**Report No.:** SABAOZ-WTW-P21030111B

**FCC ID:** 2AEUPBHASC071

**Test Model:** 5UM7E5

**Received Date:** May 29, 2019

**Test Date:** June 17, 2019

**Issued Date:** Oct. 04, 2021

**Applicant:** Ring LLC

**Address:** 1523 26th Street, Santa Monica,CA 90404 United States

**Issued By:** Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch Hsin Chu Laboratory

**Lab Address:** E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300, Taiwan R.O.C.

**Test Location:** E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300, Taiwan R.O.C.

**FCC Registration / Designation Number:** 723255 / TW2022

## Table of Contents

## Report Issue History Record of EUT

| Attachment No. | Issue Date | Description |
|---|---|---|
| SA190529E02 | July 09, 2019 | Original release. |
| SA190529E02A | Aug. 22, 2019 | Changed the product name from "Stick Up Cam Lite" to "Stick Up Cam Plug-In, Stick Up Cam Battery" |
| SA190529E02C | Mar. 25, 2020 | Add case of black color. |
| SABAOZ-WTW-P21030111B | Oct. 04, 2021 | 1. Added new antenna for Bluetooth.<br>2. Added 2nd source component list, more detailed information, please refer to Report No.: RFBAOZ-WTW-P21030111B section 3.1. |

## Release Control Record

| Issue No. | Description | Date Issued |
|---|---|---|
| SABAOZ-WTW-P21030111B | Original release. | Oct. 04, 2021 |

# 1 Certificate of Conformity

**Product:** Stick Up Cam Plug-In, Stick Up Cam Battery

**Brand:** Ring

**Test Model:** 5UM7E5

**Sample Status:** Engineering sample

**Applicant:** Ring LLC
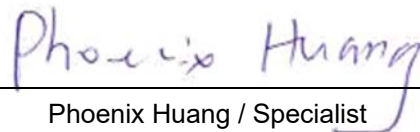
**Test Date:** June 17, 2019

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

KDB 447498 D01 General RF Exposure Guidance v06

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 EMC characteristics under the conditions specified in this report.

**Prepared by :** _Phoenix Huang_ , **Date:** Oct. 04, 2021

Phoenix Huang / Specialist

**Approved by :** _[signature]_ , **Date:** Oct. 04, 2021

Clark Lin / Technical Manager

## 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$^2$) | 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$^2$)* | 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

$$Pd = (Pout*G) / (4*pi*r^2)$$

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 Antenna Gain

| Origianl | | | | | | |
|---|---|---|---|---|---|---|
| **WLAN** | | | | | | |
| Brand | Model | Antenna Gain (dBi) | Frequency range (GHz) | Antenna Type | Connector Type | Cable Length (cm) |
| RF LINK | RF11C02698S | 2.7 | 2.4~2.4835 | FPC | i-pex(MHF) | 10 |
| **Bluetooth** | | | | | | |
| Brand | Model | Antenna Gain (dBi) | Frequency range (GHz) | Antenna Type | Connector Type | |
| ACX | AT3216-A2R4PAA | 2.9 | 2.4~2.4835 | Chip | None | |

| Newly | | | | | |
|---|---|---|---|---|---|
| **Bluetooth** | | | | | |
| Brand | Model | Antenna Gain (dBi) | Frequency range (GHz) | Antenna Type | Connector Type |
| Unictron | AA055M | 2.2 | 2.4~2.4835 | Chip | None |

## 2.5 Calculation Result of Maximum Conducted Power

Note:

1. This report is issued as a duplicate report of BV CPS report no.: SA190529E02C. The difference compared with the original report are add new antenna for Bluetooth and add $2^{nd}$ source component list (more detail please refer to Report No.: RFBAOZ-WTW-P21030111B section 3.1); therefore all test data was copied from the original test report.

2. The test data are copied which have obtained authorization from applicant and brand company both of the original test report (Report No.: SA190529E02C).

| Operation Mode | Evaluation Frequency (MHz) | Max Power (mW) | Antenna Gain (dBi) | Distance (cm) | Power Density (mW/cm$^2$) | Limit (mW/cm$^2$) |
|---|---|---|---|---|---|---|
| WLAN 2.4GHz | 2437 | 302.691 | 2.7 | 20 | 0.11213 | 1 |
| Bluetooth | 2402 | 3.236 | 2.9 | 20 | 0.00126 | 1 |

**--- END ---**