

RF Exposure Evaluation Report

Product Name : Motion Sensor

Model No. : CA001

FCC ID : U9K-CA0010

Applicant : SimpliSafe, Inc.

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

Date of Receipt : Jan. 10, 2022

Date of Declaration : Apr. 14, 2022

Report No. : 2210262R-RFUSMPEV02-A

Report Version : V1.0



The test results relate only to the samples tested.

The test results shown in the test report are traceable to the national/international standard through the calibration report of the equipment and evaluated measurement uncertainty herein.

This report must not be used to claim product endorsement by TAF or any agency of the government.

The test report shall not be reproduced without the written approval of DEKRA Testing and Certification Co., Ltd.

Measurement uncertainties evaluated for each testing system and associated connections are given here to provide the system information for reference. Compliance determinations do not take into account measurement uncertainties for each testing system, but are based on the results of the compliance measurement.

Issued Date: Apr. 14, 2022
 Report No.: 2210262R-RFUSMPEV02-A



Product Name	Motion Sensor	
Applicant	SimpliSafe, Inc.	
Address	294 Washington St 9th Floor, Boston 02108, Massachusetts, United States	
Manufacturer	SimpliSafe, Inc.	
Model No.	CA001	
FCC ID.	U9K-CA0010	
Trade Name	SimpliSafe	
Applicable Standard	KDB 447498 D01 v06	<input type="checkbox"/> Minimum test separation distance ≥ 20 cm <input checked="" type="checkbox"/> For low power devices
Test Result	Complied	

Documented By : Jinn Chen
 (Supervisor / Jinn Chen)

Tested By : Jack Hsu
 (Senior Engineer / Jack Hsu)

Approved By : Tim Sung
 (Manager / Tim Sung)

Revision History

Report No.	Version	Description	Issued Date
2210262R-RFUSMPEV02-A	V1.0	Initial issue of report.	Apr. 14, 2022

1. GENERAL INFORMATION

1.1. EUT Description

Product Name	Motion Sensor
Trade Name	SimpliSafe
Model No.	CA001
FCC ID.	U9K-CA0010
Frequency Range	433.92MHz
Channel Number	1CH
Type of Modulation	FSK
Antenna Type	Monopole Antenna

1.2. Test Facility

USA : **FCC Registration Number: TW0033**

Canada : **IC Registration Number: 26930**

Site Description : Accredited by TAF
Accredited Number: 3023

Test Laboratory : DEKRA Testing and Certification Co., Ltd
Address : No. 5-22, Ruishukeng Linkou District, New Taipei City,
24451, Taiwan

Performed Location : No. 26, Huaya 1st Rd., Guishan Dist., Taoyuan City
333411, Taiwan, R.O.C.

Phone number : +886-3-275-7255

Fax number : +866-3-327-8031

Email address : info.tw@dekra.com

Website : <http://www.dekra.com.tw>

2. RF Exposure Evaluation

2.1. Standard Applicable

According to 1.1307 (b)(1), systems operating under the provisions of this section shall be operated in a manner that ensure that the public is not exposed to radio frequency energy level in excess of the Commission's guideline.

2.2. Measurement Result:

According to KDB Publication 447498 D01, section 4.3.1, per the calculations of item 1 ($\text{Power(mW)}/\text{separation (mm)}*\sqrt{f(\text{GHz})}\leq 3.0$), SAR is required as shown in the table below where calculated values are greater than 3.0:

Operation frequency = 433.92MHz and antenna separation distance = 5mm

Body SAR Test Exclusion Threshold = 22mW

Frequency Band (MHz)	Maximum H-Field power		SAR Test Exclusion Threshold	Calculated Threshold Value (≤ 3.0 SAR is not required)
	(dBuV/3m)	(mW)	(mW)	
433.92	84.32	0.05	22	0.007

Note1: The SAR/MPE measurement is not necessary.

Note2: The maximum peak output power is refer to report No.: 2210262R-RFUSOTHV04-A from the DEKRA.