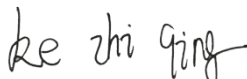





TEST REPORT

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)

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





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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	



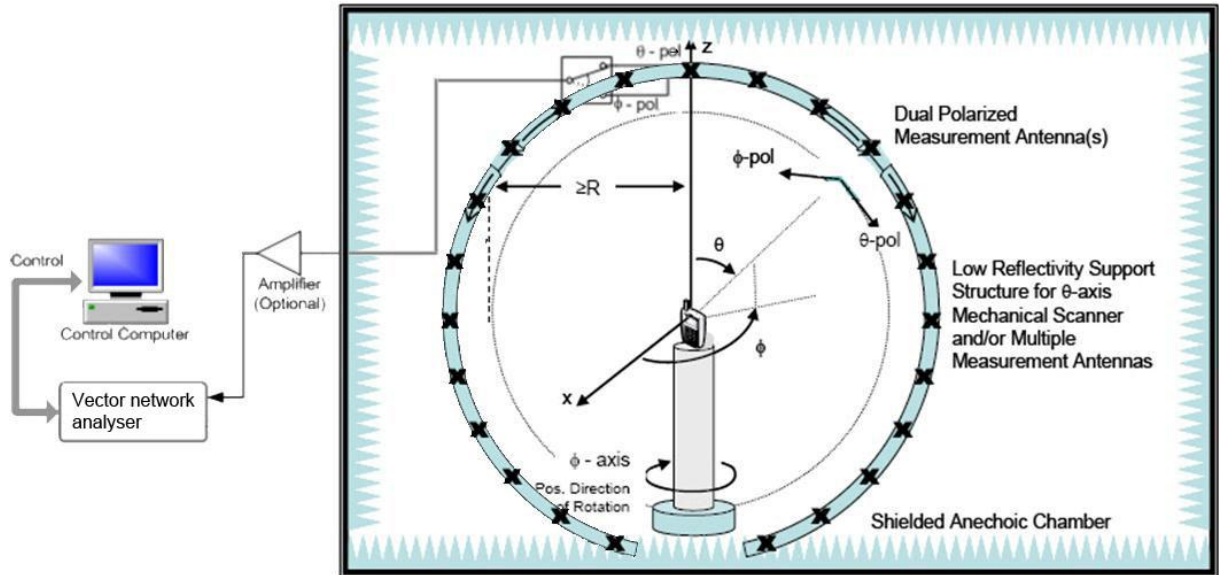
2.4. Test Results lists

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

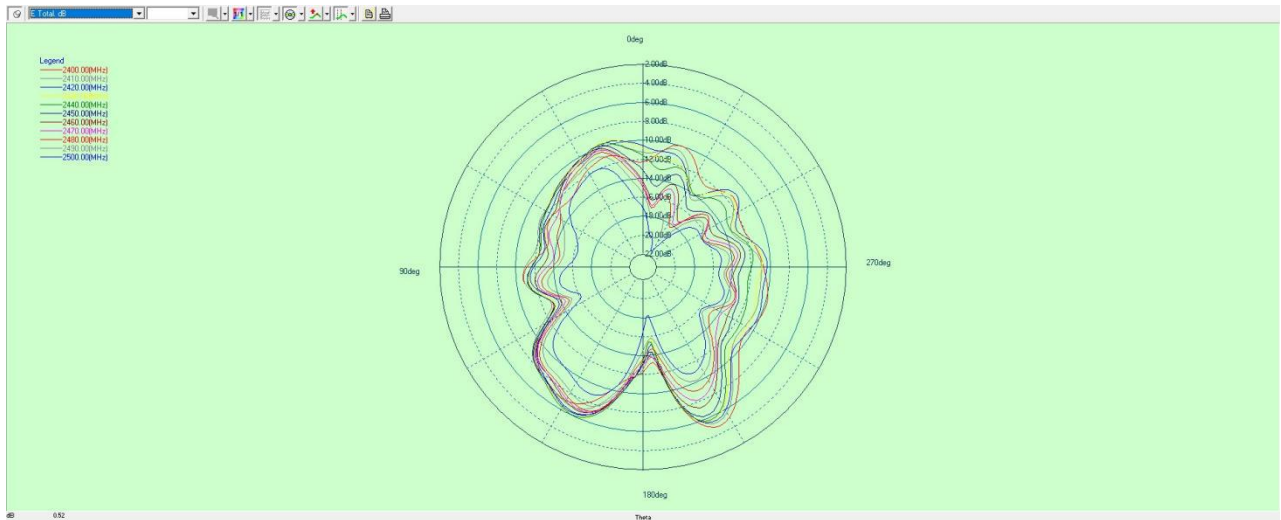
1. Test Setup



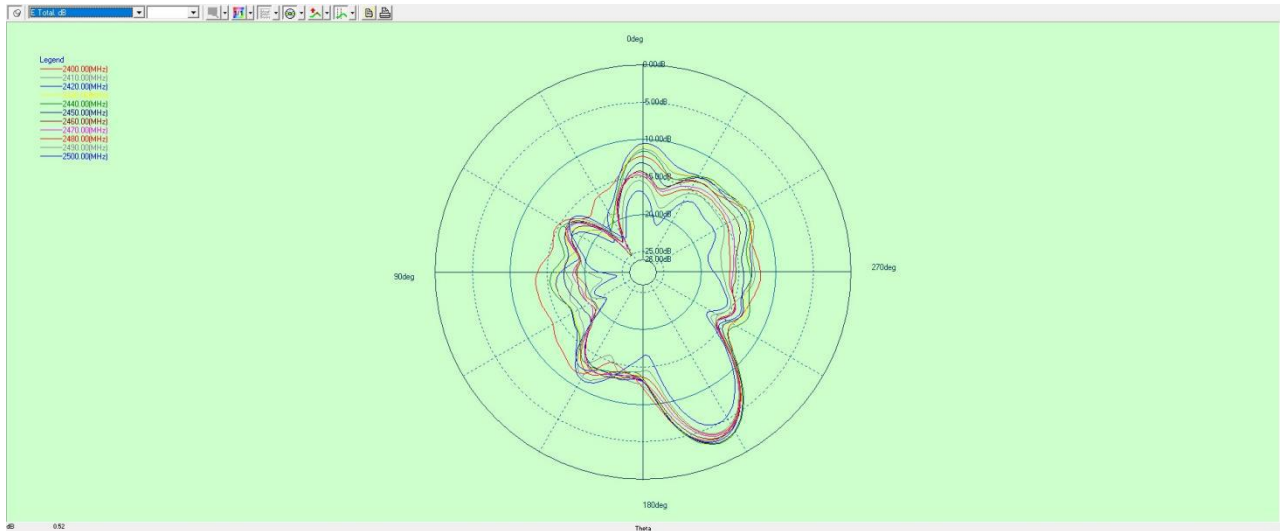
Annex B Figures

1. 2D Radiation Pattern

Phi=0°

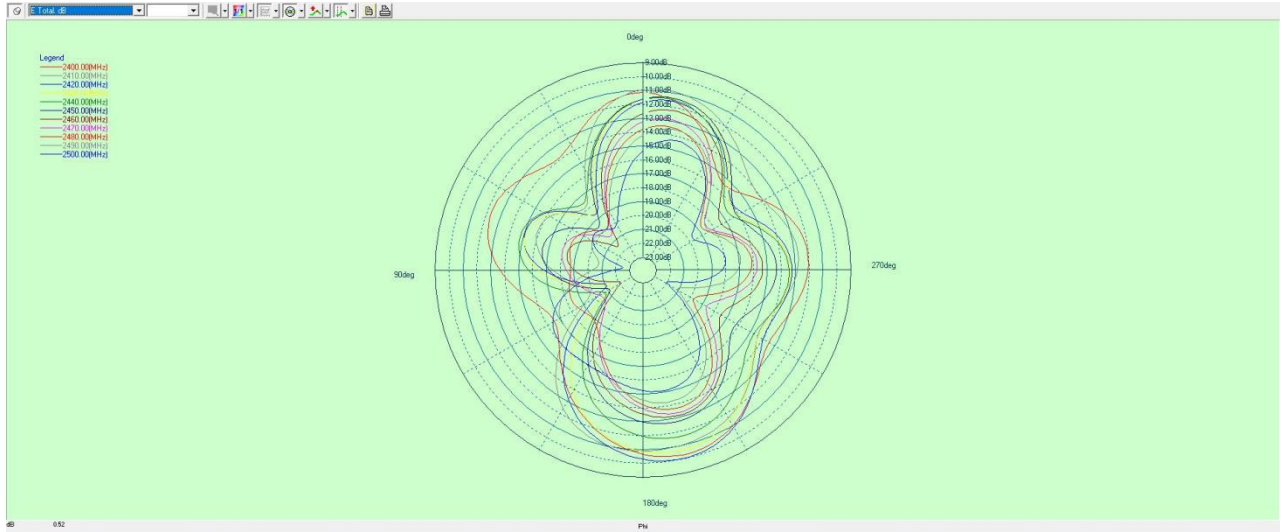


Phi=90°

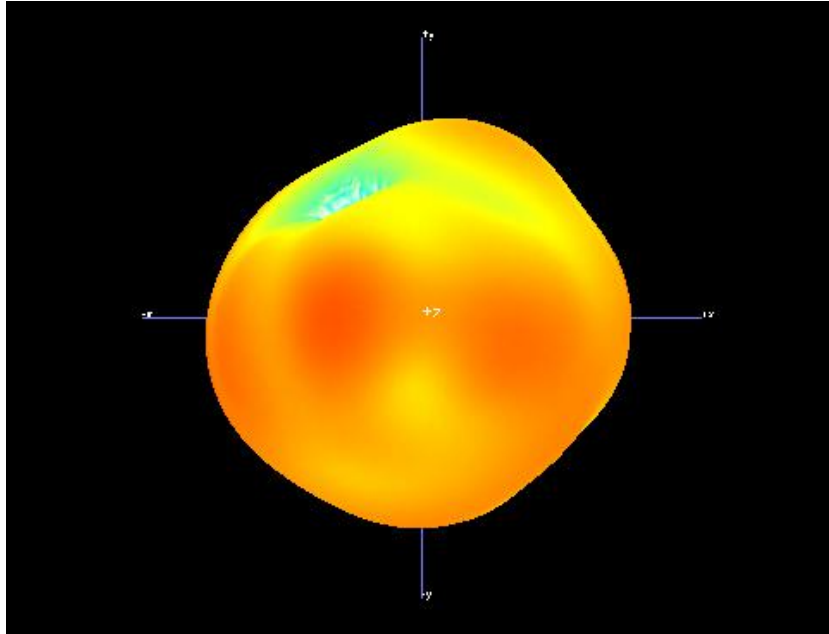




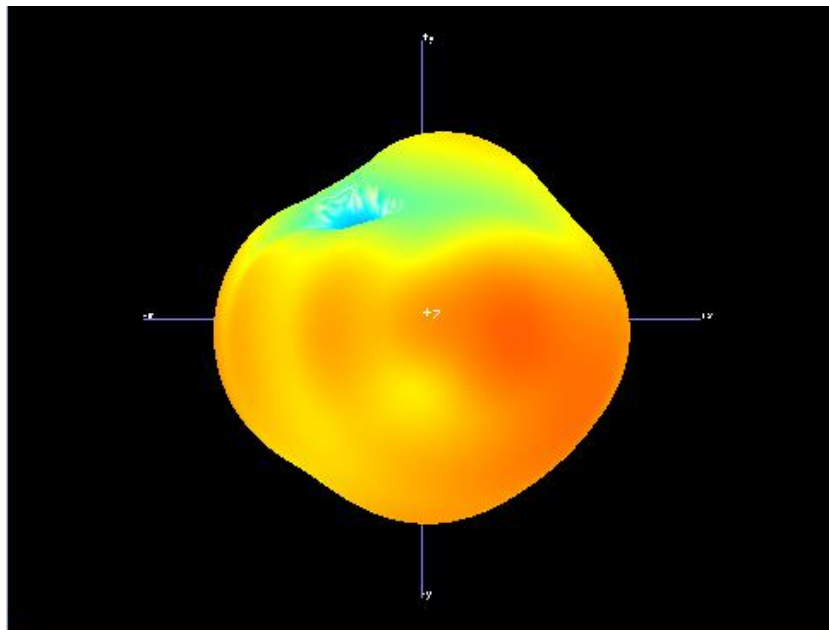
Theta=90°



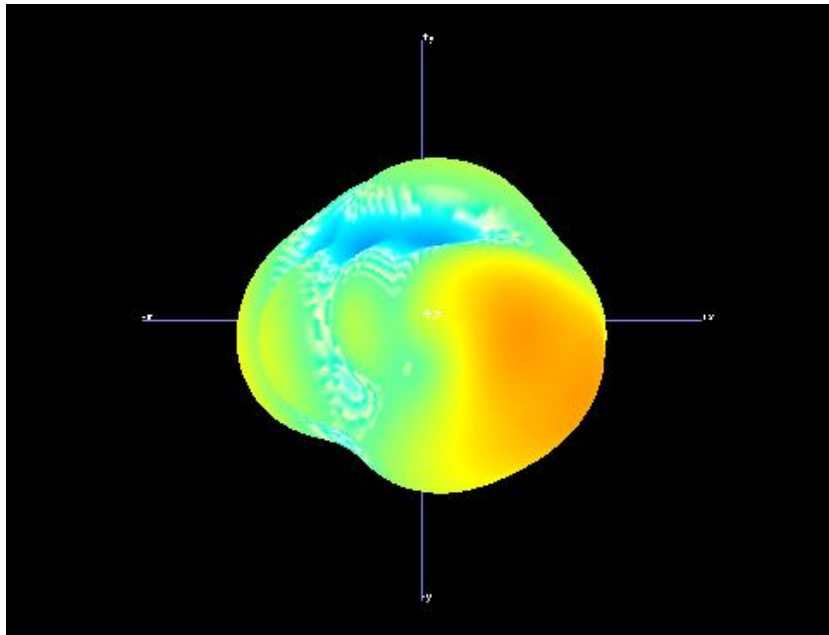
2. 3D Radiation Pattern



2400MHz



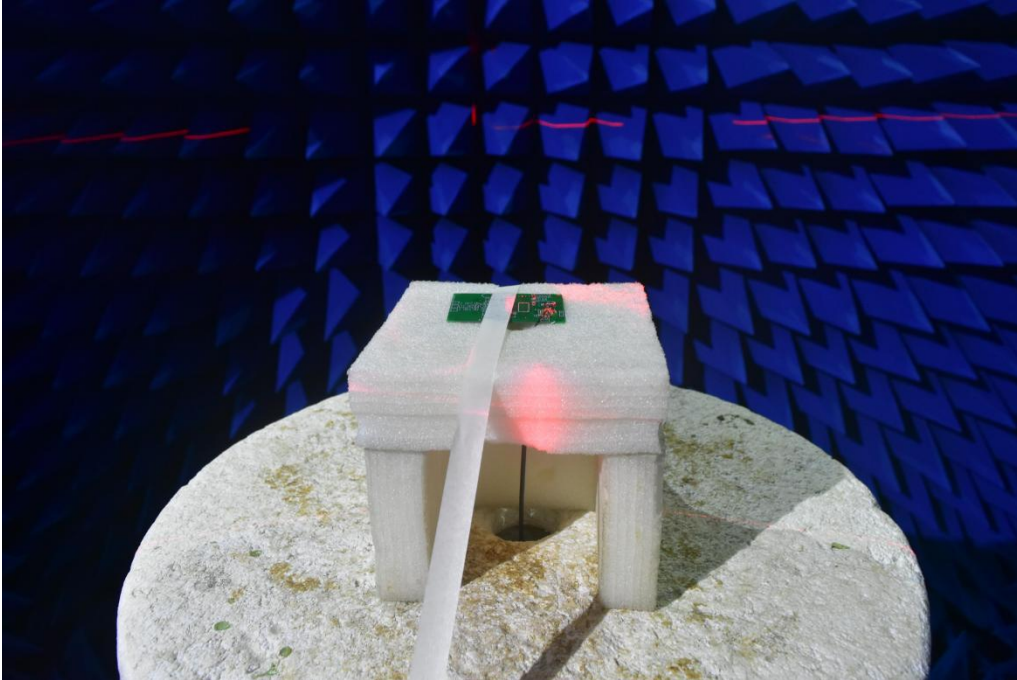
2440MHz



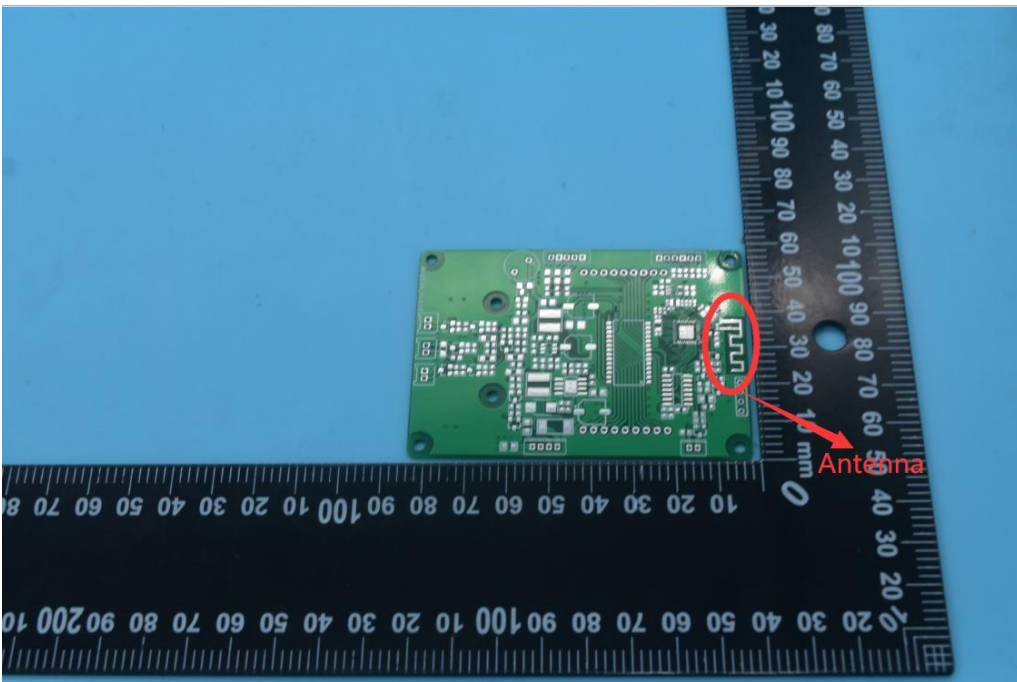
2480MHz

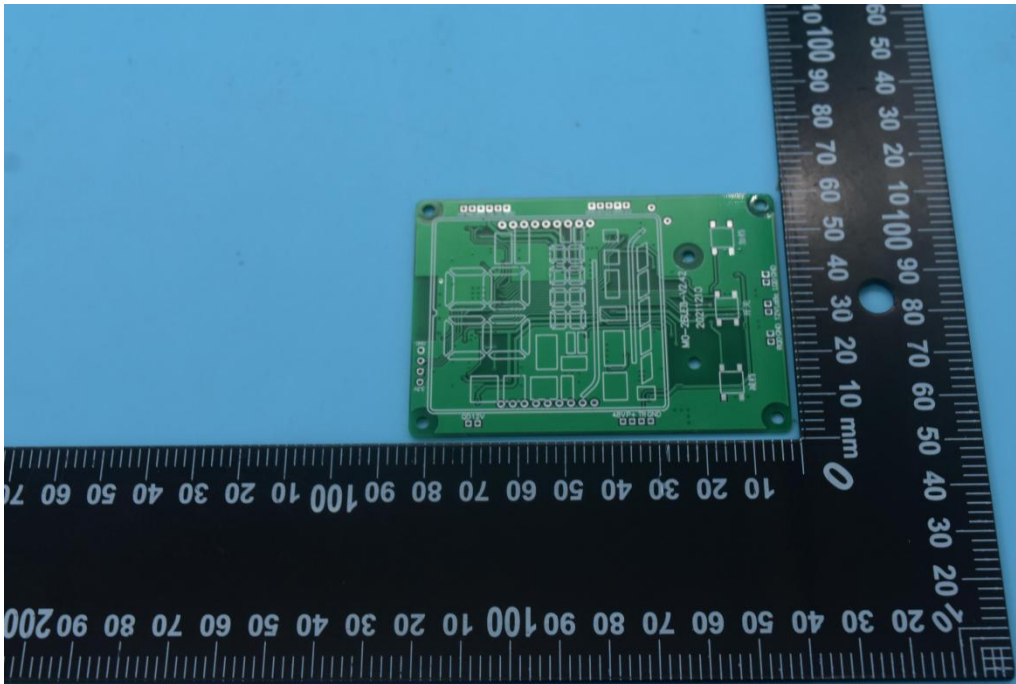
Annex C Photographs

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	Manufa cturer	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 —————