

RF Exposure Report

Report No.: SA190903C13

FCC ID: HBW-GDOCAM1

Test Model: GDOCAM1

Received Date: Sep. 03, 2019

Date of Evaluation: Oct. 15, 2019

Issued Date: Oct. 17, 2019

Applicant: The Chamberlain Group, Inc.

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



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Table of Contents

| | |
|---|----------|
| Release Control Record | 3 |
| 1 Certificate of Conformity | 4 |
| 2 RF Exposure | 5 |
| 2.1 Limits for Maximum Permissible Exposure (MPE) | 5 |
| 2.2 MPE Calculation Formula | 5 |
| 2.3 Classification | 5 |
| 2.4 Calculation Result of Maximum Conducted Power | 6 |



Release Control Record

| Issue No. | Description | Date Issued |
|-------------|------------------|---------------|
| SA190903C13 | Original Release | Oct. 17, 2019 |

1 Certificate of Conformity

Product: Hawkeye camera module

Test Model: GDOCAM1

Sample Status: Engineering Sample

Applicant: The Chamberlain Group, Inc.

Date of Evaluation: Oct. 15, 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 :  , Date: Oct. 17, 2019
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Approved by :  , Date: Oct. 17, 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 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/cm²

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 Calculation Result of Maximum Conducted Power

| Band | Frequency Band (MHz) | Max Power (dBm) | Antenna Gain (dBi) | Distance (cm) | Power Density (mW/cm ²) | Limit (mW/cm ²) |
|------|----------------------|-----------------|--------------------|---------------|-------------------------------------|-----------------------------|
| WLAN | 2412-2462 | 25.10 | 1.65 | 20 | 0.094 | 1.00 |
| | 5180-5240 | 17.44 | 1.97 | 20 | 0.017 | 1.00 |
| | 5745-5825 | 17.44 | 2.04 | 20 | 0.018 | 1.00 |
| BT | 2402-2480 | 6.64 | 1.65 | 20 | 0.001 | 1.00 |

Note:

1. Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.
2. The device WiFi 2.4GHz \ 5GHz and BT modes doesn't support simultaneously transmit.

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