



## 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](http://www.cqa-cert.com)

Report Template Version: V03  
Revision Issue Date: Mar.1st,2017

# RF Exposure Evaluation

**Applicant:** 1MORE Shen Zhen Acoustic Technology Co., Ltd.

**Address of Applicant:** Tianliao Building 1403-1411, Zone A Tianliao Industrial Park, Taoyuan Street, Nanshan District, Shenzhen, P.R. China

**Manufacturer:** 1MORE Shen Zhen Acoustic Technology Co., Ltd.

**Address of Manufacturer:** Tianliao Building 1403-1411, Zone A Tianliao Industrial Park, Taoyuan Street, Nanshan District, Shenzhen, P.R. China

**Factory:** 1MORE Shen Zhen Acoustic Technology Co., Ltd.

**Address of Factory:** Tianliao Building 1403-1411, Zone A Tianliao Industrial Park, Taoyuan Street, Nanshan District, Shenzhen, P.R. China

**Equipment Under Test (EUT):**

**Product:** 1MORE iBFree Sport Bluetooth In-Ear Headphones

**Model No.:** E1018BT, E1002BT, E1003BT, E1009BT

**Test Model No.:** E1018BT

**Brand Name:** 1MORE

**Standards:** EN 62479: 2010

**Date of Test:** 2017-09-08 to 2017-09-14

**Date of Issue:** 2017-09-14

**Report No.:** CQASZ170701364EW-03

**Test Result :** Pass\*

Tested By:

*Aaron Ma*

(Aaron Ma)

Reviewed By:

*Owen Zhou*

(Owen Zhou)

Approved By:

*Jack Ai*

(Jack Ai)



\* In the configuration tested, the EUT detailed in this report complied with the standards specified above.

\* The other tests (e.g. Low Voltage Directive 2014/30/EU) required in RED Directive 2014/53/EU were not included in the report, only part tests related to EMC were performed and reported in this report. Hence to clarify compliance with RED Directive 2014/53/EU shall comply with the other essential required tests additionally.

**Revision History Of Report**

| Report No.          | Version | Description    | Issue Date |
|---------------------|---------|----------------|------------|
| CQASZ170701364EW-03 | Rev.01  | Initial report | 2017-09-14 |

---

## CONTENTS

|   | Page     |
|---|----------|
| <b>1 GENERAL INFORMATION.....</b>                             | <b>4</b> |
| <b>1.1 CLIENT INFORMATION .....</b>                           | <b>4</b> |
| <b>1.2 GENERAL DESCRIPTION OF EUT .....</b>                   | <b>4</b> |
| <b>2 EN 62479 REQUIREMENT .....</b>                           | <b>5</b> |
| <b>2.1 GENERAL DESCRIPTION OF APPLIED STANDARDS.....</b>      | <b>5</b> |
| <b>2.2 HUMAN EXPOSURE TO THE ELECTROMAGNETIC FIELDS .....</b> | <b>5</b> |
| <b>2.3 RF EXPOSURE EVALUATION .....</b>                       | <b>5</b> |
| 2.3.1 <i>Limit</i> .....                                      | 5        |
| 2.3.2 <i>Test Result</i> .....                                | 5        |
| <b>3 EUT PHOTOS .....</b>                                     | <b>5</b> |

## 1 General Information

### 1.1 Client Information

|                          |  |
|--------------------------|--|
| Applicant:               | 1MORE Shen Zhen Acoustic Technology Co., Ltd.  |
| Address of Applicant:    | Tianliao Building 1403-1411, Zone A Tianliao Industrial Park, Taoyuan Street, Nanshan District, Shenzhen, P.R. China |
| Manufacturer:            | 1MORE Shen Zhen Acoustic Technology Co., Ltd.  |
| Address of Manufacturer: | Tianliao Building 1403-1411, Zone A Tianliao Industrial Park, Taoyuan Street, Nanshan District, Shenzhen, P.R. China |
| Factory:                 | 1MORE Shen Zhen Acoustic Technology Co., Ltd.  |
| Address of Factory:      | Tianliao Building 1403-1411, Zone A Tianliao Industrial Park, Taoyuan Street, Nanshan District, Shenzhen, P.R. China |

### 1.2 General Description of EUT

|                       |   |
|-----------------------|---|
| Product Name:         | 1MORE iBFree Sport Bluetooth In-Ear Headphones                        |
| Model No.:            | E1018BT, E1002BT, E1003BT, E1009BT                                    |
| Trade Mark:           | 1MORE   |
| Operation Frequency:  | 2402MHz to 2480MHz  |
| Channel Numbers:      | 79 Channels   |
| Channel Separation:   | 1MHz  |
| Type of Modulation:   | GFSK, $\pi/4$ DQPSK, 8DPSK  |
| Hardware Version:     | V3.0  |
| Software Version:     | V1.0  |
| Bluetooth Version:    | V4.2  |
| Modulation Technique: | Frequency Hopping Spread Spectrum(FHSS)                               |
| Hopping Channel Type: | Adaptive Frequency Hopping systems                                    |
| Sample Type:          | Portable production   |
| Antenna Type:         | Integral antenna  |
| Antenna Gain:         | 1.0dBi  |
| Power Supply:         | lithium battery:<br>Model: MH49593<br>DC3.7V, 60mAh, Charge by DC5.0V |
| EIRP:                 | 1.92dBm(1.56mW)*  |
| *                     | The EIRP data refer to the report CQASZ170701364EW-03                 |

## 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 this standard if it can be demonstrated using routes B, C or D that the available antenna power and/or the average total radiated power is less than or equal to the applicable low-power exclusion level  $P_{max}$ .

$P_{max} = 20 \text{ mW}$  (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

The EIRP of the EUT is 1.56mW 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 Appendix A - Photographs of EUT Constructional Details for CQASZ170701364EW.