

RF Exposure Report

Model : **A25L0**

Product Type : Anker MagGo Wireless Charger (Stand with Spotlight)

Applicant : Anker Innovations Limited

Address : Unit 56, 8th Floor, Tower 2, Admiralty Centre, 18 Harcourt Road, Hong Kong

Manufacturer : Anker Innovations Limited

Address : Unit 56, 8th Floor, Tower 2, Admiralty Centre, 18 Harcourt Road, Hong Kong

Test Result : ☒ **Positive** ☐ **Negative**

Total pages including
Appendices : **10**

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1. Product information

Product name: Anker MagGo Wireless Charger (Stand with Spotlight)

Model No.: A25L0

FCC ID: 2AOKB-A25L0

Rating: Input: 9VDC, 2.77A / 12VDC, 2A / 15VDC, 1.66A supplied by external adapter
Output: Wireless charging output: 5W, 7.5W, 15W

RF Transmission Frequency: 111-147kHz, 360kHz

Antenna Type: Integrated coil antenna

Description of the EUT: The Equipment Under Test (EUT) is an Anker MagGo Wireless Charger (Stand with Spotlight) which operated at 111-147kHz and 360kHz for wireless charging function (with data transmitting function).

Sample Received Date: September 2, 2024

Test Date: September 2, 2024

Issue Date: September 25, 2024

Reviewed by:

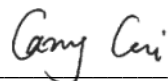
Prepared by:

Tested by:


John Zhi
Project Manager




Sanvin Zheng
Project Engineer


Carry Cai
Test Engineer

2. Summary of Test Standard

Test Standards
FCC Part1 §1.1310 Radiofrequency radiation exposure limits.
KDB 680106 D01 Wireless Power Transfer v04 EQUIPMENT AUTHORIZATION OF WIRELESS POWER TRANSFER DEVICES

3. Test Laboratory and test Equipment List

Details about the Test Laboratory:

Company name: TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch

Building 12&13, Zhiheng Wisdomland Business Park,
Guankou Erlu, Nantou, Nanshan District,
Shenzhen City, 518052,
P. R. China

FCC Registration No.: 514049

FCC Designation Number: CN5009

Telephone: 86 755 8828 6998

Fax: 86 755 8828 5299

4. Equipment list

DESCRIPTION	MANUFACTURER	MODEL NO.	EQUIPMENT ID	SERIAL NO.	CAL INTERVAL (YEAR)	CAL. DUE DATE
Electric and magnetic field probe Analyzer	NARDA	EHP-200A	68-4-27-21-001	180ZX10218	1	2025-3-4
Test software	NARDA	EHP200-TS	68-4-27-21-001-A01	02.05	N/A	N/A
Shielding Room #2	TDK	BTC	68-4-90-19-002	----	3	2025-10-15

5. Measurement Uncertainty

System Measurement Uncertainty	
Test Items	Extended Uncertainty
Uncertainty Evaluation for RF Exposure	1.45dB (Magnetic field) 1.45dB (Electric)

6. Limit and Guidelines on Exposure to Electromagnetic Fields

According to §1.1310 system operating under the provisions of this section shall be operating in a manner that the public is not exposed to radio frequency energy level in excess limit for maximum permissible exposure.

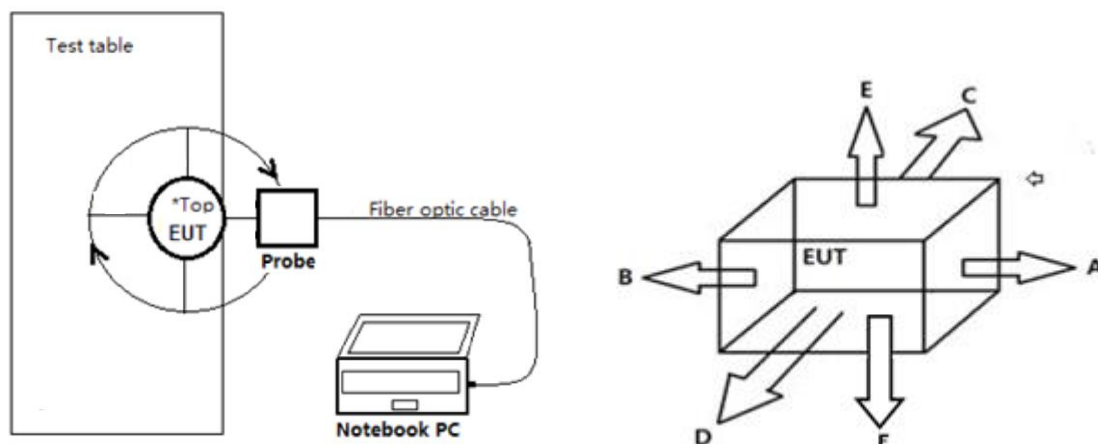
TABLE 1—LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

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 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
(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
300-1,500			f/1500	<30
1,500-100,000			1.0	<30

f = frequency in MHz * = Plane-wave equivalent power density

Per the guidance of KDB 680106, the E-field and H-field limits between 100 kHz to 300 kHz are to be considered the same as those at 300 kHz in Table 1 of § 1.1310 shown in the table above, any device (both portable and mobile) operating at frequencies below 100 kHz is considered compliant for the purpose of equipment authorization when the external (unperturbed) temporal peak field strengths do not exceed the 83 V/m for the electric field strength (E) and 90 A/m for the magnetic field strength (H).

7. Test setup



The test distance between the edge of the EUT and the probe center is 20cm

8. Measurement procedure

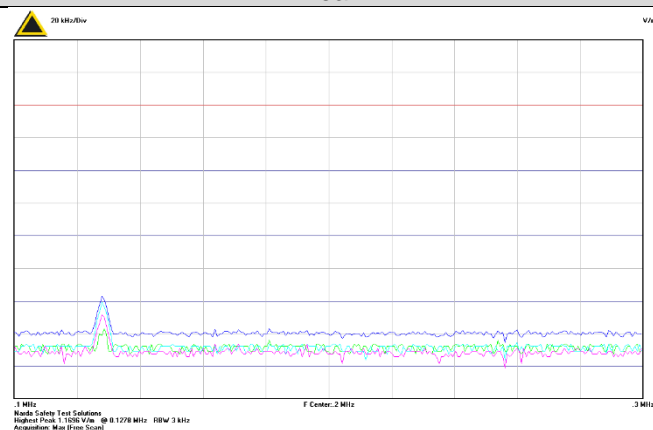
- a) The RF exposure test was performed on the table in anechoic chamber.
- b) The measurement was investigated between the edge of the EUT and center of the field probe in the closest state.
- c) Maximum E-field and H-field measurements were made on each of six sides of the EUT that could come in contact with a user. Six sides are defined as follows: Front (A), Rear (B), Left (C), Right (D), Top (E), Bottom (F) and Bottom and Refer to the test position diagram above.
- d) According to the guidance of KDB 680106 D01 v04, test distance 20cm was the distance between the edge of the EUT and the probe center.

9. Test Result

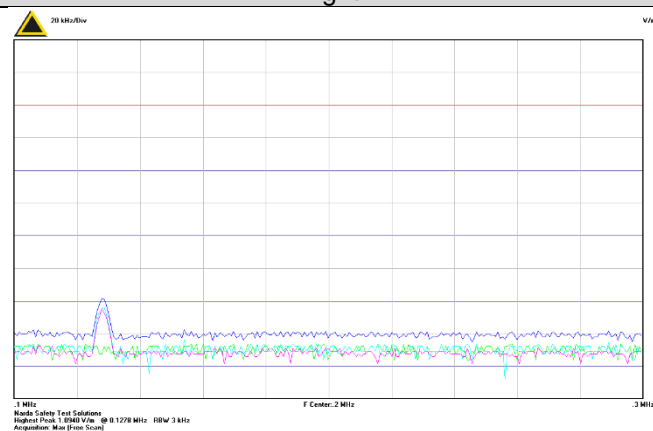
7.5W wireless charging test mode:

Electric Field Emissions				
Test Position	Test Distance (cm)	Measure Value (V/m)	Limit (V/m)	Result
Front	20	0.9167	614	PASS
Rear	20	1.1696	614	PASS
Left	20	1.0763	614	PASS
Right	20	1.0940	614	PASS
Top	20	0.9725	614	PASS
Bottom	20	0.4225	614	PASS
Magnetic Field Emissions				
Test Position	Test Distance (cm)	Measure Value (A/m)	Limit (A/m)	Result
Front	20	0.0562	1.63	PASS
Rear	20	0.0807	1.63	PASS
Left	20	0.0650	1.63	PASS
Right	20	0.0692	1.63	PASS
Top	20	0.1065	1.63	PASS
Bottom	20	0.0569	1.63	PASS

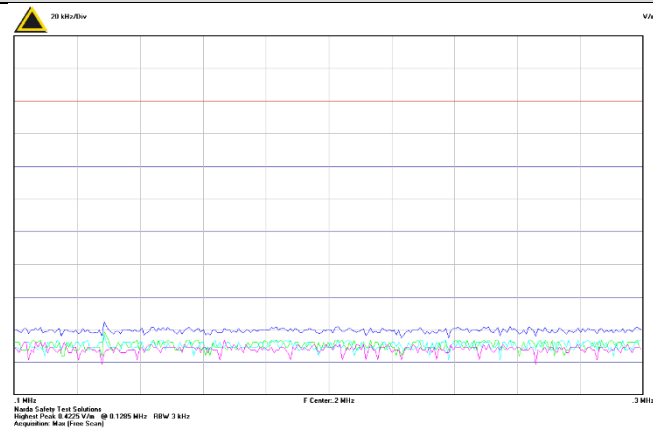
Rear



Right



Bottom



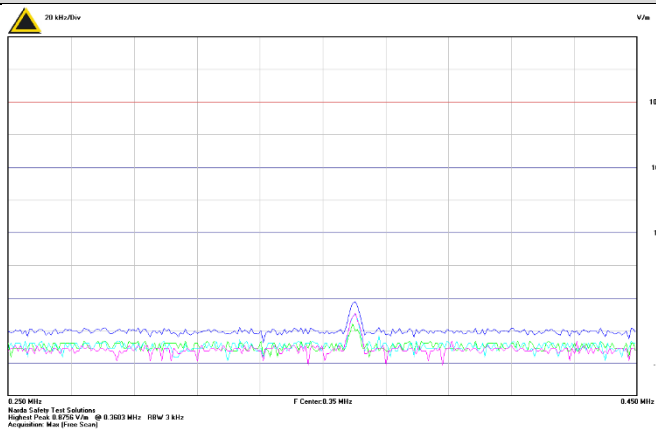


15W wireless charging test mode:

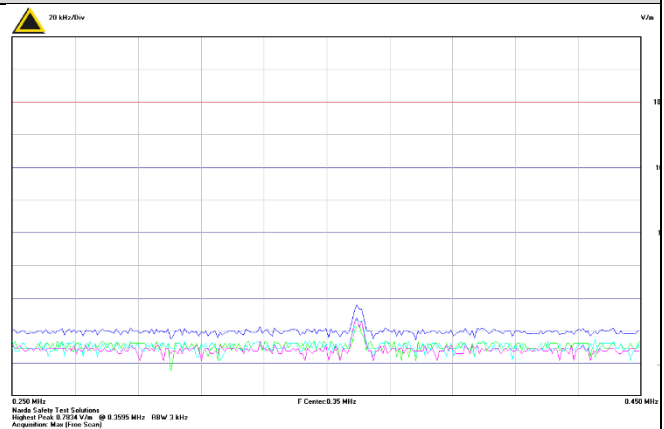
Electric Field Emissions				
Test Position	Test Distance (cm)	Measure Value (V/m)	Limit (V/m)	Result
Front	20	0.8756	614	PASS
Rear	20	0.7834	614	PASS
Left	20	0.5754	614	PASS
Right	20	2.3451	614	PASS
Top	20	1.7630	614	PASS
Bottom	20	0.6152	614	PASS
Magnetic Field Emissions				
Test Position	Test Distance (cm)	Measure Value (A/m)	Limit (A/m)	Result
Front	20	0.0506	1.63	PASS
Rear	20	0.0495	1.63	PASS
Left	20	0.0495	1.63	PASS
Right	20	0.0506	1.63	PASS
Top	20	0.1136	1.63	PASS
Bottom	20	0.0489	1.63	PASS

Electric Field Emissions

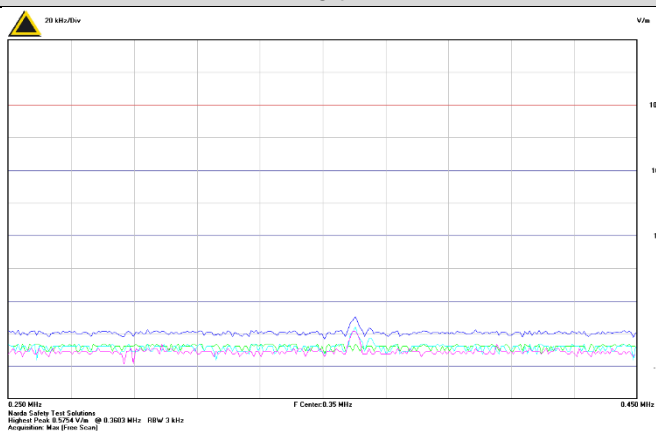
Front



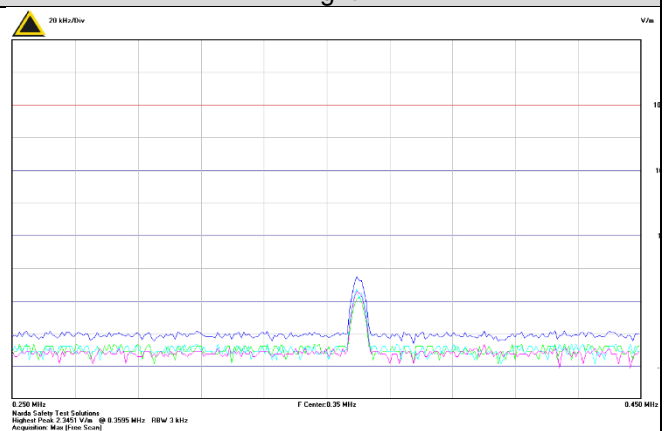
Rear



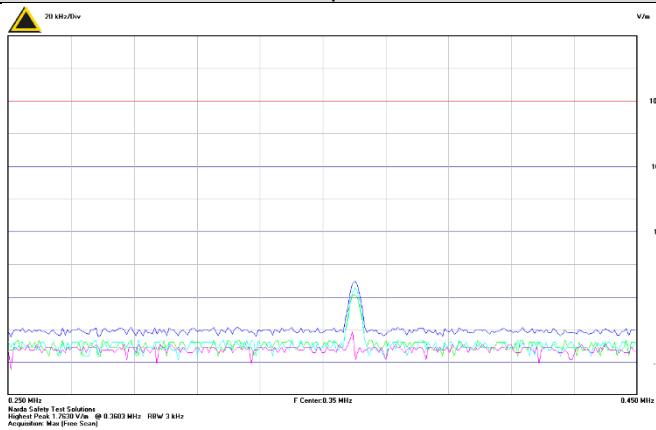
Left



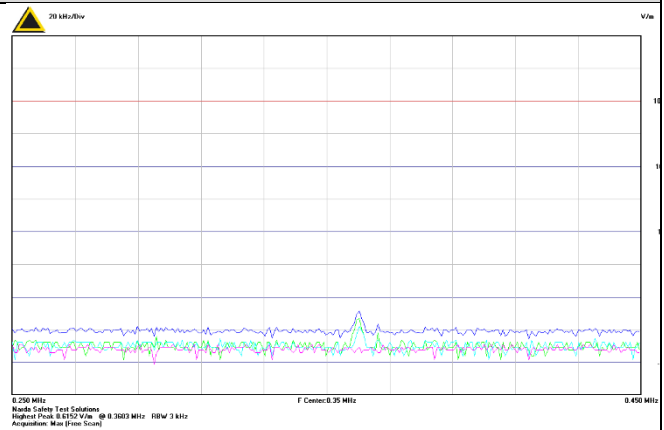
Right



Top



Bottom





Remark:

The worst-case data have been reported, and no other electromagnetic field data exceeding the listed emission values above the table have been reported.

The test result compliance with §1.1310 and KDB 680106 D01 v04 requirement.

---END OF TEST REPORT---