



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

SZEMC-TRF-01 Rev. A/1

Report No.: SZCR240500171602

Page: 1 of 12

Human Exposure Report

Application No.: SZCR2405001716AT
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: Gopod Group Holding Limited
Address of Factory: 301, 4/F, 5/F, 6/F, Building#8 & 6/F, 7/F, Tower#C, Lian Jian Industrial Park II, Shang Henglang Community, DaLang St, LongHua Dist, Shenzhen

Equipment Under Test (EUT):
EUT Name: Anker MagGo Wireless Charger (2-in-1, Stand)
Model No.: A2544
Trade Mark: Anker
FCC ID: 2AOKB-A2544
Standards: 47 CFR PART 1, Subpart I, Section 1.1310
47 CFR PART 2, Subpart J, Section 2.1091

Date of Receipt: 2024-05-13
Date of Test: 2024-05-17 to 2024-06-06
Date of Issue: 2024-06-12

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



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

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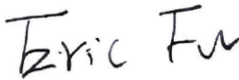
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Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2024-06-12		Original

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:	Adapter: Model: ASPD53a-P40W20 Input: 100-240V~50/60HZ 1.0A Output: 5.0V/3.0A, 9.0V/3.0A, 12.0V/3.0A, 15.0V/2.66A, 20.0V/2.0A Wireless output: Output 1: 5W/7.5W/15W(for iphone) Output 2: 5W(for TWS)
Cable(s):	USB-C to USB-C 150cm unshielded
Operation frequency:	Output 1 (for iphone): 110.60-145.60kHz & 356.20-369.80kHz Output 2 (for TWS): 117.20-146.60kHz
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: EUT comes in different colors.



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3.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
E-loading	Customer provided	N/A	N/A
Airpods	Apple	Airpods 2	REF. No.SEA05B06D
iPhone 15Pro	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



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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 Anechoic Chamber	AUDIX	N/A	SEM001-02	2025/04/01
2	MAGPy-8H3D+E3D	SPEAG	MAGPy	SEM060-31	2024/11/14
3	MAGPy-DAS	SPEAG	MAGPy	SEM060-32	2024/11/14



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5 Test Results

5.1 RF Exposure test

Test Requirement: 47 CFR PART 1, Subpart I, Section 1.1310
47 CFR PART 2, Subpart J, Section 2.1091

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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5.1.1 E.U.T. Operation

Operating Environment:

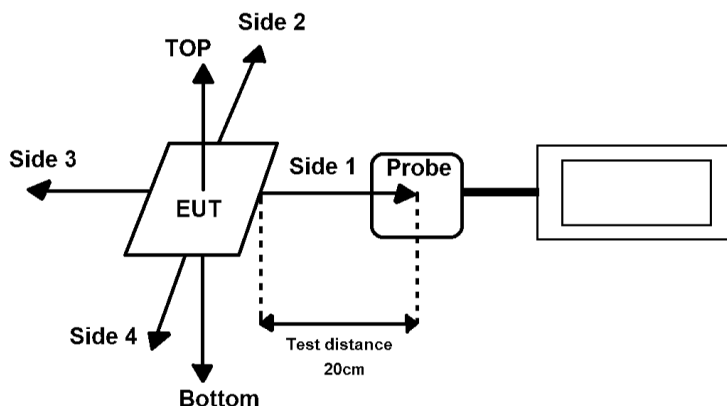
Temperature: 22.3 °C Humidity: 52.9 % RH Atmospheric Pressure: 1015 mbar

This device has been tested the worst status of full load and the device has been tested with mobile phone/TWS at zero charge, intermediate charge, and full charge.

5.1.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Pre-scan	00	Charging mode_Keep the EUT charging (Output1: 5W).
Pre-scan	01	Charging mode_Keep the EUT charging (Output1: 7.5W).
Pre-scan	02	Charging mode_Keep the EUT charging (Output1: 15W).
Pre-scan	03	Charging mode_Keep the EUT charging (Output2: 5W).
Pre-scan	04	Charging mode_Keep the EUT charging (Output1: 5W+Output2: 5W).
Pre-scan	05	Charging mode_Keep the EUT charging (Output1: 7.5W+Output2: 5W).
Final test	06	Charging mode_Keep the EUT charging (Output1: 15W+Output2: 5W).

5.1.3 Test Block Diagram



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5.1.4 Measurement Data

Magnetic Field Emissions

Operation frequency	Test Distance (cm)	Test Position	Probe Measure Result (A/m)			Limit (A/m)
			unload	Half load	full load	
Output1:360kHz Output2:140kHz which is the worst case	20	Side 1	0.044	0.833	0.947	1.63
		Side 2	0.048	0.085	0.093	
		Side 3	0.041	0.064	0.072	
		Side 4	0.034	0.066	0.076	
		Top	0.036	0.072	0.087	

Operation frequency	Test Distance (cm)	Test Position	Probe Measure Result(A/m)			Limit (A/m)
			zero charge	intermediate charge	full charge	
Output1:360kHz Output2:140kHz which is the worst case	20	Side 1	1.220	1.025	0.521	1.63
		Side 2	0.114	0.096	0.049	
		Side 3	0.085	0.071	0.038	
		Side 4	0.093	0.078	0.039	
		Top	0.102	0.086	0.043	



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Electric Field Emissions

Operation frequency	Test Distance (cm)	Test Position	Probe Measure Result (V/m)			Limit (V/m)
			unload	Half load	full load	
Output1:360kHz Output2:140kHz which is the worst case	20	Side 1	0.034	1.078	1.428	614
		Side 2	0.043	0.407	0.539	
		Side 3	0.035	0.253	0.339	
		Side 4	0.041	0.328	0.437	
		Top	0.034	0.378	0.500	

Operation frequency	Test Distance (cm)	Test Position	Probe Measure Result(V/m)			Limit (V/m)
			zero charge	intermediate charge	full charge	
Output1:360kHz Output2:140kHz which is the worst case	20	Side 1	1.262	1.045	0.612	614
		Side 2	0.476	0.393	0.231	
		Side 3	0.298	0.244	0.138	
		Side 4	0.385	0.317	0.191	
		Top	0.440	0.365	0.218	

- End of the Report -



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