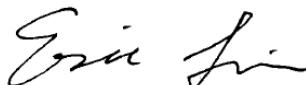


**1 Cover Page*****RF Exposure Evaluation Report***

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

\* In the configuration tested, the EUT complied with the standards specified above.



Eric Lin  
Laboratory Manager



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. 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.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN\\_Doccheck@sgs.com](mailto:CN_Doccheck@sgs.com)

No.10, Weiyue Road, Innovation Park, Kunshan, Jiangsu, China 215300

|(86-512)57355888 f|(86-512)57370818 [www.sgsgroup.com.cn](http://www.sgsgroup.com.cn)

中国·江苏·昆山市留学生创业园伟业路10号 邮编 215300

|(86-512)57355888 f|(86-512)57370818 [sgs.china@sgs.com](mailto:sgs.china@sgs.com)



## 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	

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. 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.

**Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN\\_Doccheck@sgs.com](mailto:CN_Doccheck@sgs.com)**



Compliance Certification Services (Kunshan) Inc.  
EMC Laboratory

No.10, Weiyi Road, Innovation Park, Kunshan, Jiangsu, China 215300  
中国·江苏·昆山市留学生创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 [www.sgsgroup.com.cn](http://www.sgsgroup.com.cn)  
t(86-512)57355888 f(86-512)57370818 [sgs.china@sgs.com](mailto:sgs.china@sgs.com)

## 2 Contents

	Page
<b>1 COVER PAGE</b>	1
<b>2 CONTENTS</b>	3
<b>3 GENERAL INFORMATION</b>	4
3.1 GENERAL DESCRIPTION OF E.U.T	4
3.2 DETAILS OF E.U.T	4
3.3 SEPARATION DISTANCE	4
3.4 TEST LOCATION	5
3.5 TEST FACILITY	5
<b>4 FCC RADIOFREQUENCY RADIATION EXPOSURE LIMITS</b>	6
<b>5 MEASUREMENT AND CALCULATION</b>	6
5.1 MAXIMUM TRANSMIT POWER	6
5.2 RF EXPOSURE CALCULATION	6



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. 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.

**Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN\\_Doccheck@sgs.com](mailto:CN_Doccheck@sgs.com)**

No.10, Weiyi Road, Innovation Park, Kunshan, Jiangsu, China 215300  
中国·江苏·昆山市留学生创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 [www.sgsgroup.com.cn](http://www.sgsgroup.com.cn)  
t(86-512)57355888 f(86-512)57370818 [sgs.china@sgs.com](mailto:sgs.china@sgs.com)

### 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.



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. 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.

**Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN\\_Doccheck@sgs.com](mailto:CN_Doccheck@sgs.com)**

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

t(86-512)57355888 f(86-512)57370818 [www.sgsgroup.com.cn](http://www.sgsgroup.com.cn)

中国·江苏·昆山市留学生创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 [sgs.china@sgs.com](mailto:sgs.china@sgs.com)

## Compliance Certification Services (Kunshan) Inc.

Report No.: KSCR221100235102

Page: 5 of 6

### 3.4 Test Location

All tests were performed at:

Compliance Certification Services (Kunshan) Inc.

No.10 Weiyi 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.

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. 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.

**Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN\\_Doccheck@sgs.com](mailto:CN_Doccheck@sgs.com)**



No.10, Weiyi Road, Innovation Park, Kunshan, Jiangsu, China 215300  
中国·江苏·昆山市留学生创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 [www.sgsgroup.com.cn](http://www.sgsgroup.com.cn)  
t(86-512)57355888 f(86-512)57370818 [sgs.china@sgs.com](mailto:sgs.china@sgs.com)

## 4 FCC Radiofrequency radiation exposure limits

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

Frequency	Power density(mW/cm <sup>2</sup> )	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 usermanual 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/cm<sup>2</sup>

$$S = \frac{PG}{4R^2\pi} = 10/(4 \times 400 \times 3.14) = 0.0020 \text{mW/cm}^2 < 1 \text{mW/cm}^2$$

So the device is exclusion from SAR test.

**--End of the Report--**



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. 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.

**Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN\\_Doccheck@sgs.com](mailto:CN_Doccheck@sgs.com)**

No.10, Weiyi Road, Innovation Park, Kunshan, Jiangsu, China 215300  
中国·江苏·昆山市留学生创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 [www.sgsgroup.com.cn](http://www.sgsgroup.com.cn)  
t(86-512)57355888 f(86-512)57370818 [sgs.china@sgs.com](mailto:sgs.china@sgs.com)