

**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

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**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. 2. Added 2 <sup>nd</sup> 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

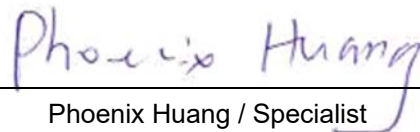
**Test Date:** June 17, 2019

**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 / Specialist

**Date:**

Oct. 04, 2021

**Approved by :**

  
Clark Lin / Technical Manager

**Date:**

Oct. 04, 2021

## 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 Antenna Gain

Original						
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<sup>nd</sup> 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 <sup>2</sup> )	Limit (mW/cm <sup>2</sup> )
WLAN 2.4GHz	2437	302.691	2.7	20	0.11213	1
Bluetooth	2402	3.236	2.9	20	0.00126	1

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