

#### **FCC RF EXPOSURE REPORT**

For

**Sutro Smart Monitor** 

**MODEL NUMBER: SSM-1** 

FCC ID: 2ATKG-RAD78011

REPORT NUMBER: 4788967474-6

ISSUE DATE: June 27, 2019

Prepared for

Sutro Connect Inc. 181 2nd St. San Francisco, CA 94105, US

### Prepared by

UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch Building 10, Innovation Technology Park, No. 1, Li Bin Road, Song Shan Lake Hi-Tech Development Zone, Dongguan, People's Republic of China

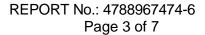
> Tel: +86 769-22038881 Fax: +86 769 33244054 Website: www.ul.com



Page 2 of 7

# **Revision History**

Rev.	Issue Date	Revisions	Revised By
V0	06/27/2019	Initial Issue	





# **TABLE OF CONTENTS**

1.	ATTESTATION OF TEST RESULTS	. 4
2.	TEST METHODOLOGY	. 5
3.	FACILITIES AND ACCREDITATION	. 5
4	REQUIREMENT	F



Page 4 of 7

# 1. ATTESTATION OF TEST RESULTS

**Applicant Information** 

Company Name: Sutro Connect Inc.

Address: 181 2nd St. San Francisco, CA 94105, US

**Manufacturer Information** 

Company Name: Sutro Connect Inc.

Address: 181 2nd St. San Francisco, CA 94105, US

**EUT Description** 

EUT Name: Sutro Smart Monitor

Model: SSM-1
Sample Status: Normal
Sample ID: 2299611
Sample Received Date: May 20, 2019

Date of Tested: May 28 ~ June 3, 2019

APPLICABLE STANDARDS

STANDARD TEST RESULTS

FCC 47CFR§2.1091 KDB-447498 D01 V06 Complies

Prepared By:

Denny Huang

Project Engineer

Checked By:

Shemmy les

Shawn Wen Laboratory Leader

Approved By:

Stephen Guo

**Laboratory Manager** 



Page 5 of 7

### 2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with KDB 447498 D01 General RF Exposure Guidance v06.

### 3. FACILITIES AND ACCREDITATION

	A2LA (Certificate No.: 4102.01)
	UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch.
	has been assessed and proved to be in compliance with A2LA.
	FCC (FCC Designation No.: CN1187)
	UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch.
	Has been recognized to perform compliance testing on equipment subject
	to the Commission's Delcaration of Conformity (DoC) and Certification
	rules
Accreditation	IC(Company No.: 21320)
Certificate	UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch.
Certificate	has been registered and fully described in a report filed with
	Industry Canada. The Company Number is 21320.
	VCCI (Registration No.: G-20019, R-20004, C-20012 and T-20011)
	UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch.
	has been assessed and proved to be in compliance with VCCI, the
	Membership No. is 3793.
	Facility Name:
	Chamber D, the VCCI registration No. is G-20019 and R-20004
	Shielding Room B, the VCCI registration No. is C-20012 and T-20011

#### Note:

- 1. All tests measurement facilities use to collect the measurement data are located at Building 10, Innovation Technology Park, Song Shan Lake Hi tech Development Zone, Dongguan, 523808, China
- 2. The test anechoic chamber in UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch had been calibrated and compared to the open field sites and the test anechoic chamber is shown to be equivalent to or worst case from the open field
- 3. For below 30MHz, lab had performed measurements at test anechoic chamber and comparing to measurements obtained on an open field site. And these measurements below 30MHz had been correlated to measurements performed on an OFS.

Page 6 of 7

# 4. REQUIREMENT

### **LIMIT**

Limits for General Population/Uncontrolled Exposure

Limits for General Population/Uncontrolled Exposure						
Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/cm²)	Averaging Time  E  <sup>2</sup> ,  H  <sup>2</sup> or S (minutes)		
0.3-1.34	614	1.63	(100)*	30		
1.34-30	824/f	2.19/f	(180/f2)*	30		
30-300	27.5	0.073	0.2	30		
300-1500			f/150	30		
1500-100,000			1.0	30		

Note 1: f = frequency in MHz, \* means Plane-wave equivalent power density

Note 2: General population/uncontrolled exposures apply in situations in which the general public may be exposed, or in which persons that are exposed as a consequence of their employment may not be fully aware of the potential for exposure or cannot exercise control over their exposure.

Note 3: The limit value 1.0mW/cm<sup>2</sup> is available for this EUT.

### **MPE CALCULATION METHOD**

 $S = PG/(4\pi R^2)$ 

where: S = power density (in appropriate units, e.g. mW/cm2)

P = power input to the antenna (in appropriate units, e.g., mW)

G = power gain of the antenna in the direction of interest relative to an isotropic radiator

R = distance to the center of radiation of the antenna (appropriate units, e.g., cm)



Page 7 of 7

### **CALCULATED RESULTS**

Radio Frequency Radiation Exposure Evaluation

915MHz Mode (Worst case)							
Operating	Max. Tune up Power	Antenna Gain		Power density	Limit		
Mode	(dBm)	(dBi)	(num)	(mW/ cm <sup>2</sup> )			
2FSK	14	2.0	1.58	0.008	6.1		

Note 1: The calculated distance is 20cm.

Note 2: All the modes had been tested, but only the worst case recorded in the report.

# **END OF REPORT**