



**BUREAU  
VERITAS**

Test Report No.: FM190531N021

# RF EXPOSURE REPORT



Applicant	SKS metaplast Scheffer-Klute GmbH
Address	Zur Hubertushalle 4, 59846 Sundern, Germany

Manufacturer or Supplier	Shenzhen Everbest Machinery Industry Co., Ltd
Address	19th Building, 5th Region, Baiwangxin Industrial Park, SongBai Rd., Baimang, Xili, Nanshan, Shenzhen China
Product	Wireless Charging Power Bank
Brand Name	SKS
Model	+COM/UNIT
Additional Model & Model Difference	N/A
Date of tests	May 31, 2019 ~ Jul. 19, 2019

☒ 47 CFR PART 1, Subpart I, Section 1.1310

☒ KDB 680106 D01

**CONCLUSION: The submitted sample was found to COMPLY with the test requirement**

Tested by Breeze Jiang Project Engineer / EMC Department	Approved by Glyn He Supervisor/ EMC Department
	 Date: Aug. 13, 2019

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**Bureau Veritas Shenzhen Co., Ltd.**  
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## TABLE OF CONTENTS

RELEASE CONTROL RECORD .....	3
1. CERTIFICATION.....	4
2. DESCRIPTION OF SUPPORT UNITS .....	5
2.1 TEST LOCATION .....	5
2.2 DEVIATION FROM STANDARDS .....	5
2.3 ABNORMALITIES FROM STANDARD CONDITIONS.....	5
3. EQUIPMENTS USED DURING TEST .....	5
4. TEST RESULTS .....	6
4.1 RF EXPOSURE TEST .....	6
4.1.1 EUT OPERATION .....	6
4.1.2 MEASUREMENT DATA .....	7



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## RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FM190531N021	Original release	Aug. 13, 2019

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## 1. CERTIFICATION

<b>FCC ID:</b>	2ASEG-11537
<b>PRODUCT:</b>	Wireless Charging Power Bank
<b>BRAND NAME:</b>	SKS
<b>MODEL:</b>	+COM/UNIT
<b>ADDITIONAL NO.:</b>	N/A
<b>APPLICANT:</b>	SKS metaplast Scheffer-Klute GmbH
<b>STANDARDS:</b>	47 CFR PART 1, Subpart I, Section 1.1310 KDB 680106 D01



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## 2. DESCRIPTION OF SUPPORT UNITS

The EUT has been tested with associated equipment below

Description	Manufacturer	Model No.	Serial No.
Mobile phone	Apple	MQA52CH/A	/
Adapter	N/A	DC5V 2A	N/A

### 2.1 TEST LOCATION

All tests were performed at:

Bureau Veritas Shenzhen Co., Ltd. Dongguan Branch

No. 34, Chenwulu Section, Guantai Rd., Houjie Town, Dongguan City, Guangdong 523942, China

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### 2.2 DEVIATION FROM STANDARDS

None

### 2.3 ABNORMALITIES FROM STANDARD CONDITIONS

None

## 3. EQUIPMENTS USED DURING TEST

Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Car.Due date.
1	3m Semi-Anechoic Chamber	ETS-LINDGRE N	7m*4m*3m	NSEMC003	2020-03-19
2	Electric Filed Meter	Narda	Y2006	L-0017	2019-11-08

**NOTE:** 1. The test was performed in RS chamber.

2. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.

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## 4. TEST RESULTS

### 4.1 RF EXPOSURE TEST

Test Requirement: 47 CFR PART 1, Subpart I, Section 1.1310  
 Measurement Distance: 15cm  
 Test voltage: DC 5V from Adapter input AC 120V/60Hz

Limit:

Frequency range(MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm <sup>2</sup> )	Averaging time (minutes)
<b>(A) Limits for Occupational/Controlled Exposures</b>				
0.3-3.0	614	1.63	*(100)	6
3.0-30	1842/f	4.89/f	*(900/f <sup>2</sup> )	6
30-300	61.4	0.163	1.0	6
300-1500	/	/	f/300	6
1500-100.000	/	/	5	6
<b>(B) Limits for General Population/Uncontrolled Exposure</b>				
0.3-1.34	614	1.63	*(100)	30
1.34-30	824/f	2.19/f	*(180/f <sup>2</sup> )	30
30-300	27.5	0.073	0.2	30
300-1500	/	/	f/1500	30
1500-100.000	/	/	1.0	30

F=frequency in MHz  
 \*=Plane-wave equivalent power density  
 RF exposure compliance will need to be determined with respect to 1.1307(c) and (d) of the FCC rules. The emissions should be within the limits at 300kHz in Table 1 of 1.1310(use the 300kHz limits for 150kHz:614V/m,1.63A/m).

#### 4.1.1 EUT OPERATION

##### Operating Environment:

Temperature: 24.0°C Humidity: 52% RH Atmospheric Pressure: 1015 mbar

##### EUT Operation:

This device has been tested the worst status of full load and the device has been tested with mobile phone at zero charge, intermediate charge, and full charge.

**4.1.2 MEASUREMENT DATA****Output Voltage=DC 5V****Wireless radiation frequency: 110KHz ~ 205KHz****Electric Field Emissions**

Test Position	Test Distance (cm)	Probe Measure Result (V/m)	Limit (V/m)
Side 1	15	1.34	614
Side 2	15	1.08	614
Side 3	15	2.12	614
Side 4	15	1.13	614
Top	15	2.56	614
Bottom	15	1.51	614

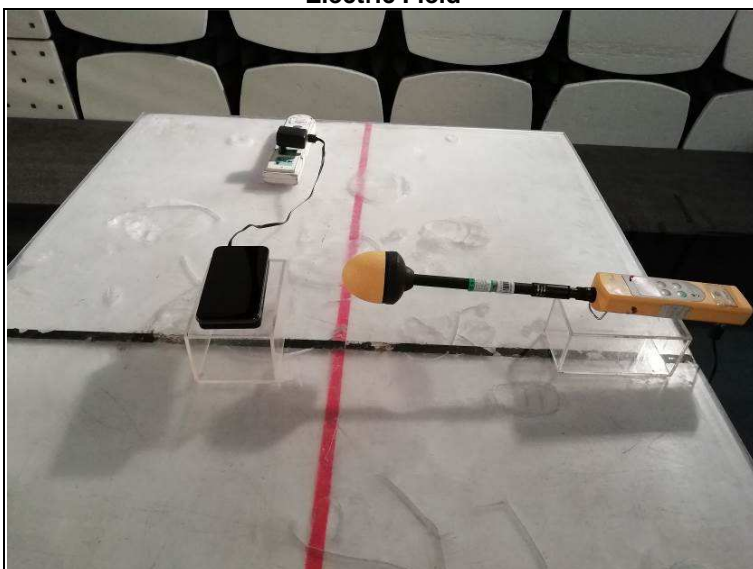
**Magnetic Field Emissions**

Test Position	Test Distance (cm)	Probe Measure Result (A/m)	Limit (A/m)
Side 1	15	0.0032	1.63
Side 2	15	0.0034	1.63
Side 3	15	0.0035	1.63
Side 4	15	0.0037	1.63
Top	15	0.0053	1.63
Bottom	15	0.0044	1.63

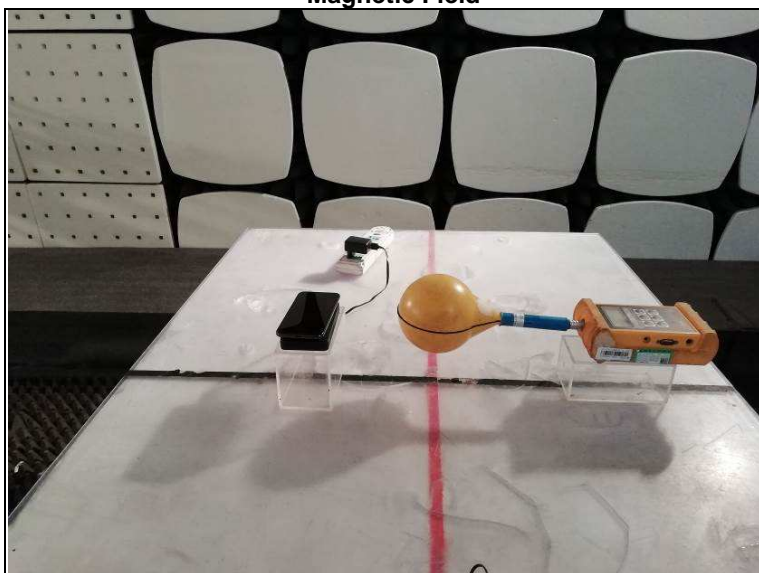
Note: All modes have been tested and we only record the worst test result in full load mode.

## PHOTOGRAPHS OF THE TEST CONFIGURATION

Electric Field



Magnetic Field



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