

TEST REPORT

Application No.: GZCR2601000250AT
Applicant: Guangdong Stellar Craft Technology Co., LTD
Address of Applicant: Renqian Road 19, Wushi, Sanxiang, Zhongshan, Guangdong, China
Manufacturer: Guangdong Stellar Craft Technology Co., LTD
Address of Manufacturer: Renqian Road 19, Wushi, Sanxiang, Zhongshan, Guangdong, China
Factory: Guangdong Stellar Craft Technology Co., LTD
Address of Factory: Renqian Road 19, Wushi, Sanxiang, Zhongshan, Guangdong, China
Product Name: 3 IN 1 WIRELESS CHARGER
Model No.: W167, W166 ♣
 ♣ Please refer to section 2 of this report which indicates which item was actually tested and which were electrically identical.
Standard(s) : 47 CFR Part 1.1310
 KDB 680106 D01 v04
Date of Receipt: 2026-01-28
Date of Test: 2026-03-05
Date of Issue: 2026-03-26

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



Revision Record			
Version	Report No.	Date	Remark
01	GZCR260100025002	2026-03-26	Original

Authorized for issue by:			
		Key Liang	
		Key Liang/Project Engineer	
Approved By		Vico Cui	
		Vico Cui/Reviewer	



2 Test Summary

Radio Spectrum Matter Part				
Item	Standard	Method	Requirement	Result
Field strength	KDB 680106 D01 v04	KDB 680106 Section 3	47 CFR Part 1.1310	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.: W167, W166

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 **W167** was tested in this report.



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4 General Information

4.1 Details of E.U.T.

Power supply: Input: DC 5V 3A, DC 9V 3A, DC 12V 3A, DC 15V 3A;
Test Voltage: AC 120V 60 Hz powered by AC/DC adapter
Cable(s): Type C port.
Operation frequency: 113.5kHz to 146.772kHz
Modulation type: Load modulation
Antenna type: Loop Antenna
3
Antenna Number: Antenna 1: 5W/7.5W/10W/15W/25W for mobile phone (Front coil)
Antenna 2: 5W for earphone (Top coil)
Antenna 3: 5W for watch (Bottom coil)

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.
AC/DC Adapter	(SAMSUNG) Dong Yang E&P Vietnam Co.,Ltd.	Model: EP-TA800; Input: AC 100-240V, 50-60Hz, 0.7A; Output:(PDO)DC 5V 3A, DC 9V 2.77A;(PPS)DC 3.3-5.9V 3A, DC 3.3-11.0V 2.25A.	/
Mobile Phone	SAMSUNG	SM-G9508	R28K110W9JV
Mobile Phone	SAMSUNG	SM-G9810	RFCN309Q9QF
Mobile Phone	APPLE	iPhone 12 mini	F71DP3NG0GQY
Apple Watch	APPLE	Series 1	/
AirPods	APPLE	AirPods 2	/

4.3 Measurement Uncertainty

Test Item	Measurement Uncertainty
Field strength	H _{tot} : U=2.65dB, E _{tot} : U=1.89dB
Remark: The U_{lab} (lab Uncertainty) is less than U_{CISPR} (CISPR Uncertainty) or U_{ETSI} (ETSI Uncertainty). Emission decision rule: – Compliance is deemed to occur if no measured disturbance level exceeds the disturbance limit, marked as Pass in the report. – Non-compliance is deemed to occur if any measured disturbance level exceeds the disturbance limit, marked as Fail in the report.	



4.4 Test 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.

4.5 Test Facility

The test 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	2025-10-16	2028-10-14
MAGPy-8H3D+E3D	SPEAG	MAGPy	SEMC060-31	2026-03-16	2027-03-15
MAGPy-DAS	SPEAG	MAGPy	SEMC060-32	2026-03-16	2027-03-15

General used equipment					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
DMM	Fluke	73	EMC0006	2025-06-03	2026-06-02



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6 Radio Spectrum Matter Test Results

6.1 Magnetic field strength

Test Requirement 47 CFR PART 2, Subpart J, Section 2.1093

Test Method: KDB 680106 Section 3

Test Engineer: Banna Ban

Limit:

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
(i) Limits for Occupational/Controlled Exposure				
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
300-1,500	/	/	f/300	<6
1,500-100,000	/	/	5	<6
(ii) 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
300-1,500	/	/	f/1500	<30
1,500-100,000	/	/	1.0	<30

f = frequency in MHz.

* = Plane-wave equivalent power density.

The emissions should be within the limits at 300kHz in Table 1 Of 1.1310 (use the 300kHz limits for the lower frequencies)



6.1.1 E.U.T. Operation

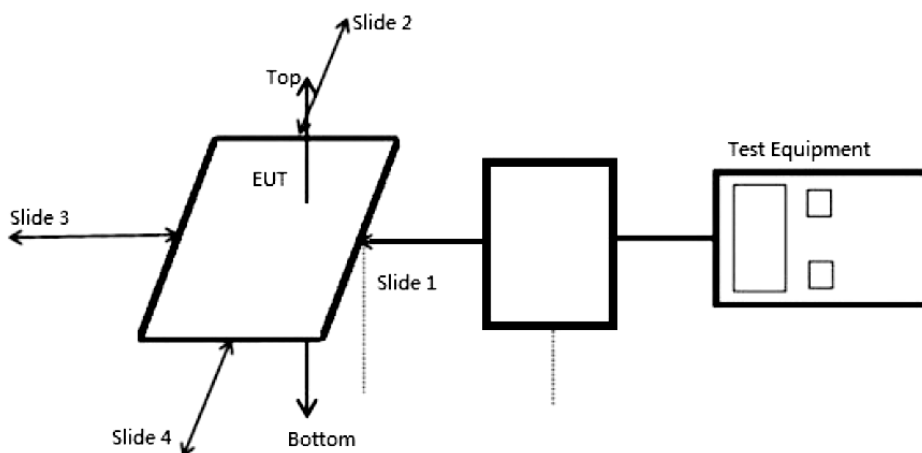
Operating Environment:

Temperature: 22.9 °C Humidity: 65.3 % RH Atmospheric Pressure: 1007 mbar

6.1.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	07	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.
Final test	08	This device has been tested the worst status of full load and the device has been tested with earphone at zero charge, intermediate charge, and full charge.
Final test	09	This device has been tested the worst status of full load and the device has been tested with watch at zero charge, intermediate charge, and full charge.

6.1.3 Test Setup Diagram



6.1.4 Measurement Procedure and Data

For front coil only since top coil and bottom coil cannot be enabled by resistor:

Output Voltage= DC 12 V; The max output power = 25 W; Calculation of resistor value=5.76 Ω

Electric Field Emissions

Operation frequency	Test Distance (cm)*	Test Position	Probe Measure Result(V/m)			Limit (V/m)
			unload	Half load	full load	
117 kHz which is the worst case within the operation frequency range	20	Side 1	0.72	0.90	1.12	<=614
		Side 2	0.64	0.81	1.14	
		Side 3	0.51	0.50	0.95	
		Side 4	0.32	0.40	0.98	
		Top	0.44	1.16	1.14	
		Bottom	0.17	0.42	0.64	

Magnetic Field Emissions

Operation frequency	Test Distance (cm)*	Test Position	Probe Measure Result(A/m)			Limit (A/m)
			unload	Half load	full load	
117 kHz which is the worst case within the operation frequency range	20	Side 1	0.36	0.51	0.97	<=1.63
		Side 2	0.59	0.59	0.82	
		Side 3	0.07	0.49	0.75	
		Side 4	0.35	0.37	0.79	
		Top	0.21	0.71	1.15	
		Bottom	0.01	0.17	0.51	



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For front coil with Mobile phone has been charged at zero charge, intermediate charge, and full charge, top coil with watch has been charged at zero charge, intermediate charge, and full charge and bottom coil with earphone has been charged at zero charge, intermediate charge, and full charge simultaneously.

Electric Field Emissions

Operation frequency	Test Distance (cm)*	Test Position	Probe Measure Result(V/m)			Limit (V/m)
			zero charge	intermediate charge	full charge	
117 kHz which is the worst case within the operation frequency range	20	Side 1	0.70	0.91	1.13	<=614
		Side 2	0.61	0.80	1.15	
		Side 3	0.50	0.47	0.96	
		Side 4	0.35	0.38	0.97	
		Top	0.46	1.13	1.14	
		Bottom	0.13	0.41	0.67	

Magnetic Field Emissions

Operation frequency	Test Distance (cm)*	Test Position	Probe Measure Result(A/m)			Limit (A/m)
			zero charge	intermediate charge	full charge	
117 kHz which is the worst case within the operation frequency range	20	Side 1	0.35	0.50	0.91	<=1.63
		Side 2	0.57	0.57	0.83	
		Side 3	0.06	0.46	0.73	
		Side 4	0.34	0.35	0.77	
		Top	0.24	0.75	1.14	
		Bottom	0.03	0.14	0.50	

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



7 Test Setup Photo

Refer to Appendix - Test Setup Photo for GZCR260100025002



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8 EUT Constructional Details (EUT Photos)

Refer to External and Internal Photos for GZCR2601000250AT

- End of the Report -

