RF EXPOSURE REPORT

Applicant	:	Luzerne Trading Company, Inc
Address of Applicant	:	171-47th Street, Brooklyn, New York, NY 11232, United States
Manufacturer	:	Itsell International Limited
Address of Manufacturer	:	Flat/RM 1406A 14/F The Belgian Bank Building Nos 721-725 Nathan Road Mongkok, Kowloon, Hongkong
Equipment under Test	:	True Wireless Earphones
Model No.	:	EB-504BT, EB-504BTW, EB-504BTK
FCC ID	:	2AIO5-725504
Test Standard(s)	:	KDB447498 D01 General RF Exposure Guidance v06
Report No.	:	DDT-RE25062101-2E05
Issue Date	:	2025/07/31
Issue By	:	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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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-RE25062101-2E05		
Date of Receipt:	2025/06/27	**Date of Test:**	2025/06/27~2025/07/17

Created: Johnson Huang	Reviewed: Ella Gong	Approved: Damon Hu
Johnson Huang	Ella Gong	GUANGDONG DONGDIAN TESTING SERVICE CO.,LTD. 广东东电检测技术有限公司 Damon Hu Certificate and Report Seal 检验检测专用章
2025/07/17	2025/07/31	2025/07/31

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	2025/07/31	Damon Hu

1. General Test Information

1.1. Description of EUT

EUT Name	:	True Wireless Earphones
Model Number	:	EB-504BT, EB-504BTW, EB-504BTK
Difference of model number	:	All models are identical except the model number and color, therefore the test performed on the model EB-504BT.
EUT Function Description	:	Please reference user manual of this device
Power Supply	:	Charging case: DC 5V by an external adapter or a 3.7V built-in lithium battery, Wireless headphones: DC 3.85V built-in lithium 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
/	/	/	/

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 ≤ 50 mm are determined by:
[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] ·[√f(GHz)] ≤ 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where:
f(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 L Side:

Mode	Antenna	Frequency [MHz]	Target (dBm)	Tolerance ±(dB)
GFSK (Peak)	Ant1	2402	3.24	1
		2441	3.61	1
		2480	3.98	1
π/4DQPSK (Peak)	Ant1	2402	4.09	1
		2441	4.40	1
		2480	4.82	1
8DPSK (Peak)	Ant1	2402	4.26	1
		2441	4.67	1
		2480	5.12	1

Bluetooth R Side:

Mode	Antenna	Frequency [MHz]	Target (dBm)	Tolerance ±(dB)
GFSK (Peak)	Ant1	2402	4.00	1
		2441	3.64	1
		2480	4.26	1
π/4DQPSK (Peak)	Ant1	2402	4.10	1
		2441	5.22	1
		2480	5.68	1
8DPSK (Peak)	Ant1	2402	4.99	1
		2441	5.38	1
		2480	5.93	1

Bluetooth LE L side:

Mode	Antenna	Frequency [MHz]	Target (dBm)	Tolerance ±(dB)
Bluetooth LE 1M (Peak)	Ant1	2402	3.08	1
		2440	3.63	1
		2480	3.77	1
Bluetooth LE 2M (Peak)	Ant1	2404	3.30	1
		2441	3.87	1
		2478	4.06	1

Bluetooth LE R side:

Mode	Antenna	Frequency [MHz]	Target (dBm)	Tolerance ±(dB)
Bluetooth LE 1M (Peak)	Ant1	2402	2.00	1
		2440	2.00	1
		2480	2.08	1
Bluetooth LE 2M (Peak)	Ant1	2404	3.49	1
		2441	3.75	1
		2478	3.93	1

Estimtion Result:

Worse case is as below: [2480 MHz, 6.93 dBm, (4.93 mW) output power]

(4.93/5) ·[√2.480(GHz)] = 1.55 < 3.0 for 1-g SAR
Then SAR evaluation is not required.

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