

TEST REPORT

Application No.: GZCR2212001651HS
Applicant: ZHANGZHOU EASEPAL INNOVATION CO., LTD
Address of Applicant: No.36 Longkun Road, Hongjian Village, Jiaomei Town, Zhangzhou Taiwanese Investment Zone, Fujian
Manufacturer: ZHANGZHOU EASEPAL INNOVATION CO., LTD
Address of Manufacturer: No.36 Longkun Road, Hongjian Village, Jiaomei Town, Zhangzhou Taiwanese Investment Zone, Fujian
Factory: ZHANGZHOU EASEPAL INNOVATION CO., LTD
Address of Factory: No.36 Longkun Road, Hongjian Village, Jiaomei Town, Zhangzhou Taiwanese Investment Zone, Fujian
Equipment Under Test (EUT):
EUT Name: Rechargeable Nightstand
Model No.: N20025AA00-US, N20025AA01-US, N20025AA02-US, N20025AA03-US, N20025AA04-US
 Please refer to section 2 of this report which indicates which model was actually tested and which were electrically identical.
Standard(s) : 47 CFR Part 1.1310
 KDB 680106 D01
Date of Receipt: 2022-12-19
Date of Test: 2023-01-06 to 2023-01-06
Date of Issue: 2023-02-17

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

Ricky Liu

Ricky Liu
Manager

Revision Record			
Version	Report No.	Date	Remark
01	GZCR221200165103	2023-02-17	Original

Authorized for issue by:			
		Kevin Zhang	
		Kevin Zhang/Project Engineer	
		Vico Cui	
		Vico Cui/Reviewer	

2 Test Summary

Radio Spectrum Matter Part				
Item	Standard	Method	Requirement	Result
Magnetic field strength	47 CFR Part 1.1310	KDB 680106 D01	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.: N20025AA00-US, N20025AA01-US, N20025AA02-US, N20025AA03-US, N20025AA04-US

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 the model name, appearance and color.

Therefore only one model **N20025AA00-US** was tested in this report.



3 Contents

	Page
1 Cover Page	1
2 Test Summary	3
3 Contents.....	4
4 General Information	5
4.1 Details of E.U.T.	5
4.2 Description of Support Units.....	5
4.3 Measurement Uncertainty	5
4.4 Test Location	5
4.5 Test Facility	6
4.6 Deviation from Standards.....	6
4.7 Abnormalities from Standard Conditions	6
5 Equipment List	7
6 Radio Spectrum Matter Test Results	8
6.1 Magnetic field strength	8
6.1.1 E.U.T. Operation	9
6.1.2 Test Mode Description	9
6.1.3 Test Setup Diagram	9
6.1.4 Measurement Procedure and Data	10
7 Test Setup Photo.....	11
8 EUT Constructional Details (EUT Photos).....	12



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4 General Information

4.1 Details of E.U.T.

Power supply: DC 12 V powered by AC/DC adapter as below:
Model: XZ1200-2000SU
Input: AC 100-240 V, 50/60 Hz, 0.8 A
Output: DC 12 V, 2000 mA, 24.0W

Cable(s): DC input ports
USB output ports*2

Test Voltage: AC 120 V, 60 Hz

Operation frequency: 126.800-185.269kHz

Modulation type: Load modulation

Antenna type: Loop Antenna

4.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
Mobile Phone	SAMSUNG	SM-G9508	R28K110W9JV

4.3 Measurement Uncertainty

Test Item	Measurement Uncertainty
Magnetic field strength	MF:U=0.13dB,EF:U=0.4dB

4.4 Test Location

All tests were performed at:
SGS-CSTC Standards Technical Services Co., Ltd., Guangzhou Branch EMC Laboratory,
198 Kezhu Road, Sciencetech Park, Guangzhou Economic & Technology Development District,
Guangzhou, China 510663
Tel: +86 20 82155555 Fax: +86 20 82075059
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	2022-10-16	2025-10-15
Electric and Magnetic Field Probe-Analyzer(1Hz-400kHz)	Narda	EHP-50F	EMC2143	2021-12-27	2023-12-26
Electric and Magnetic Field Probe-Analyzer(9kHz-30MHz)	Narda	EHP-200A	SEM022-18	2022-05-25	2023-05-24

General used equipment					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
DMM	Fluke	73	EMC0006	2022-06-24	2023-06-23



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6 Radio Spectrum Matter Test Results

6.1 Magnetic field strength

Test Requirement 47 CFR Part 1.1310 & KDB 680106 D01

Test Method: KDB 680106 D01

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).

6.1.1 E.U.T. Operation

Operating Environment:

Temperature: 23.8 °C

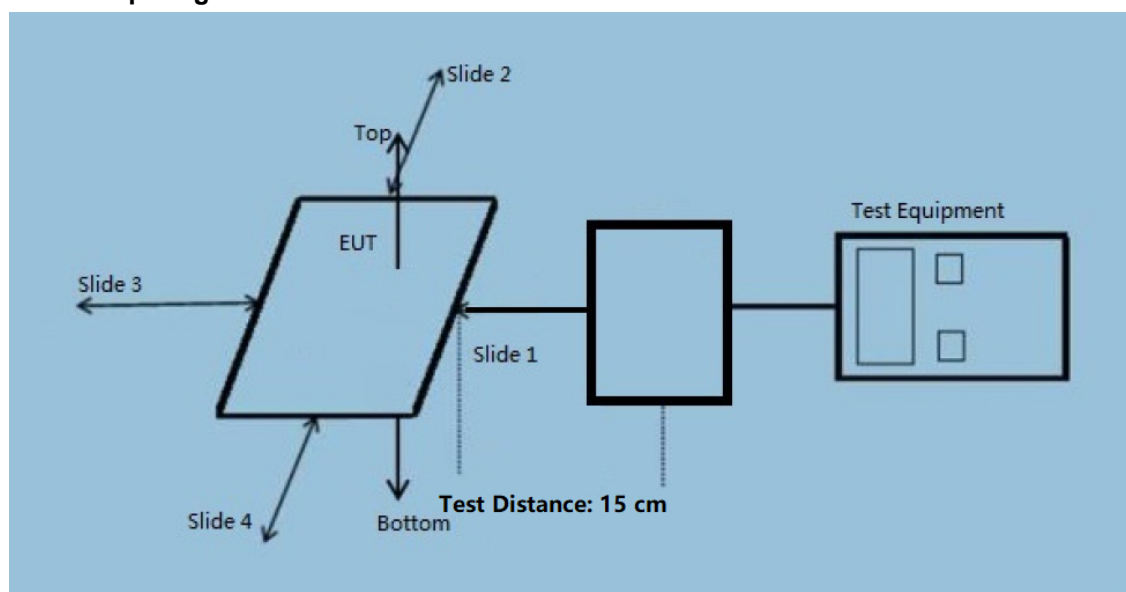
Humidity: 53.3 % RH

Atmospheric Pressure: 1023 mbar

6.1.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Pre-scan	00	Charge mode_Keep the EUT charging(5W)
Pre-scan	01	Charge mode_Keep the EUT charging(7.5W)
Final test	02	Charge mode_Keep the EUT charging(10W)

6.1.3 Test Setup Diagram



6.1.4 Measurement Procedure and Data

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)			50 % Limit (V/m)
			zero charge	intermediate charge	full charge	
150.37kHz which is the worst case within the operation frequency range	15	Side 1	6.623	7.659	6.061	<=307
		Side 2	6.886	7.698	6.666	
		Side 3	6.833	7.669	6.406	
		Side 4	6.120	7.461	6.738	
		Top	7.319	7.510	6.138	

Magnetic Field Emissions

Operation frequency	Test Distance (cm)*	Test Position	Probe Measure Result(A/m)			50 % Limit (A/m)
			zero charge	intermediate charge	full charge	
150.37kHz which is the worst case within the operation frequency range	15	Side 1	0.501	0.651	0.466	<=0.815
		Side 2	0.561	0.656	0.477	
		Side 3	0.545	0.619	0.439	
		Side 4	0.534	0.634	0.487	
		Top	0.472	0.507	0.317	

*Remark: The test distance 15 cm was required by clause 3 c) of 680106 D01 v03r01.

7 Test Setup Photo

Refer to Appendix - Test Setup Photo for GZCR221200165103



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8 EUT Constructional Details (EUT Photos)

Refer to External and Internal Photos for GZCR2212001651HS

- End of the Report -