FCC RADIO TEST REPORT

FCC ID:2AKQO-F640

Product：	Daul Wireless Charger Pad
Trade Name：	N/A
Model Name：	F640
Serial Model：	PA143A, F610, F620, F630, F650, F670, F680, F690, F280, F380, F480, F580, F680, F880, F980, F110, F120, F130, F140, F150, F160, F170, F190, F210, F220, F230, F240, F250, F260, F270, F280, F290, F310, F320, F330, F340, F350, F360, F370, F380, F390
Report No.：	UNIA19012208FR-01

Prepared for

Guangzhou Smamao Electronic Technology Co.,Ltd

Room 811, Building 8, No.315, Central City Middle Road,
Yuexiu District,Guangzhou,China

Prepared by

Shenzhen United Testing Technology Co., Ltd.

2F, Annex Bldg, Jiahuangyuan Tech Park, #365 Baotian 1 Rd, Tiegang Community, Xixiang Str, Bao'an District, Shenzhen, China

TEST RESULT CERTIFICATION

Applicant's name	:	Guangzhou Smamao Electronic Technology Co.,Ltd
Address	:	Room 811, Building 8, No.315, Central City Middle Road, Yuexiu District, Guangzhou, China
Manufacture's Name	:	Shenzhen Smacat Electronic Technology Co.,Ltd
Address	:	No.601,Building1,YangBei Industrial Zone,HuangTian,HangCheng Street,BaoAn District, ShenZhen,GuangDong,CN
Product description		
Product name	:	Daul Wireless Charger Pad
Trade Mark	:	N/A
Model and/or type reference	:	F640, PA143A, F610, F620, F630, F650, F670, F680, F690, F280, F380, F480, F580, F680, F880, F980, F110, F120, F130, F140, F150, F160, F170, F190, F210, F220, F230, F240, F250, F260, F270, F280, F290, F310, F320, F330, F340, F350, F360, F370, F380, F390
Standards	:	FCC KDB 680106 D01 RF Exposure Wireless Charging Apps v03

This device described above has been tested by Shenzhen United Testing Technology Co., Ltd., and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

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Date of Test	:	
Date (s) of performance of tests	:	Feb.15, 2019 ~Mar.04, 2019
Date of Issue	:	Mar.04, 2019
Test Result	:	Pass

Prepared by: Kahn yang/Editor

Reviewer: Sherwin Qian/Supervisor

Approved & Authorized Signer: Liuze/Manager

Note:For a more detailed features description, please refer to the manufacturer'sspecificationsor the User'sManual.

ChannelList			
Channel	Frequency(KHz)	Channel	Frequency(MHz)
01	125		

TheEUTantennaisCoilAntenna.Noantennaotherthanthatfurnishedbytheresponsibleparty shall be used with thedevice.

1. SUMMARY OF TESTRESULTS

1.1 Test procedures according to the technicalstandards:

FCC KDB 680106 D01 RF Exposure Wireless Charging Appsv03

FCC CFR 47			
Standard Section	Test Item	Judgment	Remark
FCC CFR 47 part1, 1.1310 KDB680106 D01v03(3)(3)	Electric Field Strength (E) (V/m)	PASS	
	Magnetic Field Strength (H) (A/m)	PASS	

1.2 MEASUREMENTUNCERTAINTY

The reported uncertainty of measurement **y** ±**U** , where expended uncertainty **U** is based onastandard uncertainty multiplied by a coverage factor of **k=2** , providing a level of confidenceofapproximately **95**%。

No.	Item	Uncertainty
1	Allemissions,radiated(<30M)(9KHz-30MHz)	±2.45dB
2	Temperature	±0.5°C
3	Humidity	±2%

1.3 TestInstruments

Description	Brand	Model No.	Frequency Range	Calibrated Until
Broadband Field Meter	NARDA	NBM-550	—	Jan. 01, 2020
Magnetic Field Meter	NARDA	ELT-400	1–400kHz	Jan. 01, 2020
Magnetic Probe	NARDA	HF-3061	300kHz–30MHz	Jan. 01, 2020
Magnetic Probe	NARDA	HF-0191	27–1000MHz	Jan. 01, 2020
Broadband Field Meter	NARDA	NBM-550	—	Jan. 01, 2020
Electric Field Meter	COMBINOVA	EFM 200	5Hz–400kHz	Jan. 01, 2020
E-Field Probe	NARDA	EF-0391	100kHz–3GHz	Jan. 01, 2020
E-Field Probe	NARDA	EF-6091	100MHz–60GHz	Jan. 01, 2020

NOTE:Thecalibrationintervaloftheabovetestinstrumentsis12months.

2. MAXIMUM PERMISSIBLEEXPOSURE

2.1 MAXIMUM PERMISSIBLEEXPOSURE

Limit of Maximum PermissibleExposure

Limits for Occupational / Controlled Exposure				
FrequencyRange(MHz)	ElectricFieldStrength (E)(V/m)	MagneticField 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 / f)*	6
30-300	61.4	0.163	1.0	6
300-1500			F/300	6
1500-100,000			5	6
Limits for General Population / Uncontrolled Exposure				
FrequencyRange(MHz)	ElectricFieldStrength (E)(V/m)	MagneticFieldStrength (H)(A/m)	Power Density(S)(mW/cm²)	AveragingTime |E|²,|H|² orS(minutes)
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	(180 / f)*	30
30-300	27.5	0.073	0.2	30
300-1500			F/1500	30
1500-100,000			1	30

Note 1: f = frequency in MHz ; *Plane-wave equivalent power density.

2: For the applicable limit, see FCC 1.1310, 680106 D01 RF Exposure Wireless Charging Apps v03.

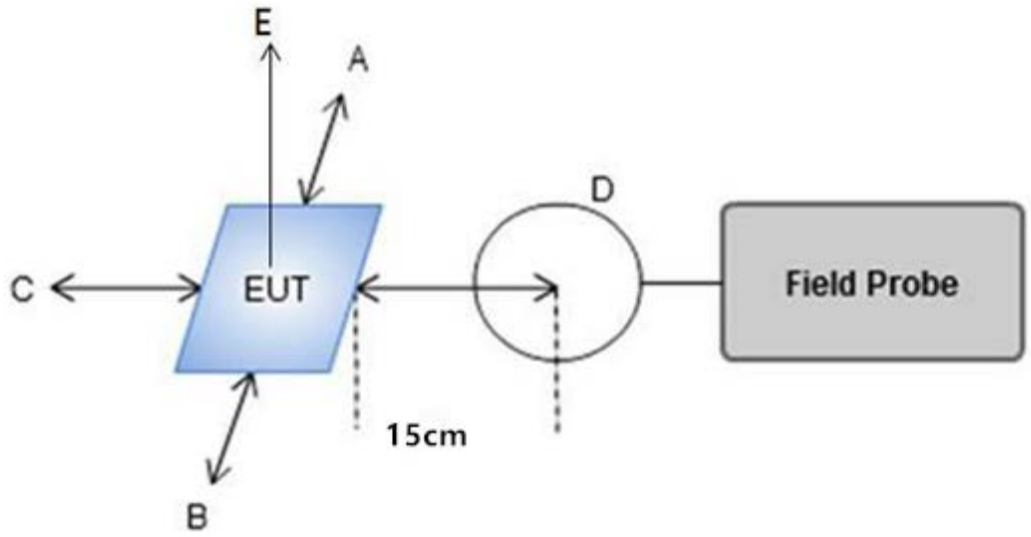
3: Emissions between 100 kHz to 300 kHz should be assessed versus the limits at 300 kHz in Table 1 of Section 1.1310: 614 V/m and 1.63 A/m. A KDB inquiry is required to determine the applicable exposure limits below 100 kHz.

3. TESTPROCEDURE

a. For devices designed for typical desktop applications, such a wireless charging pads,RFexposure evaluation should be conducted assuming a user separation distance of 15 cm.

E and H field strength measurements or numerical modeling may be used todemonstratecompliance. Measurements should be made from all sides and the top of theprimary/clientpair, with the 15 cm measured from the center of the probe(s) to the edge of thedevice.

4.1 TESTSETUP



4.2 TESTPHOTO

4.3 RESULT OF MAXIMUM PERMISSIBLEEXPOSURE

For Full load mode:

E-Filed Strength at 15 cm from the edges surrounding the EUT (V/m)

Frequency Range (MHz)	Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Reference Limit (V/m)	Limits Test (V/m)
0.125	1.24	1.07	1.12	1.14	1.18	307	614

H-Filed Strength at 15 cm from the edges surrounding the EUT (A/m)

Frequency Range (MHz)	Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Reference Limit (A/m)	Limits Test (A/m)
0.125	0.25	0.18	0.25	0.15	0.18	0.815	1.63

For Half Load for wrist band mode:

E-Filed Strength at 15 cm from the edges surrounding the EUT (V/m)

Frequency Range (MHz)	Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Reference Limit (V/m)	Limits Test (V/m)
0.125	1.14	1.19	1.17	1.18	1.17	307	614

H-Filed Strength at 15 cm from the edges surrounding the EUT (A/m)

Frequency Range (MHz)	Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Reference Limit (A/m)	Limits Test (A/m)
0.125	0.19	0.20	0.20	0.22	0.17	0.815	1.63

For Half Load for shoepodmode:

E-Filed Strength at 15 cm from the edges surrounding the EUT(V/m)

Frequency Range (MHz)	Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Reference Limit (V/m)	Limits Test (V/m)
0.125	1.15	1.18	1.21	1.17	1.19	307	614

H-Filed Strength at 15 cm from the edges surrounding the EUT(A/m)

Frequency Range (MHz)	Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Reference Limit (A/m)	Limits Test (A/m)
0.125	0.19	0.17	0.18	0.21	0.15	0.815	1.63

For No loadmode:

E-Filed Strength at 15 cm from the edges surrounding the EUT(V/m)

Frequency Range (MHz)	Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Reference Limit (V/m)	Limits Test (V/m)
0.125	1.20	1.12	1.21	1.19	1.18	307	614

H-Filed Strength at 15 cm from the edges surrounding the EUT(A/m)

Frequency Range (MHz)	Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Reference Limit (A/m)	Limits Test (A/m)
0.125	0.19	0.17	0.18	0.18	0.19	0.815	1.63

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