



FCC RF EXPOSURE

CERTIFICATION TEST REPORT

For

Car Wireless Charger

MODEL NUMBER: CHG-WIRELESS 5.0

REPORT NUMBER: 4791557282-RF-6

ISSUE DATE: December 16, 2024

FCC ID: 2AEQT-KLBC66CH0

Prepared for

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Prepared by

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Revision History

V0 Decem 2024	ber 16, Initia	l Issue	



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1. ATTESTATION OF TEST RESULTS

Applicant Information

Company Name:	Huizhou Desay SV Automotive Co., Ltd.
Address:	No.103, Hechang 5th Road West, Zhongkai National Hi-tech Industrial Development Zone, Huizhou, Guangdong, P.R. China
Manufacturer Information	
Company Name:	Huizhou Desay SV Automotive Co., Ltd.
Address:	No.103, Hechang 5th Road West, Zhongkai National Hi-tech Industrial Development Zone, Huizhou, Guangdong, P.R. China
Factory 1 Information	
Company Name:	Huizhou Desay SV Automotive Co., Ltd.
Address:	No.103, Hechang 5th Road West, Zhongkai National Hi-tech
	Industrial Development Zone, Huizhou, Guangdong, P.R. China
Factory 2 Information	
Company Name:	PT. SAT NUSAPERSADA Tbk
Address:	JI Pelita VI No. 99 Batam 29443 KEPRI - INDONESIA
EUT Information	
EUT Name:	Car Wireless Charger
Model:	CHG-WIRELESS 5.0
Brand:	DESAY SV
Sample Received Date:	November 15, 2024
Sample Status:	Normal
Sample ID:	7913847
Date of Tested:	November 15, 2024 to December 13, 2024

APPLICABLE STANDARDS		
STANDARD	TEST RESULTS	
FCC 47CFR§1.1307	PASS	
FCC 47CFR§1.1310	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§2.1091, FCC 47CFR§1.1307, FCC 47CFR§1.1310, KDB 680106 D01 Wireless Power Transfer v04.

3. FACILITIES AND ACCREDITATION

	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.			
	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			
	ISED (Company No.: 21320)			
Accreditation	UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch.			
Certificate	has been registered and fully described in a report filed with ISED.			
	The Company Number is 21320 and the test lab Conformity Assessment			
	Body Identifier (CABID) is CN0046.			
	VCCI (Registration No.: G-20192, R-20202, C-20153 and T-20155)			
	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-20192 and C-20153			
	Shielding Room B, the VCCI registration No. is C-20153 and T-20155			

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	Car Wireless Charger	
Model	CHG-WIRELESS 5.0	
Product Description	Operation Frequency	125.95 kHz and127.7 kHz
Rated Output Power	15 W	
Antenna type	Coil	
Ratings	DC 12 V	

Note 1: The EUT have 3 coils, but only 1 coil was active at one time, all the coils and circuit before antenna are the same.

Note 2: Because of the limited of the circuit, the 3 coils can't be active at the same time. Note 3: All the 3 coils were tested, but only the worst data was recorded in the report.



5. REQUIREMENT

<u>LIMIT</u>

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

The available maximum time-averaged power is no more than 1 mW, regardless of separation distance. This exemption may not be used in conjunction with other exemption criteria other than those in paragraph (b)(3)(ii)(A) of this section. Medical implant devices may only use this exemption and that in paragraph (b)(3)(ii)(A);

METHOD OF MEASUREMENT

- a) The RF exposure test was performed in shielded chamber.
- b) The geometric centre of probe was placed at 20 cm of the device.
- c) The measurement probe used to search of highest strength.
- d) The highest emission level was recorded and compared with limit as soon as measurement of each points (A, B, C, D, E) were completed.
- e) The EUT were measured according to the dictates of KDB 680106 D01 Wireless Power Transfer v04.

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.

MEASURING INSTRUMENT USED

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due. Date
Electric and Magnetic Field Analyzer	Narda	EHP-200A	170WX90204	June 13, 2024	June 12, 2025

E FIELD AND H FIELD STRENGTH TEST RESULT

Test Mode	Description
Mode 1	Charging with 15 W (1 % battery status of client device)
Mode 2	Charging with 15 W (50 % battery status of client device)
Mode 3	Charging with 15 W (99 % battery status of client device)

Note: All the modes had been tested, but only the worst data was recorded in the report.

H-Filed Strength at 20 cm of the EUT (A/m)

	H-Filed Strength Measure Result	
Test Position	Mode 1	Limits
	A/m	(//////)
A	0.086	1.63
В	0.131	1.63
С	0.174	1.63
D	0.106	1.63
E	0.232	1.63
F	0.067	1.63

E-Filed Strength at 20 cm of the EUT (V/m)

	E-Filed Strength Measure Result	
Tast Position	Mode 1	Limits
	V/m	(v/m)
A	0.417	614
В	0.408	614
С	0.411	614
D	0.401	614
E	0.437	614
F	0.409	614

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For NFC:

-Based on field strength 21.73 dBuV/m at 30m, so 61.73 dBuV/m at 3m transmit power(eirp) of the device was calculated. EIRP=61.73 dBuV/m@3m = (61.73-95.2) dBm = $_{-33.47}$ dBm = 0.0004 mW/< 1mW

EIRP=61.73 dBuV/m@3m = (61.73-95.2) dBm = -33.47 dBm = 0.0004 mW < 1mW Conducted power = (-33.47-(-5.8)) dBm = -27.67 dBm = 0.0017 mW < 1mW

Conclusion: No SAR is required.

END OF REPORT