

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

Test Report No. : OT-193-RWD-011

AGR No. : A188A-224

Applicant : InBody Co., Ltd.

Address : InBody Bldg., 54, Nonhyeon-ro 2-gil, Gangnam-gu, Seoul, 135-960, 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. : F60-INBODY-ON2

Model Name : InBodyON2

Multiple Model Name : N/A

Serial number : N/A

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

Date of Incoming : February 01, 2019

Date of issue : March 07, 2019

SUMMARY

The equipment complies with the regulation; *FCC PART 15 SUBPART C Section 15.247*

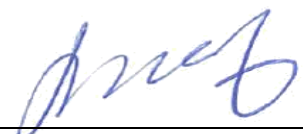
This test report only contains the result of a single test of the sample supplied for the examination.

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

Reviewed by:


Ki-Hong, Nam / Chief Engineer
ONETECH Corp.

Approved by:


Keun-Young, Choi / Vice President
ONETECH Corp.


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. MAXIMUM PERMISSIBLE EXPOSURE	6
4.1 RF EXPOSURE CALCULATION	6
4.2 EUT DESCRIPTION.....	6
4.3 TEST RESULT	6

Revision History

Rev. No.	Issue Report No.	Issued Date	Revisions	Section Affected
0	OT-193-RWD-011	March 07, 2019	Initial Release	All

1. VERIFICATION OF COMPLIANCE

Applicant : InBody Co., Ltd.
 Address : InBody Bldg., 54, Nonhyeon-ro 2-gil, Gangnam-gu, Seoul, 135-960, Korea
 Contact Person : Dong-Hyun Woo / Quality Approval Team / Employee
 Telephone No. : +82-2-2182-1836
 FCC ID : F6O-INBODY-ON2
 Model Name : InBodyON2
 Brand Name : 
 Serial Number : N/A
 Date : March 07, 2019

EQUIPMENT CLASS	DTS – DIGITAL TRNSMISSION SYSTEM
E.U.T. DESCRIPTION	Body Composition Analyzer
THIS REPORT CONCERNS	Original Grant
MEASUREMENT PROCEDURES	ANSI C63.10: 2013
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
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 InBody Co., Ltd., Model InBodyON2 (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
Temperature Range	10 °C ~ 40 °C
Operating Frequency	2 402 MHz ~ 2 480 MHz
RF Output Power	-11.72 dBm
Number of Channel	40 Channel
Modulation Type	GFSK (Bluetooth LE)
Antenna Type	Chip Antenna
Antenna Gain	1.99 dBi
List of each Osc. or crystal Freq.(Freq. >= 1 MHz)	16 MHz

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

-. None

3. EUT MODIFICATIONS

-. None

4. MAXIMUM PERMISSIBLE EXPOSURE

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
Operating Frequency Band	Bluetooth BLE: 2 402 MHz ~ 2 480 MHz
Device Category	<input type="checkbox"/> Portable (< 20 cm separation) <input type="checkbox"/> Mobile (> 20 cm separation) <input checked="" type="checkbox"/> Others
MAX. RF OUTPUT POWER	-11.72 dBm
Antenna Gain	1.99 dBi
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

$$[(\text{Max. Power of channel, including tune-up tolerance, mW}) / (\text{Min. test separation distance, mm})] \times [\sqrt{f(\text{GHz})}] < 3$$

$$= [0.0067/5] \times \sqrt{2.480} = 0.021$$



Tested by: Tae-Ho, Kim / Manager