# RF EXPOSURE REPORT

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|---|---|---|
| **Applicant** | : | NiceRF Wireless Technology LTD. |
| **Address of Applicant** | : | 309-314, Bldg A,Hongdu business building, Xin'an street, Zone 43, Baoan Dist, Shenzhen 518101, China |
| **Manufacturer** | : | NiceRF Wireless Technology LTD. |
| **Address of Manufacturer** | : | 309-314, Bldg A,Hongdu business building, Xin'an street, Zone 43, Baoan Dist, Shenzhen 518101, China |
| **Equipment under Test** | : | Wireless voice intercom module |
| **Model No.** | : | SA618F22-C1 |
| **Test Standard(s)** | : | EN 62479:2010, EN 50663:2017 |
| **Report No.** | : | DDT-RE24101414-1E02 |
| **Issue Date** | : | 2024/12/12 |
| **Issued By** | : | Guangdong Dongdian Testing Service Co., Ltd.<br>Unit 2, Building 1, No. 17, Zongbu 2nd Road, Songshan Lake Park, Dongguan, Guangdong, China, 523808 |

REPORT

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# Test Report Declare

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**Test Standard Used:**

EN 62479:2010, EN 50663:2017

**We Declare:**

The equipment described above is tested by Guangdong Dongdian Testing Service Co., Ltd. and in the configuration tested the equipment complied with the standards specified above. The test results are contained in this test report and Guangdong Dongdian Testing Service Co., Ltd. is assumed of full responsibility for the accuracy and completeness of these tests.

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|---|---|---|---|
| **Report No.:** | DDT-RE24101414-1E02 | | |
| **Date of Receipt:** | 2024/10/15 | **Date of Test:** | 2024/10/15~2024/12/12 |

**Prepared By:**

Johnson Huang

**Johnson Huang/Engineer**

**Approved By:**

GUANGDONG DONGDIAN TESTING SERVICE CO.,LTD. 广东东电检测技术有限公司 Certificate and Report Seal 检验检测专用章

***Damon Hu*/EMC Manager**

Note: This report applies to above tested sample only. This report shall not be reproduced in parts without written approval of Guangdong Dongdian Testing Service Co., Ltd.

# Revision History

| Rev. | Revisions | Issue Date | Revised By |
|---|---|---|---|
| --- | Initial issue | 2024/12/12 | |
| | | | |

# 1. General Test Information

## 1.1. Description of EUT

| | | |
|---|---|---|
| EUT Name | : | Wireless voice intercom module |
| Model Number | : | SA618F22-C1 |
| EUT Function Description | : | Please reference user manual of this device |
| Power Supply | : | DC 3.3V |
| Hardware Version | : | V1.0 |
| Software Version | : | V1.0 |
| Modulation | : | FSK |

Note: The above EUT information is declared by manufacturer and for more detailed features description please refer to the manufacturer's specifications or User's Manual. The above Antenna information is declared by manufacturer and for more detailed features description please refer to the manufacturer's specifications, the laboratory shall not be held responsible.

"☒" means to be chosen or applicable; "□" means don't to be chosen or not applicable; This note applies to entire report.

## 1.2. Accessories of EUT

| Accessories | Manufacturer | Model number | Description |
|---|---|---|---|
| / | / | / | / |

## 1.3. Test laboratory

Guangdong Dongdian Testing Service Co., Ltd.

Add.: Unit 2, Building 1, No. 17, Zongbu 2nd Road, Songshan Lake Park, Dongguan, Guangdong, China, 523808.

Tel.: +86-0769-38826678, http://www.dgddt.com, Email: ddt@dgddt.com.

CNAS Accreditation No. L6451; A2LA Accreditation Number: 3870.01

FCC Designation Number: CN1182, Test Firm Registration Number: 540522

Innovation, Science and Economic Development Canada Site Registration Number: 10288A

Conformity Assessment Body identifier: CN0048

VCCI facility registration number: C-20087, T-20088, R-20123, R-20155, G-20118

# 2. Conformity Assessment Methods

## 2.1. General considerations

Compliance of electromagnetic emissions from electronic and electrical equipment with the basic restrictions usually is determined by measurements and, in some cases, calculation of the exposure level. If the electrical power used by or radiated by the equipment is sufficiently low, the electromagnetic fields emitted will be incapable of producing exposures that exceed the basic restrictions.

Four routes, as illustrated in Figure 1 and described as follows, can be used to demonstrate compliance with EN 62479

1. Typical usage, installation and the physical characteristics of equipment make it inherently compliant with the applicable EMF exposure levels such as those listed in the bibliography. This low-power equipment includes unintentional (or non-intentional) radiators, for example incandescent light bulbs and audio/visual (A/V) equipment, information technology equipment (ITE) and multimedia equipment (MME) that does not contain radio transmitters.

2. The input power level to electrical or electronic components that are capable of radiating electromagnetic energy in the relevant frequency range is so low that the available antenna power and/or the average total radiated power cannot exceed the low-power exclusion level defined in 4.2 of EN 62479

3. The available antenna power and/or the average total radiated power are limited by product standards for transmitters to levels below the low-power exclusion level defined in 4.2 of EN 62479

4. Measurements or calculations show that the available antenna power and/or the average total radiated power are below the low-power exclusion level defined in 4.2 of EN 62479

If none of these routes can be used, then the equipment is deemed to be out of the scope of this standard and EMF assessment for conformity assessment purposes shall be made according to other standards, such as IEC 62479 or other EMF product standards.

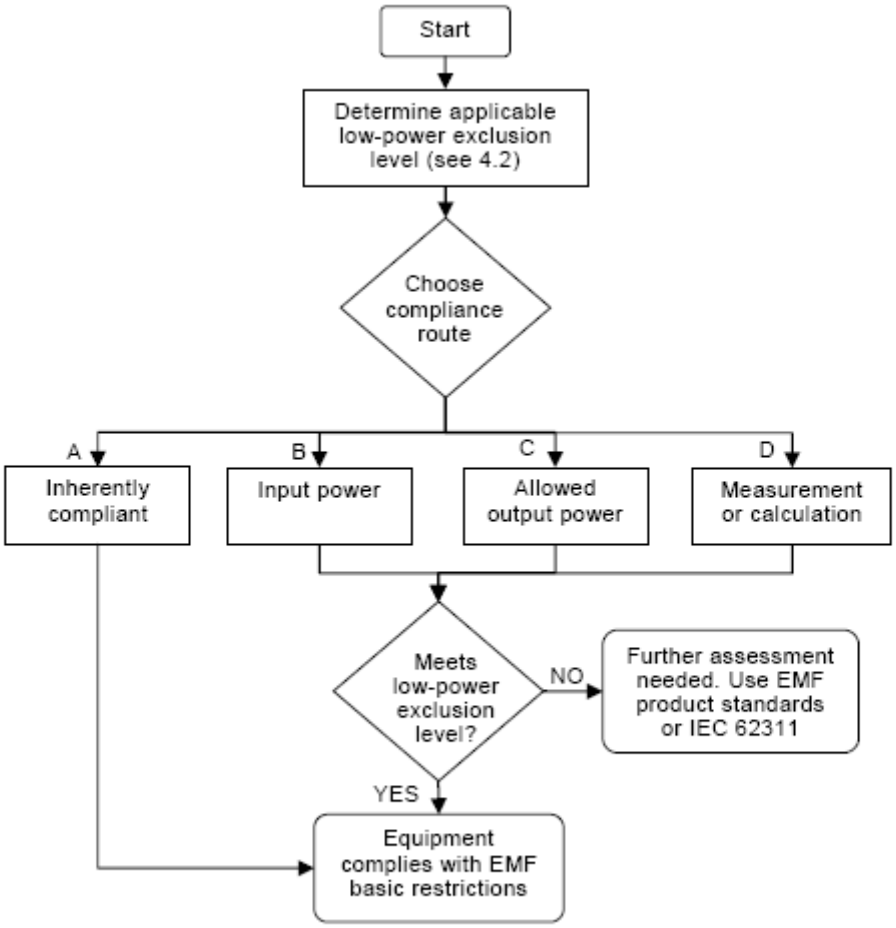



**Figure 1 – Routes to show compliance with low-power exclusion level**

## 2.2. Low-power exclusion level (Pmax)

Low-power electronic and electrical equipment is deemed to comply with the provisions of EN 62479 if it can be demonstrated using routes B, C or D that the available antenna power and/or the average total radiated power is less than or equal to the applicable low-power exclusion level Pmax.

For wireless devices operated close to a person's body with available antenna powers and/or average total radiated powers higher than the Pmax values given in Annex A of EN 62479 the alternative Pmax values (called Pmax′), described in Annex B of EN 62479 can also be used.

## 3. Assess Result

It is found that the max result is 10.78 dBm (11.97 mW) less than 20 mW (please refer to the test report “DDT-RE24101414-1E01”. The SAR-based Pmax follows Guideline / Standard: ICNIRP. Therefore, the EUT is deemed to comply with EMF basic restrictions.

**----------End Report----------**