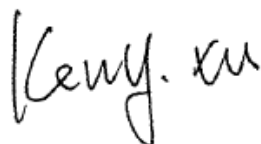


Human Exposure Report

Application No.: SZCR2105020925ET(SGS SZ No.:T52110260042EM)
Applicant: Lucky Group (H.K.) Limited
Address of Applicant: Building B, Lucky Industrial Park, Hongjin Road, Hongmei Town, Dongguan, China
Manufacturer: Shenzhen Eliteduce Technology CO., Ltd
Address of Manufacturer: Floor 3-6, XinLong Science Park, XiaWeiShui Industrial SongGang BaoAn District, Shenzhen , Guangdong, China.
Supplier: Lucky Group (H.K.) Limited
Importer: Dave & Buster's
Buyer: D&B
Equipment Under Test (EUT):
EUT Name: LED Light, Speaker & Charger
Model No.: 18801 ♣
 ♣ Please refer to section 3.1 of this report which indicates which model was actually tested and which were electrically identical.
P.O. / Ref. No.: LBC10061, LBD10125
Request Age Grading: 3+
Country of Origin: China
Country of Destination: USA
FCC ID: 2ACO3-18801
Standards: 47 CFR PART 1, Subpart I, Section 1.1310
 47 CFR PART 2, Subpart J, Section 2.1091
Date of Receipt: 2021-05-08
Date of Test: 2021-05-12 to 2021-06-09
Date of Issue: 2021-06-11

Test Result :	Pass*
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* In the configuration tested, the EUT complied with the standards specified above



Keny Xu
 EMC Laboratory Manager





<i>Revision Record</i>				
Version	Chapter	Date	Modifier	Remark
01		2021-06-11		Original

Authorized for issue by:				
		<i>powell Bao</i>		
		Powell Bao/Project Engineer		
		<i>Eric Fu</i>		
		Eric Fu/Reviewer		



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2 General Information

2.1 Details of E.U.T.

Power supply:	Powered by adapter with 5V/3A
Cable(s):	USB Type-A cable:115cm unshielded without core
Operation frequency:	Operation Frequency: 111.4kHz-159.2kHz
Modulation type:	Load modulation
Antenna type:	Loop Antenna
Remark:	This device has been tested the worst status of full load and the device has been tested with load at 5W, 7.5W and 10W, the worst case 10W is reported only.

Declaration of EUT Family Grouping:

Model No.: 18801

There are four samples. Only the white sample was tested. According to the declaration from the applicant, the electrical circuit design, layout, components used, internal wiring and functions were identical for the above models, with only difference on colour and appearance.

2.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
Adapter	XIAOMI	MDY-10-EH	REF. No.SEA05L01F
Mobile Phone	SAMSUNG	SM-G9810	REF. No.SEA16K00
Load Resistor	SGS	N/A	REF. No.SEA0600



2.3 Test Location

All tests were performed at:

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen Branch E&E Lab,

Address 1: No. 1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, Guangdong, China. 518057.

Address 2: Room 105, Building A, Xinlong Technology Industrial Park, No. 50 Fengtang Road, Xintian Community, Fuyong Street, Bao'an District, Shenzhen, China

Tel: +86 755 2601 2053 Fax: +86 755 2671 0594

No tests were sub-contracted.

2.4 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

- **A2LA (Certificate No. 3816.01)**

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 3816.01.

- **VCCI**

The 3m Fully-anechoic chamber for above 1GHz, 10m Semi-anechoic chamber for below 1GHz, Shielded Room for Mains Port Conducted Interference Measurement and Telecommunication Port Conducted Interference Measurement of SGS-CSTC Standards Technical Services Co., Ltd. have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: G-20026, R-14188, C-12383 and T-11153 respectively.

- **FCC –Designation Number: CN1178**

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized as an accredited testing laboratory.

Designation Number: CN1178. Test Firm Registration Number: 406779.

- **Innovation, Science and Economic Development Canada**

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized by ISED as an accredited testing laboratory.

CAB identifier: CN0006.

IC#: 4620C.

2.5 Deviation from Standards

None.

2.6 Abnormalities from Standard Conditions

None.



3 Equipments Used during Test

Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. Due date
1	Electric and Magnetic Field Analyzer	Narda	EHP-50F	EMC092	2021-11-26



4 Test Results

4.1 RF Exposure test

Test Requirement: 47 CFR PART 1, Subpart I, Section 1.1310
47 CFR PART 2, Subpart J, Section 2.1091

Measurement Distance: 15cm

Limit:

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
(A) Limits for Occupational/Controlled Exposures				
0.3-3.0	614	1.63	*(100)	6
3.0-30	1842/f	4.89/f	*(900/f ²)	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				
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

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 E.U.T. Operation

Operating Environment:

Temperature: 22.3 °C Humidity: 52.9 % RH Atmospheric Pressure: 1010 mbar



4.1.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Pre-scan	05	Wireless Charging mode_ Keep the EUT wireless charging(5W)
Pre-scan	06	Wireless Charging mode_ Keep the EUT wireless charging (7.5W)
Final test	03	Wireless Charging mode_ Keep the EUT wireless charging (10W)
Pre-scan	07	Wireless Charging + BT mode_Keep the EUT wireless charging (5W) and Keep Bluetooth communicating with other Bluetooth devices
Pre-scan	08	Wireless Charging + BT mode_Keep the EUT wireless charging (7.5W) and Keep Bluetooth communicating with other Bluetooth devices
Final test	09	Wireless Charging + BT mode_Keep the EUT wireless charging (10W) and Keep Bluetooth communicating with other Bluetooth devices

Remark: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.

4.1.3 Measurement Data

For test mode 03 WPC:

Output Voltage=DC 9V; The max output power =10W;

Magnetic Field Emissions:

Operation frequency	Test Distance (cm)	Test Position	Probe Measure Result (A/m)	50% Limit (A/m)
135 kHz	15	Side 1	0.2023	0.815
		Side 2	0.1835	0.815
		Side 3	0.1956	0.815
		Side 4	0.2095	0.815
		Top	0.1934	0.815



Mobile phone has been charge at zero charge, intermediate charge, and full charge.

Magnetic Field Emissions:

Operation frequency	Test Distance (cm)	Test Position	Probe Measure Result(A/m)			50%Limit (A/m)
			zero charge	intermediate charge	full charge	
135 kHz	15	Side 1	0.2274	0.1994	0.1645	0.815
		Side 2	0.2121	0.1752	0.1533	0.815
		Side 3	0.2131	0.1789	0.1625	0.815
		Side 4	0.2252	0.1922	0.1601	0.815
		Top	0.2028	0.1754	0.1554	0.815

For test mode 09:WPC+BT

Output Voltage=DC 9V; The max output power =10W;

Magnetic Field Emissions:

Operation frequency	Test Distance (cm)	Test Position	Probe Measure Result (A/m)	50% Limit (A/m)
135 kHz	15	Side 1	0.2154	0.815
		Side 2	0.1937	0.815
		Side 3	0.2019	0.815
		Side 4	0.2106	0.815
		Top	0.1978	0.815



Mobile phone has been charge at zero charge, intermediate charge, and full charge.

Magnetic Field Emissions:

Operation frequency	Test Distance (cm)	Test Position	Probe Measure Result(A/m)			50%Limit (A/m)
			zero charge	intermediate charge	full charge	
135 kHz	15	Side 1	0.2326	0.2003	0.1693	0.815
		Side 2	0.2150	0.1753	0.1574	0.815
		Side 3	0.2140	0.1809	0.1663	0.815
		Side 4	0.2274	0.1917	0.1619	0.815
		Top	0.2057	0.1743	0.1573	0.815





5 Photographs- RF exposure setup

Refer to RF Exposure Setup Photos.

- End of the Report -



SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch (CMAF) Testing Laboratory

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No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012063 f (86-755) 26710594 www.sgs.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012063 f (86-755) 26710594 sgs.china@sgs.com