

TEST REPORT

Application No.: GZCR2510001596HS
Applicant: Berner Int. AG
Address of Applicant: Austrasse 15, 9495 Triesen, Principality of Liechtenstein
Manufacturer: Berner Int. AG
Address of Manufacturer: Austrasse 15, 9495 Triesen, Principality of Liechtenstein
Factory: Flink production GmbH
Address of Factory: No. 11, Alley 24, Lane 198, Xiao-dong Road, 70154 Tainan City, Taiwan, China
Product Name: LIVATY
Model No.: Lume
Standard(s) : 47 CFR Part 1.1310
KDB 680106 D01 Wireless Power Transfer v04
Date of Receipt: 2025-10-17
Date of Test: 2025-11-26
Date of Issue: 2026-05-08

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	GZCR251000159602	2026-05-08	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	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.



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4 General Information

4.1 Details of E.U.T.

Power supply: Battery operation: DC 3.7V 1500mAh for internal rechargeable battery as below:
Model: 803450
Rated: DC 3.7 V, 1500mAh, 5.55Wh
Charged by wireless charger MH-D043(FCC ID: 2BSBS-MH-D43) which was powered by AC/DC adapter, details refer to section 4.2 of test report.

Test voltage: AC 120V, 60 Hz

Cable(s): 1.2m unscreened USB C charging cable.

Operation frequency: 146 kHz to 205.974 kHz

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.
AC/DC adapter provided by applicant.	--	Model: PD20W-C-GAN Input: AC 100-240V 50/60Hz 0.6A Output: DC 5.0V 3A, DC 9.0V 2.22A, DC 12.0V 1.67A,	--

4.3 Measurement Uncertainty

Test Item	Measurement Uncertainty
Field strength	MF:U=0.13dB,EF:U=0.4dB
Remark: The U_{lab} (lab Uncertainty) is less than U_{cisp} (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	2025-08-13	2028-08-12
MAGPy-8H3D+E3D	SPEAG	MAGPy	SEMC060-31	2025-02-05	2026-02-24
MAGPy-DAS	SPEAG	MAGPy	SEMC060-32	2025-02-05	2026-02-24

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



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

Test Engineer: Lily Kuang

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: 19.7 °C

Humidity: 64.5 % RH

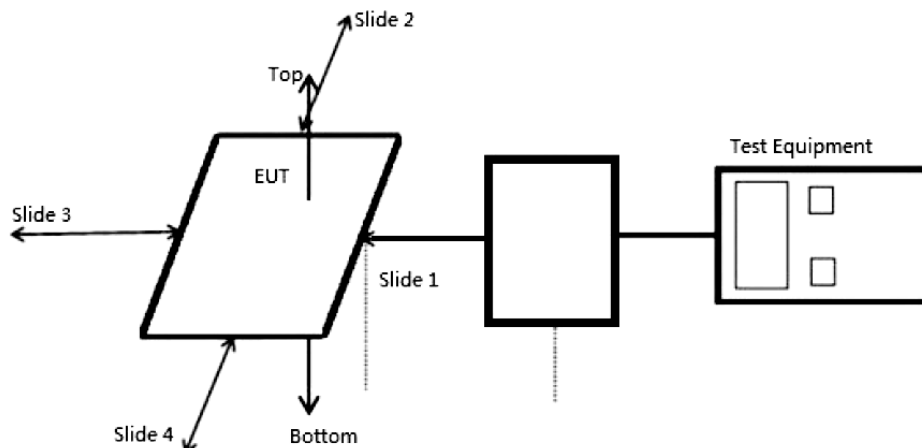
Atmospheric Pressure: 1006 mbar



6.1.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	13	Charge mode_Keep the EUT charging by wireless charger

6.1.3 Test Setup Diagram



6.1.4 Measurement Procedure and Data

The EUT has been charged at zero charge, intermediate charge, and full charge.

Electric Field Emissions

Operation frequency	Test Distance	Test Position	Probe Measure Result(V/m)			Limit
	(cm)*		zero charge	intermediate charge	full charge	(V/m)
185 kHz which is the worst case within the operation frequency range	20	Side 1	1.53	1.91	1.41	<=614
		Side 2	1.64	1.82	1.32	
		Side 3	1.32	1.43	1.33	
		Side 4	1.12	1.44	1.34	
		Top	1.67	1.95	1.75	
		Bottom	0.81	1.26	0.86	

Magnetic Field Emissions

Operation frequency	Test Distance	Test Position	Probe Measure Result(A/m)			Limit
	(cm)*		zero charge	intermediate charge	full charge	(A/m)
185 kHz which is the worst case within the operation frequency range	20	Side 1	0.07	0.05	0.09	<=1.63
		Side 2	0.09	0.05	0.06	
		Side 3	0.07	0.05	0.06	
		Side 4	0.06	0.05	0.07	
		Top	0.06	0.06	0.07	
		Bottom	0.07	0.03	0.06	

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

So the device meets the RF exposure.



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7 Test Setup Photo

Refer to Appendix - Test Setup Photo for GZCR251000159602.



8 EUT Constructional Details (EUT Photos)

Refer to Appendix - External and Internal Photos for GZCR2510001596HS

- End of the Report -

