Prüfbericht-Nr.: *Test report no.*:	**CN25DRMT 002**	**Auftrags-Nr.:** *Order no.*:	168573768	Seite 1 von 12 *Page 1 of 12*
Kunden-Referenz-Nr.: *Client reference no.*:	N/A	**Auftragsdatum:** *Order date:*	2025-09-08	
Auftraggeber: *Client*:	Ugreen Group Limited UGREEN Building, Longcheng Industrial Park, Longguanxi Road, Longhua, ShenZhen, 518000, China			
Prüfgegenstand: *Test item*:	3-in-1 Wireless Charger			
Bezeichnung / Typ-Nr.: *Identification / Type no.*:	W711			
Auftrags-Inhalt: *Order content*:	Test Report			
Prüfgrundlage: *Test specification*:	CFR Title 47 FCC Part 2.1091			
Wareneingangsdatum: *Date of sample receipt*:	2025-09-10	Please refer to Photo Document		
Prüfmuster-Nr.: *Test sample no:*	A004082331-001~004			
Prüfzeitraum: *Testing period*:	2025-09-27 - 2025-10-27			
Ort der Prüfung: *Place of testing*:	TÜV Rheinland (Shenzhen) Co., Ltd.			
Prüflaboratorium: *Testing laboratory:*	TÜV Rheinland (Shenzhen) Co., Ltd.			
Prüfergebnis*: *Test result*:*	Pass			
geprüft von: tested by: **Datum:** *Date:* 2025-10-31	X Lin Lin Signed by: Lin Lin	**genehmigt von:** *authorized by*: **Ausstellungsdatum:** *Issue date:* 2025-10-31	X Hardy S Signed by: Hardy Suo	
Stellung / Position:	Sachverständige(r)/Expert	**Stellung** / Position:	Sachverständige(r)/Expert	
Sonstiges / *Other*:	FCC ID: 2AQI5-W711A			
Zustand des Prüfgegenstandes bei Anlieferung: *Condition of the test item at delivery*:	Prüfmuster vollständig und unbeschädigt *Test item complete and undamaged*			

* Legende:	P(ass) = entspricht o.g. Prüfgrundlage(n)	F(ail) = entspricht nicht o.g. Prüfgrundlage(n)	N/A = nicht anwendbar	N/T = nicht getestet
** Legend:*	*P(ass) = passed a.m. test specification(s)*	*F(ail) = failed a.m. test specification(s)*	*N/A = not applicable*	*N/T = not tested*

Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens.
This test report only relates to the above mentioned test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.

Anmerkungen
Remarks

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1 General Remarks

1.1 Complementary Materials

All attachments are integral parts of this test report. This applies especially to the following appendix:

Appendix A: Photographs of the Test Set-up.

2 Test Sites

2.1 Test Facilities

TÜV Rheinland (Shenzhen) Co., Ltd.

2-3F, 101 & 102, No.2, Nuclear Power Industrial Park, Fuming Community, Fucheng Street, Longhua District, Shenzhen 518000, China

A2LA Certificate Number: 5162.01

FCC Accreditation Designation No.: CN1260

2.2 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

Equipment	Manufacturer	Model	Serial No.	Cal. Date	Cal. until
Electric and Magnetic Field Analyzer	Narda	EHP200A	180ZX20517	2025-09-28	2027-09-26

2.3 Traceability

All measurement equipment calibrations are traceable to NIM (National Institute of Metrology) or where calibration is performed in other countries, to equivalent nationally recognized standards organizations.

2.4 Calibration

Equipment requiring calibration is calibrated periodically by the manufacturer or according to manufacturer's specifications. Additionally all equipment is verified for proper performance on a regular basics using in house standards or comparisons.

2.5 Measurement Uncertainty

The estimated combined standard uncertainty for radiated emissions and conducted emissions measurements as below table.

Table 2: Measurement Uncertainty

Parameter	Uncertainty (k=2)
Magnetic Field Emissions (A/m)	±1.2μT
Electric Field Emissions (V/m)	±18%

2.6 Location of Original Data

The original copies of all test data taken during actual testing were attached at Appendix A of this report and delivered to the applicant. A copy has been retained in the TÜV Rheinland (Shenzhen) Co., Ltd. file for certification follow-up purposes.

2.7 Status of Facility Used for Testing

The TÜV Rheinland (Shenzhen) Co., Ltd. Test facility located at 2-3F, 101 & 102, No.2, Nuclear Power Industrial Park, Fuming Community, Fucheng Street, Longhua District, Shenzhen 518000, China is listed on the US Federal Communications Commission list of facilities approved to perform measurements.

3 General Product Information

3.1 Product Function and Intended Use

The EUT is a 3-in-1 Wireless Charger which supports wireless charging (WPT) function.

For details refer to the User Manual, Technical Description and Circuit Diagram.

3.2 Ratings and System Details

Table 3: Technical Specification of EUT

General Information of EUT	Value
Kind of Equipment:	3-in-1 Wireless Charger
Type Designation:	W711
Product Number (P/N) code:	55676, 55676P, 55676X, 55676A, 55676B, 55676U, 55676JP, 55676ZD, 55677, 55677P, 55677X, 55677A, 55677B, 55677U, 55677JP, 55677ZD, 55678, 55678P, 55678X, 55678A, 55678B, 55678U, 55678JP, 55684ZD
FCC ID:	2AQI5-W711A
Operating Voltage:	USB-C1(IN) Input: 9Vdc, 3A/ 12Vdc, 3A/ 15Vdc, 3.0A Wireless Charging Output Power: iPhone 25.0W Max, Apple Watch 5.0W Max, AirPods 5.0 Max Wireless Charging Total Output Power: 32.5W Max USB-C2(OUT) Output: 5Vdc, 2A, 10W Max Total Output Power: 35.0W Max
Operating Temperature Range:	-10 °C ~ +35 °C
Wireless charging output power:	Magnetic Wireless Charger: 5W / 7.5W / 10W / 15W / 25W Max. TWS Charging: 5W Max. Watch Charging: 5W Max.
Type-C2 Output power:	10W Max
AC/DC Adapter:	Model: W0452 Input: 100-240Vac, 50/60Hz, 1.2A Output: 5Vdc, 3A/ 9Vdc, 3A/ 12Vdc, 3A/ 15Vdc, 3A/ 20Vdc, 2.25A
Technical Specification of WPT	
Frequency Range:	110.5 – 205 kHz, 0.1485 - 5 MHz
Operating Frequency:	110.5 – 148.5 kHz, 326.5 kHz, 360kHz, 1.778MHz
Type of Modulation:	FSK, ASK
Antenna Type:	Induction coil
Wireless output power:	5W / 7.5W / 10W / 15W / 25W

3.3 Independent Operation Modes

The basic operation modes are:

A. On, Wireless Charging, BPP, 5W (Phone)
B. On, Wireless Charging, EPP, 7.5W (Phone)
C. On, Wireless Charging, EPP, 10W (Phone)
D. On, Wireless Charging, MPP, 15W (Phone)
E. On, Wireless Charging, MPP, 25W (Phone)
F. On, Wireless Charging, 5W [True Wireless Stereo (TWS)]
G. On, Wireless Charging, 5W (Watch)
H. On, Co-location mode (Worst case mode A~E + mode F + mode G)
I. On, Standby mode
J. Off

3.4 Noise Generating and Noise Suppressing Parts

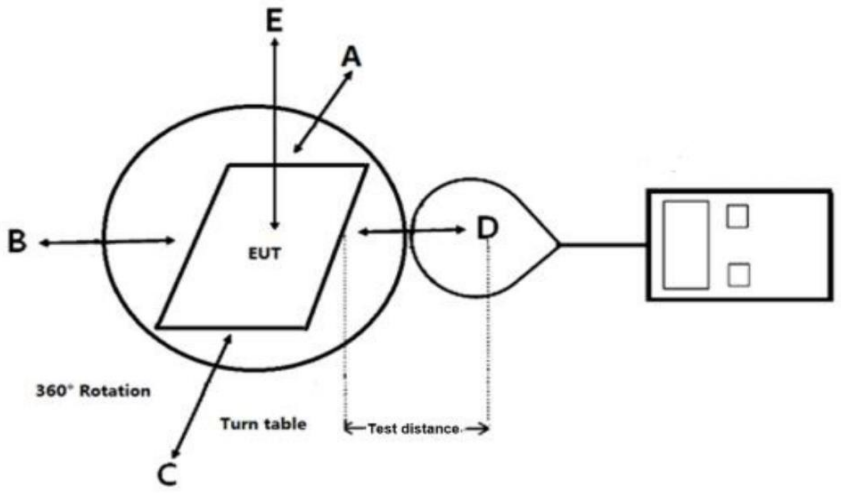
Refer to Circuit Diagram for further details.

3.5 Submitted Documents

- Application Form
- Operation Description
- User Manual
- FCC/IC Label and Location Info

3.6 Test Setup Diagram

Diagram of Measurement Configuration



3.7 Special Accessories and Auxiliary Equipment

Table 4: List of Accessories and Auxiliary Equipment

Description	Manufacturer	Model	Remark
Wireless charge Load	YBZ	YBZ-MPP25	N/A
Watch	Apple	iWatch	N/A
Earphone	Apple	Airpods Pro2	N/A
Cell Phone	Apple	iPhone 16 Plus	N/A

4 Safety Human Exposure

4.1 Radio Frequency Exposure Compliance

4.1.1 Test Procedures According to the Technical Standards

Standards	Test Item	Judgment
FCC CFR 47 part1, 1.1310 KDB 680106 D01 Wireless Power Transfer v04	Electric Field Strength (E) (V/m)	PASS
	Magnetic Field Strength (H) (A/m)	PASS

4.1.2 Limit of Maximum Permissible Exposure

Limit of Maximum Permissible Exposure

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

Note 1: f = frequency in MHz ; *Plane-wave equivalent power density.
Note 2: For the applicable limit, see FCC 1.1310, 680106 D01 RF Exposure Wireless Charging Apps v03.
Note 3: 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.

4.1.3 Test Result

RF Exposure Evaluation - Electric Field Emissions

Test Mode	Test Distance (cm)	Measure Value (V/m)						Limit (V/m)	Result
		Front	Rear	Left	Right	Top	Bottom		
Standby	15	0.938	0.807	0.559	0.428	0.905	0.334	614	PASS
Charging (10W)	15	1.209	1.158	0.921	0.583	0.998	0.382	614	PASS
Charging (25W)	15	1.798	0.927	0.821	0.539	0.622	0.371	614	PASS
Charging (TWS 5W)	15	1.198	0.852	0.762	0.675	0.838	0.397	614	PASS
Charging (Watch 5W_326k)	15	0.287	0.182	0.209	0.195	0.185	0.128	614	PASS
Charging (Watch 5W_1.778M)	15	0.148	0.128	0.109	0.123	0.095	0.085	614	PASS
Charging (Co-location)	15	1.835	0.955	1.209	0.938	1.378	0.485	614	PASS

RF Exposure Evaluation - Magnetic Field Emissions

Test Mode	Test Distance (cm)	Measure Value (A/m)						Limit (A/m)	Result
		Front	Rear	Left	Right	Top	Bottom		
Standby	15	0.765	0.625	0.438	0.391	0.538	0.295	1.63	PASS
Charging (10W)	15	0.028	0.021	0.021	0.025	0.022	0.026	1.63	PASS
Charging (25W)	15	0.026	0.022	0.023	0.025	0.021	0.021	1.63	PASS
Charging (TWS 5W)	15	0.674	0.569	0.258	0.553	0.587	0.282	1.63	PASS
Charging (Watch 5W_326k)	15	0.038	0.025	0.026	0.022	0.023	0.023	1.63	PASS
Charging (Watch 5W_1.778M)	15	0.024	0.023	0.022	0.022	0.023	0.020	1.63	PASS
Charging (Co-location)	15	0.805	0.363	0.158	0.288	0.391	0.253	1.63	PASS

5 Photographs of the Test Set-Up

For photographs of the test set-up, refer to the appendix A.

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