

RF Exposure Evaluation Report

Applicant: Tive, Inc.

Address of Applicant: 56 Roland Street, Suite 100A, Boston, MA, 02129 USA

Equipment Under Test (EUT)

Product Name: Temperature Beacon

Model No.: TT-6000

Trade mark: TIVE

FCC ID: 2AS8K6000

Applicable standards: KDB 447498 D04 Interim General RF Exposure Guidance v01

Date of sample receipt: 13 Sep., 2022

Date of Test: 14 Sep., to 11 Oct., 2022

Date of report issue: 16 Nov., 2022

Test Result: PASS

Tested by:

Mike Ou

Date:

16 Nov., 2022

Reviewed by:

Wenwen Zhang

Date:

16 Nov., 2022

Approved by:

Wenwen Zhang
Manager

Date:

16 Nov., 2022

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in above the application standard version. Test results reported herein relate only to the item(s) tested.

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1 Version

Version No.	Date	Description
00	12 Oct., 2022	Original
01	16 Nov., 2022	1. Updated applicable standard on page 1. 2. Updated paeg 5.

2 Contents

	Page
Cover Page	1
1 Version	2
2 Contents	3
3 General Information	4
3.1 Client Information	4
3.2 General Description of E.U.T.	4
3.3 Operating Modes	4
3.4 Additions to, deviations, or exclusions from the method	4
3.5 Laboratory Facility	4
3.6 Laboratory Location	4
4 Technical Requirements Specification	5
4.1 Limits	5
4.2 Result	5
4.3 Conclusion	5

3 General Information

3.1 Client Information

Applicant:	Tive, Inc.
Address:	56 Roland Street, Suite 100A, Boston, MA, 02129 USA
Manufacturer/Factory:	Tive, Inc.
Address:	56 Roland Street, Suite 100A, Boston, MA, 02129 USA

3.2 General Description of E.U.T.

Product Name:	Temperature Beacon
Model No.:	TT-6000
Operation Frequency:	BLE: 2402MHz~2480MHz
Modulation technology:	BLE: GFSK
Antenna Type:	Internal Antenna
Antenna gain:	BLE: 3.24 dBi
Test Sample Condition:	The test samples were provided in good working order with no visible defects.

3.3 Operating Modes

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

3.4 Additions to, deviations, or exclusions from the method

No

3.5 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.: CN1211 JianYan Testing Group Shenzhen Co., Ltd. has been accredited as a testing laboratory by FCC(Federal Communications Commission). The test firm Registration No. is 727551. ● ISED – CAB identifier.: CN0021 The 3m Semi-anechoic chamber and 10m Semi-anechoic chamber of JianYan Testing Group Shenzhen Co., Ltd. has been Registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 10106A-1. ● CNAS - Registration No.: CNAS L15527 JianYan Testing Group Shenzhen Co., Ltd. is accredited to ISO/IEC 17025:2017 General Requirements for the Competence of Testing and Calibration laboratories for the competence of testing. The Registration No. is CNAS L15527. ● A2LA - Registration No.: 4346.01 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/4346-01.pdf
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3.6 Laboratory Location

<p>JianYan Testing Group Shenzhen Co., Ltd. Address: No.101, Building 8, Innovation Wisdom Port, No.155 Hongtian Road, Huangpu Community, Xinqiao Street, Bao'an District, Shenzhen, Guangdong, People's Republic of China. Tel: +86-755-23118282, Fax: +86-755-23116366 Email: info-JYTee@lets.com, Website: http://jyt.lets.com</p>

4 Technical Requirements Specification

4.1 Limits

According to KDB 447498 D04 Interim General RF Exposure Guidance v01 RF Exposure Procedures and Equipment Authorization Policies for Mobile and Portable Devices.

RF Exposure Test Exemptions for Single Source

1-mW Test Exemption

Per § 1.1307(b)(3)(i)(A), a single RF source is *exempt RF device* (from the requirement to show data demonstrating compliance to RF exposure limits, as previously mentioned) if the available maximum time-averaged power is no more than 1 mW, regardless of separation distance.

This exemption applies to all operating configurations and exposure conditions, for the frequency range 100 kHz to 100 GHz, regardless of fixed, mobile, or portable device exposure conditions. This is a standalone exemption, and it cannot be applied in conjunction with any other test exemption.

4.2 Result

Worse case for BLE as below:

Frequency(MHz)	Output power(dBm)	Output power(mW)	Limit for SAR test exemption(mW)
2402	-6.4	0.23	1

4.3 Conclusion

Cuz $0.23\text{mW} < 1\text{mW}$, The device is exempt from the SAR test and satisfies RF exposure evaluation.

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