

## RF Exposure Report

**Report No.:** SABWEY-WTW-P20120668

**FCC ID:** U9K-MS3001

**Test Model:** SSMS3

**Received Date:** Dec. 29, 2020

**Test Date:** Dec. 30, 2020 ~ Jan. 07, 2021

**Issued Date:** Jan. 25, 2021

**Applicant:** SIMPLISAFE, INC.

**Address:** 294 Washington St 9th Floor, Boston, Massachusetts, United States 02108

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

**Lab Address:** No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan

**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
SABWEY-WTW-P20120668	Original release	Jan. 25, 2021

## 1 Certificate of Conformity

**Product:** Motion Sensor

**Brand:** SimpliSafe

**Test Model:** SSMS3

**Sample Status:** Engineering sample

**Applicant:** SIMPLISAFE, INC.

**Test Date:** Dec. 30, 2020 ~ Jan. 07, 2021

**Standards:** FCC Part 2 (Section 2.1091)  
IEEE C95.3 -2002

**References Test Guidance:** 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 RF characteristics under the conditions specified in this report.

**Prepared by :** Celine Chou , **Date:** Jan. 25, 2021  
Celine Chou / Senior Specialist

**Approved by :** Bruce Chen , **Date:** Jan. 25, 2021  
Bruce Chen / Senior 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				
300-1500	...	...	F/1500	30
1500-100,000	...	...	1.0	30

F = Frequency in MHz

### 2.2 MPE Calculation Formula

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

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**.

## 3 Calculation Result of Maximum Conducted Power

Frequency Band (MHz)	Electric field (dBuV/m) @3m	Electric field (dBuV/m) @10m	Electric field (dBuV/m) @0.2m	Max Power (dBm)	Power Density (mW/cm <sup>2</sup> )	Limit (mW/cm <sup>2</sup> )
433.92	79.72	69.26	137.22	18.469	0.01398	0.289

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

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