EMF TEST REPORT

Test Report No.	**: OT-225-RWD-036**
Reception No.	**: 2204001401**
Applicant	**: EOFLOW Co.,Ltd**
Address	**: Healthcare Innovation Park #2202 Dolma-ro 172 Bundang-gu Seongnam-si Gyeonggi-do 13605, Korea**
Manufacturer	**: EOFLOW Co.,Ltd**
Address	**: Healthcare Innovation Park #2202 Dolma-ro 172 Bundang-gu Seongnam-si Gyeonggi-do 13605, Korea**
Type of Equipment	**: Insulin infusion pump**
FCC ID.	**: 2AUGS-IL100**
Model Name	**: IL100K**
Multiple Model Name	**: N/A**
Serial number	**: N/A**
Total page of Report	**: 7 pages (including this page)**
Date of Incoming	**: May 02, 2022**
Date of issue	**: May 31, 2022**

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.

This report is not correlated with the "KS Q ISO/IEC 17025 and KOLAS accreditation" of Korean Laboratory Accreditation Scheme.

Tested by	Reviewed by	Approved by
/ Soon-Ki, Choi / Engineer	/ Tae-Ho, Kim / General 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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ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)

Revision History

Rev. No.	Issue Report No.	Issued Date	Revisions	Section Affected
0	OT-225-RWD-036	May 31, 2022	Initial Release	All

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1. VERIFICATION OF COMPLIANCE

Applicant : EOFLOW Co.,Ltd

Address : Healthcare Innovation Park #2202 Dolma-ro 172 Bundang-gu Seongnam-si Gyeonggi-do 13605, Korea

Contact Person : Junghoon Park / Manager

Telephone No. : +82-31-724-0338

FCC ID : 2AUGS-IL100

Model Name : IL100K

Brand Name : N/A

Serial Number : N/A

Date : May 31, 2022

EQUIPMENT CLASS	DTS – DIGITAL TRNSMISSION SYSTEM DSS – PART 15 SPREAD SPECTRUM TRANSMITTER
E.U.T. DESCRIPTION	Insulin infusion pump
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.

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2. GENERAL INFORMATION

2.1 Product Description

The EOFLOW Co.,Ltd, Model IL100K (referred to as the EUT in this report) is a Insulin infusion pump. The product specification described herein was obtained from product data sheet or user's manual.

Device Type	Insulin infusion pump		
Operating Frequency	Bluetooth	2 402 MHz ~ 2 480 MHz	
	Bluetooth LE		
RF Output Power	Bluetooth	1 Mbps	1.50 dBm
		2 Mbps	1.55 dBm
		3 Mbps	-1.17 dBm
	Bluetooth LE	0.96 dBm	
Number of Channel	Bluetooth	79 Channels	
	Bluetooth LE	40 Channels	
Modulation Type	Bluetooth	GFSK for 1 Mbps, π/4-DQPSK for 2 Mbps, 8-DPSK for 3 Mbps	
	Bluetooth LE	GFSK	
Antenna Type	Bluetooth	PCB Antenna	
	Bluetooth LE		
Antenna Gain	Bluetooth	-0.88 dBi	
	Bluetooth LE		
List of each Osc. or crystal Freq.(Freq. >= 1 MHz)	100 MHz		
Rated Supply Voltage	DC 3.7 V		

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	Insulin infusion pump
Device Category	■ Portable (< 20 cm separation) ☐ Mobile (> 20 cm separation) ☐ Others
Exposure Evaluation Applied	☐ MPE ☐ SAR ■ SAR Test Exclusion Evaluation

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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)] < 7.5

= (1.80/5) X √ 2.480 =0.567

Conclusion: The SAR test exclusion threshold is less than 7.5, 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
BDR (1 Mbps)	2 480	1.50 ± 1.0	2.5	1.78	5	0.560
EDR (2 Mbps)	2 480	1.55 ± 1.0	2.55	1.80	5	0.567
EDR (3 Mbps)	2 441	-1.17 ± 1.0	-0.17	0.96	5	0.300
BLE	2 480	0.96 ± 1.0	1.96	1.57	5	0.495

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