

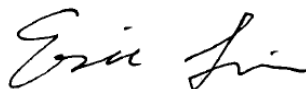
1 Cover Page

RF Exposure Evaluation Report

Application No.: KSCR2211002351HS (SHCR2208001775ME)
FCC ID: 2AQ9VMMWS
Applicant: Shanghai United Imaging Healthcare Co., Ltd.
Address of Applicant: 2258 Chengbei Rd., Jiading District, Shanghai
Manufacturer: Shanghai United Imaging Healthcare Co., Ltd.
Address of Manufacturer: 2258 Chengbei Rd., Jiading District, Shanghai
Factory: Shanghai United Imaging Healthcare Co., Ltd.
Address of Factory: 2258 Chengbei Rd., Jiading District, Shanghai
Equipment Under Test (EUT):
EUT Name: MMWS
Model No.: mmw100, mmw101 ♣
Remark ♣: Please refer to section 2 of this report which indicates which model was actually tested and which were electrically identical.
Standard(s) : FCC Rules 47 CFR §2.1091
KDB 447498 D01 interim General RF Exposure Guidance v06
Date of Receipt: 2022-08-29
Date of Test: 2022-09-23 to 2022-10-10
Date of Issue: 2022-11-30

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



Eric Lin
Laboratory Manager



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Compliance Certification Services (Kunshan) Inc.

Report No.: KSCR221100235102

Page: 2 of 6

Revision Record			
Version	Description	Date	Remark
00	Original	2022-11-30	/

Authorized for issue by:			
		Damon Zhou	
		Damon Zhou / 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
---------------	--------

3.2 Details of E.U.T.

Frequency:	59GHz-64GHz
Center Frequency:	61.79GHz
Channel Number:	1
Modulation Type:	FMCW
Antenna Type:	Integrated Patch Antenna

3.3 Separation Distance

Separation distance between the antenna to person (R):	> 20cm
Remark: This minimum test separation distance is determined by the smallest distance from the antenna and radiating structures or outer surface of the device, according to the host form factor, exposure conditions and platform requirements, to any part of the body or extremity of a user or bystander.	



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3.4 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).

3.5 Test Facility

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

• 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 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 user manual turn up 10dBm.

5.2 RF Exposure Calculation

The Max Radiated Peak Output Power is 10mW.

EIRP=10mW

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

$$S = \frac{PG}{4R^2\pi} = 10 / (4 \times 0.2 \times 0.2 \times \pi) = 0.0020 \text{ mW/cm}^2 < 1 \text{ mW/cm}^2$$

So the device is exclusion from SAR test.

--End of the Report--



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