ELECTROMAGNETIC EMISSION COMPLIANCE REPORT FOR LOW-POWER, NON-LICENSED TRANSMITTER

Test Report No.	**: OT-218-RWD-094**
Reception No.	**: 2104002116**
Applicant	**: InBody Co., Ltd.**
Address	**: InBody Bldg., 625, Eonju-ro, Gangnam-gu, Seoul, 06106, South Korea**
Manufacturer	**: InBody Co., Ltd.**
Address	**: 15, Heugam-gil, Ipjang-myeon, Seobuk-gu, Cheonan-si, Chungcheongnam-do 31025 KOREA**
Type of Equipment	**: Body Composition Analyzer**
FCC ID.	**: F6OINBODYBAND3**
Model Name	**: InBodyBAND3**
Serial number	**: N/A**
Total page of Report	**: 6 pages (including this page)**
Date of Incoming	**: August 09, 2021**
Date of issue	**: August 30, 2021**

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	Reviewed by	Approved by
Myeong-Hwa, Jang / Manager	Tae-Ho, Kim / Senior Manager	Ki-Hong, Nam / General Manager
ONETECH Corp.	ONETECH Corp.	ONETECH Corp.

ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)

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Revision History

Rev. No.	Issue Report No.	Issued Date	Revisions	Section Affected
0	OT-218-RWD-094	August 30, 2021	Initial Release	All

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1. VERIFICATION OF COMPLIANCE

Applicant : InBody Co., Ltd.

Address : InBody Bldg., 625, Eonju-ro, Gangnam-gu, Seoul, 06106, South Korea

Contact Person : Dong-Hyun Woo / Strategic Certification Team / Assistant manager

Telephone No. : +82-2-300-2244

FCC ID : F6OINBODYBAND3

Model Name : InBodyBAND3

Brand Name : InBody

Serial Number : N/A

Date : August 30, 2021

EQUIPMENT CLASS	DTS – DIGITAL TRNSMISSION SYSTEM
E.U.T. DESCRIPTION	Body Composition Analyzer
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 PART 15 SUBPART C Section 15.247 KDB 558074 D01 15.247 Meas Guidance v05r02
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.

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2. GENERAL INFORMATION

2.1 Product Description

The InBody Co., Ltd., Model InBodyBAND3 (referred to as the EUT in this report) is a Body Composition Analyzer. The product specification described herein was obtained from product data sheet or user's manual.

DEVICE TYPE	Body Composition Analyzer
OPERATING FREQUENCY	2 402 MHz ~ 2 480 MHz
MODULATION TYPE	GFSK
RF OUTPUT POWER	-9.58 dBm
NUMBER OF CHANNEL	40 Channel
ANTENNA TYPE	Chip Antenna
ANTENNA GAIN	3.70 dBi
List of each Osc. or crystal Freq.(Freq. >= 1 MHz)	32.768 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 §1.1310, the limit for General Population/Uncontrolled exposure is 1 mW/cm² for the device operating 1 500 ~ 100 000 MHz.

4.2 EUT Description

Kind of EUT	Body Composition Analyzer
Device Category	■ Portable (< 20 cm separation) ☐ Mobile (> 20 cm separation) ☐ Others
Exposure Evaluation Applied	☐ MPE ☐ SAR ■ SAR Test Exclusion Evaluation

4.3 Test Result of SAR Exclusion for Devices

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

[(Max. Power of channel, including tune-up tolerance, mW)/(Min. test separation distance, mm)] X [√ f(GHz)] < 3

= (0.14/5) X √ 2.48 =0.044

Conclusion: The SAR test exclusion threshold is less than 3, so the device meets the RF Exposure Requirement and excluded SAR Test.

Mode	Frequency (MHz)	Target Power W/tolerance (dBm)	Max tune up power (dBm)	Max tune up power (mW)	Separation distance (mm)	RF exposure
BLE	2 480	-9.58 ± 1.0	-8.58	0.14	5	0.044

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