

SZEMC-TRF-01 Rev. A/1

Report No.: SZCR240800307303

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Human Exposure Report

Application No.: SZCR2408003073AT **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: 3-1 desktop charging station BLK

Model No.:PWC8-1038-BLKFCC ID:2AHAS-PWC81038

Standards: 47 CFR PART 1, Subpart I, Section 1.1310

47 CFR PART 2, Subpart J, Section 2.1091

Date of Receipt: 2024-08-07

Date of Test: 2024-08-09 to 2024-08-30

Date of Issue: 2024-09-04

Test Result : Pass*

Keny Xu

Ceny. Ku



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^{*} In the configuration tested, the EUT complied with the standards specified above



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| | Revision Record | | | | | | | |
|---------|-------------------------------------|------------|--|----------|--|--|--|--|
| Version | Version Chapter Date Modifier Remai | | | | | | | |
| 01 | | 2024-09-04 | | Original | | | | |
| | | | | | | | | |
| | | | | | | | | |

| Authorized for issue by: | | | |
|--------------------------|-------------------------|---|--|
| | Ceorti | | |
| | Leo Li/Project Engineer | | |
| | Exic Fu | | |
| | Eric Fu/Reviewer | _ | |



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General Information 3

Details of E.U.T.

| Power supply: | Input: DC 5V/3A, 9V/3A | | | |
|--------------------------|--|--|--|--|
| | Output 1 - Phone: 5/7.5W/10W | | | |
| | Output 2 - TWS: 5W | | | |
| | Output 3 - Watch: 2.5W | | | |
| Cable(s): | Type-C cable: 100cm unshielded | | | |
| | Output 1 - Phone: 111.0kHz to 162.8kHz | | | |
| On a ration fragues as a | Output 2 - TWS: 127.79kHz to 130.11kHz | | | |
| Operation frequency: | Output 3 - Watch: 322.844kHz to 323.668kHz | | | |
| | & 1.62322MHz to 1.62584MHz | | | |
| 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.

3.2 Description of Support Units

| Description | Manufacturer | Model No. | Serial No. |
|--------------|--------------|-----------|-------------------|
| Adapter | XIAOMI | MDY-12-ES | REF. No.SEA05N03F |
| Earphone | Apple | A2566 | REF. No.SEA10D00 |
| Watch | Apple | Series 5 | REF. No.SEA32A00 |
| Watch | Apple | A2474 | REF. No.SEA32A01 |
| iPhone 8 | Apple | A1863 | REF. No.SEA16J00 |
| Mobile Phone | Nexus | MRA58K | REF. No.SEA16P00 |
| Mobile Phone | Redmi | 22XR03314 | REF. No.SEA16P01 |



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Test Location 3.3

All tests were performed at:

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

No. 1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, 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 (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.

CAB identifier: CN0006.

IC#: 4620C.



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3.5 Deviation from Standards

None.

3.6 Abnormalities from Standard Conditions

None.

Equipments Used during Test 4

| Item | Test Equipment | Manufacturer | Model No. | Inventory No. | Cal. Due date |
|------|---------------------|--------------|-----------|---------------|---------------|
| 1 | 3m Anechoic Chamber | AUDIX | N/A | SEM001-02 | 2025-04-01 |
| 2 | MAGPy-8H3D+E3D | SPEAG | 3061 | SEM060-31 | 2025/04/11 |
| 3 | MAGPy-DAS | SPEAG | 3063 | SEM060-32 | 2025/04/11 |

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(Output2: 5W). |
| Pre-scan | 04 | Operation(Wireless):Keep the EUT pairing with other devices(Output3: 2.5W). |



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| Pre-scan | 05 | Operation(Wireless):Keep the EUT pairing with other devices(Output1: 5W+Output2: 5W). |
|------------|----|--|
| Pre-scan | 06 | Operation(Wireless):Keep the EUT pairing with other devices(Output1: 7.5W+Output2: 5W). |
| Pre-scan | 07 | Operation(Wireless):Keep the EUT pairing with other devices(Output1: 10W+Output2: 5W). |
| Pre-scan | 08 | Operation(Wireless):Keep the EUT pairing with other devices(Output1: 5W+Output 3: 2.5W). |
| Pre-scan | 09 | Operation(Wireless):Keep the EUT pairing with other devices(Output1: 7.5W+Output3: 2.5W). |
| Pre-scan | 10 | Operation(Wireless):Keep the EUT pairing with other devices(Output1: 10W+Output 3: 2.5W). |
| Pre-scan | 11 | Operation(Wireless):Keep the EUT pairing with other devices(Output2: 5W+Output 3: 2.5W). |
| Pre-scan | 12 | Operation(Wireless):Keep the EUT pairing with other devices(Output1: 5W+Output2: 5W+Output 3: 2.5W). |
| Pre-scan | 13 | Operation(Wireless):Keep the EUT pairing with other devices(Output1: 7.5W+Output2: 5W+Output 3: 2.5W). |
| Final test | 14 | Operation(Wireless):Keep the EUT pairing with other devices(Output1: 10W+Output2: 5W+Output 3: 2.5W). |



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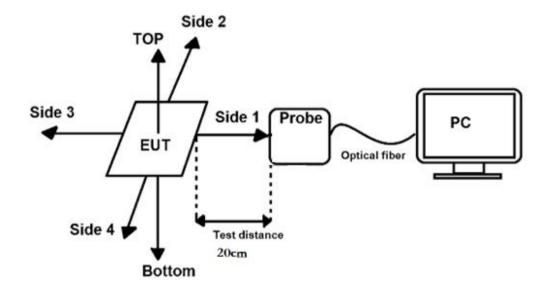
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Test Block Diagram 6





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Test Results

7.1 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) | | | Power density (mW/cm²) | Averaging time (minutes) | | |
|-------------------------|-----------------------|---------------------------|------------------------|--------------------------|--|--|
| | (A) Limits for Occ | cupational/Controlled Exp | oosures | | | |
| 0.3-3.0 614 1.63 *(100) | | | | | | |
| 3.0-30 | 1842/f | 4.89/f | *(900/f²) | 6 | | |
| 30-300 | 61.4 | 0.163 | 1.0 | 6 | | |
| 300-1500 | / | / | f/300 | 6 | | |
| 1500-100,000 | 1 | 1 | 5 | 6 | | |
| | (B) Limits for Genera | l Population/Uncontrolle | d Exposure | | | |
| 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/1500 | 30 | | |
| 1500-100,000 | / | / | 1.0 | 30 | | |

F=frequency in MHz

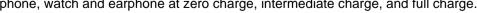
RF exposure compliance will need to be determined with respect to 1.1307(c) and (d) of the FCC rules. The emissions should be within the limits at 300kHz in Table 1 of 1.1310(use the 300kHz limits for 150kHz:614V/m,1.63A/m).

7.1.1 **E.U.T. Operation**

Operating Environment:

22.3 °C 52.9 % RH Atmospheric Pressure: 1020 mbar Temperature: Humidity: This device has been tested the worst status of full load and the device has been tested with mobile

phone, watch and earphone at zero charge, intermediate charge, and full charge.





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^{*=}Plane-wave equivalent power density



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7.1.2 Measurement Data

Mode 14:(A2474)

Magnetic Field Emissions

| Operation frequency | Test Distance (cm) | Test Position | Prob | e Measure Resi | 50 % Limit (A/m) | 10 % Limit (A/m) | |
|---------------------|--------------------|---------------|--------|----------------|------------------------|------------------------|-------|
| | | | unload | Half load | full load | | |
| 128.9 kHz | | Side 1 | 0.044 | 0.065 | 0.079 | | |
| which is | | Side 2 | 0.032 | 0.049 | 0.058 | | |
| the worst | | Side 3 | 0.035 | 0.045 | 0.054 | | |
| case within | 20 | Side 4 | 0.022 | 0.034 | 0.046 | 0.815 | 0.163 |
| the | 20 | Top(Output 1) | 0.069 | 0.082 | 0.098 | 0.013 | 0.103 |
| operation frequency | | Top(Output 2) | 0.038 | 0.042 | 0.057 | | |
| range | | Top(Output 3) | 0.026 | 0.036 | 0.049 | | |

| Operation | Test Distance | Probe Measure Result(A/m) | | | 50 % Limit | 10 % Limit | |
|--------------------|------------------|---------------------------|----------------|------------------------|----------------|---------------|-------|
| frequency | (cm) | Position | zero charge | intermediate charge | full charge | (A/m) | (A/m) |
| 128.9 kHz | | Side 1 | 0.083 | 0.063 | 0.041 | | |
| which is | | Side 2 | 0.069 | 0.055 | 0.023 | | |
| the worst | | Side 3 | 0.056 | 0.048 | 0.021 | | |
| case | 20 | Side 4 | 0.039 | 0.029 | 0.018 | 0.815 | 0.163 |
| within the | 20 | Top(Output 1) | 0.088 | 0.066 | 0.053 | 0.013 | 0.103 |
| operation | | Top(Output 2) | 0.057 | 0.047 | 0.024 | | |
| frequency range | | Top(Output 3) | 0.038 | 0.024 | 0.011 | | |



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Mode 14:(Series 5)

Flectric Field Emissions

| Operation frequency | Test Distance (cm) | Test Position | Pro | be Measure Re (V/m) | 50 % Limit (V/m) | 10 % Limit (V/m) | |
|---------------------|--------------------|------------------|--------|------------------------|------------------------|------------------------|------|
| | | | unload | Half load | full load | | |
| 128.3 kHz | | Side 1 | 0.041 | 0.061 | 0.089 | | |
| which is | | Side 2 | 0.035 | 0.053 | 0.83 | | |
| the worst | | Side 3 | 0.047 | 0.062 | 0.087 | | |
| case | 20 | Side 4 | 0.029 | 0.054 | 0.082 | 207 | 64.4 |
| within the | 20 | Top(Output 1) | 0.045 | 0.071 | 0.093 | 307 | 61.4 |
| operation frequency | | Top(Output 2) | 0.043 | 0.066 | 0.087 | | |
| range | | Top(Output 3) | 0.028 | 0.053 | 0.074 | | |

| Operation | Test Distance | Test Position | Probe Measure Result(V/m) | | | 50 % Limit | 10 % Limit |
|---------------------|------------------|------------------|---------------------------|------------------------|----------------|---------------|---------------|
| frequency | (cm) | | zero charge | intermediate charge | full charge | (V/m) | (V/m) |
| 128.3 kHz | 20 | Side 1 | 0.088 | 0.061 | 0.040 | 307 | 61.4 |
| which is | | Side 2 | 0.069 | 0.053 | 0.035 | | |
| the worst | | Side 3 | 0.075 | 0.064 | 0.032 | | |
| case | | Side 4 | 0.053 | 0.035 | 0.029 | | |
| within the | | Top(Output 1) | 0.091 | 0.066 | 0.054 | | |
| operation frequency | | Top(Output 2) | 0.073 | 0.058 | 0.033 | | |
| range | | Top(Output 3) | 0.054 | 0.035 | 0.020 | | |



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8 **Test Setup Photos**

Refer to Appendix - Test Setup Photo for SZCR2408003073AT

- End of the Report -



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