

## RF Exposure Report

**Report No.:** SA190620C21

**FCC ID:** 2AQLWYYCBV2

**Test Model:** Cubo2

**Received Date:** Jun. 20, 2019

**Date of Evaluation:** Oct. 24, 2019

**Issued Date:** Oct. 30, 2019

**Applicant:** Yun yun AI Baby camera Co., Ltd.

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**Issued By:** Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch  
Lin Kou Laboratories

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**Test Location:** No. 19, Hwa Ya 2nd Rd., Wen Hwa Vil., Kwei Shan Dist., Taoyuan City  
33383, TAIWAN

**FCC Registration /**  
**Designation Number:** 788550 / TW0003



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### Release Control Record

| Issue No.   | Description      | Date Issued   |
|-------------|------------------|---------------|
| SA190620C21 | Original Release | Oct. 30, 2019 |

## 1 Certificate of Conformity

**Product:** Cubo AI Baby Monitor

**Brand:** CuboAi

**Test Model:** Cubo2

**Sample Status:** Production Unit

**Applicant:** Yun yun AI Baby camera Co., Ltd.

**Date of Evaluation:** Oct. 24, 2019

**Standards:** FCC Part 2 (Section 2.1091)

KDB 447498 D01 General RF Exposure Guidance v06

IEEE C95.3 -2002

The above equipment has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's RF characteristics under the conditions specified in this report.

**Prepared by :**

*Lena Wang*

**Date:**

Oct. 30, 2019

Lena Wang / Specialist

**Approved by :**

*Dylan Chiou*

**Date:**

Oct. 30, 2019

Dylan Chiou / Project Engineer

## 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 <sup>2</sup> ) | Average Time (minutes) |
|-------------------------------------------------------|-------------------------------|-------------------------------|-------------------------------------|------------------------|
| 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 <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

### 2.2 MPE Calculation Formula

$$P_d = (P_{out} \cdot G) / (4 \cdot \pi \cdot r^2)$$

where

$P_d$  = power density in mW/cm<sup>2</sup>

$P_{out}$  = 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

| Band | Frequency Band (MHz) | Max Power (dBm) | Antenna Gain (dBi) | Distance (cm) | Power Density (mW/cm <sup>2</sup> ) | Limit (mW/cm <sup>2</sup> ) |
|------|----------------------|-----------------|--------------------|---------------|-------------------------------------|-----------------------------|
| WLAN | 2412-2462            | 27.80           | 4.79               | 20            | 0.361                               | 1.00                        |
|      | 5180-5240            | 18.43           | 5.01               | 20            | 0.044                               | 1.00                        |
|      | 5745-5825            | 22.69           | 5.01               | 20            | 0.117                               | 1.00                        |

Note:

- Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.
- 2.4GHz: Directional gain = 1.78dBi + 10log(2) = 4.79dBi  
5.0GHz: Directional gain = 2dBi + 10log(2) = 5.01dBi

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