

RF EXPOSURE TEST REPORT

APPLICANT : Ugreen Group Limited

PRODUCT NAME : Magnetic Wireless Charger

MODEL NAME : W703

BRAND NAME : **UGREEN**

FCC ID : 2AQI5-55206

47 CFR Part 1.1310

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

Report No. EFGX25120370-IE-05-E02

RECEIPT DATE : 2025-12-17

TEST DATE : 2025-12-17 to 2025-12-30

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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.

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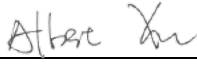
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Operator:

2025-12-30		Bruce Zheng / Project Engineer	
Date	Eurofins-Lab.	Name / Title	Signature

Technical responsibility for area of testing:

2025-12-30		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

Telephone : +86-755-82911867

Fax : +86-755-82910749

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	:	Ugreen Group Limited
Address	:	Ugreen Building, Longcheng Industrial Park, Longguanxi Road, Longhua, ShenZhen, China
Telephone	:	075528198930
Fax	:	075528198930

1.4. Details of manufacturer

Name	:	Ugreen Group Limited
Address	:	Ugreen Building, Longcheng Industrial Park, Longguanxi Road, Longhua, ShenZhen, China
Telephone	:	075528198930
Fax	:	075528198930

1.5. Test item

Product type	: Magnetic Wireless Charger
Model name	: W703
Brand	: UGREEN
Serial number	: N/A
Ratings	: Input:5.0V $\overline{=}$ 3.0A/9.0V $\overline{=}$ 2.22A Wireless Charging Output Power:15.0W Max
Test voltage	: AC120V/60Hz
FCC ID	: 2AQI5-55206
Additional information	: N/A
RadioTechnical data	
Operating Frequency	: 5W+7.5W:127.8kHz; 15W: 360kHz
Modulation	: TX:FSK RX: 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

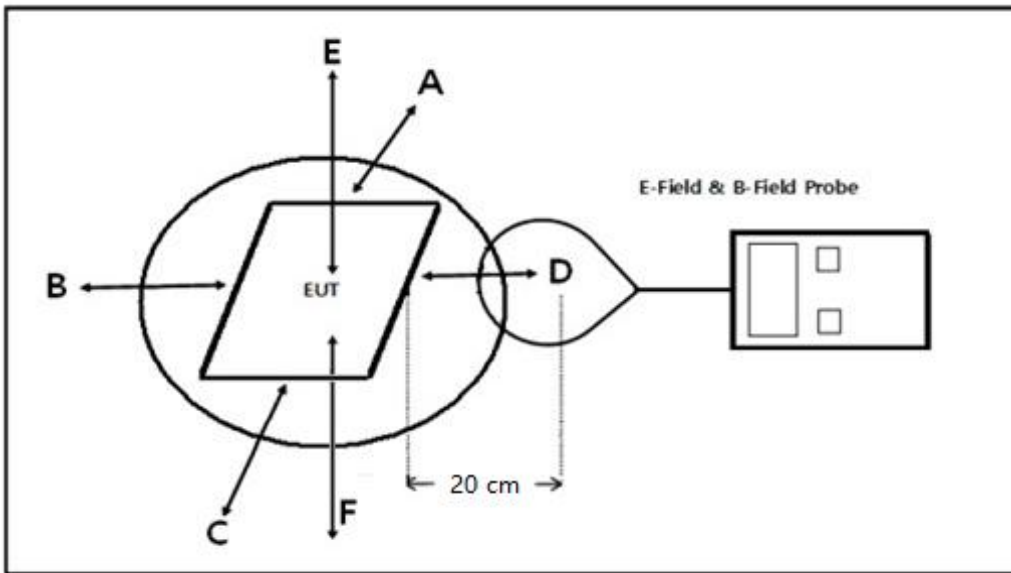
Frequency Range (MHz)	E-field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/cm ²)	Averaging Time E ² , H ² or S (Minutes)
0.3 -- 1.34	614	1.63	(100)*	30
1.34 -- 30	824/f	2.19/f	(180/f ²)*	30
30 -- 300	27.5	0.073	0.2	30
300 -- 1500	--	--	f/1500	30
1500 -- 100,000	--	--	1.0	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:15W)
Mode 4	Standby

Note:

Phone 5W: 127.8kHz

Phone 7.5W: 127.8kHz

Phone 15W: 360kHz

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 2 operating mode with client device (1% battery status)

Test Position	H-Filed Strength Measure Result		Limits (A/m)
	Mode 2		
	A/m		
A	0.55		1.63
B	0.19		1.63
C	0.47		1.63
D	0.61		1.63
E	0.17		1.63
F	0.16		1.63

Test Position	E-Filed Strength Measure Result		Limits (V/m)
	Mode 2		
	V/m		
A	0.24		614
B	0.21		614
C	0.29		614
D	0.33		614
E	0.38		614
F	0.26		614

Mode 2 operating mode with client device (50% battery status)

Test Position	H-Filed Strength Measure Result		Limits (A/m)
	Mode 2		
	A/m		
A	0.54		1.63
B	0.18		1.63
C	0.45		1.63
D	0.59		1.63
E	0.15		1.63
F	0.14		1.63

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Test Position	E-Filed Strength Measure Result		Limits (V/m)
	Mode 2		
	V/m		
A	0.23		614
B	0.20		614
C	0.25		614
D	0.31		614
E	0.36		614
F	0.24		614

Mode 2 operating mode with client device (99% battery status)

Test Position	H-Filed Strength Measure Result		Limits (A/m)
	Mode 2		
	A/m		
A	0.53		1.63
B	0.15		1.63
C	0.42		1.63
D	0.54		1.63
E	0.12		1.63
F	0.12		1.63

Test Position	E-Filed Strength Measure Result		Limits (V/m)
	Mode 2		
	V/m		
A	0.22		614
B	0.21		614
C	0.23		614
D	0.32		614
E	0.33		614
F	0.21		614

Mode 3 operating mode with client device (1% battery status)

Test Position	H-Filed Strength Measure Result	Limits (A/m)
	Mode 3	
	A/m	
A	0.11	1.63
B	0.24	1.63
C	0.50	1.63
D	0.33	1.63
E	0.35	1.63
F	0.17	1.63

Test Position	E-Filed Strength Measure Result	Limits (V/m)
	Mode 3	
	V/m	
A	0.23	614
B	0.36	614
C	0.50	614
D	0.54	614
E	0.38	614
F	0.81	614

Mode 3 operating mode with client device (50% battery status)

Test Position	H-Filed Strength Measure Result	Limits (A/m)
	Mode 3	
	A/m	
A	0.12	1.63
B	0.23	1.63
C	0.48	1.63
D	0.32	1.63
E	0.33	1.63
F	0.16	1.63

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Test Position	E-Filed Strength Measure Result		Limits (V/m)
	Mode 3		
	V/m		
A	0.22		614
B	0.35		614
C	0.48		614
D	0.51		614
E	0.35		614
F	0.76		614

Mode 3 operating mode with client device (99% battery status)

Test Position	H-Filed Strength Measure Result		Limits (A/m)
	Mode 3		
	A/m		
A	0.13		1.63
B	0.21		1.63
C	0.46		1.63
D	0.31		1.63
E	0.32		1.63
F	0.15		1.63

Test Position	E-Filed Strength Measure Result		Limits (V/m)
	Mode 3		
	V/m		
A	0.24		614
B	0.36		614
C	0.49		614
D	0.52		614
E	0.34		614
F	0.79		614

End