

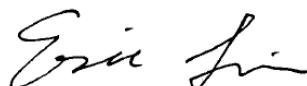
1 Cover Page

RF Exposure Evaluation Report

Application No.:	KSCR2208001533AT
FCC ID:	2AXVM-TD1018
Applicant:	Hangzhou Microimage Software Co., Ltd.
Address of Applicant:	Room 313, Unit B, Building 2, 399 Danfeng Road, Xixing Subdistrict, Binjiang District, Hangzhou, Zhejiang
Manufacturer:	Hangzhou Microimage Software Co., Ltd.
Address of Manufacturer:	Room 313, Unit B, Building 2, 399 Danfeng Road, Xixing Subdistrict, Binjiang District, Hangzhou, Zhejiang
Factory:	Hangzhou Microimage Intelligent Technology Co., Ltd.
Address of Factory:	Floor 2, Building A1, 299 Qiushi Road, Tonglu Economic Development Zone, Tonglu County, Hangzhou City, Zhejiang Province
Equipment Under Test (EUT):	
EUT Name:	Thermal Presence Detector
Model No.:	HM-TD1018-1/QR, HM-TD1018-2/QR
Standard(s) :	FCC Rules 47 CFR §2.1091 KDB 447498 D04 interim General RF Exposure Guidance v01
Date of Receipt:	2022-08-29
Date of Test:	2022-08-29 to 2022-09-04
Date of Issue:	2022-09-05

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



Eric Lin
EMC Laboratory Manager



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Revision Record			
Version	Description	Date	Remark
00	Original	2022-09-05	/

Authorized for issue by:			
		Pawn. Lin	
		Pawn.Liu/Project Engineer	
		Eric Lin	
		Eric Lin / Reviewer	



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3 General Information

3.1 General Description of E.U.T.

Power supply:	DC 12V
Test voltage:	AC120V/60Hz
Antenna Type:	Integrated Patch Antenna
Modulation Type:	FMCW
Operation Frequency:	61GHz-61.5GHz
Antenna Gain:	6dBi



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3.2 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. clock frequency, highest internal 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).

3.3 Test Facility

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

• **CNAS**

Compliance Certification Services (Kunshan) Inc. is accredited by the China National Accreditation Service for Conformity Assessment (CNAS). Registration No. CNAS L4354

• **A2LA**

Compliance Certification Services (Kunshan) Inc. is accredited by the American Association for Laboratory Accreditation (A2LA). Certificate No. 2541.01.

• **FCC**

Compliance Certification Services (Kunshan) Inc. has been recognized as an accredited testing laboratory. Designation Number: CN1172.

• **ISED**

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**

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.



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4 Test Standards and Limits

4.1 FCC Radiofrequency radiation exposure limits:

According to §1.1310, the limit for general population/uncontrolled exposures

Frequency	Power density(mW/cm ²)	Averaging time(minutes)
300MHz~1.5GHz	f/1500	30
1.5GHz~100GHz	1.0	30

5 Measurement and Calculation

5.1 Maximum transmit power

The Power Data is based on the RF Test Report KSCR220800153301

Test Mode	Test Channel	E.I.R.P. [dBm]	E.I.R.P. [mW]
mmWave	61.265GHz	14.95	31.26



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5.2 MPE Calculation

The E.I.R.P. is: 31.26mW;

According to the formula $S = \frac{PG}{4R^2\pi}$, we can calculate S which is MPE.

Note:

- 1) P (Watts)
- 2) G (Antenna gain in numeric)
- 3) R = distance to the center of radiation of antenna (in meter) = 20cm
- 4) MPE limit = 1mW/cm²

$$S = \frac{PG}{4R^2\pi} = 31.26 / (4 \times 400 \times 3.14) = 0.0062 \text{mW/cm}^2 < 1 \text{mW/cm}^2$$

So the device is exclusion from SAR test.

--End of the Report--



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