



## RF EXPOSURE REPORT

<b>Applicant</b>	:	Shenzhen Juhong Intelligent Electronics Co., LTD
<b>Address of Applicant</b>	:	301, Building A, Comprehensive Building, Zhongshun Yiquan Industrial Park, No. 434 Fugian Road, Shenzhen 518110, China
<b>Manufacturer</b>	:	Shenzhen Juhong Intelligent Electronics Co., LTD
<b>Address of Manufacturer</b>	:	301, Building A, Comprehensive Building, Zhongshun Yiquan Industrial Park, No. 434 Fugian Road, Shenzhen 518110, China
<b>Equipment under Test</b>	:	Wireless lavalier microphone
<b>Model No.</b>	:	M1S, M1, M1S, M2, M2S, M3, M4, M3S, M5, M6, M7, M8, M9, M10, M11, M12, C1, C2, C3, C4, C5, C10, C11, C12, X1, X2, X3, X4, X5, X6, X7, X8, X9, X10, X11, X12, K1, K2, K3, K4, K5, K6, K7, K8, K9, K10, K11, K12, F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12, T1, T2, T3, T4, T5, V1, V2, V3, V4, V5, D1, D2, D3, D4, D5
<b>FCC ID</b>	:	2A8DP-M1S
<b>Test Standard(s)</b>	:	KDB447498 D01 General RF Exposure Guidance v06
<b>Report No.</b>	:	DDT-RE25071115-1E02
<b>Issue Date</b>	:	2025/08/06
<b>Issue By</b>	:	Guangdong Dongdian Testing Service Co., Ltd. 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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Manufacturer	:	Shenzhen Juhong Intelligent Electronics Co., LTD
Address of Manufacturer	:	301, Building A, Comprehensive Building, Zhongshun Yiquan Industrial Park, No. 434 Fuqian Road, Shenzhen 518110, China

**Test Standard Used:**

KDB447498 D01 General RF Exposure Guidance v06

**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.

Report No.:	DDT-RE25071115-1E02		
Date of Receipt:	2025/07/17	Date of Test:	2025/07/17~2025/07/28

Created: Johnson Huang	Reviewed: Tiger Mo	Approved: Damon Hu
		
2025/07/28	2025/08/06	2025/08/06

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

Version	Revision Content	Issue Date	Approved
V0	Initial issue	2025/08/06	Damon Hu

## 1. General Test Information

### 1.1. Description of EUT

EUT Name	: Wireless lavalier microphone
Model Number	: M1S, M1, M1S, M2, M2S, M3, M4, M3S, M5, M6, M7, M8, M9, M10, M11, M12, C1, C2, C3, C4, C5, C10, C11, C12, X1, X2, X3, X4, X5, X6, X7, X8, X9, X10, X11, X12, K1, K2, K3, K4, K5, K6, K7, K8, K9, K10, K11, K12, F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12, T1, T2, T3, T4, T5, V1, V2, V3, V4, V5, D1, D2, D3, D4, D5
Difference of model number	: All models are identical except the model and color, therefore the test performed on the model M1S. The left and right sides are exactly the same.
EUT Function Description	: Please reference user manual of this device
Power Supply	: CHARGING CASE: DC 5V from USB cable : WIRELESS LAVALIER MICROPHONE: DC 3.7V Lithium-ion built-in battery
Hardware Version	: K1-TX-V4
Software Version	: V1.0

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.

### 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](mailto: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-20240, G-20118

## 2. RF Exposure evaluation for FCC

### 2.1. Assessment procedure

According to 447498 D01 General RF Exposure Guidance v06

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances  $\leq$  50 mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})]$

$\cdot [\sqrt{f(\text{GHz})}] \leq 3.0$  for 1-g SAR and  $\leq 7.5$  for 10-g extremity SAR, where:

$f(\text{GHz})$  is the RF channel transmit frequency in GHz

Power and distance are rounded to the nearest mW and mm before calculation

The result is rounded to one decimal place for comparison

### 2.2. Assess result

#### Manufacturing Tolerance:

Bluetooth:

Mode	Antenna	Frequency [MHz]	Target (dBm)	Tolerance $\pm$ (dB)
GFSK (Peak)	Ant1	2402	-1.62	1
		2441	-1.50	1
		2480	-2.26	1
$\pi/4$ DQPSK (Peak)	Ant1	2402	-1.23	1
		2441	-0.96	1
		2480	-1.75	1

#### Estimation Result:

Worse case is as below: [2441 MHz, 0.04 dBm, (1.01 mW) output power]

$(1.01/5) \cdot [\sqrt{2.441(\text{GHz})}] = 0.32 < 3.0$  for 1-g SAR

Then SAR evaluation is not required.

-----End Report-----