

RF EXPOSURE TEST REPORT

APPLICANT : Anker Innovations Limited

PRODUCT NAME : Anker Prime Wireless Charging Station (3-in-1, MagGo, AirCool, Foldable)

MODEL NAME : A25N1

BRAND NAME : ANKER

FCC ID : 2AOKB-A25N1
47 CFR Part 1.1310

STANDARD(S) : KDB 680106 D01 Wireless Power Transfer v04

Report No. EFGX25090522-IE-01-E02

RECEIPT DATE : 2025-09-26

TEST DATE : 2025-09-26 to 2025-10-22

ISSUE DATE : 2025-10-22

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1. General information

1.1. Notes

The results of this test report relate exclusively to the item tested as specified in chapter “Description of test item” and are not transferable to any other test items.

Eurofins Electrical Testing Service (Shenzhen) Co., Ltd. is not responsible for any generalisations and conclusions drawn from this report. Any modification of the test item can lead to invalidity of test results and this test report may therefore be not applicable to the modified test item.

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Operator:

2025-10-22		Bruce Zheng / Project Engineer	
Date	Eurofins-Lab.	Name / Title	Signature

Technical responsibility for area of testing:

2025-10-22		Albert Xu / Lab Manager	
Date	Eurofins	Name / Title	Signature

1.2. Testing laboratory

Eurofins Electrical Testing Service (Shenzhen) Co., Ltd.

Room 20 of 2/F., 1/F., Building 2, Spring Block & Room 102, Building 8, Autumn Block, Meishenghuigu Innovation Park, No.83, Dabao Road, Bao'an District, Shenzhen, Guangdong, China

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The Laboratory has passed the Accreditation by the American Association for Laboratory Accreditation (A2LA). The Accreditation number is 5376.01

The Laboratory has been listed by industry Canada to perform electromagnetic emission measurements, The CAB identifier is CN0088

1.3. Details of applicant

Name	:	Anker Innovations Limited
Address	:	Unit 56, 8th Floor, Tower 2, Admiralty Centre, 18 Harcourt Road, Hong Kong
Telephone	:	./.
Fax	:	./.

1.4. Details of manufacturer

Name	:	Anker Innovations Limited
Address	:	Unit 56, 8th Floor, Tower 2, Admiralty Centre, 18 Harcourt Road, Hong Kong
Telephone	:	./.
Fax	:	./.

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1.5. Test item

Product type	: Anker Prime Wireless Charging Station (3-in-1, MagGo, AirCool, Foldable)
Model name	: A25N1
Brand	: ANKER
Serial number	: N/A
Ratings	: Input: 9.0V, 3A; 12V, 3A; 15V, 3A Output: Phone:25W; Apple watch: 5W; TWS: 5W
Test voltage	: 120V
FCC ID	: 2AOKB-A25N1
Additional information	: ./.

RadioTechnical data

Operating Frequency	: Phone:115-148kHz & 360kHz TWS:115-148kHz Apple watch:326.5kHz & 1.778MHz
Modulation	: ASK

1.6. Test methodology

The tests documented in this report were performed in accordance with FCC 47CFR§1.1310, FCC 47CFR§2.1091, KDB 680106 D01 Wireless Power Transfer v04.

2. Requirement

2.1. Limit

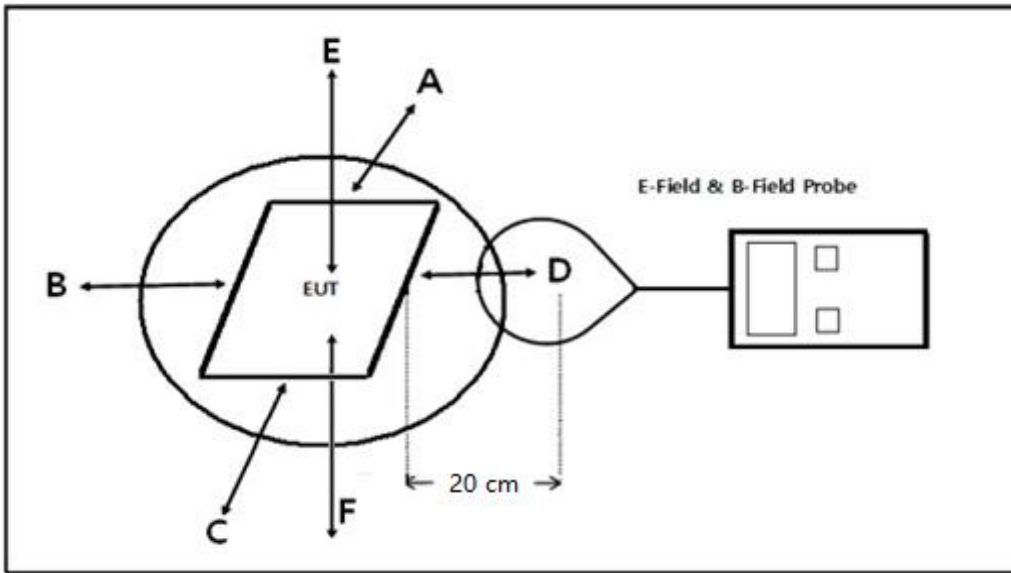
Frequency Range (MHz)	E-field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/cm ²)	Averaging Time E ² , H ² or S (Minutes)
0.3 -- 1.34	614	1.63	(100)*	30
1.34 -- 30	824/f	2.19/f	(180/f ²)*	30
30 -- 300	27.5	0.073	0.2	30
300 -- 1500	--	--	f/1500	30
1500 -- 100,000	--	--	1.0	30

Emissions between 100 kHz to 300 kHz should be assessed versus the limits at 300 kHz in Table 1 of Section 1.1310: 614 V/m and 1.63 A/m. A KDB inquiry is required to determine the applicable exposure limits below 100 kHz.

2.2. Method of measurement

- The RF exposure test was performed in shielded chamber.
- The aggregate H-field strengths at 20 cm surrounding the device and 20 cm above the top surface from all simultaneous transmitting coils are demonstrated to be less than 50% of the MPE limit
- The measurement probe used to search of highest strength.
- The highest emission level was recorded and compared with limit as soon as measurement of each points (A, B, C, D, E) were completed.
- The EUT were measured according to the dictates of KDB 680106D01v04.

2.3. Block diagram of test setup



Note: As bottom point is not required to test for desktop devices, so we scanning all the surfaces and recorded the worst level in F.

- The RF exposure test was performed in anechoic chamber.
- E and H-field measurements should be made with these devices considered to meet the § 2.1091-Mobile conditions (“generally be used in such a way that a separation distance of at least 20 centimeters is normally maintained between the RF source’s radiating structure(s) and [the nearest person]”).
- The highest emission level was recorded and compared with limit.
- The EUT was measured according to the dictates of KDB 680106 D01 Wireless Power Transfer v04.

2.4. Measuring instrument used

EQUIPMENT ID	EQUIPMENT NAME	MODEL NO.	CAL. DUE DATE
23-1-16-007	Exposure Lever Tester	ELT-400	2026-06-12

2.5. Auxiliary Equipment Used during Test:

DESCRIPTION	MANUFACTURER	MODEL NO.	S/N
Phone	Apple	iPhone 14	---
Airpods	Apple	A2083	---
iWatch	Apple	iWatch S7	---

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2.6. E field and H field strength test result

Test mode for wireless charger:

No.	Operating Mode
Mode 1	Wireless Output (Phone:5W)
Mode 2	Wireless Output (Phone:7.5W)
Mode 3	Wireless Output (Phone:25W)
Mode 4	Wireless Output (Apple watch:3W)
Mode 5	Wireless Output (Apple watch:5W)
Mode 6	Wireless Output (TWS:5W)
Mode 7	Wireless Output (Phone:5W + TWS:5W)
Mode 8	Wireless Output (Phone:7.5W + TWS:5W)
Mode 9	Wireless Output (Phone:25W + TWS:5W)
Mode 10	Wireless Output (Phone:5W + Apple watch:3W)
Mode 11	Wireless Output (Phone:7.5W + Apple watch:3W)
Mode 12	Wireless Output (Phone:25W + Apple watch:3W)
Mode 13	Wireless Output (Phone:5W + Apple watch:5W)
Mode 14	Wireless Output (Phone:7.5W + Apple watch:5W)
Mode 15	Wireless Output (Phone:25W + Apple watch:5W)
Mode 16	Wireless Output (Apple watch:3W + TWS:5W)
Mode 17	Wireless Output (Apple watch:5W + TWS:5W)
Mode 18	Wireless Output (Phone:5W + Apple watch:3W + TWS:5W)
Mode 19	Wireless Output (Phone:7.5W + Apple watch:3W + TWS:5W)
Mode 20	Wireless Output (Phone:25W + Apple watch:3W + TWS:5W)
Mode 21	Wireless Output (Phone:5W + Apple watch:5W + TWS:5W)
Mode 22	Wireless Output (Phone:7.5W + Apple watch:5W + TWS:5W)
Mode 23	Wireless Output (Phone:25W + Apple watch:5W + TWS:5W)
Mode 24	Standby

Note:

Phone 5W: 115-148kHz; Phone 7.5W: 115-148kHz; Phone 25W: 360kHz

TWS 5W: 115-148kHz

Apple watch 3W: 326.5kHz; Apple watch 5W: 1.778MHz

All the test modes were carried out with the EUT in normal operation, the final test mode of the EUT was the worst test mode for emission test, which was shown in this report and defined as: After the pre-test data of distances of 20cm, 22cm, and 24cm, only the worst-case distance(20cm) data is recorded below

Mode 20 operating mode with client device (1% battery status)

Test Position	H-Filed Strength Measure Result		Limits (A/m)
	Mode 20		
	A/m		
A	0.421		1.63
B	0.130		1.63
C	0.315		1.63
D	0.088		1.63
E	0.063		1.63
F	0.156		1.63

Test Position	E-Filed Strength Measure Result		Limits (V/m)
	Mode 20		
	V/m		
A	1.512		614
B	1.331		614
C	1.613		614
D	1.304		614
E	1.429		614
F	1.441		614

Mode 20 operating mode with client device (50% battery status)

Test Position	H-Filed Strength Measure Result		Limits (A/m)
	Mode 20		
	A/m		
A	0.204		1.63
B	0.276		1.63
C	0.408		1.63
D	0.332		1.63
E	0.098		1.63
F	0.498		1.63

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Test Position	E-Filed Strength Measure Result		Limits (V/m)
	Mode 20		
	V/m		
A	1.114		614
B	1.241		614
C	1.315		614
D	1.508		614
E	1.331		614
F	1.609		614

Mode 20 operating mode with client device (99% battery status)

Test Position	H-Filed Strength Measure Result		Limits (A/m)
	Mode 20		
	A/m		
A	0.300		1.63
B	0.215		1.63
C	0.305		1.63
D	0.099		1.63
E	0.042		1.63
F	0.461		1.63

Test Position	E-Filed Strength Measure Result		Limits (V/m)
	Mode 20		
	V/m		
A	1.231		614
B	1.204		614
C	1.461		614
D	1.151		614
E	1.315		614
F	1.233		614

Mode 21 operating mode with client device (1% battery status)

Test Position	H-Filed Strength Measure Result		Limits (A/m)
	Mode 21		
	A/m		
A	0.305		1.63
B	0.241		1.63
C	0.308		1.63
D	0.046		1.63
E	0.025		1.63
F	0.098		1.63

Test Position	E-Filed Strength Measure Result		Limits (V/m)
	Mode 21		
	V/m		
A	1.416		614
B	1.332		614
C	1.509		614
D	1.315		614
E	1.321		614
F	1.241		614

Mode 21 operating mode with client device (50% battery status)

Test Position	H-Filed Strength Measure Result	Limits (A/m)
	Mode 21	
	A/m	
A	0.204	1.63
B	0.297	1.63
C	0.382	1.63
D	0.300	1.63
E	0.046	1.63
F	0.612	1.63

Test Position	E-Filed Strength Measure Result		Limits (V/m)
	Mode 21		
	V/m		
A	1.121		614
B	1.292		614
C	1.516		614
D	1.613		614
E	1.309		614
F	1.611		614

Mode 21 operating mode with client device (99% battery status)

Test Position	H-Filed Strength Measure Result		Limits (A/m)
	Mode 21		
	A/m		
A	0.363		1.63
B	0.209		1.63
C	0.327		1.63
D	0.078		1.63
E	0.081		1.63
F	0.611		1.63

Test Position	E-Filed Strength Measure Result	Limits (V/m)
	Mode 21	
	V/m	
A	1.232	614
B	1.237	614
C	1.571	614
D	1.272	614
E	1.377	614
F	1.315	614

Mode 23 operating mode with client device (1% battery status)

Test Position	H-Filed Strength Measure Result		Limits (A/m)
	Mode 23		
	A/m		
A	0.521		1.63
B	0.121		1.63
C	0.423		1.63
D	0.095		1.63
E	0.027		1.63
F	0.523		1.63

Test Position	E-Filed Strength Measure Result		Limits (V/m)
	Mode 23		
	V/m		
A	1.533		614
B	1.426		614
C	1.557		614
D	1.456		614
E	1.579		614
F	1.580		614

Mode 23 operating mode with client device (50% battery status)

Test Position	H-Filed Strength Measure Result		Limits (A/m)
	Mode 23		
	A/m		
A	0.241		1.63
B	0.251		1.63
C	0.441		1.63
D	0.351		1.63
E	0.031		1.63
F	0.521		1.63

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Test Position	E-Filed Strength Measure Result	Limits (V/m)
	Mode 23	
	V/m	
A	1.241	614
B	1.425	614
C	1.294	614
D	1.593	614
E	1.251	614
F	1.622	614

Mode 23 operating mode with client device (99% battery status)

Test Position	H-Filed Strength Measure Result	Limits (A/m)
	Mode 23	
	A/m	
A	0.441	1.63
B	0.245	1.63
C	0.325	1.63
D	0.021	1.63
E	0.029	1.63
F	0.506	1.63

Test Position	E-Filed Strength Measure Result	Limits (V/m)
	Mode 23	
	V/m	
A	1.123	614
B	1.222	614
C	1.451	614
D	1.052	614
E	1.233	614
F	1.265	614

End