# RF EXPOSURE REPORT

| | |
|---|---|
| Applicant: | ICON Health & Fitness Inc. |
| Address: | 1500 South 1000 West,Logan, UT 84321, USA |

| | |
|---|---|
| Manufacturer or Supplier: | ICON Health & Fitness Inc. |
| Address: | 1500 South 1000 West,Logan, UT 84321, USA |
| Product: | Tablet |
| Brand Name: | N/A |
| Model Name: | MP14-ARGON2 |
| FCC ID: | OMC415321 |
| Date of tests: | Nov. 29, 2019 ~ Mar. 03, 2020 |

The submitted sample of the above equipment has been tested for according to the requirements of the following standards:

☒ **IEEE C95.1**
☒ **FCC Part 2.1091**
☒ **KDB 447498 D01 General RF Exposure Guidance v06**

**CONCLUSION: The submitted sample was found to COMPLY with the test requirement**

| Prepared by Alex Chen<br>Engineer / Mobile Department | Approved by Luke Lu<br>Manager / Mobile Department |
|---|---|
|  <br>Date: Mar. 04, 2020 |  <br>Date: Mar. 04, 2020 |

# TABLE OF CONTENTS

**RF EXPOSURE REPORT ..... 1**
**RELEASE CONTROL RECORD ..... 3**
**1 GENERAL INFORMATION ..... 4**
1.1 GENERAL DESCRIPTION OF EUT ..... 4
**2 RF EXPOSURE ..... 6**
2.1 LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE) ..... 6
2.2 MPE CALCULATION FORMULA ..... 6
2.3 CLASSIFICATION ..... 7
2.4 CALCULATION RESULT OF MAXIMUM CONDUCTED POWER ..... 8
2.5 CONCLUSION OF SIMULTANEOUS TRANSMITTER**Error! Bookmark not defined.**

# RELEASE CONTROL RECORD

| ISSUE NO. | REASON FOR CHANGE | DATE ISSUED |
|---|---|---|
| SA191128W001 | Original release | Mar. 04, 2020 |

BV 7Layers Communications Technology (Shenzhen) Co. Ltd

No.B102, Dazu Chuangxin Mansion, North of Beihuan Avenue, North Area, Hi-Tech Industrial Park, Nanshan District, Shenzhen, Guangdong, China

Tel: +86 755 8869 6566
Fax: +86 755 8869 6577
Email: customerservice.dg@cn.bureauveritas.com

# 1 GENERAL INFORMATION

## 1.1 GENERAL DESCRIPTION OF EUT

| | | |
|---|---|---|
| **PRODUCT** | Tablet | |
| **BRAND NAME** | N/A | |
| **MODEL NAME** | MP14-ARGON2 | |
| **NOMINAL VOLTAGE** | DC 12V | |
| **OPERATING TEMPERATURE RANGE** | 0 ~ 40℃ | |
| **MODULATION TYPE** | **BT_LE** | GFSK |
| | **WLAN** | DSSS, OFDM |
| | **Bluetooth** | GFSK, π/4-DQPSK, 8DPSK |
| **OPERATING FREQUENCY** | **Bluetooth/BT_LE** | 2402MHz ~ 2480MHz |
| | **WLAN** | 2412 ~ 2462MHz for 11b/g/n(HT20)<br>5180 ~ 5240MHz, 5260 ~ 5320MHz,<br>5500 ~5700MHz, 5745 ~ 5805MHz for 11a/ n(HT20)/ n(HT40) |
| **ANTENNA GAIN** | **BT** | PIFA Antenna with 2.31dBi gain |
| | **WLAN 2.4G** | PIFA Antenna with 2.31dBi gain |
| | **WLAN 5G** | 5180 ~ 5240MHz: PIFA Antenna with 2.93dBi gain |
| | | 5260 ~ 5320MHz: PIFA Antenna with 2.96dBi gain |
| | | 5500 ~5700MHz: PIFA Antenna with 3.82dBi gain |
| | | 5745 ~ 5805MHz: PIFA Antenna with 4.45dBi gain |
| **HW VERSION** | A492C | |
| **SW VERSION** | argon | |
| **CABLE SUPPLIED** | N/A | |
| **ACCESSORY DEVICES** | Refer to note as below | |

**NOTE**:

1. For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.

2. For the test results, the EUT had been tested with all conditions. But only the worst case was shown in test report.

# 2 RF EXPOSURE

## 2.1 LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

| Frequency range (MHz) | Electric field strength (V/m) | Magnetic field strength (A/m) | Power density ($mW/cm^2$) | Averaging time (minutes) |
|---|---|---|---|---|
| **(A) Limits for Occupational/Controlled Exposure** | | | | |
| 0.3-3.0 | 614 | 1.63 | *100 | 6 |
| 3.0-30 | 1842/f | 4.89/f | $*900/f^2$ | 6 |
| 30-300 | 61.4 | 0.163 | 1.0 | 6 |
| 300-1,500 | | | f/300 | 6 |
| 1,500-100,000 | | | 5 | 6 |
| **(B) Limits for General Population/Uncontrolled Exposure** | | | | |
| 0.3-1.34 | 614 | 1.63 | *100 | 30 |
| 1.34-30 | 824/f | 2.19/f | $*180/f^2$ | 30 |
| 30-300 | 27.5 | 0.073 | 0.2 | 30 |
| 300-1,500 | | | f/1500 | 30 |
| 1,500-100,000 | | | 1.0 | 30 |

f = Frequency in MHz

## 2.2 MPE CALCULATION FORMULA

$Pd = (Pout*G) / (4*Pi*R^2)$

where

Pd = power density in $mW/cm^2$

Pout = output power to antenna in mW

G = gain of antenna in linear scale

Pi = 3.1416

R = distance between observation point and center of the radiator in cm

## 2.3 CLASSIFICATION

The antenna of this product, under normal use condition, is at least 20cm away from the body of the user. So, this device is classified as **Mobile Device**.

## 2.4 CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

**BT**

| Mode | Frequency (MHz) | Operating Mode | Antenna Gain (dBi) | Tune-up Power (dBm) | Tune-up Power (mW) | Power Density (mW/cm^2) | limit (mW/cm^2) | PASS / FAIL |
|---|---|---|---|---|---|---|---|---|
| **Bluetooth** | 2402 | GFSK | 2.31 | 8.0 | 6.31 | 0.0021 | 1.00 | PASS |
| **BT_LE (1M)** | 2402 | GFSK | 2.31 | 8.0 | 6.31 | 0.0021 | 1.00 | PASS |

**WIFI 2.4G**

| Mode | Frequency (MHz) | Operating Mode | Antenna Gain (dBi) | Tune-up Power (dBm) | Tune-up Power (mW) | Power Density (mW/cm^2) | limit (mW/cm^2) | PASS / FAIL |
|---|---|---|---|---|---|---|---|---|
| **WIFI 2.4G** | 2412 | 11b | 2.31 | 17.0 | 50.12 | 0.017 | 1.00 | PASS |

**WIFI 5G**

| Mode | Frequency (MHz) | Operating Mode | Antenna Gain (dBi) | Tune-up Power (dBm) | Tune-up Power (mW) | Power Density (mW/cm^2) | limit (mW/cm^2) | PASS / FAIL |
|---|---|---|---|---|---|---|---|---|
| **BAND 1** | 5180 | 11a | 2.93 | 15.0 | 31.62 | 0.0124 | 1.00 | PASS |
| **BAND 2** | 5260 | 11a | 2.96 | 15.0 | 31.62 | 0.0124 | 1.00 | PASS |
| **BAND 3** | 5470 | 11a | 3.82 | 15.0 | 31.62 | 0.0152 | 1.00 | PASS |
| **BAND 4** | 5745 | 11a | 4.45 | 15.0 | 31.62 | 0.0175 | 1.00 | PASS |

**--END--**