



TEST REPORT

APPLICANT : Shenzhen Hohem Technology Co.,Ltd.

PRODUCT NAME : Hohem Module

MODEL NAME : HH_BM03

TRADE NAME : hohem

BRAND NAME : hohem

STANDARD(S) : IEEE Std 149-2021

RECEIPT DATE : 2023-05-23

TEST DATE : 2023-05-24

ISSUE DATE : 2023-06-14

Edited by: Fang Jinshan
Fang Jinshan(Rapporteur)

Approved by: Chi Shide
Chi Shide(Supervisor)

NOTE: This document is issued by Shenzhen Morlab Communications Technology Co., Ltd., the test report shall not be reproduced except in full without prior written permission of the company. The test results apply only to the particular sample(s) tested and to the specific tests carried out which is available on request for validation and information confirmed at our website.





DIRECTORY

- 1. Technical Information3
- 1.1. Applicant and Manufacturer Information3
- 1.2. Equipment Under Test (EUT) Description3
- 2. Test Results 4
- 2.1. Applied Reference Documents4
- 2.2. Test Conditions 4
- 2.3. Measurement Uncertainty 4
- 2.4. Test Results lists5
- Annex A Test Setup Photos6
- Annex B Figures7
- 1. 2D Radiation Pattern 7
- 2. 3D Radiation Pattern 8
- Annex C General Information10
- 1.1 Identification of the Responsible Testing Laboratory10
- 1.2 Identification of the Responsible Testing Location10
- 1.3 Test Equipments Utilized 10
- Annex D EUT Photos

Change History		
Version	Date	Reason for change
1.0	2023-06-14	First edition

1. Technical Information

Note: Provide by applicant.

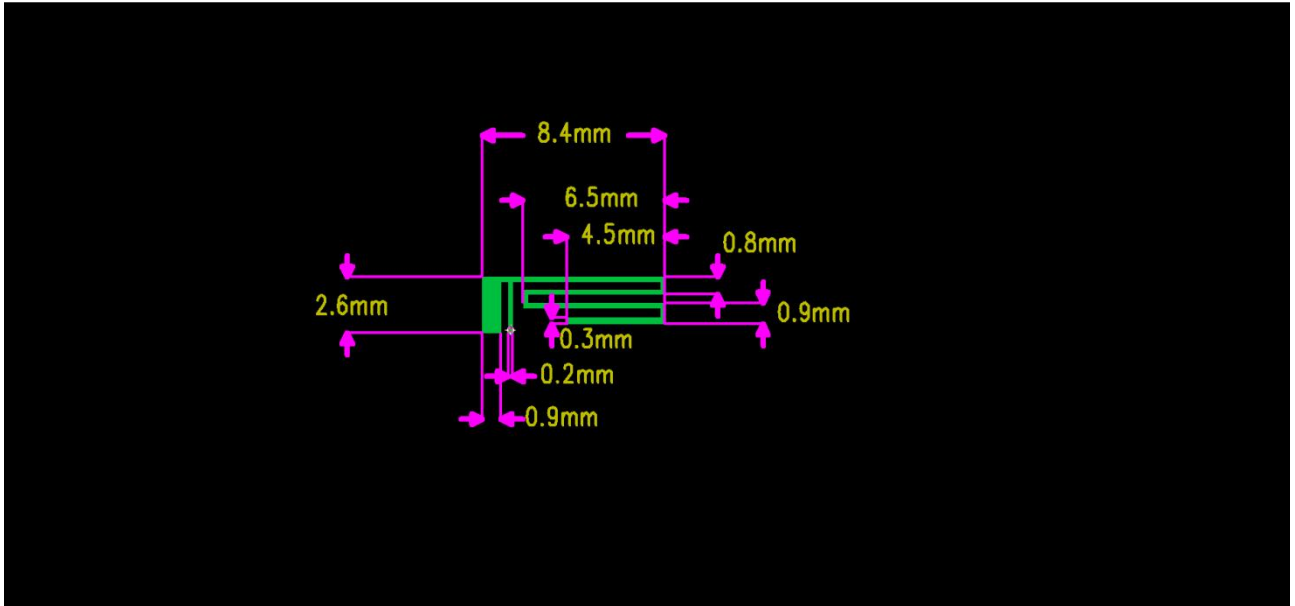
1.1. Applicant and Manufacturer Information

Applicant:	Shenzhen Hohem Technology Co.,Ltd.
Applicant Address:	B106,University Creative Park,Xili,Nanshan,Shenzhen,China
Manufacturer:	Shenzhen Hohem Technology Co.,Ltd.
Manufacturer Address:	B106,University Creative Park,Xili,Nanshan,Shenzhen,China

1.2. Equipment Under Test (EUT) Description

Wireless Type	N/A
Frequency	2400MHz-2500MHz
IMEI	N/A
Product HW Version	V1.00
Product SW Version	V1.001
Sample No.	1#

Dimension:





2. Test Results

2.1. Applied Reference Documents

Leading reference documents for testing:

No.	Identity	Document Title
1	IEEE Std 149-2021	IEEE Recommended Practice for Antenna Measurements

2.2. Test Conditions

Test Environment Conditions:

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

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. When the test result is a critical value, we will use the measurement uncertainty give the judgment result based on the 95% Confidence intervals.

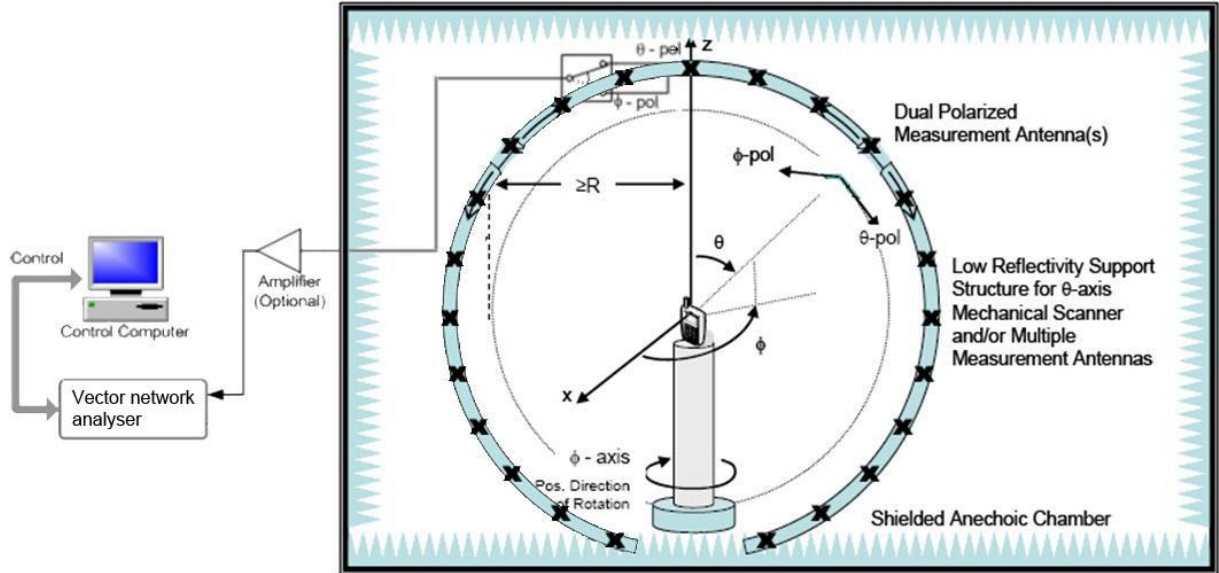


2.4. Test Results lists

2.4.1. Gain

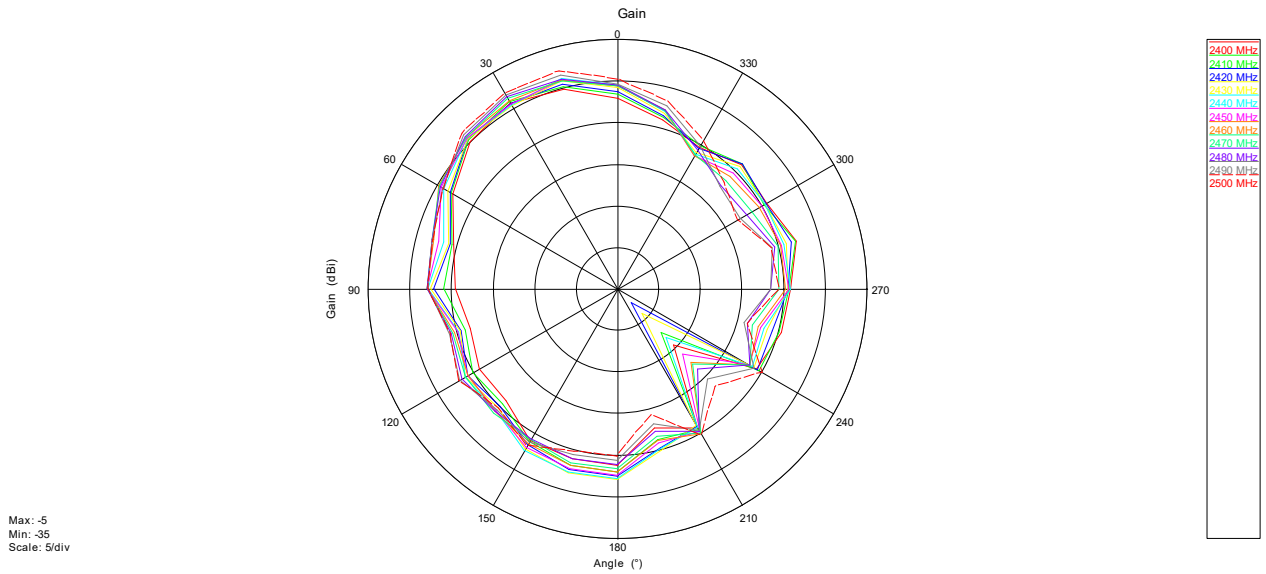
Frequency (MHz)	Gain(dBi)
2400	-2.34
2410	-2.20
2420	-2.08
2430	-1.86
2440	-1.72
2450	-1.69
2460	-1.78
2470	-1.82
2480	-1.72
2490	-1.67
2500	-1.51

Annex A Test Setup Photos

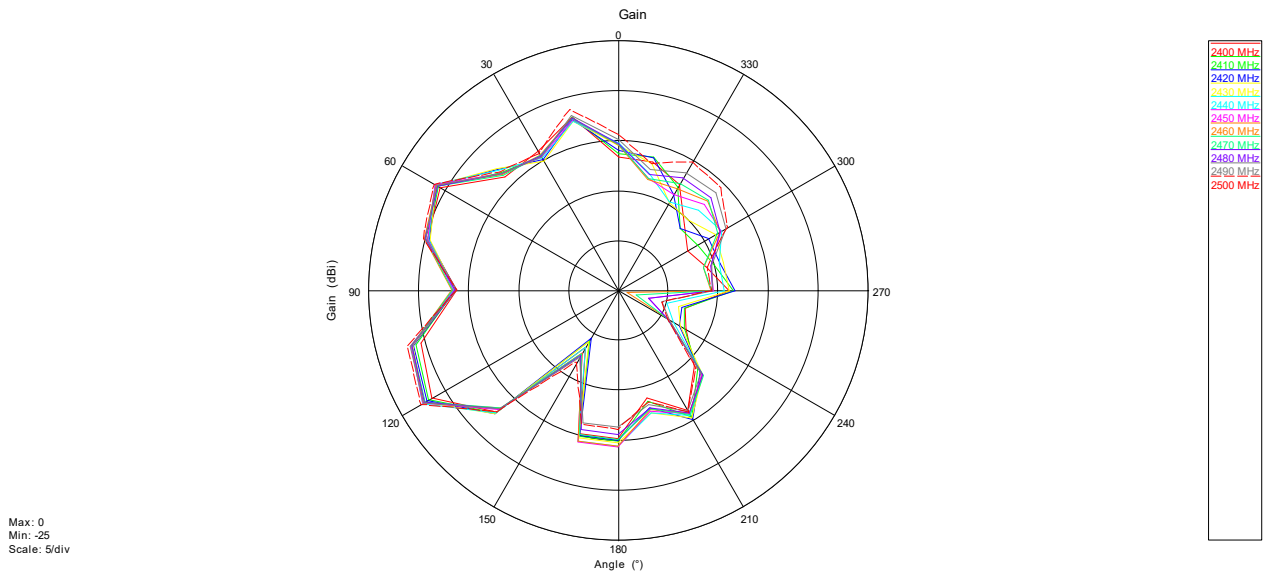


Annex B Figures

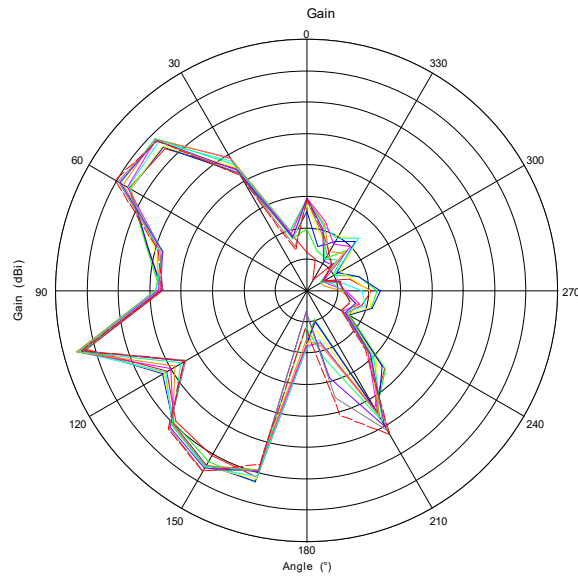
1. 2D Radiation Pattern



Phi=0°



Phi=90°

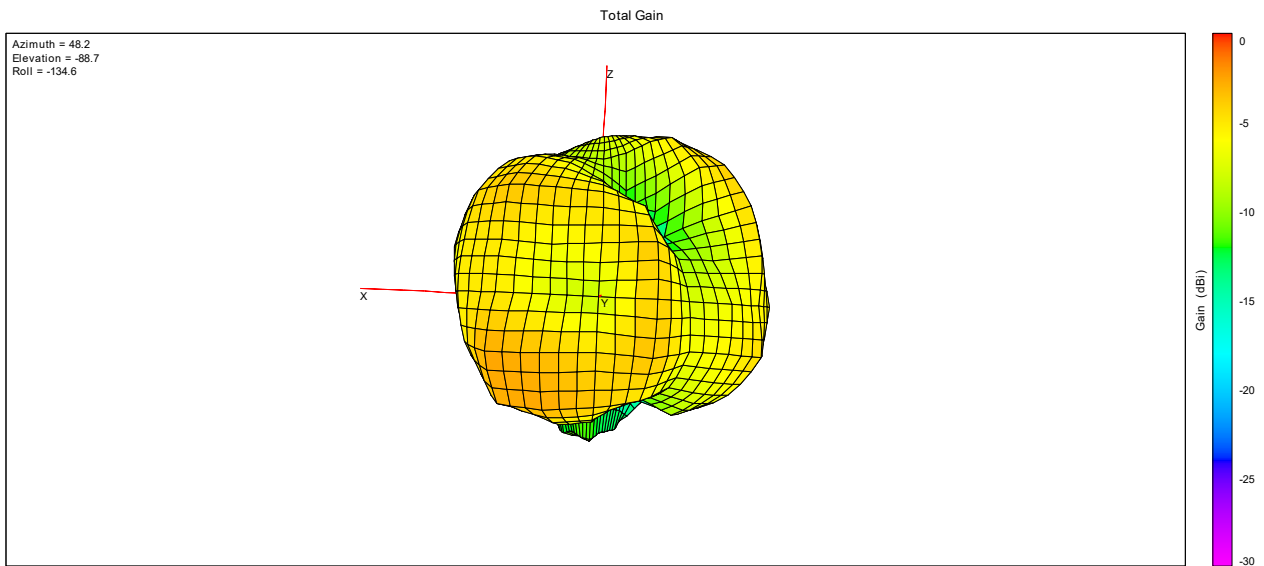


2400 MHz
2410 MHz
2420 MHz
2430 MHz
2440 MHz
2450 MHz
2460 MHz
2470 MHz
2480 MHz
2490 MHz
2500 MHz

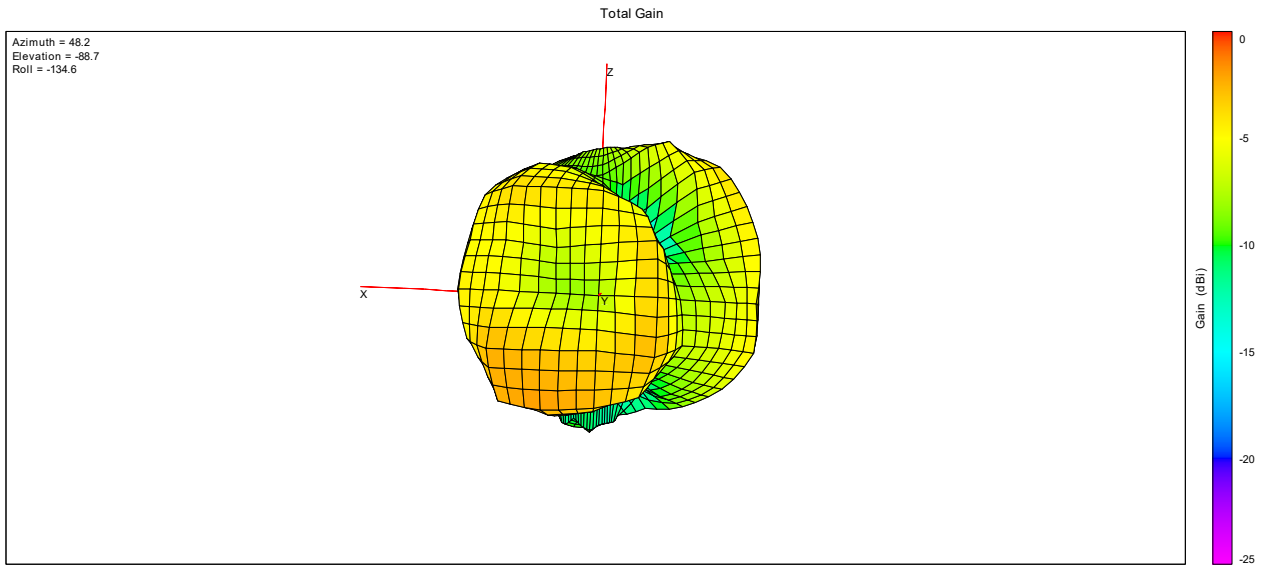
Max: -2
Min: -18
Scale: 2/div

Theta=90°

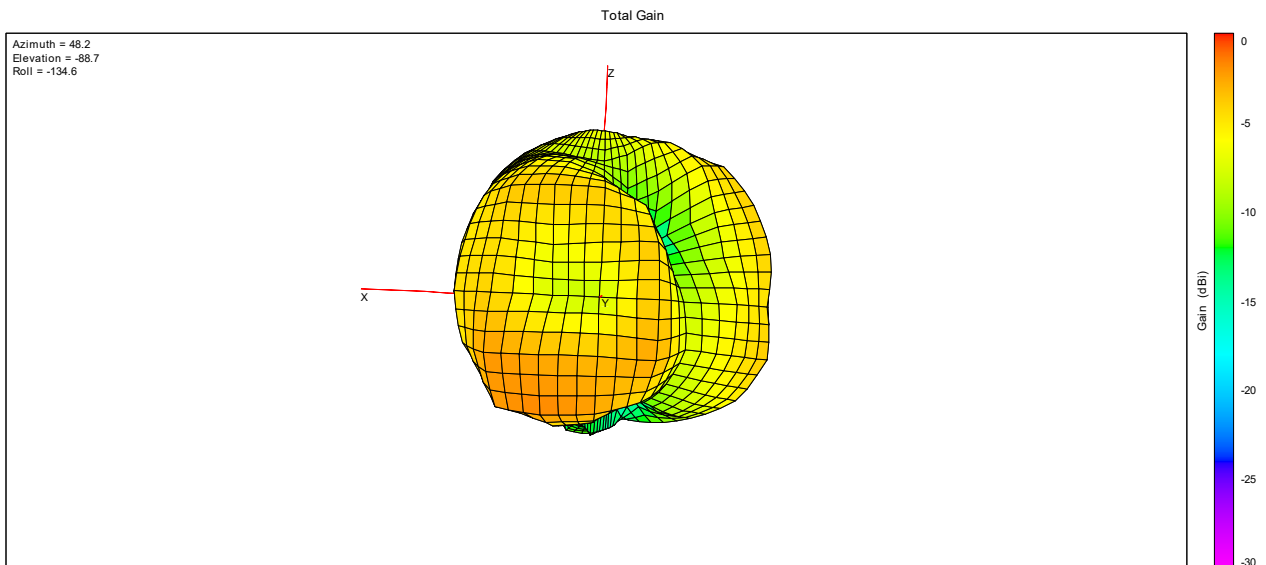
2. 3D Radiation Pattern



2400MHz



2450MHz



2500MHz



Annex C General Information

1.1 Identification of the Responsible Testing Laboratory

Laboratory Name:	Shenzhen Morlab Communications Technology Co., Ltd.
Laboratory Address:	FL.1-3, Building A, FeiYang Science Park, No.8 LongChang Road, Block67, BaoAn District, ShenZhen , Guangdong Province, P. R. China
Telephone:	+86 755 36698555
Facsimile:	+86 755 36698525

1.2 Identification of the Responsible Testing Location

Name:	Shenzhen Morlab Communications Technology Co., Ltd.
Address:	FL.1-3, Building A, FeiYang Science Park, No.8 LongChang Road, Block67, BaoAn District, ShenZhen , Guangdong Province, P. R. China

1.3 Test Equipments Utilized

No.	Equipement Name	Serial No.	Type	Manufacturer	Cal.Date	Cal.Due Date
1	Network Analyzer	MY46110140	E5071C	Agilent	2022.07.04	2023.07.03
2	OTA Chamber	TJ2235-Q1793	AMS-8923 -150	ETS	2022.11.30	2025.11.29
3	Antenna Measurement System	1685	EMQuest EMQ-100 V 1.13 Build 21267	ETS	N/A	N/A

Note:The Main report is end here and the other Annex D will be submitted separately.

————— END OF MIAN REPORT —————