



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

SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250100002502

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Human Exposure Report

Application No.: SZCR2501000025AT
Applicant: Anker Innovations Limited
Address of Applicant: Unit 56, 8th Floor, Tower 2, Admiralty Centre, 18 Harcourt Road, Hong Kong
Manufacturer: Anker Innovations Limited
Address of Manufacturer: Unit 56, 8th Floor, Tower 2, Admiralty Centre, 18 Harcourt Road, Hong Kong
Factory: Ce Link Viet Nam Company Limited
Address of Factory: Part of lots CNSG-04&CNSG-06 Van Trunig Industrial Zone, Van Trung Ward, Viet Yen Town, Bac Giang Province, Vietnam

Equipment Under Test (EUT):
EUT Name: Anker Zolo Wireless Charger (Magnetic, Pad)
Model No.: A25M2
FCC ID: 2AOKB-A25M2
Standards: 47 CFR PART 1, Subpart I, Section 1.1310
47 CFR PART 2, Subpart J, Section 2.1091
KDB 680106 D01 Wireless Power Transfer v04

Date of Receipt: 2025-01-02
Date of Test: 2025-01-04 to 2025-02-17
Date of Issue: 2025-02-24

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

Keny Xu

Keny Xu
EMC Laboratory Manager



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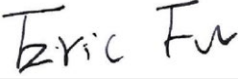
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Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2025-02-24		Original

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



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3 General Information

3.1 Details of E.U.T.

Power supply:	Input: 9V/2.5A (Powered by USB-C port). Wireless Output: 5W/7.5W/15W.
Cable(s):	Non-detachable charging cable 150cm unshielded
Operation frequency:	112.00-148.00kHz & 356.80-369.60kHz
Modulation type:	Load modulation
Antenna type:	Loop Antenna
Duty Cycle:	100%

Remark 1: 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.

Remark 2: For Output 1, when this device output 5/7.5W, the operation frequency range is 112.00-148.00kHz; when this device output 15W, the operation frequency range is 356.80-369.60kHz.

Remark 3: The EUT comes in different colors.

3.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
Adapter	Lenovo	LA140	REF. No.SEA05S01I
Mobile Phone(For 5W)	Nexus	MRA58K	REF. No.SEA16P00
iPhone 8 (For 7.5W)	Apple	A1863	REF. No.SEA16J00
iPhone 15Pro (For 15W)	Apple	A3104	REF. No.SEA16Q02



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3.3 Test Location

All tests were performed at:

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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 (Member No. 1937)

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. Shenzhen EMC laboratory 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: CN1336

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized as an accredited testing laboratory.

Designation Number: CN1336. Test Firm Registration Number: 787754.

• 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	3m Fully-Anechoic Chamber	AUDIX	N/A	SEM001-02	2025/05/10
2	MAGPy-8H3D+E3D	SPEAG	MAGPy	SEM060-31	2025/02/22
3	MAGPy-DAS	SPEAG	MAGPy	SEM060-32	2025/02/22



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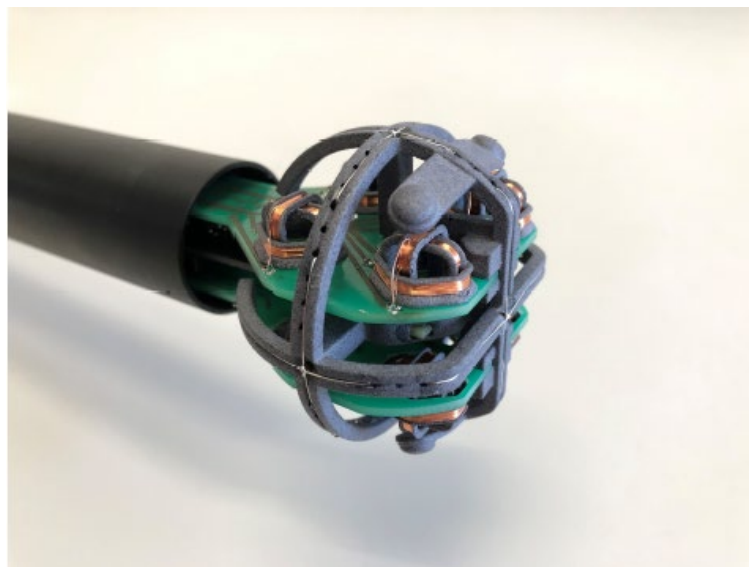
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Probe parameter:

Parameter	Specs
PROBE DESIGN	
Diameter	60 mm
8 isotropic <i>H</i> -field sensors	concentric loops of 1 cm ² arranged at the corner of a cube of 22 mm side length
1 isotropic <i>E</i> -field sensor	orthogonal dipole/monopole (arm length: 50 mm)
Measurement center	18.5 mm from the probe tip
Temperature range	0–40 °C
Dimensions	110 × 635 × 35 mm (MAGPy-8H3D+E3D V2 & MAGPy-DAS V2)
<i>H</i>-FIELD SPECIFICATION	
Frequency range	3 kHz–10 MHz
Measurement range	0.1–3200 A/m, 0.12 μT–4 mT
Gradient range	0–80 T/m/T
<i>E</i>-FIELD SPECIFICATION	
Frequency range	3 kHz–10 MHz
Measurement range	0.08–2000 V/m



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5 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	03	Charge mode_Keep the EUT charging(15W)



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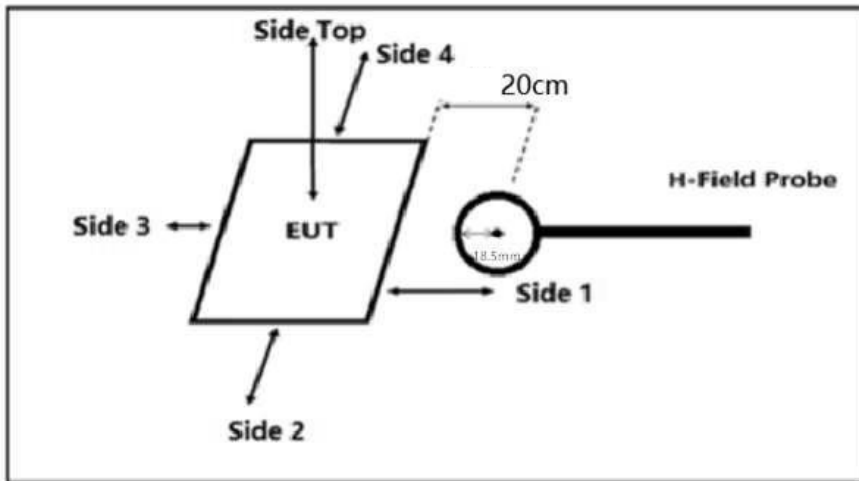
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6 Test Block Diagram



Remark:

- 1 The RF exposure test is performed in the anechoic chamber.
- 2 The test distance is 20cm from the center of the probe along all three axes of the device.



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7 Test Results

7.1 RF Exposure test

Test Requirement: 47 CFR PART 1, Subpart I, Section 1.1310

Measurement Distance: 20cm

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).



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7.1.1 E.U.T. Operation

Operating Environment:

Temperature: 22.3 °C Humidity: 52.9 % RH Atmospheric Pressure: 1020 mbar

7.1.2 Measurement Data

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	
360 kHz which is the worst case within the operation frequency range	20	Side 1	0.032	0.024	0.017	0.815
		Side 2	0.024	0.017	0.011	
		Side 3	0.022	0.016	0.011	
		Side 4	0.026	0.019	0.013	
		Top	0.051	0.036	0.023	

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	
360 kHz which is the worst case within the operation frequency range	20	Side 1	2.53	1.84	1.06	307
		Side 2	1.45	1.08	0.63	
		Side 3	1.57	1.19	0.72	
		Side 4	1.22	0.93	0.55	
		Top	4.48	3.16	1.87	

- End of the Report -



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