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

Test Report No.	**: E14DR-039**
AGR No.	**: A148A-028**
Applicant	**: InBody Co., Ltd.**
Address	**: 272-1 Yongjeong-ri, Ipjang-myeon, Seobuk-gu, Cheonan-si, Chungcheongnam-do, 330-824 South Korea**
Manufacturer	**: InBody Co., Ltd.**
Address	**: 272-1 Yongjeong-ri, Ipjang-myeon, Seobuk-gu, Cheonan-si, Chungcheongnam-do, 330-824 South Korea**
Type of Equipment	**: Body Composition Analyzer**
FCC ID.	**: F6OINBODYBAND**
Model Name	**: InBody Band**
Serial number	**: N/A**
Total page of Report	**: 6 pages (including this page)**
Date of Incoming	**: October 31, 2014**
Date of issue	**: December 12, 2014**

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.

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Approved by: Gea-Won, Lee / Managing Director, ONETECH Corp.

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Revision History

Issued Report No.	Issued Date	Revisions	Effect Section
E14DR-039	December 12, 2014	Initial Issue	All

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1. VERIFICATION OF COMPLIANCE

Applicant	: InBody Co., Ltd.
Address	: 272-1 Yongjeong-ri, Ipjang-myeon, Seobuk-gu, Cheonan-si, Chungcheongnam-do, 330-824 South Korea
Contact Person	: Kyung-keun, Kim/Quality Approval Team Manager
Telephone No.	: +82-2-2182-8968
FCC ID	: F6OINBODYBAND
Model Name	: InBody Band
Serial Number	: N/A
Date	: December 12, 2014

EQUIPMENT CLASS	DTS – DIGITAL TRNSMISSION SYSTEM
E.U.T. DESCRIPTION	Body Composition Analyzer
THIS REPORT CONCERNS	Original Grant
MEASUREMENT PROCEDURES	ANSI C63.10: 2009
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.

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3. GENERAL INFORMATION

3.1 Product Description

The InBody Co., Ltd., Model InBody Band (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 ~ +50 °C
Operating Frequency	2 402 MHz ~ 2 480 MHz
RF Output Power	-2.17 dBm
Number of Channel	40 Channel
Modulation Type	GFSK
Antenna Type	Original Design Chip Antenna
USED RF CHIP	Marker: Partron Model Name: SDBTPTR3015
Antenna Gain	1.99 dBi
List of each Osc. or crystal Freq.(Freq. >= 1 MHz)	32.768 kHz

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

-. None

4. EUT MODIFICATIONS

-. None

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4. RADIO FREQUENCY EXPOSURE

4.1 RF Exposure Limit

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	☐ Wireless Microphone: 494.000 MHz ~ 501.000 MHz and 498.200 MHz ~ 505.200 MHz ☐ WLAN: 2 412 MHz ~ 2 462 MHz ☐ WLAN: 5 180 MHz ~ 5 320 MHz / 5 500 MHz ~ 5 700 MHz ☐ WLAN: 5 745 MHz ~ 5 825 MHz ■ Bluetooth: 2 402 MHz ~ 2 480 MHz
Device Category	■ Portable (< 20 cm separation) ☐ Mobile (> 20 cm separation) ☐ Others
Max. Output Power	-2.17 dBm
Used Antenna	Original Design Chip Antenna
Used Antenna Gain	1.99 dBi
Exposure Evaluation Applied	☐ MPE ☐ SAR ■ N/A

4.3 Test Result

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

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

= (0.607/5) X √ 2.402 = 0.19

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

	Frequency (MHz)	Target Power W/tolerance (dBm)	Max tune up power (dBm)	Max tune up power (mW)	Separation distance (mm)	RF exposure
BLE (GFSK)	2 480	-3 ± 1.0	-2.00	0.630	5	0.20

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