



## FCC RF EXPOSURE REPORT

|                                |   |  |
|--------------------------------|---|--|
| <b>Applicant</b>               | : | PEAG, LLC dba JLab Audio   |
| <b>Address of Applicant</b>    | : | 5927 LANDAU CT, Carlsbad, CA 92008, United States  |
| <b>Manufacturer</b>            | : | GuangDong Simpreal Intelligent Technology Co., Ltd   |
| <b>Address of Manufacturer</b> | : | Room 2408, JiaHong ZhenXing DaSha, DongGuan Avenue #13, DongCheng District, DongGuan City, GuangDong Province, P.R. Chin |
| <b>Equipment under Test</b>    | : | True Wireless Earbuds  |
| <b>Model No.</b>               | : | GO Pop+  |
| <b>FCC ID</b>                  | : | 2AHYV-GAPOP2   |
| <b>Test Standard(s)</b>        | : | KDB447498 D01 General RF Exposure Guidance v06   |
| <b>Report No.</b>              | : | DDT-RE23091308-2E06  |
| <b>Issue Date</b>              | : | 2023/12/14   |
| <b>Issue By</b>                | : | Guangdong Dongdian Testing Service Co., Ltd.   |
| <b>Address of Laboratory</b>   | : | 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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**Standard Used:** KDB447498 D01 General RF Exposure Guidance v06

### We Declare:

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

**After evaluation, our opinion is that the equipment In Accordance with above standard.**

|                         |                     |                      |                         |
|-------------------------|---------------------|----------------------|-------------------------|
| <b>Report No.:</b>      | DDT-RE23091308-2E06 |                      |                         |
| <b>Date of Receipt:</b> | 2023/10/10          | <b>Date of Test:</b> | 2023/10/10 ~ 2023/12/14 |

**Prepared By:**

**Approved By:**

*Tiger Mo*

*Damon Hu*

**Tiger Mo/Engineer**

**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 | 2023/12/14 |            |
|      |               |            |            |

## 1. General Information

### 1.1. Description of equipment

|                          |   |
|--------------------------|---|
| EUT Name                 | : True Wireless Earbuds   |
| Model Number             | : GO Pop+   |
| EUT Function Description | : Please reference user manual of this device   |
| Power Supply             | : Charging case: DC 5V by an external adapter or a 3.8V built-in lithium battery.<br>Wireless headphones: DC 3.8V built-in lithium battery. |
| Radio Specification      | : Bluetooth (BR/EDR/LE)   |
| Operation Frequency      | : 2402 MHz - 2480 MHz   |
| Modulation               | : GFSK, $\pi/4$ -DQPSK  |
| Data Rate                | : 1 Mbps, 2 Mbps  |
| Antenna                  | : Left side: Chip antenna, maximum PK gain: 2.7 dBi<br>Right side: Chip antenna, maximum PK gain: 2.7 dBi                                   |

### 1.2. Assess 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-20155, G-20118

## 2. RF Exposure evaluation for FCC

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

### Manufacturing Tolerance

BT:

| Mode                 | Antenna | Frequency [MHz] | Target (dBm) | Tolerance $\pm$ (dB) |
|----------------------|---------|-----------------|--------------|----------------------|
| GFSK (Peak)          | Ant1    | 2402            | 2.57         | 1                    |
|                      |         | 2441            | 2.99         | 1                    |
|                      |         | 2480            | 3.15         | 1                    |
| $\pi/4$ DQPSK (Peak) | Ant1    | 2402            | 3.52         | 1                    |
|                      |         | 2441            | 3.86         | 1                    |
|                      |         | 2480            | <b>4.00</b>  | 1                    |

### Estimtion Result

Worse case is as below: [2480 MHz, 5 dBm, (3.16 mW) output power]

$(3.16/5) \cdot [\sqrt{2.480(\text{GHz})}] = 1.0 < 3.0$  for 1-g SAR

BLE:

| Mode   | Antenna | Frequency [MHz] | Target (dBm) | Tolerance $\pm$ (dB) |
|--------|---------|-----------------|--------------|----------------------|
| BLE 1M | Ant1    | 2402            | 2.70         | 1                    |
|        |         | 2441            | 2.99         | 1                    |
|        |         | 2480            | 3.14         | 1                    |
| BLE 2M | Ant1    | 2402            | 3.01         | 1                    |
|        |         | 2441            | 3.31         | 1                    |
|        |         | 2480            | <b>3.44</b>  | 1                    |

Worse case is as below: [2480 MHz, 4.44 dBm, (2.78 mW) output power]

$(2.78/5) \cdot [\sqrt{2.480(\text{GHz})}] = 0.876 < 3.0$  for 1-g SAR

Then SAR evaluation is not required.

**END OF REPORT**