



# Human Exposure Report

**Application No.:** SZEM2012012765CR (SHEM2010009144CR)  
**FCC ID:** 2AA7Y-MOSHIQI010  
**Applicant:** AEVOE INC.  
**Address of Applicant:** 3F, No. 42, Sec. 2, Zhongshan N. Rd., Zhongshan Dist., Taipei City 104, Taiwan  
**Manufacturer:** AEVOE INC.  
**Address of Manufacturer:** 3F, No. 42, Sec. 2, Zhongshan N. Rd., Zhongshan Dist., Taipei City 104, Taiwan  
**Factory:** 1. PEI YING INDUSTRIAL CO., LTD  
 2. Lanto Electronic Ltd.  
 1.No. 7, Wuquan 1st Rd., Xinzhuang Dist., New Taipei City 242, Taiwan (R.O.C.)  
 2. No 399, Baisheng Rd. Jinxi Town, Kunshan City, Jiangsu Province, China 215324  
**Address of Factory:**  
**Equipment Under Test (EUT):**  
**EUT Name:** Sette Q dual wireless charging pad  
**Model No.:** 99MO022272  
**Add Model No.:** 99MO022273  
**Trade Mark:** Moshi  
**Standards:** 47 CFR PART 1, Subpart I, Section 1.1310  
**Date of Receipt:** 2020-11-02  
**Date of Test:** 2020-11-04 to 2020-12-03  
**Date of Issue:** 2020-12-08

<b>Test Result :</b>	<b>Pass*</b>
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\* In the configuration tested, the EUT complied with the standards specified above.

Keny Xu  
EMC Laboratory Manager



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Revision Record			
Version	Description	Date	Remark
00	Original	2020-12-08	/

<b>Authorized for issue by:</b>			
		<i>Foray Chen</i>	
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		<i>Eric Fu</i>	
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### 3 General Information

#### 3.1 Details of E.U.T.

Power supply: Input: DC15V 2A by adapter  
 Output (USB): DC5V 1A (Max)  
 Wireless charging (Single):15W (DC9V 1.67A)  
 Wireless charging (Dual):7.5W\*2 (DC9V 0.83A)

Test voltage: AC 120V/60Hz

Serial Number: 25WBP20BP000G

Firmware Version: Moshi\_Dual 10W\_1208

Cable: USB Cable 100cm

Antenna Type: Inductive Loop Coil Antenna

Modulation Type: Load Modulation

Operation Frequency: 110kHz to 130kHz

#### 3.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
Adapter	moshi	99MO022115	/
Load Resistor	/	/	/
Mobile Phoe	Apple	iPhone 12	/
Mobile Phoe	HUAWEI	Mate 20 Pro	/

#### Parameter of Adapter:

Adapter	Rated Input	AC100V-240V 50/60Hz 1000mA
	Rated Output	5V,3A;9V,3A;15V,2A





### 3.3 Test Location

All tests were performed at:

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen Branch

No. 1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, Guangdong, China. 518057.

Tel: +86 755 2601 2053 Fax: +86 755 2671 0594

No tests were sub-contracted.

### 3.4 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

• **A2LA (Certificate No. 3816.01)**

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 3816.01.

• **VCCI**

The 3m Fully-anechoic chamber for above 1GHz, 10m Semi-anechoic chamber for below 1GHz, Shielded Room for Mains Port Conducted Interference Measurement and Telecommunication Port Conducted Interference Measurement of SGS-CSTC Standards Technical Services Co., Ltd. have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: G-20026, R-14188, C-12383 and T-11153 respectively.

• **FCC –Designation Number: CN1178**

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized as an accredited testing laboratory.

Designation Number: CN1178. Test Firm Registration Number: 406779.

• **Innovation, Science and Economic Development Canada**

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized by ISED as an accredited testing laboratory.

CAB identifier: CN0006.

IC#: 4620C..

### 3.5 Deviation from Standards

None.

### 3.6 Abnormalities from Standard Conditions

None.



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## 4 Equipments Used during Test

Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. Due date (yyyy-mm-dd)
1	Shielding Room	SAEMC	MSR733	SEM001-09	2021-05-09
2	Boardband Field Meter	Narda	NBM-550	J07145	2021-11-19
3	Probe	Narda	EF-0691	J07145	2021-11-19





## 5 Test Results

### 5.1 RF Exposure test

Test Requirement: 47 CFR PART 1, Subpart I, Section 1.1310  
 Measurement Distance: 15 cm for surrounding the device and 20 cm for above the top surface.  
 Test voltage INPUT: DC 15V,2A by adapter  
 Wireless Output: 9V/7.5W or 9V/15W  
 Limit:

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm <sup>2</sup> )	Averaging time (minutes)
<b>(A) Limits for Occupational/Controlled Exposures</b>				
0.3-3.0	614	1.63	*(100)	6
3.0-30	1842/f	4.89/f	*(900/f <sup>2</sup> )	6
30-300	61.4	0.163	1.0	6
300-1500	/	/	f/300	6
1500-100,000	/	/	5	6
<b>(B) Limits for General Population/Uncontrolled Exposure</b>				
0.3-1.34	614	1.63	*(100)	30
1.34-30	824/f	2.19/f	*(180/f <sup>2</sup> )	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

RF exposure compliance will need to be determined with respect to 1.1307(c) and (d) of the FCC rules. The emissions should be within the limits at 300kHz in Table 1 of 1.1310(use the 300kHz limits for 150kHz:614V/m,1.63A/m).





E.U.T. Operation

Operating Environment:

Temperature: 24.0 °C Humidity: 52% RH Atmospheric Pressure: 1015 mbar

EUT Operation:

This device has been tested the worst status(AC input) of full load and the device has been tested with mobile phone at zero charge, intermediate charge, and full charge.

Simulation Load Mode

- Pre-test these modes to find the worst case: a:Left Wireless charging +USB A charging mode \_Keep the load charging via EUT, wireless charging load shall be set at full/half/empty load respectively.(15W/7.5W/0W) b:Right Wireless charging mode +USB A charging mode \_Keep the load charging via EUT, wireless charging load shall be set at full/half/empty load respectively.(15W/7.5W/0W) c:Dual Wireless charging mode +USB A charging mode \_Keep the load charging via EUT, wireless charging load shall be set at half load respectively.(15W/7.5W/0W) The worst case for final test: c:Dual Wireless charging mode+ +USB A charging mode \_Keep the load charging via EUT, wireless charging load shall be set at full load respectively.(15W)



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**Measurement Data:**

Electric Field Emissions

Test Position	Operating Frequency	Test Distance (cm)	Probe Measure Result (V/m)	Limit (V/m)	50% Limit (V/m)
Side 1	127.7KHz	15	8.47	614	307
Side 2	127.7KHz	15	8.43	614	307
Side 3	127.7KHz	15	8.28	614	307
Side 4	127.7KHz	15	8.29	614	307
Top	127.7KHz	20	8.31	614	307
Bottom	127.7KHz	15	8.74	614	307

Magnetic Field Emissions

Test Position	Operating Frequency	Test Distance (cm)	Probe Measure Result (A/m)	Limit (A/m)	50% Limit (A/m)
Side 1	127.7KHz	15	0.112	1.63	0.815
Side 2	127.7KHz	15	0.093	1.63	0.815
Side 3	127.7KHz	15	0.124	1.63	0.815
Side 4	127.7KHz	15	0.098	1.63	0.815
Top	127.7KHz	20	0.119	1.63	0.815
Bottom	127.7KHz	15	0.142	1.63	0.815





**Mobile phone Load Mode**

Mobile phone has been charge at zero charge, intermediate charge, and full charge. The Maximum value has been recorded in the below table.(DC 9V 15W)

**Measurement Data:**

**Electric Field Emissions**

Test Position	Operating Frequency	Test Distance (cm)	Probe Measure Result(V/m)			Limit(V/m)/ 50%Limit(V/m)
			zero charge	intermediate charge	full charge	
Side 1	127.7KHz	15	7.28	7.45	7.56	614/307
Side 2	127.7KHz	15	7.33	7.56	7.72	614/307
Side 3	127.7KHz	15	7.64	7.71	7.85	614/307
Side 4	127.7KHz	15	7.29	7.33	7.56	614/307
Top	127.7KHz	20	7.34	7.48	8.02	614/307
Bottom	127.7KHz	15	7.24	7.36	7.72	614/307

**Magnetic Field Emissions**

Test Position	Operating Frequency	Test Distance (cm)	Probe Measure Result(A/m)			Limit(A/m)/ 50%Limit(A/m)
			zero charge	intermediate charge	full charge	
Side 1	127.7KHz	15	0.0982	0.1263	0.1374	1.63/0.815
Side 2	127.7KHz	15	0.0932	0.1439	0.1574	1.63/0.815
Side 3	127.7KHz	15	0.1152	0.1529	0.1642	1.63/0.815
Side 4	127.7KHz	15	0.1194	0.1430	0.1669	1.63/0.815
Top	127.7KHz	20	0.1452	0.1743	0.1989	1.63/0.815
Bottom	127.7KHz	15	0.1783	0.1893	0.1923	1.63/0.815



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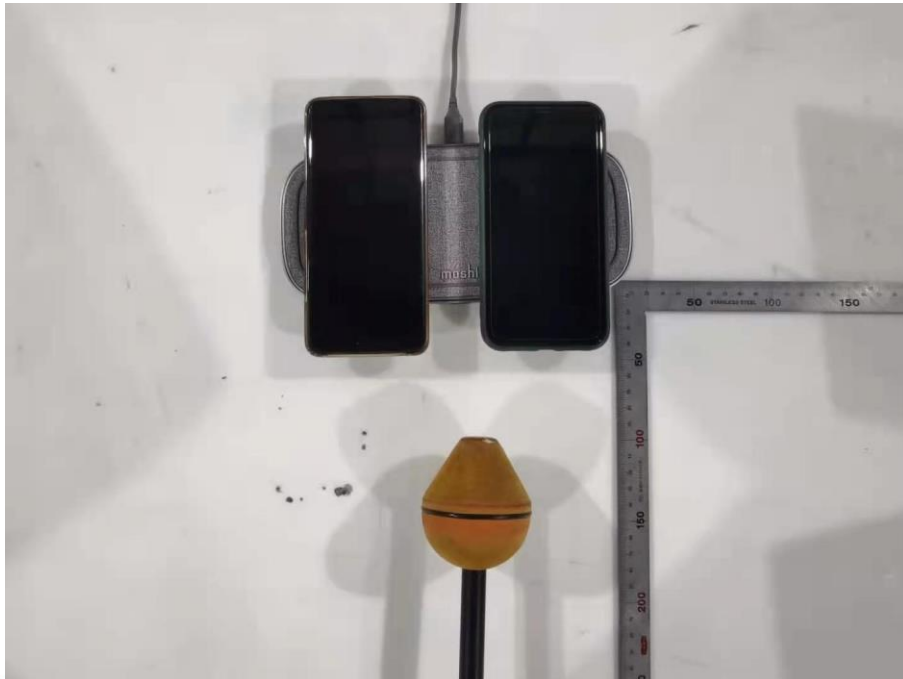
## 6 Photographs

### 6.1 Test photos

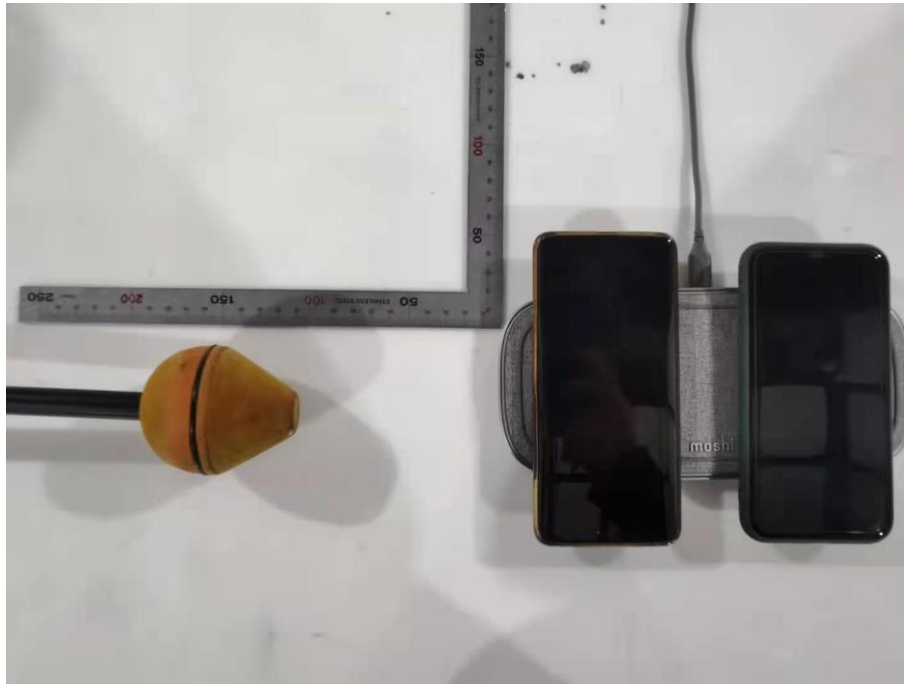
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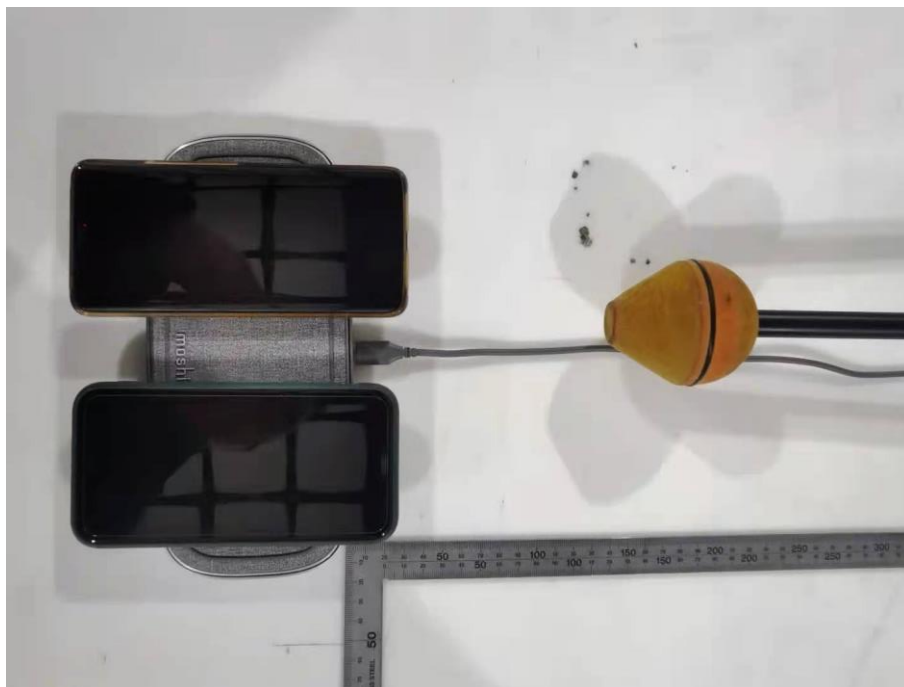
Side 2



Side 3

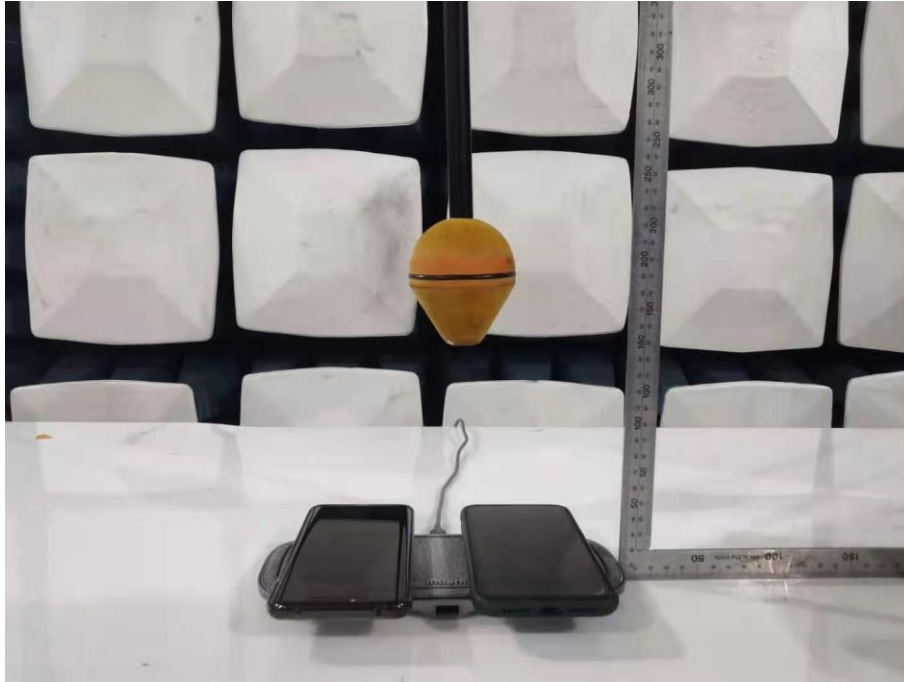


Side 4

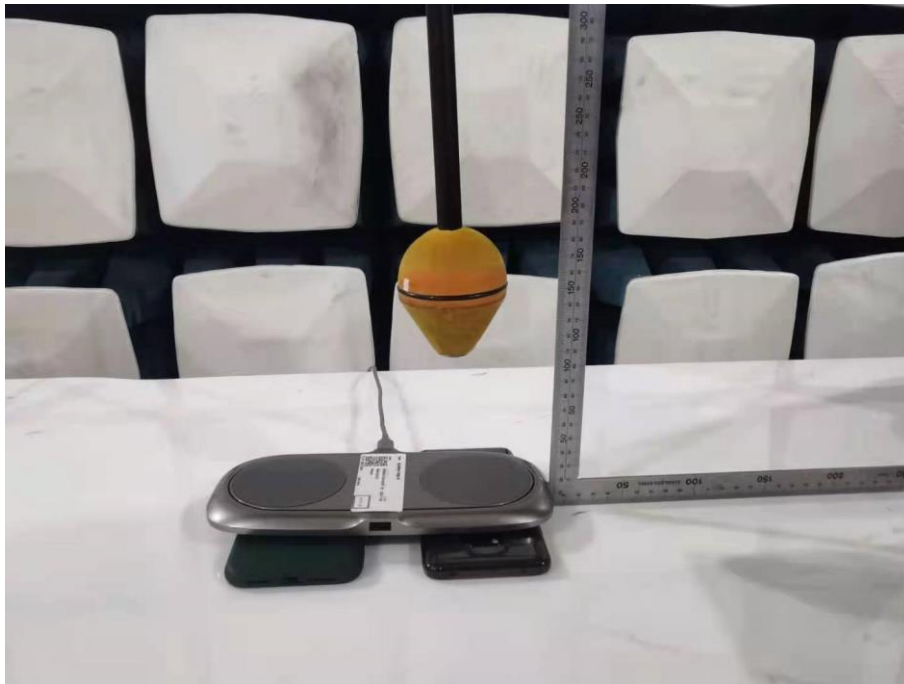




Top



Bottom



**- End of the Report -**

