



**中认信通**

CHINA CERTIFICATION ICT CO., LTD (DONGGUAN)



## RF EXPOSURE EVALUATION REPORT

**Applicant:** A Beep, LLC

Address: 710 W JEFFERSON ST, Joliet, IL, 60435, United States

**FCC ID:** 2APPUSR500

**Product Name:** MOBILE RADIO

**Standard(s):** 47 CFR §1.1310, 47 CFR §2.1091

**KDB 447498 D04 Interim General RF Exposure  
Guidance v01**

The above equipment has been tested and found compliant with the requirement of the relative standards by China Certification ICT Co., Ltd (Dongguan)

**Report Number:** CR22050037 -00C

**Date Of Issue:** 2022-08-15

**Reviewed By:** Sun Zhong

*Sun Zhong*

Title: Manager

**Test Laboratory:** China Certification ICT Co., Ltd (Dongguan)

No. 113, Pingkang Road, Dalang Town, Dongguan,  
Guangdong, China

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## **Test Facility**

The Test site used by China Certification ICT Co., Ltd (Dongguan) to collect test data is located on the No. 113, Pingkang Road, Dalang Town, Dongguan, Guangdong, China.

The lab has been recognized as the FCC accredited lab under the KDB 974614 D01 and is listed in the FCC Public Access Link (PAL) database, FCC Registration No. : 442868, the FCC Designation No. : CN1314.

The lab has been recognized by Innovation, Science and Economic Development Canada to test to Canadian radio equipment requirements, the CAB identifier: CN0123.

## **Declarations**

China Certification ICT Co., Ltd (Dongguan) is not responsible for the authenticity of any test data provided by the applicant. Data included from the applicant that may affect test results are marked with a triangle symbol “▲”. Customer model name, addresses, names, trademarks etc. are not considered data.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

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## 1.1 Applicable Standard

According to §1.1307(b)(3)(i)

(B) Or the available maximum time-averaged power or effective radiated power (ERP), whichever is greater, is less than or equal to the threshold  $P_{th}$  (mW) described in the following formula. This method shall only be used at separation distances (cm) from 0.5 centimeters to 40 centimeters and at frequencies from 0.3 GHz to 6 GHz (inclusive).  $P_{th}$  is given by:

$$P_{th} \text{ (mW)} = \begin{cases} ERP_{20 \text{ cm}} (d/20 \text{ cm})^x & d \leq 20 \text{ cm} \\ ERP_{20 \text{ cm}} & 20 \text{ cm} < d \leq 40 \text{ cm} \end{cases}$$

Where

$$x = -\log_{10} \left( \frac{60}{ERP_{20 \text{ cm}} \sqrt{f}} \right) \text{ and } f \text{ is in GHz;}$$

and

$$ERP_{20 \text{ cm}} \text{ (mW)} = \begin{cases} 2040f & 0.3 \text{ GHz} \leq f < 1.5 \text{ GHz} \\ 3060 & 1.5 \text{ GHz} \leq f \leq 6 \text{ GHz} \end{cases}$$

$d$  = the separation distance (cm);

## 1.2 EUT Information ▲:

| Operation Modes | Operation Frequency (MHz) | Conducted output power including Tune-up Tolerance (dBm) | Maximum Antenna Gain (dBi) |
|-----------------|---------------------------|--|----------------------------|
| WCDMA B2        | 1850-1910                 | 23   | 3.66                       |
| WCDMA B4        | 1710-1755                 | 23   | 3.87                       |
| WCDMA B5        | 824-849                   | 23   | 0.88                       |
| LTE B2          | 1850-1910                 | 24   | 3.66                       |
| LTE B4          | 1710-1755                 | 24   | 3.87                       |
| LTE B5          | 824-849                   | 24   | 0.88                       |
| LTE B12         | 699-716                   | 24   | -0.70                      |
| LTE B13         | 777-787                   | 24   | 0.31                       |
| LTE B14         | 788-798                   | 24   | -0.29                      |
| LTE B66         | 1710-1780                 | 23   | 3.87                       |
| LTE B71         | 663-698                   | 24   | -1.38                      |

Note:

1. The Above Parameters were provided by the manufacturer.

### 1.3 Measurement Result

| Operation Modes | Frequency (MHz) | Distance (mm) | P <sub>th</sub> |       | Maximum Conducted Power including Tune-up Tolerance (dBm) | Antenna Gain (dBi) | ERP (dBm) | ERP (mW) | Exemption |
|-----------------|-----------------|---------------|-----------------|-------|---|--------------------|-----------|----------|-----------|
|                 |                 |               | (mW)            | (dBm) |   |                    |           |          |           |
| WCDMA B2        | 1850-1910       | 200           | 3060            | 34.86 | 23  | 3.66               | 24.51     | 282.49   | Compliant |
| WCDMA B4        | 1710-1755       | 200           | 3060            | 34.86 | 23  | 3.87               | 24.72     | 296.48   | Compliant |
| WCDMA B5        | 824-849         | 200           | 1681            | 32.26 | 23  | 0.88               | 21.73     | 148.94   | Compliant |
| LTE B2          | 1850-1910       | 200           | 3060            | 34.86 | 24  | 3.66               | 25.51     | 355.63   | Compliant |
| LTE B4          | 1710-1755       | 200           | 3060            | 34.86 | 24  | 3.87               | 25.72     | 373.25   | Compliant |
| LTE B5          | 824-849         | 200           | 1681            | 32.26 | 24  | 0.88               | 22.73     | 187.50   | Compliant |
| LTE B12         | 699-716         | 200           | 1426            | 31.54 | 24  | -0.70              | 21.15     | 130.32   | Compliant |
| LTE B13         | 777-787         | 200           | 1585            | 32.00 | 24  | 0.31               | 22.16     | 164.44   | Compliant |
| LTE B14         | 788-798         | 200           | 1608            | 32.06 | 24  | -0.29              | 21.56     | 143.22   | Compliant |
| LTE B66         | 1710-1780       | 200           | 3060            | 34.86 | 23  | 3.87               | 24.72     | 296.48   | Compliant |
| LTE B71         | 663-698         | 200           | 1353            | 31.31 | 24  | -1.38              | 20.47     | 111.43   | Compliant |

**Result: The device compliant the Exemption at 20cm distances.**

**===== END OF REPORT =====**