



REPORT No.: SZ22030150E01

TEST REPORT

APPLICANT : Guangzhou LEBI Computer Technology Co.,Ltd.

PRODUCT NAME : PCB

MODEL NAME : M0-2BLE8-V2.42-20220317

TRADE NAME : N/A

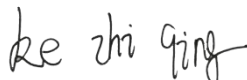
BRAND NAME : N/A

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

RECEIPT DATE : 2022-03-10

TEST DATE : 2022-03-10

ISSUE DATE : 2022-03-22

Edited by: 
Ke Zhiqing(Rapporteur)

Approved by: 
Chi Shide(Supervisor)

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Shenzhen Morlab Communications Technology Co., Ltd., FL1-3, Building A,
FeiYang Science Park, No.8 LongChang Road, Block67, BaoAn District,
ShenZhen, GuangDong Province, P. R. China

Tel: 86-755-36698555
Http://www.morlab.cn

Fax: 86-755-36698525
E-mail: service@morlab.cn





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Change History		
Version	Date	Reason for change
1.0	2022-03-22	First edition



1. Technical Information

Note: Provide by manufacturer.

1.1. Applicant and Manufacturer Information

Applicant:	Guangzhou LEBI Computer Technology Co.,Ltd.
Applicant Address:	3/f, EASIDA building, No. 6 Tianbao Road, North Dongsheng industrial zone, Panyu County Avenue, Guangzhou City
Manufacturer:	Guangzhou LEBI Computer Technology Co.,Ltd.
Manufacturer Address:	3/f, EASIDA building, No. 6 Tianbao Road, North Dongsheng industrial zone, Panyu County Avenue, Guangzhou City

1.2. Equipment Under Test (EUT) Description

Wireless Type	Bluetooth
Test frequency band	2400MHz~2483.5MHz
Brand name	N/A
Hardware Version	N/A
Software Version	N/A
IMEI	N/A
Sample number	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. When the test result is a critical value, we will use the measurement uncertainty give the judgment result based on the 95% Confidence intervals.

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



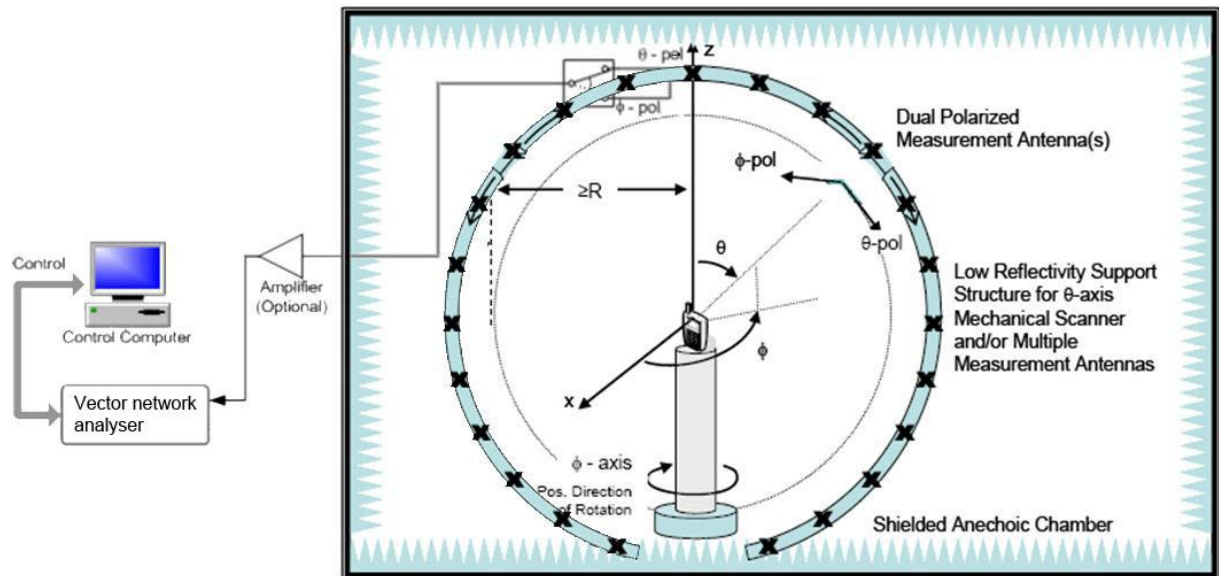
2.4. Test Results lists

2.4.1. Gain

Frequency	Gain(dBi)
2400MHz	-2.77
2410MHz	-2.39
2420MHz	-1.94
2430MHz	-1.59
2440MHz	-1.64
2450MHz	-1.76
2460MHz	-2.38
2470MHz	-2.53
2480MHz	-2.64
2490MHz	-2.77
2500MHz	-3.86

Annex A Photographs

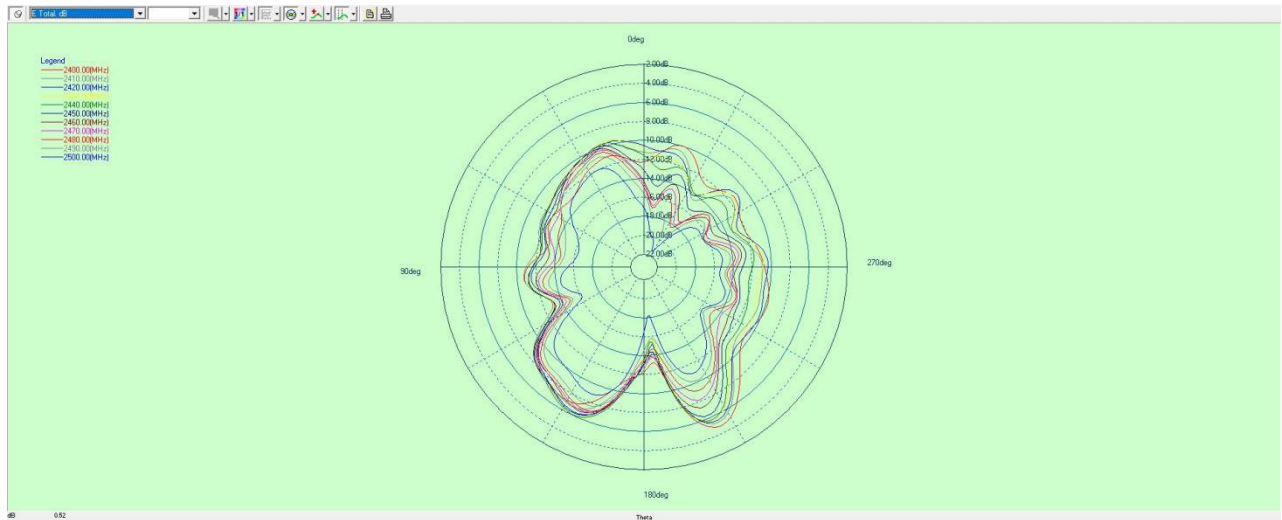
1. Test Setup



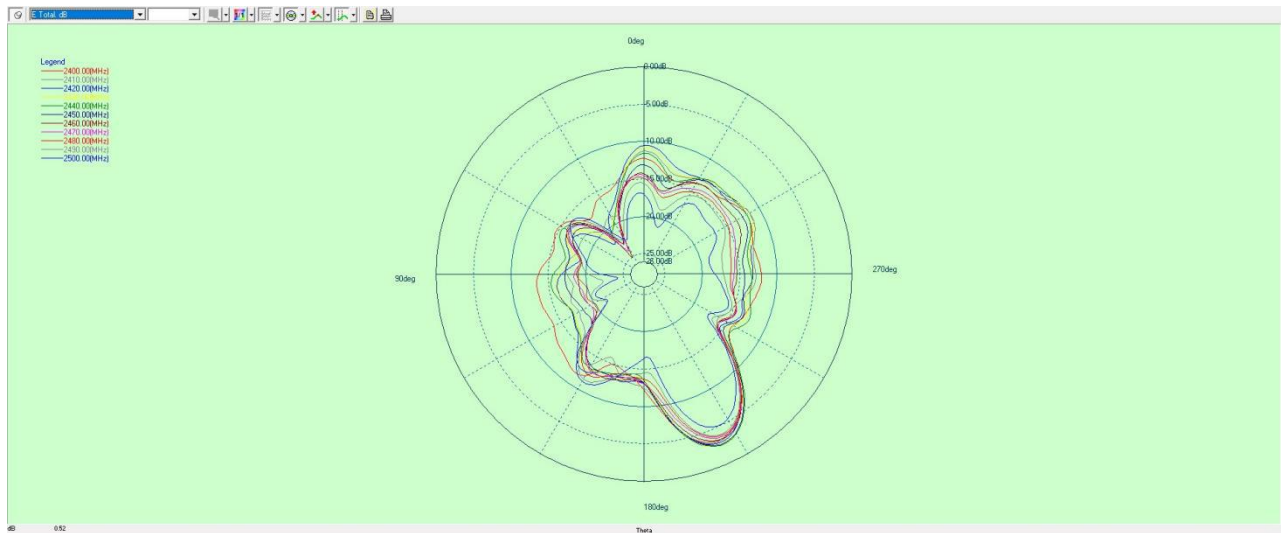
Annex B Figures

1. 2D Radiation Pattern

Phi=0°

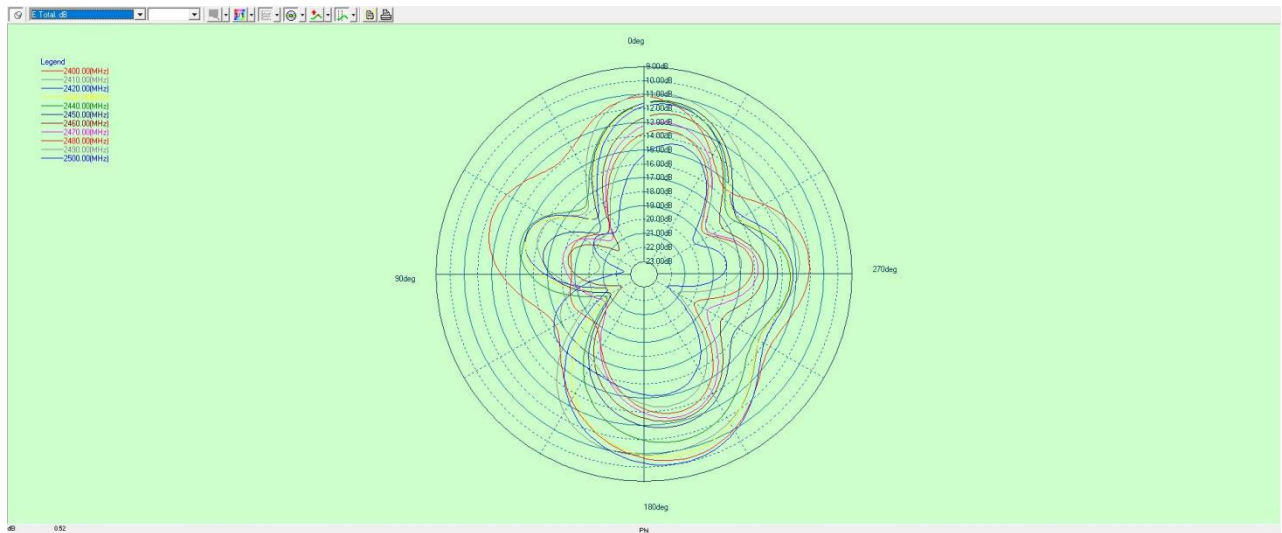


Phi=90°

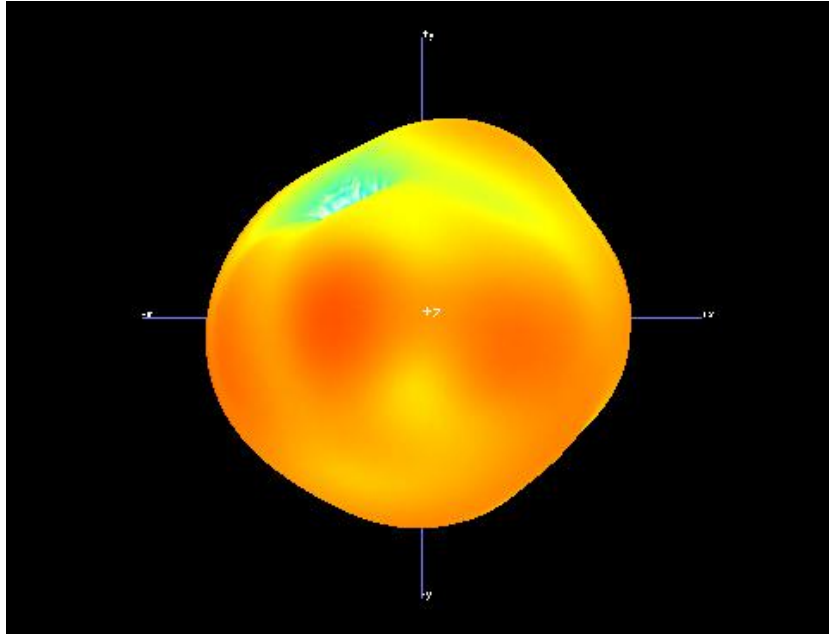




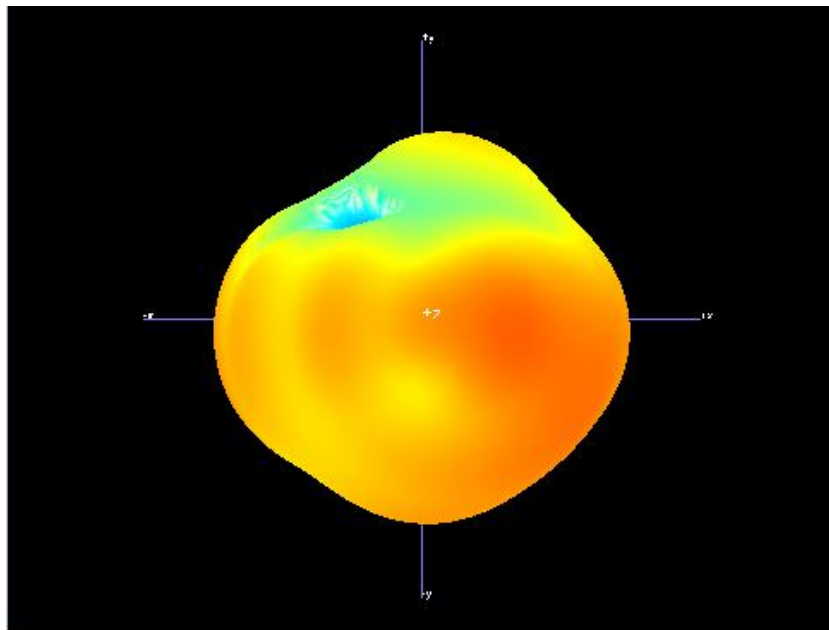
Theta=90°



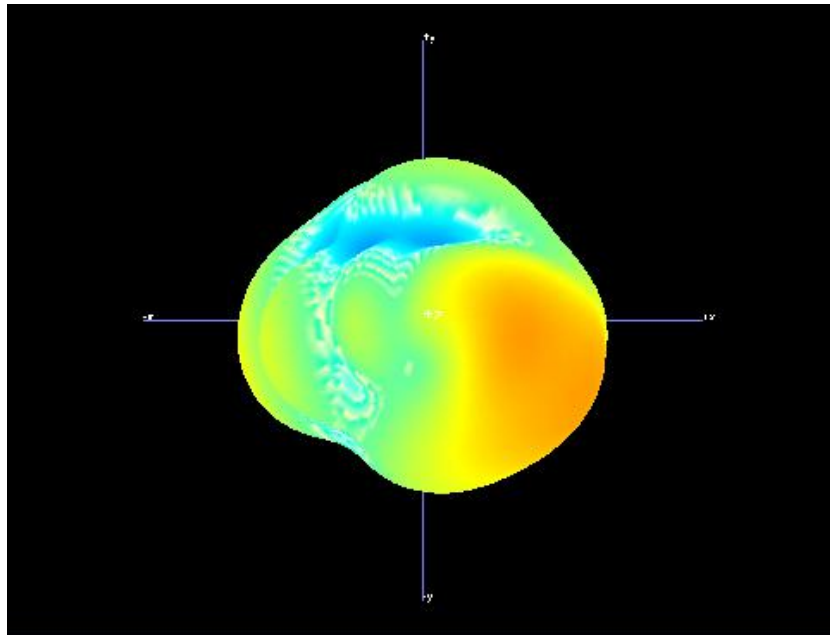
2. 3D Radiation Pattern



2400MHz



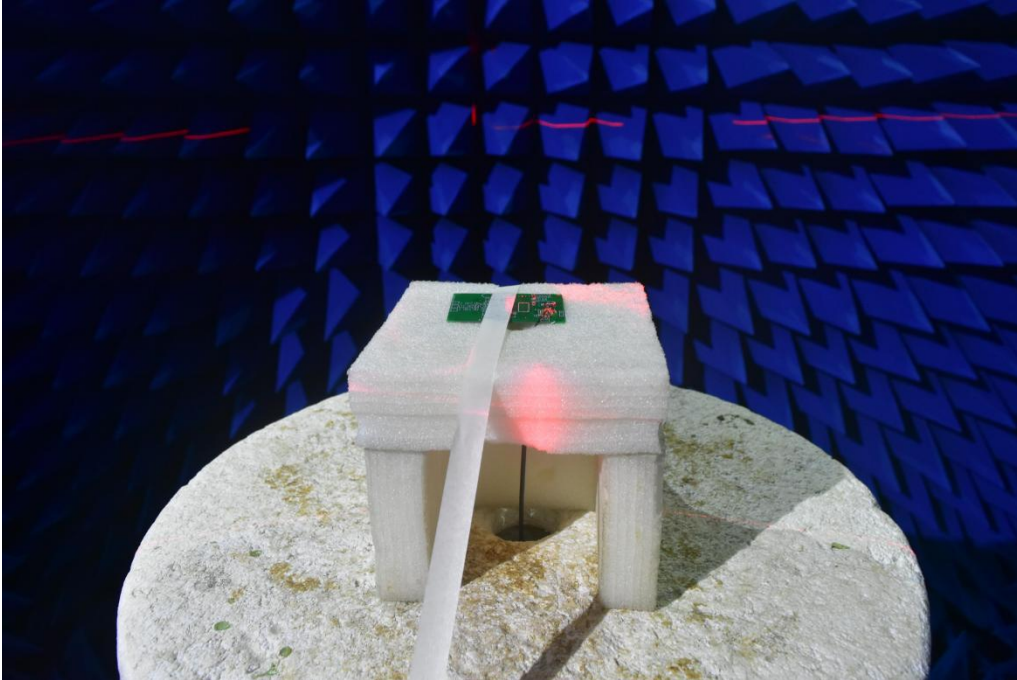
2440MHz



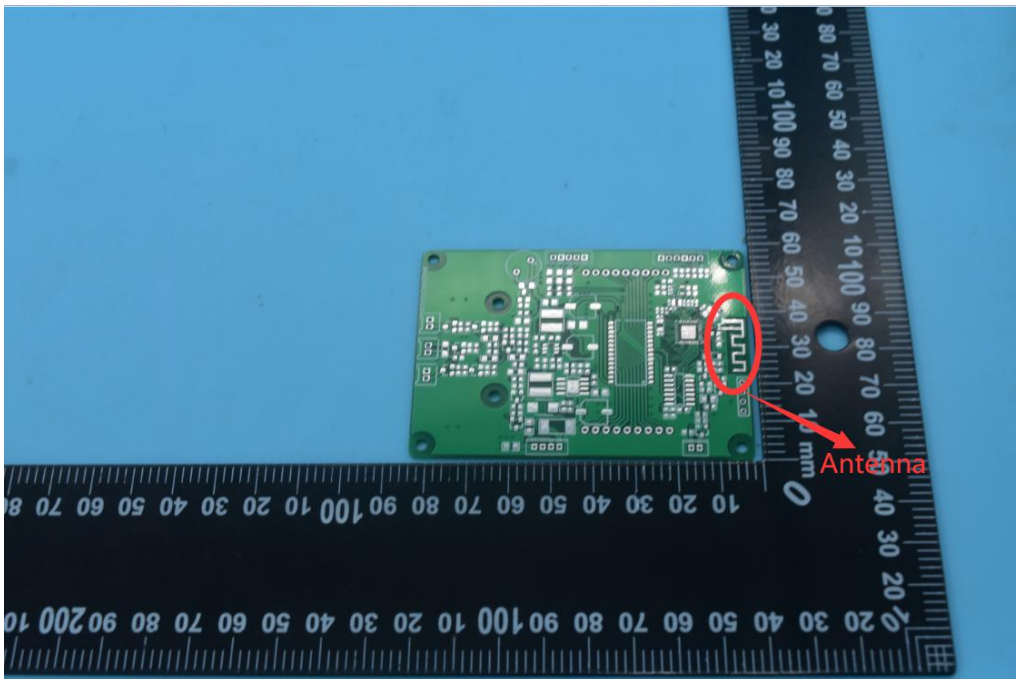
2480MHz

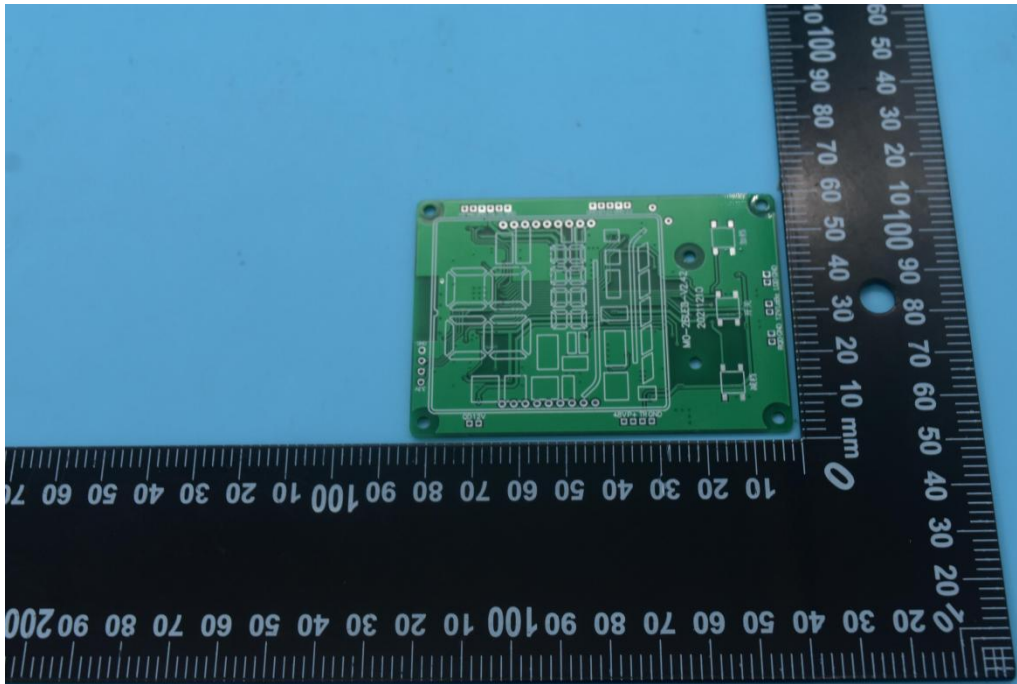
Annex C Photographs

1. Test environment



2. EUT







Annex D General Information

1.1 Identification of the Responsible Testing Laboratory

Laboratory Name:	Shenzhen Morlab Communications Technology Co., Ltd.
Laboratory Address:	FL1-3, 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:	FL1-3, Building A, FeiYang Science Park, No.8 LongChang Road, Block67, BaoAn District, ShenZhen , GuangDong Province, P. R. China

1.3 Test Equipments Utilized

NO.	Equipment Name	Serial NO.	Type	Manufacturer	Cal.Date	Cal.Due Date
1	Vector Network Analyzer	MY46214666	E5071C	Agilent	2022.03.01	2023.02.28
2	OTA Chamber	N/A	SG24	Satimo	2021.01.12	2024.01.11
3	SatEnv	N/A	2.0.1.5 build 12	Satimo	N/A	N/A
4	SPM	N/A	1.11	Satimo	N/A	N/A

————— END OF REPORT —————