



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

SZEMC-TRF-01 Rev. A/1

Report No.: SZCR240100001403

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# Human Exposure Report

**Application No.:** SZCR2401000014AT  
**Applicant:** JEM ACCESSORIES INC.  
**Address of Applicant:** 32 Brunswick Avenue Edison New Jersey 08817 United States  
**Manufacturer:** JEM ACCESSORIES INC.  
**Address of Manufacturer:** 32 Brunswick Avenue Edison New Jersey 08817 United States  
**Factory:** Shenzhen Tilv Technology Co., Ltd  
**Address of Factory:** 3/F Dongshan No.8 factory, Difu Rd., Gushu Community, Xixiang St., Baoan District, Shenzhen, China.

**Equipment Under Test (EUT):**  
**EUT Name:** Black 5 in 1 Desk Lamp  
**Model No.:** PLP7-1002-BLK("-XXX" is just modifier for marketing and color)  
**FCC ID:** 2AHAS-5IN1LMP  
**Standards:** 47 CFR PART 1, Subpart I, Section 1.1310  
47 CFR PART 2, Subpart J, Section 2.1091

**Date of Receipt:** 2024-01-02  
**Date of Test:** 2024-01-05 to 2024-01-23  
**Date of Issue:** 2024-01-26

<b>Test Result :</b>	<b>Pass*</b>
----------------------	--------------

\* In the configuration tested, the EUT complied with the standards specified above

Kenx Xu

Keny Xu  
EMC Laboratory Manager



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Shenzhen Branch Testing Laboratory

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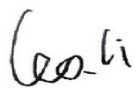
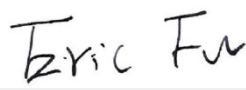
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Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2024-01-26		Original

Authorized for issue by:				
				
		Leo Li/Project Engineer		
				
		Eric Fu/Reviewer		



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### 3 General Information

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

Power supply:	Input: 9V/2.2A Airpods Output: 3W LED Power:5W USB Output:5V/1A Wireless Charger Output: 5/7.5W/10W/15W Adapter Model: PHC8-1035 Input: 100-240V~, 50/60Hz 0.5A Output: 5V/3A, 9V/2.22A, 12V/1.67A 20.0W
Cable(s):	Type-C cable:100cm unshielded
Operation frequency:	Output 1 (for smart phone): 115.30-171.28kHz Output 2 (for AirPods): 118.00-183.16kHz
Modulation type:	Load modulation
Antenna type:	Loop Antenna

Remark: The information in this section is provided by the applicant or manufacturer, SGS is not liable to the accuracy, suitability, reliability or/and integrity of the information.



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### 3.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
Earphone	Apple	A2566	REF. No.SEA10D00
Watch	Apple	Series 5	REF. No.SEA32A00
iPhone 12	Apple	MGGU3CH/A	REF. No.SEA16M00
iPhone 8	Apple	A1863	REF. No.SEA16J00
Mobile Phone	Nexus	MRA58K	REF. No.SEA16P00
Mobile Phone	SAMSUNG	SM-G9500	REF. No.SEA16J00
E-loading	SGS	N/A	REF. No.SEA42A00
iWatch Charger	Apple	N/A	REF. No.SEA434A00



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### 3.3 Test Location

All tests were performed at:

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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 (Member No. 1937)**

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.

Shenzhen EMC laboratory 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: CN1336**

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

Designation Number: CN1336. Test Firm Registration Number: 787754.

- **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.

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IC#: 4620C.



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3.5 Deviation from Standards

None.

3.6 Abnormalities from Standard Conditions

None.

4 Equipments Used during Test

Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. Due date
1	3m Fully-Anechoic Chamber	AUDIX	N/A	SEM001-02	2026-03-31
2	Electric and Magnetic Field Analyzer	Narda	EHP-200AC	SEM022-20	2024-03-31



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## 5 Test Results

### 5.1 RF Exposure test

Test Requirement: 47 CFR PART 1, Subpart I, Section 1.1310

47 CFR PART 2, Subpart J, Section 2.1091

Measurement Distance: 20cm

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).



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### 5.1.1 E.U.T. Operation

#### Operating Environment:

Temperature: 22.3 °C Humidity: 52.3 % RH Atmospheric Pressure: 1020 mbar

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

### 5.1.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Pre-scan	00	Operation(Wireless):Keep the EUT pairing with other devices(Output1: 5W).
Pre-scan	01	Operation(Wireless):Keep the EUT pairing with other devices(Output1: 7.5W).
Pre-scan	02	Operation(Wireless):Keep the EUT pairing with other devices(Output1: 10W).
Pre-scan	03	Operation(Wireless):Keep the EUT pairing with other devices(Output1: 15W).
Pre-scan	04	Operation(Wireless):Keep the EUT pairing with other devices(Output2: 5W).
Pre-scan	06	Operation(Wireless):Keep the EUT pairing with other devices(Output1: 5W+Output2: 5W).
Pre-scan	07	Operation(Wireless):Keep the EUT pairing with other devices(Output1: 7.5W+Output2: 5W).
Pre-scan	08	Operation(Wireless):Keep the EUT pairing with other devices(Output1: 10W+Output2: 5W).
Pre-scan	09	Operation(Wireless):Keep the EUT pairing with other devices(Output1: 15W+Output2: 5W).
Pre-scan	10	Operation(Wireless):Keep the EUT pairing with other devices(Output1: 5W+Output 3: 5W).
Pre-scan	11	Operation(Wireless):Keep the EUT pairing with other devices(Output1: 7.5W+Output3: 5W).
Pre-scan	12	Operation(Wireless):Keep the EUT pairing with other devices(Output1: 10W+Output 3: 5W).
Pre-scan	13	Operation(Wireless):Keep the EUT pairing with other devices(Output1: 15W+Output



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		3: 5W).
Pre-scan	14	Operation(Wireless):Keep the EUT pairing with other devices(Output2: 5W+Output 3: 5W).
Pre-scan	15	Operation(Wireless):Keep the EUT pairing with other devices(Output1: 5W+Output2: 5W+Output 3: 5W).
Pre-scan	16	Operation(Wireless):Keep the EUT pairing with other devices(Output1: 7.5W+Output2: 5W+Output 3: 5W).
Pre-scan	17	Operation(Wireless):Keep the EUT pairing with other devices(Output1: 10W+Output2: 5W+Output 3: 5W).
Final test	18	Operation(Wireless):Keep the EUT pairing with other devices(Output1: 15W+Output2: 5W+Output 3: 5W).



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### 5.1.3 Measurement Data

#### Magnetic Field Emissions

Operation frequency	Test Distance (cm)	Test Position	Probe Measure Result (A/m)			50 % Limit (A/m)	10 % Limit (A/m)
			unload	Half load	full load		
129.2 kHz which is the worst case within the operation frequency range	20	Side 1	0.037	0.118	0.136	0.815	0.163
		Side 2	0.036	0.118	0.131		
		Side 3	0.031	0.110	0.129		
		Side 4	0.051	0.106	0.123		
		Top	0.036	0.101	0.114		

Operation frequency	Test Distance (cm)	Test Position	Probe Measure Result(A/m)			50 % Limit (A/m)	10 % Limit (A/m)
			zero charge	intermediate charge	full charge		
134.3 kHz which is the worst case within the operation frequency range	20	Side 1	0.172	0.145	0.072	0.815	0.163
		Side 2	0.165	0.138	0.070		
		Side 3	0.160	0.135	0.067		
		Side 4	0.156	0.131	0.066		
		Top	0.135	0.114	0.059		



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### Electric Field Emissions

Operation frequency	Test Distance (cm)	Test Position	Probe Measure Result (V/m)			50 % Limit (V/m)	10 % Limit (V/m)
			unload	Half load	full load		
129.2 kHz which is the worst case within the operation frequency range	20	Side 1	0.041	0.162	0.213	307	61.4
		Side 2	0.034	0.158	0.207		
		Side 3	0.033	0.148	0.195		
		Side 4	0.052	0.141	0.185		
		Top	0.036	0.136	0.177		

Operation frequency	Test Distance (cm)	Test Position	Probe Measure Result(V/m)			50 % Limit (V/m)	10 % Limit (V/m)
			zero charge	intermediate charge	full charge		
134.3 kHz which is the worst case within the operation frequency range	20	Side 1	0.187	0.155	0.091	307	61.4
		Side 2	0.181	0.151	0.088		
		Side 3	0.171	0.142	0.084		
		Side 4	0.162	0.135	0.076		
		Top	0.155	0.130	0.072		



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## 6 Test Setup Photos

Refer to Appendix - Test Setup Photo for SZCR2401000014AT

- End of the Report -



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