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RF Exposure Evaluation Report

Application No.: KSCR2604000822AT
FCC ID: 2AL8S-0231C1WB
Applicant: Zhejiang Uniview Technologies Co., Ltd.
Address of Applicant: No. 369, Xietong Road, Xixing Sub-district, Binjiang District, Hangzhou City, 310051, Zhejiang Province, China
Manufacturer: Zhejiang Uniview Technologies Co., Ltd.
Address of Manufacturer: No. 369, Xietong Road, Xixing Sub-district, Binjiang District, Hangzhou City, 310051, Zhejiang Province, China
Equipment Under Test (EUT):
EUT Name: Card Reader
Model No.: OEC-R3H-ESK,OEC-R3H-ES,OEC-R3H-ESm-xxxxxxx-yyy-yyyy-zzz
("x","y","z","m" can be 0-9,A-Z,a-z or blank; "-" may be blank)
Standard(s) : FCC Rules 47 CFR §2.1091
KDB 447498 D04 interim General RF Exposure Guidance v01
Date of Receipt: 2026-04-15
Date of Test: 2026-04-24 to 2026-04-30
Date of Issue: 2026-05-08

Test Result:	Pass*
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* In the configuration tested, the EUT complied with the standards specified above.

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Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.



Revision Record			
Version	Description	Date	Remark
00	Original	2026-05-08	/

Authorized for issue by:				
Tested By		Maker Qi		
		Maker Qi /Project Engineer		
Approved By		Terry Hou		
		Terry Hou /Reviewer		



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Report No.: KSCR260400082203

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3 General Information

3.1 General Description of E.U.T.

Power supply:	DC 12V/1A
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3.2 Technical Specifications

125kHz

Operation Frequency:	125kHz
Modulation Type:	ASK
Number of Channels:	1
Number of Antennas:	1
Antenna Type:	Loop Antenna

13.56MHz

Operation Frequency:	13.56MHz
Modulation Type:	ASK
Antenna Type:	FPC Antenna

3.3 Test Location

All tests were performed at:

Compliance Certification Services (Kunshan) Inc.

No.10 Weiye Rd, Innovation park, Eco&Tec, Development Zone, Kunshan City, Jiangsu, China.

Tel: +86 512 5735 5888 Fax: +86 512 5737 0818

No tests were sub-contracted.

Note:

1.SGS is not responsible for wrong test results due to incorrect information (e.g., max. internal working frequency, antenna gain, cable loss, etc) is provided by the applicant. (If applicable).

2.SGS is not responsible for the authenticity, integrity and the validity of the conclusion based on results of the data provided by applicant. (If applicable).

3. Sample source: sent by customer.

3.4 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

- **A2LA (Certificate No. 2541.01)**

Compliance Certification Services (Kunshan) Inc. is accredited by the American Association for Laboratory Accreditation (A2LA).

- **FCC (Designation Number: CN1172)**

Compliance Certification Services (Kunshan) Inc. has been recognized as an accredited testing laboratory.

- **ISED (CAB Identifier: CN0072)**

Compliance Certification Services (Kunshan) Inc. has been recognized by Innovation, Science and Economic Development Canada (ISED) as an accredited testing laboratory.

Company Number: 2324E

- **VCCI (Member No:1938)**

The 3m and 10m Semi-anechoic chamber and Shielded Room of Compliance Certification Services (Kunshan) Inc. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: R-20134, R-11600, C-11707, T-11499, G-10216 respectively.

4 FCC Radiofrequency radiation exposure limits

Test exemptions apply for devices used in general population/uncontrolled exposure environments, according to the SAR-based, or MPE-based exemption thresholds.

4.1 Blanket 1 mW Blanket Exemption

The 1 mW Blanket Exemption of §1.1307(b)(3)(i)(A) applies for single fixed, mobile, and portable RF sources with available maximum time-averaged power of no more than 1 mW, regardless of separation distance.

The 1-mW blanket exemption applies at separation distances less than 0.5 cm, including where there is no separation. This exemption shall not be used in conjunction with other exemption criteria other than those for multiple RF sources in paragraph §1.1307(b)(3)(ii)(A).

The 1-mW exemption is independent of service type and covers the full range of 100 kHz to 100 GHz, but it shall not be used in conjunction with other exemption criteria or in devices with higher-power transmitters operating in the same time-averaging period. Exposure from such higher-power transmitters would invalidate the underlying assumption that exposure from the lower-power transmitter is the only contributor to SAR in the relevant volume of tissue.

5 Measurement and Calculation

5.1 RF Exposure Calculation

The Power Data is based on the RF Test Report KSCR260400082201, KSCR260400082202

For 125kHz:

Freq. (kHz)	Result Level (dB μ V/m@3m)	Result Level (mW)
125	67.49	0.0017

For 13.56MHz:

Freq. (MHz)	Result Level (dB μ V/m@3m)	Result Level (mW)
13.56	60.61	0.0003

Remark: EIRP[dBm]=E[dB μ V/m]-95.3, for d= 3m

For single RF source :

	Evaluation method	Exempt Limit(mW)	Verdict
☒	Blanket 1 mW Blanket Exemption	1mW	Pass

The 125kHz & 13.56MHz can transmit simultaneously, but the maximum rate of MPE $0.0017/1+0.0003/1=0.002 \leq 1$, So the device is exclusion from SAR test.

--End of the Report--