

RF Exposure Report

Report No.: SABAOZ-WTW-P21030111B

FCC ID: 2AEUPBHASC071

Test Model: 5UM7E5

Received Date: July 21, 2021

Test Date: July 31, 2021

Issued Date: Aug. 13, 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

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Test Location: E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300,
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**FCC Registration /
Designation Number:** 723255 / TW2022



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Release Control Record

Issue No.	Description	Date Issued
SABAOZ-WTW-P21030111B	Original release.	Aug. 13, 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: July 31, 2021

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 :

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Date:

Aug. 13, 2021

Cherry Chuo / Specialist

Approved by :

Clark Lin

Date:

Aug. 13, 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

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

where

P_d = power density in mW/cm²

P_{out} = output power to antenna in mW

G = gain of antenna in linear scale

π = 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 20 cm away from the body of the user. So, this device is classified as **Mobile Device**.

2.4 Antenna Gain

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	
Walsin Technology Corporation	RFECA3216060AM9FNH	3.37	2.4~2.4835	Chip		None

*The above Antenna information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications, the laboratory shall not be held responsible.

2.5 Calculation Result of Maximum Conducted Power

The Maximum average power was refer to original report (Report No: RF190529E02 & RF190529E02-1).

Operation Mode	Evaluation Frequency (MHz)	Max Power (mW)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm ²)	Limit (mW/cm ²)
WiFi 2.4GHz	2412-2462	73.451	2.7	20	0.02721	1
Bluetooth	2402-2480	3.214	3.37	20	0.00139	1

Note: Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

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