

## RF EXPOSURE REPORT

### FOR

|                             |   |  |
|-----------------------------|---|--|
| <b>Applicant</b>            | : | Guangzhou FiiO Electronics Technology Co., Ltd.  |
| <b>Address</b>              | : | 2/F, F Building, Hougang Industrial Zone, Shigang Village, Huangshi West Road, Baiyun District, Guangzhou City, China. |
| <b>Equipment under Test</b> | : | HiFi Bluetooth Neckband Receiver   |
| <b>Model No.</b>            | : | LC-BT2, LC-BT2 NC, LS-BT2, LS-BT2 NC, LC-BT1, LS-BT1, LC-BT3, LC-BT3 NC, LC-BT5, LC-BT5 NC                             |
| <b>Trade Mark</b>           | : | FiiO   |
| <b>FCC ID</b>               | : | R56-FCIDBTW  |
| <b>Manufacturer</b>         | : | Guangzhou FiiO Electronics Technology Co., Ltd.  |
| <b>Address</b>              | : | 2/F, F Building, Hougang Industrial Zone, Shigang Village, Huangshi West Road, Baiyun District, Guangzhou City, China. |

**Issued By: Dongguan Dongdian Testing Service Co., Ltd.**

**Add:** No. 17, Zongbu Road 2, Songshan Lake Sci&Tech, Industry Park, Dongguan City, Guangdong Province, China, 523808

**Tel:** +86-0769-38826678, **E-mail:** ddt@dgddt.com, <http://www.dgddt.com>

# REPORT

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## TEST REPORT DECLARE

|                             |   |   |
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| <b>Model No.</b>            | : | LC-BT2, LC-BT2 NC, LS-BT2, LS-BT2 NC, LC-BT1, LS-BT1,<br>LC-BT3, LC-BT3 NC, LC-BT5, LC-BT5 NC                             |
| <b>Trade mark</b>           | : | FiiO  |
| <b>Manufacturer</b>         | : | Guangzhou FiiO Electronics Technology Co., Ltd.   |
| <b>Address</b>              | : | 2/F, F Building, Hougang Industrial Zone, Shigang Village,<br>Huangshi West Road, Baiyun District, Guangzhou City, China. |

**Standard Used:** KDB447498 D01 General RF Exposure Guidance v06

**We Declare:**

The equipment described above is assessed by Dongguan 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 Dongguan 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-R19113001-1E7 |                      |                               |
| <b>Date of Receipt:</b> | Dec. 03, 2019     | <b>Date of Test:</b> | Dec. 03, 2019 ~ Feb. 10, 2020 |

**Prepared By:**

*Talent Zhang*  
**Talent Zhang/Engineer**

**Approved By:**

  
**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 Dongguan Dongdian Testing Service Co., Ltd.

## Revision history

| Rev. | Revisions     | Issue Date    | Revised By |
|------|---------------|---------------|------------|
| ---  | Initial issue | Feb. 14, 2020 |            |
|      |               |               |            |

## 1. General information

### 1.1. Description of Equipment

|                          |   |
|--------------------------|---|
| EUT* Name                | : HiFi Bluetooth Neckband Receiver  |
| Model Number             | : LC-BT2, LC-BT2 NC, LS-BT2, LS-BT2 NC, LC-BT1, LS-BT1, LC-BT3, LC-BT3 NC, LC-BT5, LC-BT5 NC  |
| Difference of models     | : Above models are identical in schematic and structure. Only the appearance color or sales area is different for all the models, therefore the test performed on the model LC-BT2. |
| EUT function description | : Please reference user manual of this device   |
| Power supply             | : DC 5V from external AC Adapter<br>DC 3.7V Polymer Li-ion built-in battery   |
| Radio Specification      | : Bluetooth V5.0  |
| Operation frequency      | : 2402MHz-2480MHz   |
| Modulation               | : GFSK, $\pi/4$ -DQPSK, 8DPSK   |
| Data rate                | : 1 Mbps, 2 Mbps, 3 Mbps  |
| Antenna Type             | : Spring antenna, maximum PK gain: 2.0 dBi  |
| Sample Type              | : Series production   |

### 1.2. Assess laboratory

Dongguan Dongdian Testing Service Co., Ltd.

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## 2. RF Exposure evaluation

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

Worse case is as below: [2441MHz, -3.43 dBm, 0.45 mW) output power]

$(0.45/5) \cdot [\sqrt{2.441(\text{GHz})}] = 0.141 < 3.0$  for 1-g SAR

Then SAR evaluation is not required

**END OF REPORT**