Maximum Permissible Exposure

FCC ID	**:**	**2APXNLACC1161**
Equipment	**:**	**10W Qi Wireless Car Charger**
Brand Name	**:**	**onn.**
Model Name	**:**	**WIABLK100008847**
Applicant	**:**	**ASAP Technology(Jiangxi) Co., Ltd. Ji'an Industrial Park, Ji'an, Jiangxi, 343100 China**
Manufacturer	**:**	**ASAP Technology(JiangXi)Co., Ltd. Ji'an Industrial Park, Ji'an, Jiangxi, 343100 China**
Standard	**:**	**47 CFR Part 2.1091**

The product was received on Feb. 21, 2023, and testing was started from Feb. 27, 2023 and completed on Feb. 27, 2023. We, SPORTON INTERNATIONAL INC. Hsinhua Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in 47 CFR Part 2.1091 and shown compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. Hsinhua Laboratory, the test report shall not be reproduced except in full.

Approved by: Jackson Tsai

SPORTON INTERNATIONAL INC. Hsinhua Laboratory

No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)

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History of this test report

Report No.	Version	Description	Issued Date
FA321334	01	Initial issue of report	Apr. 07, 2023
FA321334	02	Revised typo (This report is the latest version replacing for the report issued on Apr. 07, 2023).	Apr. 10, 2023
FA321334	03	FCC ID was Modified. (This report is the latest version replacing for the report issued on Apr. 10, 2023).	Apr. 13, 2023

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
2	-	Maximum Permissible Exposure	PASS	-

Declaration of Conformity:
The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.
Comments and Explanations:
None

Reviewed by: Ben Tseng

Report Producer: Amber Chiu

1 General Description

1.1 Information

1.1.1 EUT General Information

RF General Information			
Evaluation Mode	**Frequency Range (kHz)**	**Operating Frequency (kHz)**	**Modulation Type**
SRD	111-148	127.567	FSK

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector
1	3L Electronic	13705-T0X0016R-00	Coil antenna	N/A

1.1.3 Accessories

Accessories				
Car charger	**Brand Name**	ASAP	**Model Name**	WIABLK100008847
	Power Rating	I/P: DC 12- DC 24Vac, 3 A, O/P1: 5 Vdc, 3 A, 9 Vdc, 2A, 12 Vdc, 1.5 A； O/P2: 5 Vdc, 2.4 A		
	Power Cord	0.9 meter, shielded cable, w/o ferrite core		

Reminder: Regarding to more detail and other information, please refer to user manual.

1.2 Testing Applied Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- 47 CFR Part 2.1091

The following reference test guidance is not within the scope of accreditation of TAF:

- KDB680106 D01 RF Exposure Wireless Charging Apps v03r01

1.3 Testing Location Information

Test Lab.：Sporton International Inc. Hsinhua Laboratory		
☒ Hsinhua **(TAF:** 3785**)**	**ADD:** No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)	
	TEL: 886-3-327-3456	**FAX:** 886-3-327-0973
Test site Designation No. TW3785 with FCC.		

2 Human Exposure Assessment

2.1 Maximum Permissible Exposure

2.1.1 Limit of Maximum Permissible Exposure

(A) Limits for Occupational / Controlled Exposure

Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/ cm²)	Averaging Time |E|²,|H|² or S (minutes)
0.3-3.0	614	1.63	(100)*	6
3.0-30	1842 / f	4.89 / f	(900 / f²)*	6
30-300	61.4	0.163	1.0	6
300-1500	-	-	F/300	6
1500-100,000	-	-	5	6

(B) Limits for General Population / Uncontrolled Exposure

Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/ cm²)	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/f²)*	30
30-300	27.5	0.073	0.2	30
300-1500	-	-	F/1500	30
1500-100,000	-	-	1.0	30

Note: f = frequency in MHz ; *Plane-wave equivalent power density

2.1.2 Result of Maximum Permissible Exposure

Based on 2.1091 (c) (1) Evaluation of compliance with the exposure limits in § 1.1310, and preparation of an EA if the limits are exceeded, is necessary for mobile devices with single RF sources having either more than an available maximum time-averaged power of 1 mW or more than the ERP listed in Table 1 to § 1.1307(b)(3)(i)(C), whichever is greater.

The available maximum time-averaged power is less than 1 mW, therefore the near field test is not required.

Mode	Field strength (dBuV/m)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (mW)
WPC	87.78	-7.42	0.50	0.2032

Note: For more detailed field strength measurement description, please refer to FR321334 radio test report.

3 Equipment Approval Considerations

KDB 680106 section 5. b)

(1)	Power transfer frequency is less than 1 MHz	Yes
(2)	Output power from each primary coil is less than or equal to 15 watts.	Yes
(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.	Only one coil
(4)	Client device is placed directly in contact with the transmitter.	Yes
(5)	Mobile exposure conditions only (portable exposure conditions are not covered by this exclusion).	Yes
(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.	Only one coil

———THE END———