

EMF TEST REPORT

Test Report No. : OT-225-RWD-021

Reception No. : 2203000977

Applicant : 3i Inc

Address : 3-321 523, Dongdaegu-ro, Dong-gu, Daegu, 41228, South Korea

Manufacturer : Nteklogic

Address : 42, Maehwa-ro, Bundang-gu, Seongnam-si, Gyeonggi-do, Republic of Korea

Type of Equipment : Pivo Max

FCC ID. : 2AS3Q-PV-PM

Model Name : PV-PM

Serial number : N/A

Total page of Report : 6 pages (including this page)

Date of Incoming : March 30, 2022

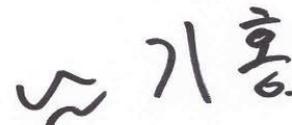
Date of issue : May 13, 2022

SUMMARY

The equipment complies with the regulation; *FCC 47 CFR Part 1, 1.1310*

This test report only contains the result of a single test of the sample supplied for the examination.

It is not a generally valid assessment of the features of the respective products of the mass-production.



Tested by
Young-Yong, Kim / Manager
ONETECH Corp.

Reviewed by
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CONTENTS**PAGE**

1. VERIFICATION OF COMPLIANCE	4
2. GENERAL INFORMATION	5
2.1 PRODUCT DESCRIPTION.....	5
2.2 ALTERNATIVE TYPE(S)/MODEL(S); ALSO COVERED BY THIS TEST REPORT.....	5
3. EUT MODIFICATIONS.....	5
4. RF EXPOSURE EVALUATION	6
4.1 RF EXPOSURE CALCULATION	6
4.2 EUT DESCRIPTION.....	6
4.3 TEST RESULT	6
4.3.1 Test data for Bluetooth LE	6

Revision History

Rev. No.	Issue Report No.	Issued Date	Revisions	Section Affected
0	OT-225-RWD-021	May 13, 2022	Initial Release	All

1. VERIFICATION OF COMPLIANCE

Applicant : 3i Inc
 Address : 3-321 523, Dongdaegu-ro, Dong-gu, Daegu, 41228, South Korea
 Contact Person : Sinho, Kim / Manager
 Telephone No. : +82-10-4312-5197
 FCC ID : 2AS3Q-PV-PM
 Model Name : PV-PM
 Brand Name : -
 Serial Number : N/A
 Date : May 13, 2022

EQUIPMENT CLASS	DTS – DIGITAL TRNSMISSION SYSTEM
E.U.T. DESCRIPTION	Pivo Max
THIS REPORT CONCERNS	Original Grant
MEASUREMENT PROCEDURES	ANSI C63.10: 2020
TYPE OF EQUIPMENT TESTED	Pre-Production
KIND OF EQUIPMENT AUTHORIZATION REQUESTED	Certification
EQUIPMENT WILL BE OPERATED UNDER FCC RULES PART(S)	FCC 47 CFR Part 1, 1.1310
Modifications on the Equipment to Achieve Compliance	None
Final Test was Conducted On	3 m, Semi Anechoic Chamber

-. The above equipment was tested by ONETECH Corp. for compliance with the requirement set forth in the FCC Rules and Regulations. This said equipment in the configuration described in this report, shows the maximum emission levels emanating from equipment are within the compliance requirements.

2. GENERAL INFORMATION

2.1 Product Description

The 3i Inc, Model PV-PM (referred to as the EUT in this report) is a Pivo Max. The product specification described herein was obtained from product data sheet or user's manual.

DEVICE TYPE	Pivo Max
OPERATING FREQUENCY	2 402 MHz ~ 2 480 MHz
MODULATION TYPE	DSSS Modulation(GFSK)
RF OUTPUT POWER	-0.41 dBm
NUMBER OF CHANNEL	40 Channel
ANTENNA TYPE	PCB Antenna
ANTENNA GAIN	1.52 dBi
Electrical Rating	DC 3.7 V
List of each Osc. or crystal Freq.(Freq. >= 1 MHz)	38.4 MHz

2.2 Alternative type(s)/model(s); also covered by this test report.

-. None

3. EUT MODIFICATIONS

-. None

4. RF EXPOSURE EVALUATION

4.1 RF Exposure Calculation

According to the FCC rule §4.3. General SAR test exclusion guidance, the limit for 1-g and 10-g SAR test exclusion thresholds are ≤ 3.0 for 1-g SAR, and ≤ 7.5 for 10-g extremity SAR by the device operating 100 MHz to 6 GHz and test separation distances ≤ 50 mm

4.2 EUT Description

Kind of EUT	Pivo Max
Device Category	<input checked="" type="checkbox"/> Portable (< 20 cm separation) <input type="checkbox"/> Mobile (> 20 cm separation) <input type="checkbox"/> Others
Exposure Evaluation Applied	<input type="checkbox"/> MPE <input type="checkbox"/> SAR <input checked="" type="checkbox"/> N/A

4.3 Test Result

According to the procedure, KDB 447498 D01, the standalone SAR test exclusion threshold is

$$[(\text{Max. Power of channel, including tune-up tolerance, mW})/(\text{Min. test separation distance, mm})] \times [\sqrt{f(\text{GHz})}] < 3.0$$

$$= [(1.20/5)] \times \sqrt{2.440} = 0.375$$

4.3.1 Test data for Bluetooth LE

Frequency (MHz)	Target Power W/tolerance (dBm)	Max tune up power (dBm)	Max tune up power (mW)	Separation distance (mm)	RF exposure
2 440.00	-0.41 ± 1.2	0.79	1.20	5	0.375