

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
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FCC Registration / 788550 / TW0003
Designation Number:



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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 ²)	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

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

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 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 ²)	Limit (mW/cm ²)
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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