

Human Exposure Report

Application No.: SZCR2510004407AT
Applicant: JEM Accessories, INC.
Address of Applicant: 32 Brunswick Avenue, Edison, New Jersey, US
Manufacturer: Shenzhen Tilv Technology Co., Ltd.
Address of Manufacturer: 3/F Dongshan No.8 factory, Difu Rd., Gushu Community, Xixiang St., Baoan District, Shenzhen, China
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: 10-IN-1CHARGING SPHERE
Model No.: MWS8-1010-BLK
FCC ID: 2AHAS-MWS81010D
Standards: 47 CFR PART 1, Subpart I, Section 1.1310
 47 CFR PART 2, Subpart J, Section 2.1091
 KDB 680106 D01 Wireless Power Transfer v04
Date of Receipt: 2025-10-13
Date of Test: 2025-10-24 to 2025-12-03
Date of Issue: 2025-12-11

Test Result :	Pass*
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* In the configuration tested, the EUT complied with the standards specified above

Keny Xu

Keny Xu
EMC Laboratory Manager



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

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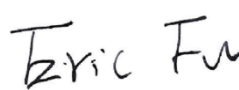
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SZEMC-TRF-01 Rev. A/2

Report No.: SZCR251000440703

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Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2025-12-11		Original

Authorized for issue by:				
				
		Ryan Yang/Project Engineer		
				
		Eric Fu/Reviewer		



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3 General Information

3.1 Details of E.U.T.

Power supply:	Input: AC 125V 60Hz Total output: 12A, 1320W Max Total outlet output:10A, 1100W Wireless output: Output 1 for Phone (5W/ 7.5W/ 10W/ 15W Max) Output 2 for Earbuds (3W Max) Output 3 for Smartwatch (2W Max) 20W Max Combined
Cable(s):	Power cable 150cm shielded
Modulation type:	Load modulation
Antenna type:	Loop Antenna
Operating frequency:	Output 1 (Phone): 110.80-138.60kHz (for Samsung Phone) & 357.00-369.20kHz (for iPhone) Output 2 (Earbuds): 110.80-145.60kHz Output 3 (Smartwatch): 126.76-129.48kHz & 324.80-327.40kHz
Duty Cycle:	100%

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.
Tungsten lamp	/	/	/
Type-C Cable	SGS	N/A	REF. No.SEA07B00
USB Cable	PHILIPS	SWR2101	REF. No.SEA07C00
Earphone	SENNHEISER	MX 375 EAST	REF. No.SEA10B01
Load Resistor	SGS	N/A	REF. No.SEA06A00
iphone 16pro	Apple	MYLU3CH/A	REF. No.SEA16Q03
Watch	Apple	Series 5	REF. No.SEA32A00
Watch	Apple	A2474	REF. No.SEA32A01

3.3 Test Location

All tests were performed at:

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No tests were sub-contracted.



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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.

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
1	3m Fully-Anechoic Chamber	AUDIX	N/A	SEM001-02	2026/05/09
2	MAGPy-8H3D+E3D	SPEAG	MAGPy	SEM060-31	2026/02/04
3	MAGPy-DAS	SPEAG	MAGPy	SEM060-32	2026/02/04



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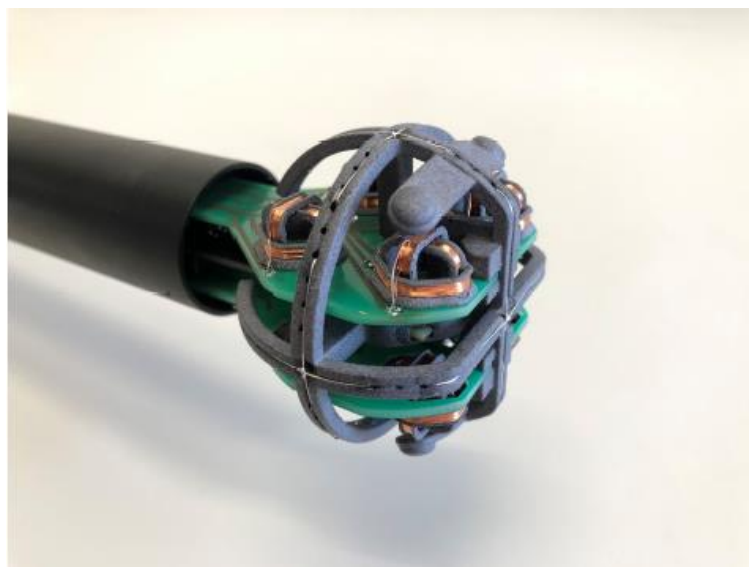
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Probe parameter:

Parameter	Specs
PROBE DESIGN	
Diameter	60 mm
8 isotropic <i>H</i> -field sensors	concentric loops of 1 cm ² arranged at the corner of a cube of 22 mm side length
1 isotropic <i>E</i> -field sensor	orthogonal dipole/monopole (arm length: 50 mm)
Measurement center	18.5 mm from the probe tip
Temperature range	0-40 °C
Dimensions	110 × 635 × 35 mm (MAGPy-8H3D+E3D V2 & MAGPy-DAS V2)
<i>H</i>-FIELD SPECIFICATION	
Frequency range	3 kHz-10 MHz
Measurement range	0.1-3200 A/m, 0.12 μT-4 mT
Gradient range	0-80 T/m/T
<i>E</i>-FIELD SPECIFICATION	
Frequency range	3 kHz-10 MHz
Measurement range	0.08-2000 V/m



5 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	Operation(Wireless):Keep the EUT pairing with Phone(Output1:5W).
Final test	01	Operation(Wireless):Keep the EUT pairing with Phone(Output1:7.5W).
Final test	02	Operation(Wireless):Keep the EUT pairing with Phone(Output1:10W).
Final test	03	Operation(Wireless):Keep the EUT pairing with Phone(Output1:15W).
Final test	04	Operation(Wireless):Keep the EUT pairing with Watch(Output2:3W).
Final test	05	Operation(Wireless):Keep the EUT pairing with Earphones(Output3:2W).



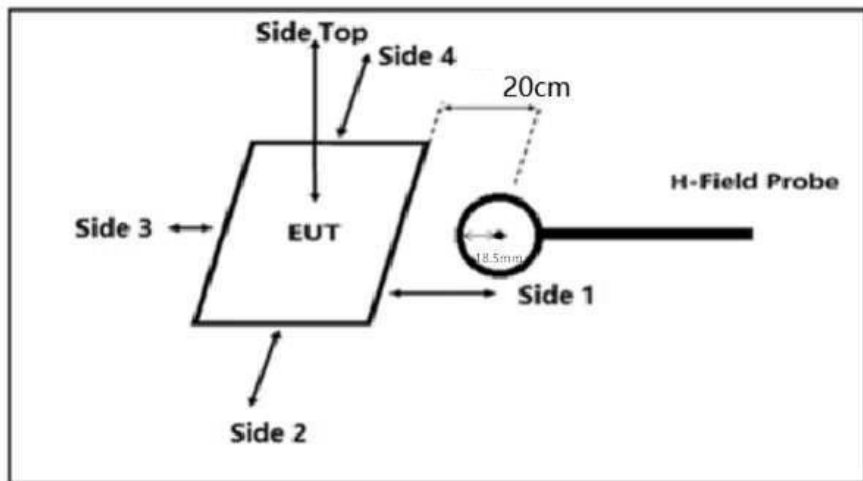
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6 Test Block Diagram



Remark:

- 1 The RF exposure test is performed in the anechoic chamber.
- 2 The test distance is 20cm from the center of the probe along all three axes of the device.

7 Test Results

7.1 RF Exposure test

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

Measurement Distance: 20cm

Limit:

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
(A) Limits for Occupational/Controlled Exposures				
0.3-3.0	614	1.63	*(100)	6
3.0-30	1842/f	4.89/f	*(900/f ²)	6
30-300	61.4	0.163	1.0	6
300-1500	/	/	f/300	6
1500-100,000	/	/	5	6
(B) Limits for General Population/Uncontrolled Exposure				
0.3-1.34	614	1.63	*(100)	30
1.34-30	824/f	2.19/f	*(180/f ²)	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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7.1.1 E.U.T. Operation

Operating Environment:

Temperature: 22.3 °C Humidity: 52.9 % RH Atmospheric Pressure: 1020 mbar

7.1.2 Measurement Data

Output 1 for Samsung Phone:

Electric Field Emissions

Operation Frequency (kHz)	Test Distance (cm)	Test Position	Probe Measure Result (V/m)	Limit (V/m)	Verdict
127.00	20	Side 1	0.280	614.000	Passed
127.00		Side 2	0.040	614.000	Passed
127.00		Side 3	0.035	614.000	Passed
127.00		Side 4	0.205	614.000	Passed
127.00		Top	0.273	614.000	Passed

Magnetic Field Emissions

Operation Frequency (kHz)	Test Distance (cm)	Test Position	Probe Measure Result (A/m)	Limit (A/m)	Verdict
127.00	20	Side 1	0.308	1.630	Passed
127.00		Side 2	0.060	1.630	Passed
127.00		Side 3	0.780	1.630	Passed
127.00		Side 4	0.178	1.630	Passed
127.00		Top	0.338	1.630	Passed



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Output 1 for iPhone:

Electric Field Emissions

Operation Frequency (kHz)	Test Distance (cm)	Test Position	Probe Measure Result (V/m)	Limit (V/m)	Verdict
360.00	20	Side 1	0.460	614.000	Passed
360.00		Side 2	0.005	614.000	Passed
360.00		Side 3	0.297	614.000	Passed
360.00		Side 4	0.437	614.000	Passed
360.00		Top	0.101	614.000	Passed

Magnetic Field Emissions

Operation Frequency (kHz)	Test Distance (cm)	Test Position	Probe Measure Result (A/m)	Limit (A/m)	Verdict
360.00	20	Side 1	0.008	1.630	Passed
360.00		Side 2	0.005	1.630	Passed
360.00		Side 3	0.015	1.630	Passed
360.00		Side 4	0.010	1.630	Passed
360.00		Top	0.018	1.630	Passed



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Output 2 for AirPods:

Electric Field Emissions

Operation Frequency (kHz)	Test Distance (cm)	Test Position	Probe Measure Result (V/m)	Limit (V/m)	Verdict
145.00	20	Side 1	0.150	614.000	Passed
145.00		Side 2	0.008	614.000	Passed
145.00		Side 3	0.230	614.000	Passed
145.00		Side 4	0.216	614.000	Passed
145.00		Top	0.204	614.000	Passed

Magnetic Field Emissions

Operation Frequency (kHz)	Test Distance (cm)	Test Position	Probe Measure Result (A/m)	Limit (A/m)	Verdict
145.00	20	Side 1	0.103	1.630	Passed
145.00		Side 2	0.023	1.630	Passed
145.00		Side 3	0.085	1.630	Passed
145.00		Side 4	0.083	1.630	Passed
145.00		Top	0.075	1.630	Passed



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Output 3 for Apple Watch1:

Electric Field Emissions

Operation Frequency (kHz)	Test Distance (cm)	Test Position	Probe Measure Result (V/m)	Limit (V/m)	Verdict
326.00	20	Side 1	0.190	614.000	Passed
326.00		Side 2	0.007	614.000	Passed
326.00		Side 3	0.174	614.000	Passed
326.00		Side 4	0.161	614.000	Passed
326.00		Top	0.595	614.000	Passed

Magnetic Field Emissions

Operation Frequency (kHz)	Test Distance (cm)	Test Position	Probe Measure Result (A/m)	Limit (A/m)	Verdict
326.00	20	Side 1	0.063	1.630	Passed
326.00		Side 2	0.030	1.630	Passed
326.00		Side 3	0.033	1.630	Passed
326.00		Side 4	0.028	1.630	Passed
326.00		Top	0.055	1.630	Passed



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Output 3 for Apple Watch2:

Electric Field Emissions

Operation Frequency (kHz)	Test Distance (cm)	Test Position	Probe Measure Result (V/m)	Limit (V/m)	Verdict
128.00	20	Side 1	0.040	614.000	Passed
128.00		Side 2	1.000	614.000	Passed
128.00		Side 3	3.570	614.000	Passed
128.00		Side 4	0.120	614.000	Passed
128.00		Top	0.900	614.000	Passed

Magnetic Field Emissions

Operation Frequency (kHz)	Test Distance (cm)	Test Position	Probe Measure Result (A/m)	Limit (A/m)	Verdict
128.00	20	Side 1	0.060	1.630	Passed
128.00		Side 2	0.120	1.630	Passed
128.00		Side 3	1.160	1.630	Passed
128.00		Side 4	0.070	1.630	Passed
128.00		Top	0.140	1.630	Passed

- End of the Report -



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