

Report No.: SZCR210602151503

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Human Exposure Report

Application No.: SZCR2106021515AT

Applicant: Hamedata Technology Co., Limited

Address of Applicant: 1st Zone, 3F, Plant#1, Huahan Industrial Park, No.16, Jinniu West Rd.,

Pingshan New District, Shenzhen, 518118 China

Manufacturer: Hamedata Technology Co., Limited

Address of Manufacturer: 3F, Building 1, Huahan Industrial Park, No 16, Jinniu West Rd., Pingshan

New District., Shenzhen

1. Hamedata Technology Co., Limited Factory:

2. Hunan Hametech Technology co., Limited

1. 3F, Building 1, Huahan Industrial Park, No 16, Jinniu West Rd., Pingshan Address of Factory:

New District., Shenzhen

2. 1~5 Building, Innovation Science Park, High Tech, Industrial Development

District, Wuxi Town, Luxi County, Hunan Province, P.R.China

Equipment Under Test (EUT):

EUT Name: Power Bank

Model No.: P189W10, HG08292A-US, HG08292B-US

Please refer to section 3.1 of this report which indicates which model was

actually tested and which were electrically identical.

Trade Mark: **HAME**

FCC ID: 2ADOW-P189W10

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

47 CFR PART 2, Subpart J, Section 2.1091

Date of Receipt: 2021-06-11

Date of Test: 2021-06-16 to 2021-07-05

Date of Issue: 2021-07-06

Test Result: Pass*

Keny Xu **EMC Laboratory Manager**

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 Chapter Date Modifier R						
01		2021-07-06		Original		

Authorized for issue by:		
	Charle Doi	
	Charlie Dai/Project Engineer	
	Exic Fu	
	Eric Fu/Reviewer	



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3 General Information

3.1 Details of E.U.T.

	Lithium-ion rechargeable battery (DC 3.7V 10000mAh) which can be charged			
	from Type-C port.			
Dower Cumply	Type-C Input: 5V/3A, 9V/2A, 12V/1.5A			
Power Supply:	Type-C Output: 5V/3A, 9V/2A, 12V/1.5A			
	USB-A Output: 5V/3A, 9V/2A, 12V/1.5A			
	Wireless charger output: 10W Max.			
Cable(s):	USB Cable 15cm Unshielded			
Operation frequency:	136.60kHz to 147.60kHz			
Modulation type:	Load modulation			
Antenna type:	Loop Antenna			
	This device has been tested the worst status of full load and the device has			
Remark:	been tested with load at 5W, 7.5W and 10W, the worst case 10W is reported			
	only.			

Declaration of EUT Family Grouping:

Model No.: P189W10, HG08292A-US, HG08292B-US

Only the model P189W10 was tested. According to the declaration from the applicant, the electrical circuit design, layout, components used, internal wiring and functions were identical for the above models, with only difference on trade mark and model No.

3.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
Load Resistor	SGS	N/A	REF. No.SEA06A00
Mobile Phone	SAMSUNG	SM-G9500	REF. No.SEA16J00



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3.3 Test Location

All tests were performed at:

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

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
1	Electric and Magnetic Field Analyzer	Narda	EHP-50F	EMC092	2021-11-26



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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: 15cm

Limit:

Frequency range (MHz) Electric field strength (V/m)		Magnetic field strength (A/m)	Power density (mW/cm²)	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/f²)	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/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

*=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).

5.1.1 E.U.T. Operation

Operating Environment:

Temperature: 22.3 °C Humidity: 52.9 % RH Atmospheric Pressure: 1015 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.



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5.1.2 Measurement Data

Output Voltage=DC 5V; The max output power =10W; Calculation of resistor value=2.5Ω **Magnetic Field Emissions**

Operation frequency	•		Probe Measure Result (A/m)	50% Limit (A/m)
137 kHz		Side 1	0.0745	0.815
		Side 2	0.0689	0.815
	15	Side 3	0.0721	0.815
		Side 4	0.0693	0.815
		Тор	0.0546	0.815

Mobile phone has been charge at zero charge, intermediate charge, and full charge.

Magnetic Field Emissions

Operation	Test Test		Probe Measure Result(A/m)			50%Limit
frequency	Distance (cm)	Position	zero charge	intermediate charge	full charge	(A/m)
	15	Side 1	0.0805	0.0693	0.0586	0.815
		Side 2	0.0765	0.0624	0.0560	0.815
137 kHz		Side 3	0.0764	0.0646	0.0594	0.815
		Side 4	0.0748	0.0631	0.0533	0.815
		Тор	0.0568	0.0481	0.0434	0.815



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6 Photographs- RF exposure setup

Refer to RF Exposure Setup Photos.

- End of the Report -



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