



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:

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sign and issue :

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MORLAB

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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.

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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.	



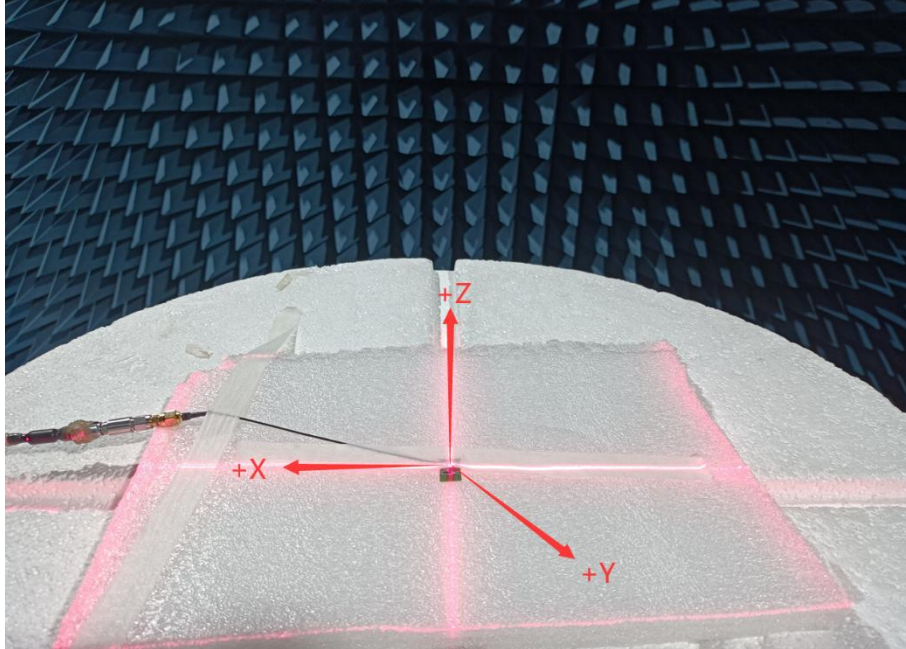
3. Test Result

3.1. Gain

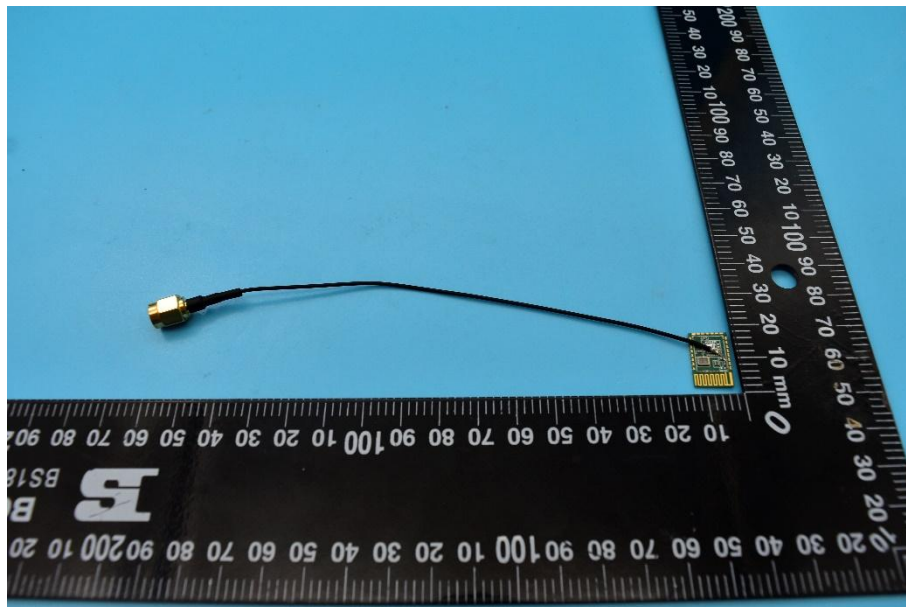
Frequency (MHz)	Gain (dBi)
2400	1.84
2410	1.58
2420	1.24
2430	0.92
2440	0.81
2450	0.60
2460	0.28
2470	-0.15
2480	-0.65
2490	-1.11
2500	-1.47

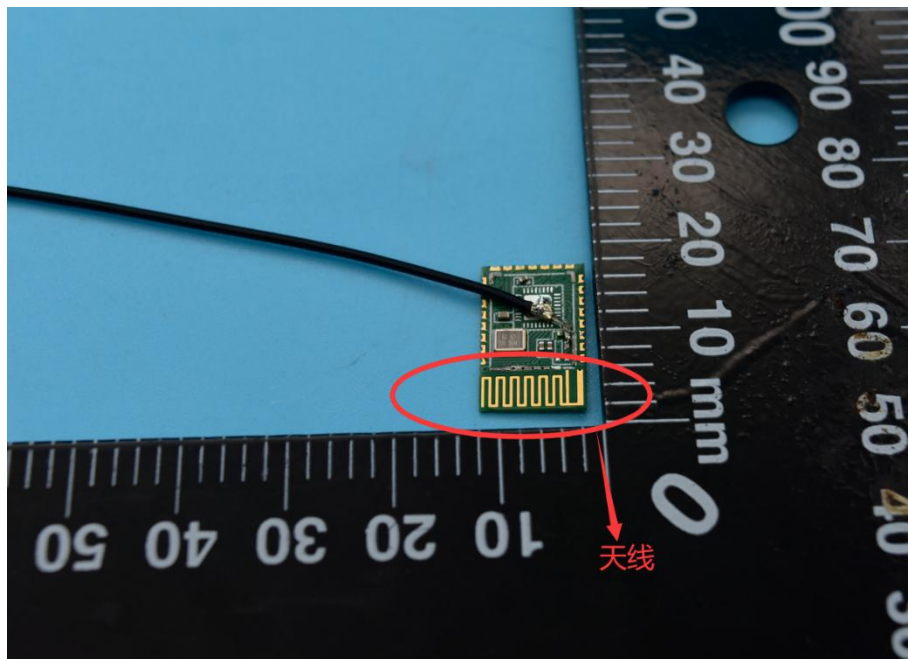
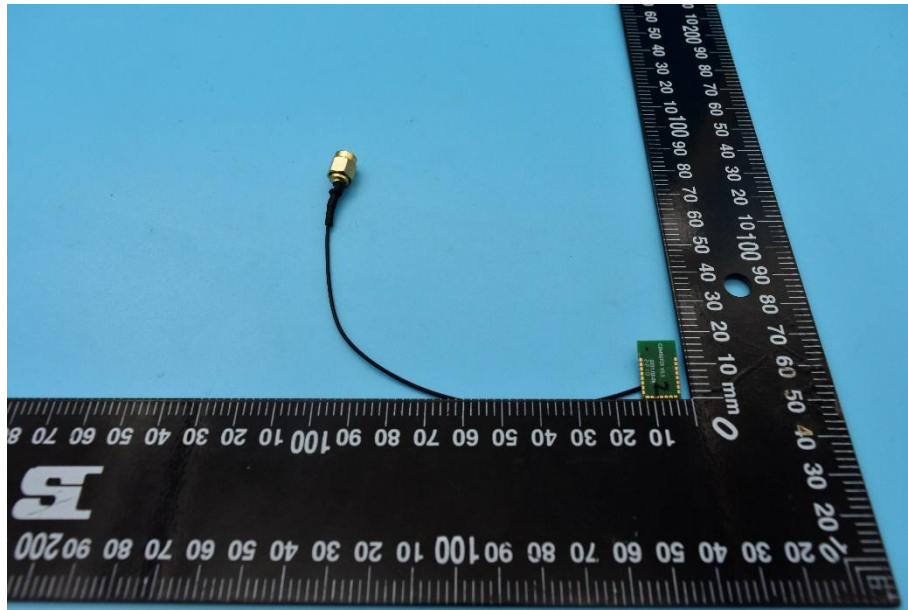
Annex A: Sample Photographs

1. Test Photo



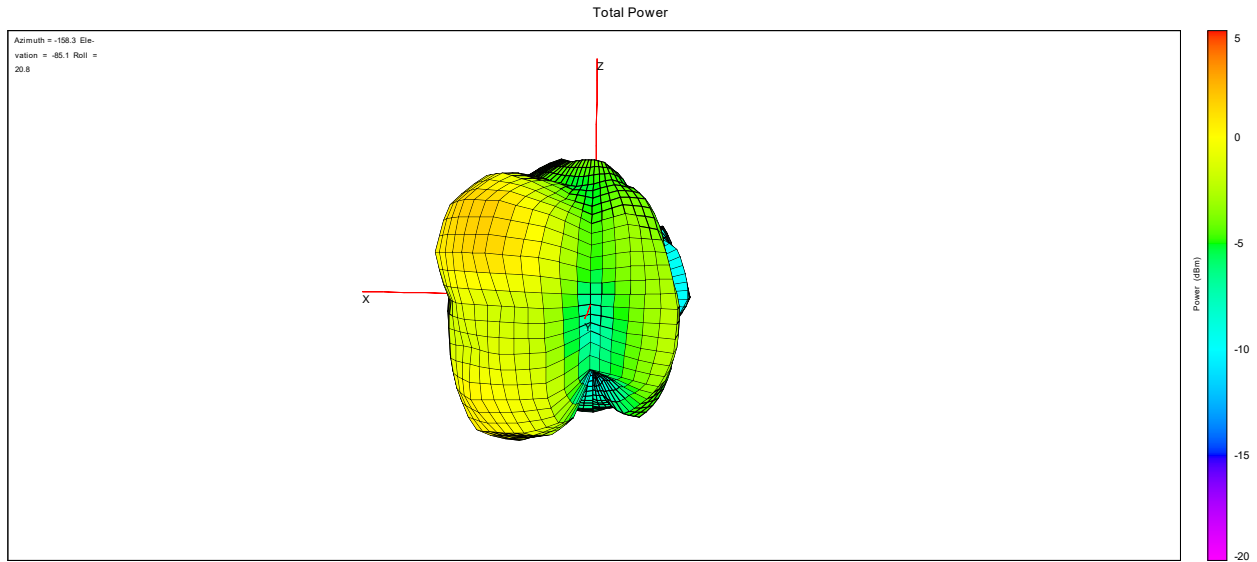
2. Sample photo



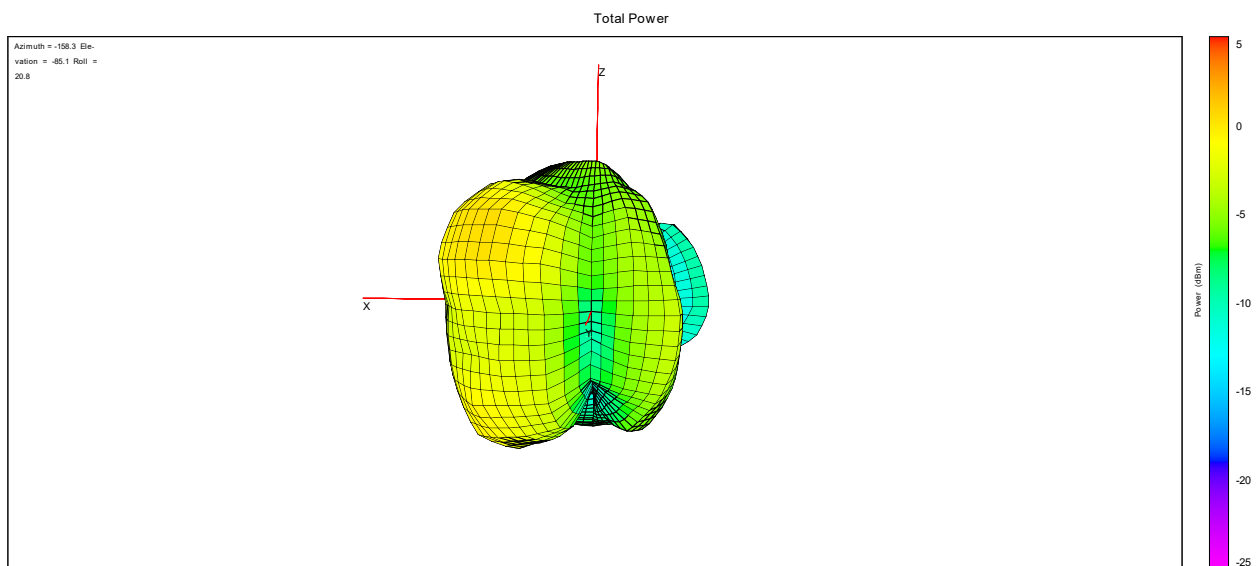


Annex B – Radiation Diagram

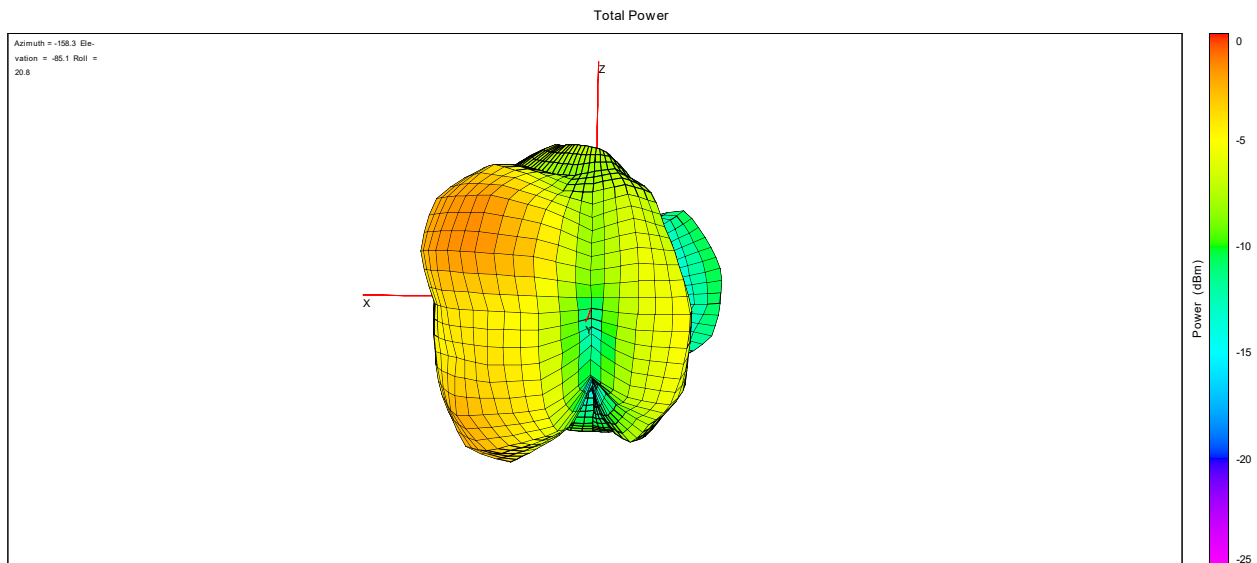
a) 3D Graph



2400MHz



2450MHz



2500MHz

b) 2D Graph

