
Test Report

Report No.: AGC10798220201ES02

PRODUCT DESIGNATION : True Wireless Bluetooth Earbuds
BRAND NAME : 
MODEL NAME : F&D E4, T606, F&D E1, F&D E2
APPLICANT : SHENZHEN FENDA TECHNOLOGY Co., LTD
DATE OF ISSUE : Mar. 25, 2022
STANDARD(S) : EN 50332-2: 2013
REPORT VERSION : V1.0

Attestation of Global Compliance (Shenzhen) Co., Ltd



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1. GENERAL INFORMATION

1.1 Testing laboratory

Name Attestation of Global Compliance (Shenzhen) Co., Ltd.
Address 1-2/F, Building 19, Junfeng Industrial Park, Chongqing Road, Heping Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China
Test location Same as above.

1.2 Applicant information

Name SHENZHEN FENDA TECHNOLOGY Co., LTD
Address Fenda Hi-Tech Park, Zhoushi Road, Shiyan Street, Baoan District, ShenZhen, China

1.3 Manufacturer information

Name SHENZHEN FENDA TECHNOLOGY Co., LTD
Address Fenda Hi-Tech Park, Zhoushi Road, Shiyan Street, Baoan District, ShenZhen, China

1.4 Factory information

Name SHENZHEN FENDA TECHNOLOGY Co., LTD
Address Fenda Hi-Tech Park, Zhoushi Road, Shiyan Street, Baoan District, ShenZhen, China

1.5 Testing

Date of receipt of test item Mar. 01, 2022
Date(s) of performance of test Mar. 10, 2022

1.6 Summary of testing

The limits refer to Cl.10.6 Safeguards against acoustic energy sources of EN 62368-1:2014+A11:2017, EN IEC 62368-1:2020+A11:2020, IEC 62368-1:2014, IEC 62368-1:2018, BS EN 62368-1:2014+A11:2017 or BS EN IEC 62368-1:2020+A11:2020.

The test items passed.

| Report Version | Revise Time | Issued Date | Valid Version | Notes |
|----------------|-------------|---------------|---------------|-----------------|
| V1.0 | / | Mar. 25, 2022 | Valid | Initial release |

Tested by *Dylon Yan*
Dylon Yan


Reviewed by *Byron Wang*
Byron Wang

Approved By *Matte He*
Matte He
(Authorized Officer)

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2. Equipment Under Test (EUT) and Ancillary Equipment (AE)

2.1 About EUT

| | |
|---------------------|---|
| Product Designation | True Wireless Bluetooth Earbuds |
| Brand Name |  |
| Test model | F&D E4 |
| Series model | T606, F&D E1, F&D E2 (All models are identical except for model name) |

2.2 Internal identification of EUT

| | |
|------------|-----|
| IMEI or SN | N/A |
| HW Version | N/A |
| SW Version | N/A |

2.3 Internal Identification of AE

| | |
|---------------------|-----|
| Product Designation | N/A |
| Model Name | N/A |

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3. Reference Documents

The following documents listed in this section are referred for testing.

| Reference | Title | Version |
|------------|--|---------|
| EN 50332-2 | Sound system equipment: Headphones and earphones associated with personal music players – Maximum sound pressure level measurement methodology Part 2: Matching of sets with headphones if either or both are offered separately, or are offered as one package equipment but with standardized connectors between the two allowing to combine components of different manufacturers or different design | 2013 |

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4. Test Equipments Utilized

| No. | Name | Model No. | Serial No. | Manufacturer | Calibration Date | Calibration Due. |
|-----|-------------------------------|---------------|-------------|----------------|------------------|------------------|
| 1 | HEAD measurement test system | HMS II.3 | 12306382 | Head Acoustics | Apr. 10, 2021 | Apr. 09, 2022 |
| 2 | Left ear simulator | HISL | 355051 | Head Acoustics | / | / |
| 3 | Right ear simulator | TYPE3.3 | 355063 | Head Acoustics | / | / |
| 4 | Artificial ear extension cord | CLL V.10 | 1223-10 | Head Acoustics | / | / |
| 5 | ACQUA-Compact test software | ACQUA-Compact | 1900169023 | Head Acoustics | / | / |
| 6 | USB Measurement Frontend | MFE VI | 64606148 | Head Acoustics | Apr. 10, 2021 | Apr. 09, 2022 |
| 7 | EN50332 database | EN50332 | 6869.11 | Head Acoustics | / | / |
| 8 | Sound Calibrator | 42AB | 32508 | G.R.A.S | Apr. 10, 2021 | Apr. 09, 2022 |
| 9 | Signal generator | E4421B | MY43351574 | AGILENT | Oct. 18, 2021 | Oct. 17, 2022 |
| 10 | Acoustic Chamber | / | AGC-SA-P002 | / | Apr. 10, 2021 | Apr. 09, 2022 |

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5. Detailed Test Results

5.1 Maximum sound pressure Measurement

| Maximum Sound pressure Measurement Test Result | | | |
|--|-------|-------|-------|
| Device | Times | Left | Right |
| Earphone (dBA) | 1 | 87.46 | 86.78 |
| | 2 | 87.32 | 86.54 |
| | 3 | 87.11 | 86.38 |
| | 4 | 87.54 | 86.57 |
| | 5 | 87.42 | 86.38 |
| | AVG | 87.37 | 86.53 |

Remark: The maximum acoustic output shall be ≤ 100 dBA.

Attachment A

Photos of Test Setup



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Attachment B Photos of Product



Fig.1 – overview



Fig.2 – overview

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Fig.3 – overview

----- End of Report -----

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Conditions of Issuance of Test Reports

1. All samples and goods are accepted by the Attestation of Global Compliance (Shenzhen) Co., Ltd (the “Company”) solely for testing and reporting in accordance with the following terms and conditions. The company provides its services on the basis that such terms and conditions constitute express agreement between the company and any person, firm or company requesting its services (the “Clients”).
2. Any report issued by Company as a result of this application for testing services (the “Report”) shall be issued in confidence to the Clients and the Report will be strictly treated as such by the Company. It may not be reproduced either in its entirety or in part and it may not be used for advertising or other unauthorized purposes without the written consent of the Company. The Clients to whom the Report is issued may, however, show or send it, or a certified copy thereof prepared by the Company to its customer, supplier or other persons directly concerned. The Company will not, without the consent of the Clients, enter into any discussion or correspondence with any third party concerning the contents of the Report, unless required by the relevant governmental authorities, laws or court orders.
3. The Company shall not be called or be liable to be called to give evidence or testimony on the Report in a court of law without its prior written consent, unless required by the relevant governmental authorities, laws or court orders.
4. In the event of the improper use of the report as determined by the Company, the Company reserves the right to withdraw it, and to adopt any other additional remedies which may be appropriate.
5. Samples submitted for testing are accepted on the understanding that the Report issued cannot form the basis of, or be the instrument for, any legal action against the Company.
6. The Company will not be liable for or accept responsibility for any loss or damage however arising from the use of information contained in any of its Reports or in any communication whatsoever about its said tests or investigations.
7. Clients wishing to use the Report in court proceedings or arbitration shall inform the Company to that effect prior to submitting the sample for testing.
8. The Company is not responsible for recalling the electronic version of the original report when any revision is made to them. The Client assumes the responsibility to providing the revised version to any interested party who uses them.
9. Subject to the variable length of retention time for test data and report stored hereinto as otherwise specifically required by individual accreditation authorities, the Company will only keep the supporting test data and information of the test report for a period of six years. The data and information will be disposed of after the aforementioned retention period has elapsed. Under no circumstances shall we provide any data and information which has been disposed of after retention period. Under no circumstances shall we be liable for damage of any kind, including (but not limited to) compensatory damages, lost profits, lost data, or any form of special, incidental, indirect, consequential or punitive damages of any kind, whether based on breach of contract of warranty, tort (including negligence), product liability or otherwise, even if we are informed in advance of the possibility of such damages.

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