



**中认信通**

CHINA CERTIFICATION ICT CO., LTD (DONGGUAN)



# RF EXPOSURE EVALUATION

**Applicant: Anker Innovations Limited**

Address: Room 1318-19, Hollywood Plaza, 610 Nathan Road, Mongkok, Kowloon,  
Hong Kong

**FCC ID: 2AOKB-T8425S**

**Product Name: Floodlight Cam E340**

**Standard(s): 47 CFR §1.1310, 47 CFR §2.1091  
447498 D01 General RF Exposure Guidance v06**

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: CR230850745-00F**

**Date Of Issue: 2023/9/29**

**Reviewed By: Julie Tan**

Title: RF Engineer

*Julie Tan*

**Approved By: Sun Zhong**

*Sun Zhong*

Title: Manager

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

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

Guangdong, China

Tel: +86-769-82016888

## 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.

This report cannot be reproduced except in full, without prior written approval of the Company.

This report is valid only with a valid digital signature. The digital signature may be available only under the Adobe software above version 7.0.

This report may contain data that are not covered by the accreditation scope and shall be marked with an asterisk “★”.

## CONTENTS

|  |   |
|--|---|
| TEST FACILITY .....  | 2 |
| DECLARATIONS.....  | 2 |
| DOCUMENT REVISION HISTORY .....                                | 4 |
| FCC§1.1310 & §2.1091- MAXIMUM PERMISSIBLE EXPOSURE (MPE) ..... | 5 |
| 1.1 APPLICABLE STANDARD .....                                  | 5 |
| 1.2 EUT INFORMATION ▲: .....                                   | 6 |
| 1.3 MEASUREMENT RESULT .....                                   | 6 |

---

## DOCUMENT REVISION HISTORY

---

| Revision Number | Report Number   | Description of Revision | Date of Revision |
|-----------------|-----------------|-------------------------|------------------|
| 1.0             | CR230850745-00F | Original Report         | 2023/9/29        |

## **FCC§1.1310 & §2.1091- MAXIMUM PERMISSIBLE EXPOSURE (MPE)**

### **1.1 Applicable Standard**

According to subpart §1.1310, systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

Limits for Maximum Permissible Exposure (MPE) (§1.1310, §2.1091)

| <b>(B) Limits for General Population/Uncontrolled Exposure</b> |                                      |                                      |  |                                 |
|--|--------------------------------------|--------------------------------------|--|---------------------------------|
| <b>Frequency Range (MHz)</b>                                   | <b>Electric Field Strength (V/m)</b> | <b>Magnetic Field Strength (A/m)</b> | <b>Power Density (mW/cm<sup>2</sup>)</b> | <b>Averaging Time (minutes)</b> |
| 0.3–1.34   | 614                                  | 1.63                                 | *(100)                                   | 30                              |
| 1.34–30  | 824/f                                | 2.19/f                               | *(180/f <sup>2</sup> )                   | 30                              |
| 30–300   | 27.5                                 | 0.073                                | 0.2                                      | 30                              |
| 300–1500   | /                                    | /                                    | f/1500                                   | 30                              |
| 1500–100,000   | /                                    | /                                    | 1.0                                      | 30                              |

f = frequency in MHz; \* = Plane-wave equivalent power density;

According to §1.1310 and §2.1091 RF exposure is calculated.

#### **Calculation formula:**

Prediction of power density at the distance of the applicable MPE limit

$S = PG/4\pi R^2$  = power density (in appropriate units, e.g. mW/cm<sup>2</sup>);

P = power input to the antenna (in appropriate units, e.g., mW);

G = power gain of the antenna in the direction of interest relative to an isotropic radiator, the power gain factor, is normally numeric gain;

R = distance to the center of radiation of the antenna (appropriate units, e.g., cm);

For simultaneously transmit system, the calculated power density should comply with:

$$\sum_i \frac{S_i}{S_{Limit,i}} \leq 1$$

**1.2 EUT Information ▲:**

| Operation Modes | Operation Frequency (MHz) | Max Conducted output power including Tune-up Tolerance (dBm) | Maximum Antenna Gain (dBi) |
|-----------------|---------------------------|--|----------------------------|
| BLE             | 2402-2480                 | 4  | 2.9                        |
| 2.4G WLAN       | 2412-2462                 | 24   | 2.9                        |
| 5.2G WLAN       | 5150-5250                 | 15   | 4.8                        |
| 5.3G WLAN       | 5250-5350                 | 16   | 4.8                        |
| 5.6G WLAN       | 5470-5725                 | 11   | 4.8                        |
| 5.8G WLAN       | 5725-5850                 | 14   | 4.8                        |

Note:

1. The Above Parameters were provided by the manufacturer.

**1.3 Measurement Result**

| Operation Modes | Frequency (MHz) | Antenna Gain |           | Conducted output power including Tune-up Tolerance |        | Evaluation Distance (cm) | Power Density (mW/cm <sup>2</sup> ) | MPE Limit (mW/cm <sup>2</sup> ) |
|-----------------|-----------------|--------------|-----------|--|--------|--------------------------|-------------------------------------|---------------------------------|
|                 |                 | (dBi)        | (numeric) | (dBm)  | (mW)   |                          |                                     |                                 |
| BLE             | 2402-2480       | 2.9          | 1.95      | 4  | 2.51   | 20.00                    | 0.0010                              | 1                               |
| 2.4G WLAN       | 2412-2462       | 2.9          | 1.95      | 24   | 251.19 | 20.00                    | 0.0975                              | 1                               |
| WIFI 5G         | 5150-5250       | 4.8          | 3.02      | 15   | 31.62  | 20.00                    | 0.0190                              | 1                               |
|                 | 5250-5350       | 4.8          | 3.02      | 16   | 39.81  | 20.00                    | 0.0239                              | 1                               |
|                 | 5470-5725       | 4.8          | 3.02      | 11   | 12.59  | 20.00                    | 0.0076                              | 1                               |
|                 | 5725-5850       | 4.8          | 3.02      | 14   | 25.12  | 20.00                    | 0.0151                              | 1                               |

Note: The 2.4G Wifi, 5G Wifi or BLE can't transmit simultaneously.

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

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