

# RF EXPOSURE EVALUATION REPORT

**Application No.:** GZCR2504000624AT  
**Applicant:** Shenzhen LOHEE Technology Co., Ltd  
**Address of Applicant:** B3 Zhongnan High Tech Zhihui Valley Banfu Town, Zhongshan City, China  
**Manufacturer:** Shenzhen LOHEE Technology Co., Ltd  
**Address of Manufacturer:** B3 Zhongnan High Tech Zhihui Valley Banfu Town, Zhongshan City, China  
**Factory:** Shenzhen LOHEE Technology Co., Ltd  
**Address of Factory:** B3 Zhongnan High Tech Zhihui Valley Banfu Town, Zhongshan City, China  
**Product Name:** Wireless Charger  
**Model No.:** W-35, W-35A, W-36, W-37, W-26, W-34, W-34A, W-38, W-38A, W-39, W-39A, W-40, W-40A, W-41, W-42, W-43, W-45, W-46 ♣  
 ♣ Please refer to section 2 of this report which indicates which item was actually tested and which were electrically identical.  
**Trade Mark:** LOHEE  
**Standard(s) :** 47 CFR Part 1.1310  
 KDB 680106 D01 v04  
**Date of Receipt:** 2025-04-27  
**Date of Evaluation:** 2025-05-14  
**Date of Issue:** 2025-06-06

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

*Ricky Liu*

Ricky Liu  
Manager



SGS-CSTC Standards Technical Services Co., Ltd.  
Guangzhou Branch Testing Center EEC Laboratory


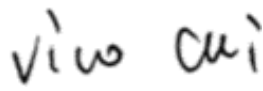
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Revision Record			
Version	Report No.	Date	Remark
01	GZCR250400062402	2025-06-06	Original

Authorized for issue by:				
				
		Allen Zhou/Project Engineer		
				
		Vico Cui/Reviewer		



## 2 Evaluation Summary

Radio Spectrum Matter Part				
Item	Standard	Method	Requirement	Result
Magnetic field strength	KDB 680106 D01 v04	KDB 680106 D01 v04	47 CFR Part 1.1310 & KDB 680106 D01	Pass

**Note:**

E.U.T./EUT means Equipment Under Test.

Pass means the test result passed the test standard requirement, please find the detailed decision rule in the report relative section.

**✿ Declaration of EUT Family Grouping:**

Model No.: W-35, W-35A, W-36, W-37, W-26, W-34, W-34A, W-38, W-38A, W-39, W-39A, W-40, W-40A, W-41, W-42, W-43, W-45, W-46

According to the declaration from the applicant, the electrical circuit design, layout, components used and internal wiring were identical for all models, with only difference on model name.

Therefore only one model W-35 was tested in this report.



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## 4 General Information

### 4.1 Details of E.U.T.

Power supply: Input: QC 5.0V/2A;9.0V/2A  
Output: 5W; 7.5W; 10W; 15W (Max)

Cable(s): DC charge input cable:0.3m unshielded

Test Voltage: AC 120 V, 60 Hz

Operation frequency: 128kHz and 360KHz

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.

### 4.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
Mobile Phone	SAMSUNG	SM-G9810	RFCN309Q9QF
Mobile Phone	Apple	iPhone 15	/
AC/DC Adapter	HUAWEI	Model: HW-110600C02; Input: AC 100-240V,1.8A Max.50/60Hz; Output: DC 5V/2A, 10V/4A, 11V/6A Max.	JL28L4NBM03275

### 4.3 Measurement Uncertainty

Test Item	Measurement Uncertainty
Magnetic field strength	MF:U=0.13dB,EF:U=0.4dB
<p>Remark:</p> <p>The <math>U_{lab}</math> (lab Uncertainty) is less than <math>U_{cispr}</math> (CISPR Uncertainty), so the test results</p> <ul style="list-style-type: none"> <li>– compliance is deemed to occur if no measured disturbance level exceeds the disturbance limit;</li> <li>– non-compliance is deemed to occur if any measured disturbance level exceeds the disturbance limit.</li> </ul>	

### 4.4 Evaluating Location

All tests were performed at:

SGS-CSTC Standards Technical Services Co., Ltd., Guangzhou Branch EMC Laboratory,  
No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou,  
Guangdong, China 510663

Tel: +86 20 82155555

No tests were sub-contracted.



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## 4.5 Facility

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

- **ACMA**

SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory can also perform testing for the Australian/New Zealand Regulatory Compliance Mark (RCM).

- **SGS UK(Certificate No.: 32), SGS-TUV SAARLAND and SGS-FIMKO**

Have approved SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory as a supplier of EMC TESTING SERVICES and SAFETY TESTING SERVICES.

- **FCC Recognized Accredited Test Firm(Registration No.: 486818)**

SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory has been accredited and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Designation Number: CN5016, Test Firm Registration Number: 486818.

- **ISED (Registration No.: 4620B, CAB identifier: CN0052)**

SGS-CSTC Standards Technical Services Co., Ltd., has been registered by Innovation Science and Economic Development Canada for Wireless Device Testing laboratories to test to Canadian radio equipment requirements. Registration No. 4620B, CAB identifier: CN0052.

- **VCCI (Registration No.: R-12460, C-12584, G-20107 and T-11179)**

The 10m Semi-anechoic chamber, 966 Anechoic Chamber and Shielded Room of SGS-CSTC Standards Technical Services Co., Ltd. have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: R-12460, C-12584, G-20107 and T-11179 respectively.

- **CBTL (Lab Code: TL129)**

SGS-CSTC Standards Technical Services Co., Ltd., E&E Laboratory has been assessed and fully comply with the requirements of ISO/IEC 17025:2017, the Basic Rules, IECEE 01 and Rules of procedure IECEE 02, and the relevant IECEE CB-Scheme Operational documents.

## 4.6 Deviation from Standards

None

## 4.7 Abnormalities from Standard Conditions

None



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## 5 Equipment List

Magnetic field strength					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
743 Compact 3m Semi-Anechoic Chamber	ChangZhou ZhongYu	N/A	EMC0525	2022-10-16	2025-10-15
Electric and Magnetic Field Probe-Analyzer(9kHz-30MHz)	Narda	EHP-200A	SEM022-18	2024-12-27	2025-12-26

General used equipment					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
DMM	Fluke	73	EMC0006	2024-06-13	2025-06-12



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## 6 Radio Spectrum Matter Test Results

### 6.1 Magnetic field strength

Test Requirement 47 CFR Part 1.1310 &amp; KDB 680106 D01 v04

Test Method: KDB 680106 D01 v04

Limit:

According to FCC Part1.1310: The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation as specified in Part1.1307(b)

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

Accordingly, for § 2.1091-Mobile devices, the MPE limits between 100 kHz to 300 kHz are to be considered the same as those at 300 kHz in Table 1 of § 1.1310, that is, 614 V/m and 1.63 A/m, for the electric field and magnetic field, respectively. For § 2.1093-Portable devices below 4 MHz and down to 100 kHz, the MPE limits in § 1.1310 (with the 300 kHz limit applicable all the way down to 100 kHz) can be used for the purpose of equipment authorization in lieu of SAR evaluations.

#### 6.1.1 E.U.T. Operation

Operating Environment:

Temperature: 25.9 °C

Humidity: 61.5 % RH

Atmospheric Pressure: 1007 mbar



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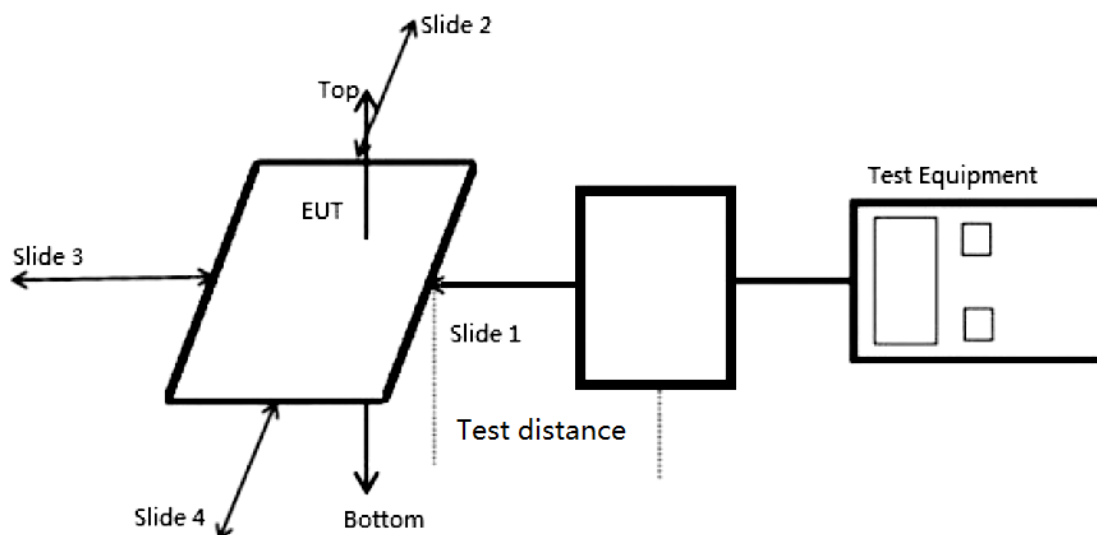
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### 6.1.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	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.
<b>Remark:</b>		Changing will take place when the charger is in contact with a phone only, no space is reserved/ designed for air because the structure of the EUT will automatically fix the device being charged closely.

### 6.1.3 Test Setup Diagram



### 6.1.4 Measurement Procedure and Data

**Output Voltage= DC 5 V; The max output power = 15 W; Calculation of resistor value=2.5 Ω**

### Electric Field Emissions

Operation frequency	Test Distance (cm)*	Test Position	Probe Measure Result(V/m)			Limit (V/m)
			unload	Half load	full load	
128.0kHz which is the worst case within the operation frequency range	20	Side 1	0.82	0.85	0.92	<=614
		Side 2	0.91	0.92	0.98	
		Side 3	0.83	0.67	0.93	
		Side 4	0.86	0.91	0.99	
		Top	1.58	1.65	2.05	
		Bottom	0.21	0.32	0.35	

### Magnetic Field Emissions

Operation frequency	Test Distance (cm)*	Test Position	Probe Measure Result(A/m)			Limit (A/m)
			unload	Half load	full load	
128.0kHz which is the worst case within the operation frequency range	20	Side 1	0.042	0.015	0.043	<=1.63
		Side 2	0.035	0.023	0.035	
		Side 3	0.032	0.017	0.036	
		Side 4	0.026	0.021	0.023	
		Top	0.078	0.073	0.080	
		Bottom	0.029	0.032	0.031	

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

### Electric Field Emissions

Operation frequency	Test Distance (cm)*	Test Position	Probe Measure Result(V/m)			Limit (V/m)
			zero charge	intermediate charge	full charge	
128.0kHz which is the worst case within the operation frequency range	20	Side 1	0.75	0.79	0.89	<=614
		Side 2	0.83	0.91	0.83	
		Side 3	0.72	0.75	0.71	
		Side 4	0.79	0.89	0.84	
		Top	1.53	1.43	1.98	
		Bottom	0.35	0.58	0.43	



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### Magnetic Field Emissions

Operation frequency	Test Distance (cm)*	Test Position	Probe Measure Result(A/m)			Limit (A/m)
			zero charge	intermediate charge	full charge	
128.0kHz which is the worst case within the operation frequency range	20	Side 1	0.031	0.017	0.039	<=1.63
		Side 2	0.029	0.024	0.042	
		Side 3	0.027	0.015	0.031	
		Side 4	0.031	0.019	0.027	
		Top	0.024	0.064	0.073	
		Bottom	0.021	0.029	0.035	

\*Remark: The test distance 20 cm was the worst case of all the distance declared in user manual by applicant.



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## 7 EUT Constructional Details (EUT Photos)

Refer to External and Internal Photos for GZCR250400062402.

- End of the Report -

