Human Exposure Report

Application No.:	SZEM1907016256CR
Applicant:	Scosche Industries Inc
Address of Applicant:	1550 Pacific Ave, Oxnard, California 93033 United States
Manufacturer:	Scosche Industries Inc
Address of Manufacturer:	1550 Pacific Ave, Oxnard, California 93033 United States
Equipment Under Test (EUT):	
EUT Name:	Scosche® BaseLynx™ PAD - Wireless Charging Pad
Model No.:	BLQP
Trade Mark:	SCOSCHE
FCC ID:	IKQBLQP
Standards:	47 CFR PART 1, Subpart I, Section 1.1310
Date of Receipt:	2019-07-12
Date of Test:	2019-07-27 to 2019-08-07
Date of Issue:	2019-08-15
Test Result :	**Pass***

* In the configuration tested, the EUT complied with the standards specified above

Keny Xu
EMC Laboratory Manager

Revision Record				
Version	**Chapter**	**Date**	**Modifier**	**Remark**
01		2019-08-15		Original

Authorized for issue by:				
		Peter Geng /Project Engineer		
		Eric Fu /Reviewer		

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2 Contents

3 General Information

3.1 Details of E.U.T.

Power supply:	AC Input: 100-240V, 2.5A, 50-50Hz
	AC Output: 100-240V, 1.5A, 50-60Hz
	watch module output: 5W Max
	Qi module output: 10W Max
	3*USB A output: DC 5V/2.4A
	2*TYPE C output: DC 5V/3A, DC 9V/2A
Cable:	AC line: 150cm, unshielded
	USB-A to lightning dock cable: 30cm, shielded
	USB-C to lightning dock cable: 30cm, shielded
Antenna Type:	Loop Antenna
Modulation Type:	Load Modulation
Operation Frequency:	126.6kHz to 129.0kHz
Remark:	This product test with product which FCC ID is IKQBLAW and share the test data. The report number of FCC ID: IKQBLAW is SZEM190701625603

3.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
iPhone 8	Apple	A1863	F4GVQ656JC6D
Load Resistor	SGS	N/A	REF. No.SEA0600
SAMSUNG Galaxy S8	SAMSUNG	SM-G9500	R28J9140LPB
Watch	Apple	A1891	N/A

3.3 Test Location

All tests were performed at:

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

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

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

No tests were sub-contracted.

3.4 Test Facility

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

• CNAS (No. CNAS L2929)

CNAS has accredited SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch EMC Lab to ISO/IEC 17025:2005 General Requirements for the Competence of Testing and Calibration Laboratories (CNAS-CL01 Accreditation Criteria for the Competence of Testing and Calibration Laboratories) for the competence in the field of testing.

• 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.

3.5 Deviation from Standards

None.

3.6 Abnormalities from Standard Conditions

None.

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4 Equipments Used during Test

Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. Due date
1	Shielding Room	SAEMC	MSR733	SEM001-09	2020-05-09
2	Electric and Magnetic Field Analyzer	Narda	EHP-50F	EMC092	2020-05-06

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5 Test Results

5.1 RF Exposure test

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

Measurement Distance: 15cm/20cm

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).

5.1.1 E.U.T. Operation

Operating Environment:

Temperature: 24.5 °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.

5.1.2 Measurement Data

Pretest these modes to find the worst case:	a:TX mode_Keep the EUT in transmitting with modulation mode.(Qi module: 5W) b: TX mode_Keep the EUT in transmitting with modulation mode.(Qi module: 7.5W) c: TX mode_Keep the EUT in transmitting with modulation mode.(Qi module: 10W) d:TX mode_Keep the EUT in transmitting with modulation mode.(watch module: 5W) e: TX mode_Keep the EUT in transmitting with modulation mode.(Qi module: 5W+watch module: 5W) f: TX mode_Keep the EUT in transmitting with modulation mode.(Qi module: 7.5W+watch module: 5W) g:TX mode_Keep the EUT in transmitting with modulation mode.(Qi module: 10W+watch module: 5W)
The worst case for final test:	g:TX mode_Keep the EUT in transmitting with modulation mode.(Qi module: 10W+watch module: 5W)

Magnetic Field Emissions

Operation frequency	Test Distance (cm)	Test Position	Probe Measure Result (A/m)	50% Limit (A/m)
127.7 kHz	15	Side 1	0.1239	0.815
		Side 2	0.0582	0.815
		Side 3	0.1174	0.815
		Side 4	0.0516	0.815
	20	Top	0.0309	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	
127.7 kHz	15	Side 1	0.1342	0.1202	0.1074	0.815
		Side 2	0.0689	0.0534	0.0381	0.815
		Side 3	0.1287	0.1168	0.1036	0.815
		Side 4	0.0608	0.0495	0.0362	0.815
	20	Top	0.0346	0.0248	0.0205	0.815

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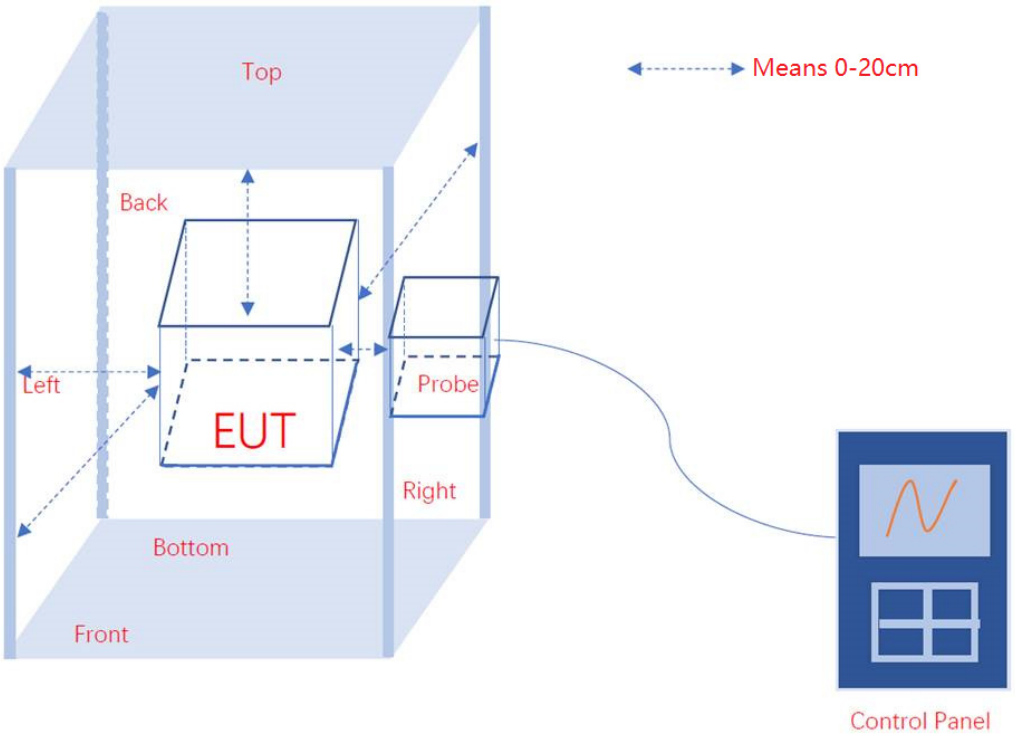
6 Photographs

6.1 Test setup photos



- End of the Report -