**Shenzhen Huaxia Testing Technology Co., Ltd.**

1F., Block A of Tongsheng Technology Building, Huahui Road, Dalang Street, Longhua District, Shenzhen, China

Telephone: +86-755-26648640
Fax: +86-755-26648637
Website: www.cqa-cert.com

Report Template Version: V04
Revision Issue Date: 2018-07-06

# RF Exposure Evaluation

**Report No.:** CQASZ20190400303E-03

**Applicant:**

**Address of Applicant:**

**Manufacturer:**

**Address of Manufacturer:**

**Factory:**

**Address of Factory:**

**Equipment Under Test (EUT):**

**EUT Name:** Smart Bracelet

**All Model No.:**

**Test Model No.:**

**Trade mark:** N/A

**Standards:** EN 62479: 2010

**Date of Test:** 2019-04-30 to 2019-05-08

**Date of Issue:** 2019-05-08

**Test Result :** **Pass***

***Tested By:*** Martin Lee
***(Martin Lee)***

***Reviewed By:*** Aaron Ma
***( Aaron Ma)***

***Approved By:***
***( Jack Ai)***

SHENZHEN HUAXIA TESTING TECHNOLOGY CO., LTD. APPROVED

CE

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

The test report is effective only with both signature and specialized stamp, The result(s) shown in this report refer only to the sample(s) tested. Without written approval of CQA, this report can't be reproduced except in full.

## Revision History Of Report

| Report No. | Version | Description | Issue Date |
|---|---|---|---|
| CQASZ20190400303E-03 | Rev.01 | Initial report | 2019-05-08 |

# CONTENTS

Page

# 1 General Information

## 1.1 Client Information

| | |
|---|---|
| Applicant: | |
| Address of Applicant: | |
| Manufacturer: | |
| Address of Manufacturer: | |
| Factory: | |
| Address of Factory: | |

## 1.2 General Description of EUT

| | |
|---|---|
| Product Name: | Smart Bracelet |
| All Model No.: | |
| Test Model No.: | G20 |
| Trade Mark: | N/A |
| Software version: | 56 |
| Hardware version: | RH122V03 |
| Bluetooth Version: | V4.0 |
| Hopping Channel Type: | Adaptive Frequency Hopping systems |
| Sample Type: | Portable production |
| Test Software of EUT: | RTL8762C_RFTestTool_v1.0.1.1 (manufacturer declare ) |
| Power Supply: | lithium battery:DC3.7V, Charge by USB |

## 1.3 General Description of BLE

| | |
|---|---|
| Frequency Range: | 2402MHz to 2480MHz |
| Modulation Technique: | Frequency Hopping Spread Spectrum(FHSS) |
| Modulation Type: | GFSK |
| Transfer Rate: | 1Mbps |
| Number of Channels: | 40 |
| Antenna Type: | PCB antenna |
| Antenna Gain: | 0dBi |
| EIRP: | 2.38dBm(1.73mW)* |
| * | The EIRP data refer to the report CQASZ20190400303E-02 |

Note:

All model: G18, G20, G20Plus, G21, G22, G26, G28, G29, G30, G30Pro, G100, G100Plus

Only the model G20 was tested, since the electrical circuit design, layout, components used and internal wiring were identical for the above models, with difference being color of appearance and model name.

# 2 EN 62479 REQUIREMENT

## 2.1 General Description of Applied Standards

Assessment of the compliance of low power electronic and electrical equipment with the basic restrictions related to human exposure to electromagnetic fields (10 MHz to 300 GHz)

## 2.2 Human exposure to the Electromagnetic fields

This International Standard provides simple conformity assessment methods for low-power electronic and electrical equipment to an exposure limit relevant to electromagnetic fields (EMF). If such equipment cannot be shown to comply with the applicable EMF exposure requirements using the methods included in this standard for EMF assessment, then other standards, including IEC 62311 or other (EMF) product standards, may be used for conformity assessment.

## 2.3 RF Exposure Evaluation

### 2.3.1 Limit

According to EN 62479 clause 4.2 Low-power electronic and electrical equipment is deemed to comply with the provisions of thisstandard if it can be demonstrated using routes B, C or D that the available antenna powerand/or the average total radiated power is less than or equal to the applicable low-power exclusion level Pmax.

P max = 20 mW (13 dBm) according to ICNIRP guidelines, since the EUT is General public used.

**Remark:**

B: The input power level to electrical or electronic components that are capable of radiating electromagnetic energy in the relevant frequency range is so low that the available antenna power and/or the average total radiated power cannot exceed the low-power exclusion level defined in EN 62479 clause 4.2

C: The available antenna power and/or the average total radiated power are limited by product standards for transmitters to levels below the low-power exclusion level defined in EN 62479 clause 4.2

D: Measurements or calculations show that the available antenna power and/or the average total radiated power are below the low-power exclusion level defined in EN 62479 clauses 4.2.

### 2.3.2 Test Result

For BLE:

The EIRP of the EUT is 1.73mW which is below the max permitted sending level of 20 mW, and then the EUT is not need to conduct SAR measurement.

# 3 EUT Photos

Refer to Photographs of EUT Constructional Details for CQASZ20190400303E-01.