

# TECHNICAL REPORT



Report No: EMC1712200-03  
File reference No: 2017-12-28

Applicant:

Product: Bluetooth Neckband Earphone

Brand Name: N/A

Model No: BTH-30

Test Standards: EN 62479: 2010

Test result: The health evaluation has been performed on the submitted samples and found in compliance with council RE Directive 2014/53/EU

Approved By



Terry Tang

EMC Manager

Dated: December 28, 2017

**Results appearing herein relate only to the sample tested**

**The technical reports is issued errors and omissions exempt and is subject to withdrawal at**

## **SHENZHEN TIMEWAY TESTING LABORATORIES**

Room 512-519, 5/F., East Tower, Building 4, Anhua Industrial Zone, Futian District, Shenzhen, Guangdong, China

Tel (755) 83448688, Fax (755) 83442996, E-Mail:info@timeway-lab.com



### **Special Statement:**

The testing quality ability of our laboratory meet with "Quality Law of People's Republic of China" Clause 19.

The testing quality system of our laboratory meet with ISO/IEC-17025 requirements, which is approved by CNAS. This approval result is accepted by MRA of APLAC.

Our test facility is recognized, certified, or accredited by the following organizations:

#### **CNAS-LAB Code: L2292**

The EMC Laboratory has been assessed and in compliance with CNAS-CL01 accreditation criteria for testing Laboratories (identical to ISO/IEC 17025:2005 General Requirements) for the Competence of testing Laboratories

The report refers only to the sample tested and does not apply to the bulk.

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## 1. General Information

### 1.1 Notes

The test results of this report relate exclusively to the test item specified in 1.5. The TIMEWAY Lab does not assume Responsibility for any conclusions and generalizations drawn from the test results with regard to other specimens or samples of the type of the equipment represented by the test item. The test report may only be reproduced or published in full. Reproduction or publication of extracts from the report requires the prior written approval of the TIMEWAY Lab.

### 1.2 Testing Laboratory

#### **SHENZHEN TIMEWAY TESTING LABORATORIES.**

Room 512-519, 5/F., East Tower, Building 4, Anhua Industrial Zone, Futian District, Shenzhen, Guangdong, China

Tel: +86 755 83448688 Fax :+86 755 83442996

Internet: [www.timeway-lab.com](http://www.timeway-lab.com)

Site on File With the Federal Communications and Commission – United States

Registration Number: 899988

For 3m & 10 m OATS

Site Listed with Industry Canada of Ottawa, Canada

Registration Number: IC: 5205A-02

For 3m & 10 m OATS

### 1.3 Details of Applicant

Name:

Address:

### 1.4 Application Details

Date of Receipt of Test Item: December 26, 2017

Date of Test: December 26, 2017~ December 28, 2017

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### 1.5 Test Item

Manufacturer:

Address:

Brand Name: N/A

Model No.: BTH-30

Additional Model No.: N/A

Additional Brand Name: N/A

Description: Bluetooth Neckband Earphone

### Additional Information

Frequency: 2402-2480MHz for Bluetooth

Number of Channels: 79 channel for Bluetooth

Channel Spacing: 1MHz for Bluetooth

Antenna Designation: PCB Antenna and the maximum Gain of this antenna is 0dBi;

Type of Modulation: Bluetooth: GFSK,  $\pi/4$ DQPSK, 8DPSK

Extreme Temp. Tolerance: -20°C to 40°C

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### According to EN 62479:2010

---- The justification for this criterion is that the most stringent basic restriction at frequencies between 10 MHz and 10 GHz is on localized SAR in the head. Any device with output power below 20 mW cannot produce an exposure exceeding this restriction under the most pessimistic exposure conditions.

$$20\text{mW}=13.01\text{dBm}$$

### Bluetooth Mode:

#### Test Data

The EUT was tested EIRP: -7.15 dBm < 13.01 dBm

**Note: GFSK Modulation was the worse case**

#### Test Result:

The measurement results comply with the limit of EN 62479:2010.

Approved By

Brown Lu, Engineering

Name/title

Reviewed By

Tony Tang  
EMC Manager

Name/title

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