

RF Exposure Evaluation Report


Applicant: Hongkong (shenzhen) Phonezer Union Technology Co. Ltd.

Address of Applicant: No. 1 elevator 6 building, 1 science and technology park, 67 district, Bao'an, Shenzhen, China

Equipment Under Test (EUT)

Product Name: Bluetooth earphone

Model No.: T2 Pro , FZ105, FZ106, FZ107, FZ108, FZ109, FZ112, FZ113, FZ114, FZ115, FZ116, FZ117, FZ118, FZ119

Trade mark: 

FCC ID: 2AYU7-T2PRO

Applicable standards: FCC CFR Title 47 Part 2 Subpart J Section 2.1093

Date of sample receipt: 08 Jan., 2021

Date of Test: 09 Jan., 2021 to 28 Jan., 2021

Date of report issue: 22 Feb., 2021

Test Result: PASS*

* In the configuration tested, the EUT complied with the standards specified above.

This report details the results of the testing carried out on one sample. The results contained in this test report do not relate to other samples of the same product and does not permit the use of the JYT product certification mark. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

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2 Version

Version No.	Date	Description
00	01 Jan., 2021	Original

Tested by: *miles chen*
Test Engineer

Date: 22 Feb., 2021

Reviewed by: *hife*
Project Engineer

Date: 22 Feb., 2021

3 Contents

	Page
1 COVER PAGE.....	1
2 VERSION	2
3 CONTENTS	3
4 GENERAL INFORMATION.....	4
4.1 CLIENT INFORMATION	4
4.2 GENERAL DESCRIPTION OF E.U.T.	4
4.3 OPERATING MODES	4
4.4 LABORATORY FACILITY	4
4.5 LABORATORY LOCATION	4
5 TECHNICAL REQUIREMENTS SPECIFICATION IN FCC CFR TITLE 47 PART 2.1093.....	5
5.1 LIMITS	5
5.2 RESULT	5
5.3 CONCLUSION	5

4 General Information

4.1 Client Information

Applicant:	Hongkong (shenzhen) Phonezer Union Technology Co. Ltd .
Address:	No. 1 elevator 6 building, 1 science and technology park, 67 districk, Bao'an, Shenzhen, China
Manufacturer/Factory:	Hongkong (shenzhen) Phonezer Union Technology Co. Ltd .
Address:	No. 1 elevator 6 building, 1 science and technology park, 67 districk, Bao'an, Shenzhen, China

4.2 General Description of E.U.T.

Product Name:	Bluetooth earphone
Model No.:	T2 Pro , FZ105, FZ106, FZ107, FZ108, FZ109, FZ112, FZ113, FZ114, FZ115, FZ116, FZ117, FZ118, FZ119
Operation Frequency:	Bluetooth: 2402MHz~2480MHz
Modulation technology:	Bluetooth BDR: GFSK, Bluetooth EDR: $\pi/4$ -DQPSK, 8DPSK
Antenna Type:	Internal Antenna
Antenna gain:	BT: 2.67 dBi
Test Sample Condition:	The test samples were provided in good working order with no visible defects.

4.3 Operating Modes

Operating mode	Detail description
BT mode	Keep the EUT in continuously transmitting in BT mode

4.4 Additions to, deviations, or exclusions from the method

No

4.5 Laboratory Facility

<p>The test facility is recognized, certified, or accredited by the following organizations:</p> <ul style="list-style-type: none"> ● FCC - Designation No.: CN1279 Jianyan Testing Group Co., Ltd. has been accredited as a testing laboratory by FCC(Federal Communications Commission). The test firm Registration No. is 892155. ● ISED – CAB identifier.: CN0102 Jianyan Testing Group Co., Ltd. has been recognized by Innovation, Science and Economic Development Canada to test to Canadian radio equipment requirements with ISED#:26114. ● A2LA - Registration No.: 5568.01 This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories. The test scope can be found as below link: https://portal.a2la.org/scopepdf/5568-01.pdf
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4.6 Laboratory Location

<p>JianYan Testing Group Co., Ltd. Address: No.760, Fengling Road, Tong'an District, Xiamen, Fujian, China Tel: +86-592-2273071, Fax:+86-592-2273700 Email: quality@xmabr.com, Website: http://www.lets.com/</p>

5 Technical Requirements Specification in FCC CFR Title 47 Part 2.1093

5.1 Limits

According to 447498 D01 General RF Exposure Guidance v06 Mobile and Portable Devices RF Exposure Procedures and Equipment Authorization Policies.

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:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$ for 1-g SAR and ≤ 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

5.2 Result

Worse case for BT as below:

[2480MHz: -1.6dBm (0.69 mW) output power]

$(0.69 \text{ mW} / 5\text{mm}) \cdot [\sqrt{2.48(\text{GHz})}] = 0.217 < 3.0$ for 1-g SAR

5.3 Conclusion

The device is exempt from the RF exposure evaluation.

-----End of report-----