



■ Report No.: DDT-R22081519-2E03

■ Issued Date: Sep. 15, 2022

## RF EXPOSURE REPORT

### FOR

|                             |   |  |
|-----------------------------|---|--|
| <b>Applicant</b>            | : | MicroTech Medical (Hangzhou) Co., Ltd.   |
| <b>Address</b>              | : | No.108 Liuze St., Cangqian, Yuhang District,<br>Hangzhou 311121 Zhejiang P.R.China |
| <b>Equipment under Test</b> | : | Personal Diabetes Assistant  |
| <b>Model No.</b>            | : | G7-P02, MTM-2  |
| <b>Trade Mark</b>           | : | <b>AIDEX</b> <sup>®</sup>  |
| <b>FCC ID</b>               | : | 2ATOV-P-G7   |
| <b>Manufacturer</b>         | : | MicroTech Medical (Hangzhou) Co., Ltd.   |
| <b>Address</b>              | : | No.108 Liuze St., Cangqian, Yuhang District,<br>Hangzhou 311121 Zhejiang P.R.China |

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

**Add.:** No. 17, Zongbu Road 2, Songshan Lake Sci&Tech, Industry Park,  
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**Tel.:** +86-0769-38826678, **E-mail:** ddt@dgddt.com, <http://www.dgddt.com>

# REPORT

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## Test Report Declare

|                             |   |  |
|-----------------------------|---|--|
| <b>Applicant</b>            | : | MicroTech Medical (Hangzhou) Co., Ltd.   |
| <b>Address</b>              | : | No.108 Liuze St., Cangqian, Yuhang District, Hangzhou 311121<br>Zhejiang P.R.China |
| <b>Equipment under Test</b> | : | Personal Diabetes Assistant  |
| <b>Model No.</b>            | : | G7-P02, MTM-2  |
| <b>Trade mark</b>           | : | <b>AIDEX</b> <sup>®</sup>  |
| <b>Manufacturer</b>         | : | MicroTech Medical (Hangzhou) Co., Ltd.   |
| <b>Address</b>              | : | No.108 Liuze St., Cangqian, Yuhang District, Hangzhou 311121<br>Zhejiang P.R.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-R22081519-2E03 |                      |                               |
| <b>Date of Receipt:</b> | Aug. 26, 2022      | <b>Date of Test:</b> | Aug. 26, 2022 ~ Sep. 15, 2022 |

**Prepared By:**

*Sanvin Zheng*

**Sanvin Zheng/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 | Sep. 15, 2022 |            |
|      |               |               |            |

## 1. General Information

### 1.1. Description of equipment

|                          |   |
|--------------------------|---|
| EUT* Name                | : Personal Diabetes Assistant   |
| Model Number             | : G7-P02, MTM-2   |
| Model difference         | : The appearance, color and internal circuitry of all models are consistent, the only difference is their built-in software. Therefore, G7-P02 was tested |
| EUT function description | : Please reference user manual of this device   |
| Power Supply             | : DC 5V from external USB or DC 3.7V built-in lithium battery   |
| Radio Specification      | : Bluetooth V5.0  |
| Operation Frequency      | : 2402 MHz - 2480 MHz   |
| Modulation               | : GFSK  |
| Data Rate                | : 1 Mbps  |
| Antenna Gain             | : FPC antenna, maximum PK gain: 0.59 dBi  |
| Sample Number            | : S22081519-05 for conductive<br>S22081519-06 for radiation   |

### 1.2. Assess laboratory

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, <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****BLE**

| GFSK (Peak) 1M  |           |            |            |
|-----------------|-----------|------------|------------|
| Channel         | Channel 0 | Channel 39 | Channel 78 |
| Target (dBm)    | -3.26     | -3.81      | -5.46      |
| Tolerance ±(dB) | 1         | 1          | 1          |

**Estimtion Result**

Worse case is as below: [2402 MHz, -2.26 dBm, (0.59 mW) output power]

$(0.59/5) \cdot [\sqrt{2.402(\text{GHz})}] = 0.18 < 3.0$  for 1-g SAR

Then SAR evaluation is not required.

**END OF REPORT**