



FCC RF EXPOSURE
CERTIFICATION TEST REPORT

For

Round Sublimated Wireless Charger

MODEL NUMBER: #GY68

FCC ID: 2A28GGY68

REPORT NUMBER: 4790090016.1-2

ISSUE DATE: September 16, 2021

Prepared for

**PlanetArt, LLC
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Prepared by

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Revision History

Rev.	Issue Date	Revisions	Revised By
V0	09/16/2021	Initial Issue	

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1. ATTESTATION OF TEST RESULTS

Applicant Information

Company Name: PlanetArt, LLC
Address: 23801 Calabasas Road | Calabasas, California 91302

Manufacturer Information

Company Name: Shenzhen Yuncheng Technology Co.,Ltd
Address: 6 / F, Building C, Jinxiongda Science park, South Huanguan Road, Guanhua Street, Longhua District, Shenzhen

EUT Information

EUT Name: Round Sublimated Wireless Charger
Model: #GY68
Brand: /
Sample Received Date: September 06, 2021
Sample Status: Normal
Sample ID: 4203959
Date of Tested: September 15, 2021

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
FCC 47CFR§1.1307	PASS
FCC 47CFR§1.1310	PASS
FCC 47CFR§2.1093	PASS
FCC 47CFR§2.1091	PASS

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2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with FCC 47CFR§1.1307(b)(1), FCC 47CFR§1.1310, FCC 47CFR§2.1093, KDB 680106 D01 RF Exposure Wireless Charging App v03r01.

3. FACILITIES AND ACCREDITATION

Accreditation Certificate	<p>A2LA (Certificate No.: 4102.01) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been assessed and proved to be in compliance with A2LA.</p> <p>FCC (FCC Designation No.: CN1187) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. Has been recognized to perform compliance testing on equipment subject to the Commission's Delcaration of Conformity (DoC) and Certification rules</p> <p>ISED (Company No.: 21320) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been registered and fully described in a report Field with ISED. The Company Number is 21320 and the test lab Conformity Assessment Body Identifier (CABID) is CN0046.</p> <p>VCCI (Registration No.: G-20019, R-20004, C-20012 and T-20011) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been assessed and proved to be in compliance with VCCI, the Membership No. is 3793. Facility Name: Chamber D, the VCCI registration No. is G-20019 and R-20004 Shielding Room B , the VCCI registration No. is C-20012 and T-20011</p>
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Note: All tests measurement facilities use to collect the measurement data are located at Building 10, Innovation Technology Park, Song Shan Lake Hi tech Development Zone, Dongguan, 523808, China

4. DESCRIPTION OF EUT

EUT Name	Round Sublimated Wireless Charger	
Model	#GY68	
Product Description	Operation Frequency	110 ~ 205 kHz
Rated Output Power	15 W	
Antenna type	Coil	
Ratings	Input: DC 9V 2A Output: 15W Max.	

5. REQUIREMENT

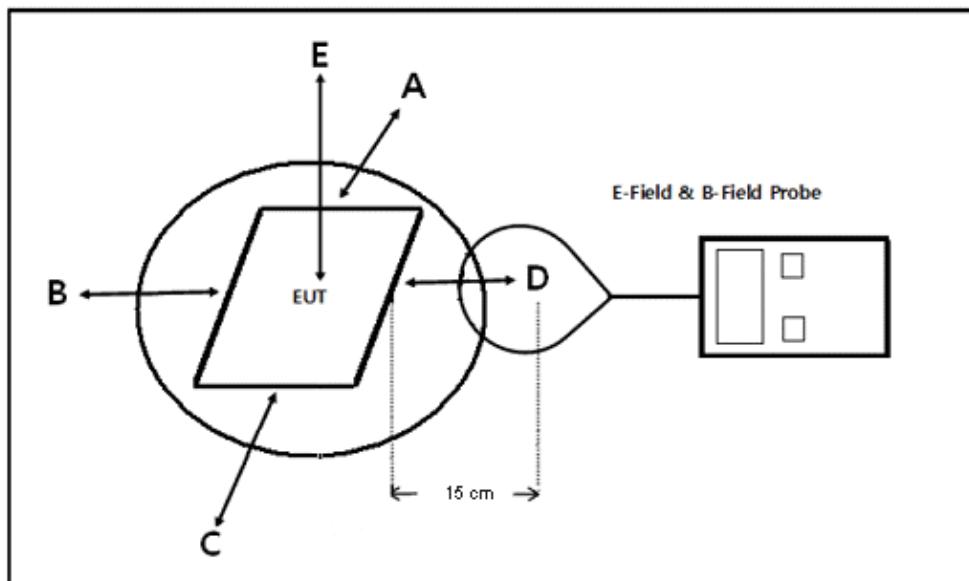
LIMIT

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

METHOD OF MEASUREMENT

- The RF exposure test was performed in shielded chamber.
- The geometric centre of probe was placed at 15 cm test distance surrounding the device, and, 15 cm & 20 cm above the top surface.
- 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 680106 D01 RF Exposure Wireless Charging App v03r01.

BLOCK DIAGRAM OF TEST SETUP



EQUIPMENT APPROVAL CONSIDERATIONS

The EUT comply with 680106 D01 RF Exposure Wireless Charging App v03r01.

- 1) Power transfer frequency is less than 1 MHz.
Yes; the device operated in the frequency range from 110 kHz to 205 kHz.
- 2) Output power from each primary coil is less than or equal to 15 watts.
Yes; the maximum output power of each primary coil is 15 watts.
- 3) The system may consist of more than one source primary coils, charging one or more clients.
If more than one primary coil is present, the coil pairs may be powered on at the same time.
Yes, the transmitter has one coil.
- 4) Client device is placed directly in contact with the transmitter.
Yes; Client device is placed directly in contact with the transmitter.
- 5) Mobile exposure conditions only (portable exposure conditions are not covered by this exclusion).
Yes; The EUT is a mobile device.
- 6) The aggregate H-field strengths anywhere at or beyond 15 cm surrounding the device, and 20 cm away from the surface from all coils that by design can simultaneously transmit, and while those coils are simultaneously energized, are demonstrated to be less than 50% of the applicable MPE limit.
Yes; The EUT's field strength levels are less than 50% of the MPE limit.

MEASURING INSTRUMENT USED

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	This Cal.	Due. Date
Electric and Magnetic Field Analyzer	Narda	EHP-200A	170WX90204	May 20, 2020	May 26, 2021	May 26, 2022

E FIELD AND H FIELD STRENGTH TEST RESULT

Test Mode	Description
Mode 1	Charging with 15 W wireless charging load (Full Load)
Mode 2	Charging with 15 W wireless charging load (Half Load)
Mode 3	Charging with 15 W wireless charging load (No Load)

Note:

All the modes had been tested, but only the worst data (Mode 1) was recorded in the report.

H-Field Strength at 15 cm from the edges surrounding the EUT and 15 cm above the top surface of the EUT (A/m)

Test Position	H-Field Strength Measure Result	Limits (A/m)
	Mode 1	
	A/m	
A	0.0393	1.63
B	0.0345	1.63
C	0.0322	1.63
D	0.0293	1.63
E	0.0812	1.63
F	0.0398	1.63

Note 1, As bottom point is not required to test for desktop devices, so we scanning all edges surrounding with 15cm distance and recorded the worst level as F.

Note 2, for test position E, we tested both 15cm and 20cm above the coil, and the worst case 15cm was recorded in above table.

Note 3: the maximum H-Field Strength is 0.0812 A/m, it is less than 0.815 (1.63*50%) A/m.

E-Field Strength at 15 cm from the edges surrounding the EUT and 15 cm above the top surface of the EUT (V/m)

Test Position	E-Field Strength Measure Result	Limits (V/m)
	Mode 1	
	V/m	
A	0.5455	614
B	0.4101	614
C	0.5252	614
D	0.5085	614
E	2.6477	614
F	0.5538	614

Note 1, As bottom point is not required to test for desktop devices, so we scanning all edges surrounding with 15cm distance and recorded the worst level as F.

Note 2, for test position E, we tested both 15cm and 20cm above the coil, and the worst case 15cm was recorded in above table.

Note 3, the maximum E-Field Strength is 2.6477 V/m, it is less than 307 (614*50%) V/m.

END OF REPORT