

EMF TEST REPORT

Test Report No. : OT-25O-RWD-006

Reception No. : 2509003011

Applicant : UNION biometrics Co., Ltd.

Address : 12F, Munjeong Daemyeong Valeon bldg, 127 Beobwon-ro Songpa-gu, Seoul, South Korea

Manufacturer : UNION biometrics Co., Ltd.

Address : 12F, Munjeong Daemyeong Valeon bldg, 127 Beobwon-ro Songpa-gu, Seoul, South Korea

Type of Equipment : Fingerprint Reader

FCC ID. : XX2-FOH02

Model Name : FOH02

Multiple Model Name : FOH-02, VIRDI-FOH02, VIRDI-FOH02SC

Serial number : N/A

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

Date of Incoming : September 05, 2025

Date of issue : October 15, 2025

SUMMARY

The equipment complies with the requirements of **FCC CFR 47 § 1.1307**

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 test report is not associated with the accreditation granted by the Korean Laboratory Accreditation Scheme (KOLAS).



Tested by
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Revision History

Rev. No.	Issue Report No.	Issued Date	Revisions	Section Affected
0	OT-25O-RWD-006	October 15, 2025	Initial Release	All

1. VERIFICATION OF COMPLIANCE

Applicant : UNION biometrics Co., Ltd.

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Contact Person : Dong Ho Lee

Telephone No. : +82-2-6488-3054

FCC ID : XX2-FOH02

Model Name : FOH02

Brand Name :

Serial Number : N/A

E.U.T. DESCRIPTION	Fingerprint Reader
THIS REPORT CONCERNS	Original Grant
MEASUREMENT PROCEDURES	KDB 447498 D04 Interim General RF Exposure Guidance v01
TYPE OF EQUIPMENT TESTED	Pre-Production
KIND OF EQUIPMENT AUTHORIZATION REQUESTED	Certification
Modifications on the Equipment to Achieve Compliance	None

-. 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 UNION biometrics Co., Ltd., Model FOH02 (referred to as the EUT in this report) is a Fingerprint Reader. The product specification described herein was obtained from product data sheet or user's manual.

DEVICE TYPE	Fingerprint Reader
OPERATING FREQUENCY	13.56 MHz
MODULATION TYPE	ASK
ANTENNA TYPE	PCB Antenna
List of each Osc. or crystal Freq.(Freq. >= 1 MHz)	8 MHz, 24 MHz
RATED SUPPLY VOLTAGE	DC 5.0 V

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

-. The following lists consist of the added model and their differences.

Model Name	Differences	Tested
FOH02	Basic Model	☒
FOH-02, VIRDI-FOH02, VIRDI-FOH02SC	The model is identical to basic model except for the model name only.	☐

Note: 1. Applicant consigns only basic model to test. Therefore this test report just guarantees the units, which have been tested.

2. The Applicant/manufacture is responsible for the compliance of all variants.

3. EUT MODIFICATIONS

-. None

4. RADIO FREQUENCY EXPOSURE

4.1 Environmental evaluation and exposure limit

In accordance with KDB 447498 D04 Interim General RF Exposure Guidance v01.

1 mW Test Exemption according paragraph 2.1.2

- 13.56 MHz Maximum E.I.R.P power = $51.40 \text{ dB}\mu\text{V/m} - 95.2 = -43.80 \text{ dBm}$ at 13.56 MHz

Calculated MPE Safe Distance

Operating Mode	Target Power W/tolerance (dBm)	Max tune up power		Antenna Gain		Safe Distance (cm)	Limit (mW)
		(dBm)	(mW)	Log	Linear		
RFID 13.56 MHz	-43.80 ± 0.5	-43.30	0.000 1	-	-	0.003	1.0

The available maximum time-averaged power is no more than 1 mW, a single RF source is exempt.