



RF EXPOSURE REPORT

Applicant	:	Dongguan Changxie Technology Co., Ltd.
Address of Applicant	:	Room 101, Building 1, No. 3, Nanya 1st Street, Daojiao Town, Dongguan City, Guangdong Province, China
Manufacturer	:	Dongguan Changxie Technology Co., Ltd.
Address of Manufacturer	:	Room 101, Building 1, No. 3, Nanya 1st Street, Daojiao Town, Dongguan City, Guangdong Province, China
Equipment under Test	:	Earphone
Model No.	:	X2 2X, X1 2X
FCC ID	:	2BG892025X12X
Test Standard(s)	:	KDB447498 D01 General RF Exposure Guidance v06
Report No.	:	DDT-RE26012919-2E05
Issue Date	:	2026/04/18
Issue By	:	Guangdong Dongdian Testing Service Co., Ltd. Unit 2, Building 1, No. 17, Zongbu 2nd Road, Songshan Lake Park, Dongguan, Guangdong, China, 523808

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Test Report Declare

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Address of Manufacturer	:	Room 101, Building 1, No. 3, Nanya 1st Street, Daojiao Town, Dongguan City,Guangdong Province, China

Test Standard Used:

KDB447498 D01 General RF Exposure Guidance v06
47 CFR Part 15 §2.1093

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-RE26012919-2E05		
Date of Receipt:	2026/02/04	Date of Test:	2026/02/04~2026/04/01

Created: Chen Ziqin	Reviewed: Zoe Peng	Approved: Ella Gong
		
2026/03/31	2026/04/18	2026/04/18

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	2026/04/18	Ella Gong

1. General Test Information

1.1. Description of EUT

EUT Name	:	Earphone
Model Number	:	X2 2X, X1 2X
Difference of model number	:	The above model is exactly the same in terms of its schematic diagram and structure, except for the differences in model number and the position of the buttons. Therefore, the tests we conducted on the model with the number X2 2X
EUT Function Description	:	Please reference user manual of this device
Power Supply	:	DC 5V from USB cable or DC 3.7V built-in battery

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
Loudspeaker microphone	/	/	/
Type-C charging cable	/	/	/

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-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 ≤ 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:

AC6966B4:

Bluetooth:

Mode	Antenna	Frequency [MHz]	Target (dBm)	Tolerance $\pm$ (dB)
GFSK (Peak)	Ant1	2402	-1	1
		2441	0	1
		2480	0.5	1
$\pi/4$ DQPSK (Peak)	Ant1	2402	-0.5	1
		2441	0.5	1
		2480	0	1
8DPSK (Peak)	Ant1	2402	0	1
		2441	1.0	1
		2480	0.5	1

Bluetooth LE:

Mode	Antenna	Frequency [MHz]	Target (dBm)	Tolerance $\pm$ (dB)
Bluetooth LE 1M (Peak)	Ant1	2402	-1	1
		2440	0	1
		2480	-0.5	1
Bluetooth LE 2M (Peak)	Ant1	2404	-1	1
		2440	0	1
		2478	-0.5	1

JL7016M:

Bluetooth:

Mode	Antenna	Frequency [MHz]	Target (dBm)	Tolerance ±(dB)
GFSK (Peak)	Ant1	2402	7.5	1
		2441	7.5	1
		2480	7.5	1
π/4DQPSK (Peak)	Ant1	2402	8.0	1
		2441	8.5	1
		2480	7.5	1
8DPSK (Peak)	Ant1	2402	8.5	1
		2441	8.5	1
		2480	7.5	1

Bluetooth LE:

Mode	Antenna	Frequency [MHz]	Target (dBm)	Tolerance ±(dB)
Bluetooth LE 1M (Peak)	Ant1	2402	7.5	1
		2440	8.0	1
		2480	7.0	1
Bluetooth LE 2M (Peak)	Ant1	2404	7.5	1
		2440	8.0	1
		2478	7.0	1

Note: AC6966B4 and JL7016M do not support simultaneous transmission

Estimation Result:

Worse case is as below: [2441 MHz, 9.5 dBm, (8.91 mW) output power]

$(8.91/5) \cdot [\sqrt{2.441(\text{GHz})}] = 2.767 < 3.0$ for 1-g SAR

Then SAR evaluation is not required.

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