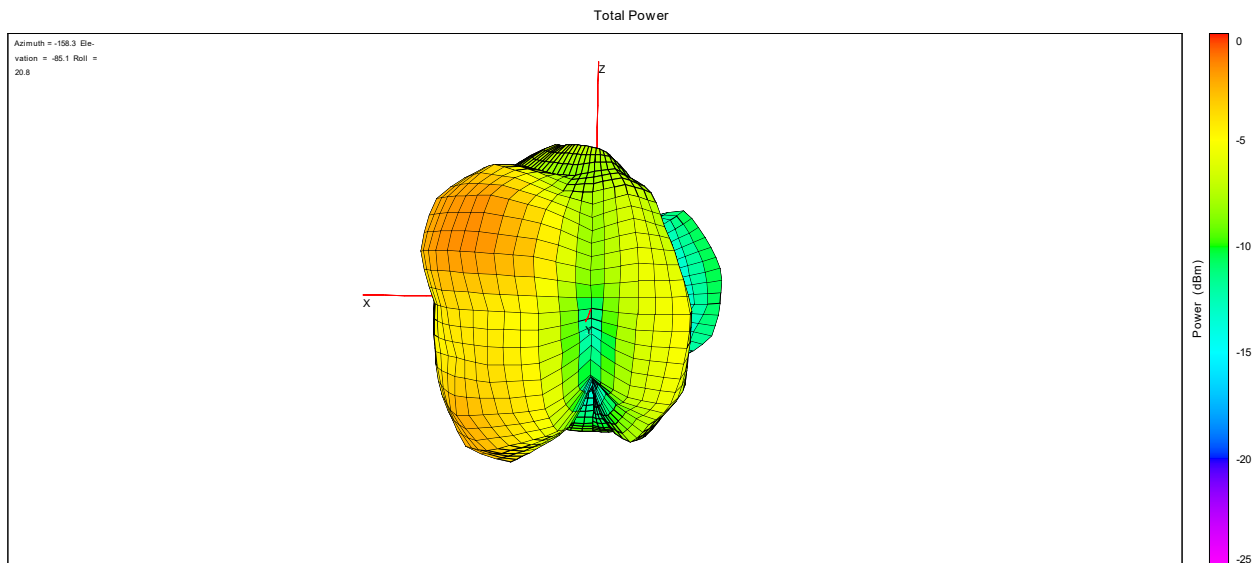




Annex B – Radiation Diagram

a) 3D Graph





2500MHz

b) 2D Graph

