



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

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

Telephone: +86 (0) 755 2601 2053
Fax: +86 (0) 755 2671 0594
Email: ee.shenzhen@sgs.com

Report No.: SZEM180200116102

Page: 1 of 27

Human Exposure Report

Application No.: SZEM1802001161CR
Applicant: Scosche Industries Inc
Address of Applicant: 1550 Pacific Ave, Oxnard, California, 93033 United States
Manufacturer: Shenzhen Powerqi Technology Co., Ltd.
Address of Manufacturer: 14F No.12 Building, Zhonghaixin Science and Technology Park, Bulan Road, Buji Street, Longgang District, Shenzhen, China
Factory: Shenzhen Powerqi Technology Co., Ltd.
Address of Factory: 14F No.12 Building, Zhonghaixin Science and Technology Park, Bulan Road, Buji Street, Longgang District, Shenzhen, China
Equipment Under Test (EUT):
EUT Name: Wireless Car Charger
Model No.: MPQ2
Trade Mark: SCOSCHE
FCC ID: IKQMPQ2
Standards: 47 CFR PART 1, Subpart I, Section 1.1310
Date of Receipt: 2018-02-07
Date of Test: 2018-02-07 to 2018-02-11
Date of Issue: 2018-02-12

Test Result :	Pass*
----------------------	--------------

* This report is just a test result base on the test method and limit requirement shown in the form on the second page. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government.

Moon Zhang
Project Engineer

The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards. Any mention of SGS International Electrical Approvals or testing done by SGS International Electrical Approvals in connection with, distribution or use of the product described in this report must be approved by SGS International Electrical Approvals in writing.

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only



2 Contents

	Page
1 COVER PAGE	1
2 CONTENTS	2
3 GENERAL INFORMATION	3
3.1 DETAILS OF E.U.T.	3
3.2 DESCRIPTION OF SUPPORT UNITS	3
4 EQUIPMENTS USED DURING TEST	3
4.1 TEST LOCATION	4
4.2 TEST FACILITY	4
4.3 DEVIATION FROM STANDARDS	4
4.4 ABNORMALITIES FROM STANDARD CONDITIONS	4
5 TEST RESULTS	5
5.1 RF EXPOSURE TEST	5
5.1.1 E.U.T. Operation	5
Operating Environment:	5
EUT Operation:	5
5.1.2 Measurement Data	6
6 PHOTOGRAPHS	24
6.1 TEST PHOTOS	24-27



3 General Information

3.1 Details of E.U.T.

Power supply: AC ADAPTOR
MODEL:GW-TCQC3-A1
INPUT:100-240V~50/60Hz 0.8A MAX
OUTPUT:DC 5V 3A
DC 9V 2A
DC 12V 1.5A
CAR CHARGER:
INPUT:DC 12-24V
OUTPUT:DC 5V 2.4A
DC 9V 1.8A
DC 12V 1.4A

Cable: USB CABLE:150CM

EUT Function: wireless charging transmitter

Carrier Frequency 110-205kHz

Antenna Type Loop antenna

Modulation type: Load modulation

3.2 Description of Support Units

The EUT has been tested with associated equipment below.

Description	Manufacturer	Model No.	Serial No.
Adjustable load receiver	Provided by Client	0-10W	Adjustable load receiver
Samsung phone	Provided by Client	SM-G9500	Samsung phone

4 Equipments Used during Test

Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. Due date (yyyy-mm-dd)
1	3m Semi-Anechoic Chamber	ETS-LINDGREN	N/A	SEL0017	2018-06-10
2	Electric Field Meter	Schaffner	EMC20	EMC068	2018-03-27



4.1 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.

4.2 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.

- **Industry Canada (IC)**

Two 3m Semi-anechoic chambers and the 10m Semi-anechoic chamber of SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch EMC Lab have been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 4620C-1, 4620C-2, 4620C-3.

4.3 Deviation from Standards

None.

4.4 Abnormalities from Standard Conditions

None.



5 Test Results

5.1 RF Exposure test

Test Requirement: 47 CFR PART 1, Subpart I, Section 1.1310
Measurement Distance: 0cm, 2cm, 4cm, 6cm, 8cm, 10cm

Test voltage: AC 120V 60Hz

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: 20.0 °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.



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

Report No.: SZEM180200116102
Page: 6 of 27

5.1.2 Measurement Data

1: Output Voltage=DC 5V; The max output current =1A;Calculation of resistor value=4.0Ω

Electric Field Emissions

Test Position	Test Distance (cm)	Frequency (KHz)	Probe Measure Result (V/m)	Limit (V/m)	30% Limit (V/m)
Side 1	0	126.5	4.26	614	184.2
Side 2	0	126.5	4.65	614	184.2
Side 3	0	126.5	5.01	614	184.2
Side 4	0	126.5	3.26	614	184.2
Top	0	126.5	4.35	614	184.2
Bottom	0	126.5	4.64	614	184.2

Magnetic Field Emissions

Test Position	Test Distance (cm)	Frequency (KHz)	Probe Measure Result (A/m)	Limit (A/m)	30% Limit (A/m)
Side 1	0	126.5	0.0045	1.63	0.489
Side 2	0	126.5	0.0045	1.63	0.489
Side 3	0	126.5	0.0024	1.63	0.489
Side 4	0	126.5	0.0013	1.63	0.489
Top	0	126.5	0.0041	1.63	0.489
Bottom	0	126.5	0.0022	1.63	0.489



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

Report No.: SZEM180200116102
Page: 7 of 27

2: Output Voltage=DC 9V; The max output power =9W;Calculation of resistor value=9Ω

Electric Field Emissions

Test Position	Test Distance (cm)	Frequency (KHz)	Probe Measure Result (V/m)	Limit (V/m)	30% Limit (V/m)
Side 1	0	126.5	3.26	614	184.2
Side 2	0	126.5	4.69	614	184.2
Side 3	0	126.5	3.26	614	184.2
Side 4	0	126.5	2.31	614	184.2
Top	0	126.5	4.59	614	184.2
Bottom	0	126.5	5.21	614	184.2

Magnetic Field Emissions

Test Position	Test Distance (cm)	Frequency (KHz)	Probe Measure Result (A/m)	Limit (A/m)	30% Limit (A/m)
Side 1	0	126.5	0.0028	1.63	0.489
Side 2	0	126.5	0.0045	1.63	0.489
Side 3	0	126.5	0.0047	1.63	0.489
Side 4	0	126.5	0.0088	1.63	0.489
Top	0	126.5	0.0078	1.63	0.489
Bottom	0	126.5	0.0045	1.63	0.489



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

Report No.: SZEM180200116102
Page: 8 of 27

3: Output Voltage=DC 5V; The max output current =1A;Calculation of resistor value=4.0Ω

Electric Field Emissions

Test Position	Test Distance (cm)	Frequency (KHz)	Probe Measure Result (V/m)	Limit (V/m)	30% Limit (V/m)
Side 1	2	126.5	3.20	614	184.2
Side 2	2	126.5	4.26	614	184.2
Side 3	2	126.5	2.65	614	184.2
Side 4	2	126.5	4.26	614	184.2
Top	2	126.5	4.36	614	184.2
Bottom	2	126.5	4.35	614	184.2

Magnetic Field Emissions

Test Position	Test Distance (cm)	Frequency (KHz)	Probe Measure Result (A/m)	Limit (A/m)	30% Limit (A/m)
Side 1	2	126.5	0.0015	1.63	0.489
Side 2	2	126.5	0.0145	1.63	0.489
Side 3	2	126.5	0.0456	1.63	0.489
Side 4	2	126.5	0.0159	1.63	0.489
Top	2	126.5	0.0012	1.63	0.489
Bottom	2	126.5	0.0045	1.63	0.489



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

Report No.: SZEM180200116102
Page: 9 of 27

4: Output Voltage=DC 9V; The max output power =9W;Calculation of resistor value=9Ω

Electric Field Emissions

Test Position	Test Distance (cm)	Frequency (KHz)	Probe Measure Result (V/m)	Limit (V/m)	30% Limit (V/m)
Side 1	2	126.5	6.12	614	184.2
Side 2	2	126.5	5.21	614	184.2
Side 3	2	126.5	3.25	614	184.2
Side 4	2	126.5	4.26	614	184.2
Top	2	126.5	5.26	614	184.2
Bottom	2	126.5	4.24	614	184.2

Magnetic Field Emissions

Test Position	Test Distance (cm)	Frequency (KHz)	Probe Measure Result (A/m)	Limit (A/m)	30% Limit (A/m)
Side 1	2	126.5	0.0045	1.63	0.489
Side 2	2	126.5	0.0042	1.63	0.489
Side 3	2	126.5	0.0012	1.63	0.489
Side 4	2	126.5	0.0074	1.63	0.489
Top	2	126.5	0.0015	1.63	0.489
Bottom	2	126.5	0.0089	1.63	0.489



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

Report No.: SZEM180200116102
Page: 10 of 27

5: Output Voltage=DC 5V; The max output current =1A;Calculation of resistor value=4.0Ω

Electric Field Emissions

Test Position	Test Distance (cm)	Frequency (KHz)	Probe Measure Result (V/m)	Limit (V/m)	30% Limit (V/m)
Side 1	4	126.5	4.61	614	184.2
Side 2	4	126.5	4.36	614	184.2
Side 3	4	126.5	4.12	614	184.2
Side 4	4	126.5	2.34	614	184.2
Top	4	126.5	2.65	614	184.2
Bottom	4	126.5	4.36	614	184.2

Magnetic Field Emissions

Test Position	Test Distance (cm)	Frequency (KHz)	Probe Measure Result (A/m)	Limit (A/m)	30% Limit (A/m)
Side 1	4	126.5	0.0045	1.63	0.489
Side 2	4	126.5	0.0011	1.63	0.489
Side 3	4	126.5	0.0056	1.63	0.489
Side 4	4	126.5	0.0074	1.63	0.489
Top	4	126.5	0.0015	1.63	0.489
Bottom	4	126.5	0.0085	1.63	0.489



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

Report No.: SZEM180200116102
Page: 11 of 27

6: Output Voltage=DC 9V; The max output power =9W;Calculation of resistor value=9Ω

Electric Field Emissions

Test Position	Test Distance (cm)	Frequency (KHz)	Probe Measure Result (V/m)	Limit (V/m)	30% Limit (V/m)
Side 1	4	126.5	4.36	614	184.2
Side 2	4	126.5	3.21	614	184.2
Side 3	4	126.5	3.24	614	184.2
Side 4	4	126.5	4.26	614	184.2
Top	4	126.5	5.01	614	184.2
Bottom	4	126.5	4.36	614	184.2

Magnetic Field Emissions

Test Position	Test Distance (cm)	Frequency (KHz)	Probe Measure Result (A/m)	Limit (A/m)	30% Limit (A/m)
Side 1	4	126.5	0.0055	1.63	0.489
Side 2	4	126.5	0.0071	1.63	0.489
Side 3	4	126.5	0.0096	1.63	0.489
Side 4	4	126.5	0.0086	1.63	0.489
Top	4	126.5	0.0045	1.63	0.489
Bottom	4	126.5	0.0064	1.63	0.489



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

Report No.: SZEM180200116102
Page: 12 of 27

7: Output Voltage=DC 5V; The max output current =1A;Calculation of resistor value=4.0Ω

Electric Field Emissions

Test Position	Test Distance (cm)	Frequency (KHz)	Probe Measure Result (V/m)	Limit (V/m)	30% Limit (V/m)
Side 1	6	126.5	2.36	614	184.2
Side 2	6	126.5	3.21	614	184.2
Side 3	6	126.5	5.26	614	184.2
Side 4	6	126.5	5.12	614	184.2
Top	6	126.5	2.36	614	184.2
Bottom	6	126.5	4.21	614	184.2

Magnetic Field Emissions

Test Position	Test Distance (cm)	Frequency (KHz)	Probe Measure Result (A/m)	Limit (A/m)	30% Limit (A/m)
Side 1	6	126.5	0.0042	1.63	0.489
Side 2	6	126.5	0.0047	1.63	0.489
Side 3	6	126.5	0.0075	1.63	0.489
Side 4	6	126.5	0.0045	1.63	0.489
Top	6	126.5	0.0047	1.63	0.489
Bottom	6	126.5	0.0075	1.63	0.489



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

Report No.: SZEM180200116102
Page: 13 of 27

8: Output Voltage=DC 9V; The max output power =9W;Calculation of resistor value=9Ω

Electric Field Emissions

Test Position	Test Distance (cm)	Frequency (KHz)	Probe Measure Result (V/m)	Limit (V/m)	30% Limit (V/m)
Side 1	6	126.5	3.26	614	184.2
Side 2	6	126.5	4.58	614	184.2
Side 3	6	126.5	4.69	614	184.2
Side 4	6	126.5	4.64	614	184.2
Top	6	126.5	4.25	614	184.2
Bottom	6	126.5	4.35	614	184.2

Magnetic Field Emissions

Test Position	Test Distance (cm)	Frequency (KHz)	Probe Measure Result (A/m)	Limit (A/m)	30% Limit (A/m)
Side 1	6	126.5	0.0045	1.63	0.489
Side 2	6	126.5	0.0077	1.63	0.489
Side 3	6	126.5	0.0056	1.63	0.489
Side 4	6	126.5	0.0075	1.63	0.489
Top	6	126.5	0.0045	1.63	0.489
Bottom	6	126.5	0.0041	1.63	0.489



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

Report No.: SZEM180200116102

Page: 14 of 27

9: Output Voltage=DC 5V; The max output current =1A;Calculation of resistor value=4.0Ω

Electric Field Emissions

Test Position	Test Distance (cm)	Frequency (KHz)	Probe Measure Result (V/m)	Limit (V/m)	30% Limit (V/m)
Side 1	8	126.5	2.67	614	184.2
Side 2	8	126.5	4.25	614	184.2
Side 3	8	126.5	4.36	614	184.2
Side 4	8	126.5	4.21	614	184.2
Top	8	126.5	5.31	614	184.2
Bottom	8	126.5	5.21	614	184.2

Magnetic Field Emissions

Test Position	Test Distance (cm)	Frequency (KHz)	Probe Measure Result (A/m)	Limit (A/m)	30% Limit (A/m)
Side 1	8	126.5	0.0025	1.63	0.489
Side 2	8	126.5	0.0043	1.63	0.489
Side 3	8	126.5	0.0047	1.63	0.489
Side 4	8	126.5	0.0074	1.63	0.489
Top	8	126.5	0.0052	1.63	0.489
Bottom	8	126.5	0.0024	1.63	0.489



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

Report No.: SZEM180200116102
Page: 15 of 27

10: Output Voltage=DC 9V; The max output power =9W;Calculation of resistor value=9Ω

Electric Field Emissions

Test Position	Test Distance (cm)	Frequency (KHz)	Probe Measure Result (V/m)	Limit (V/m)	30% Limit (V/m)
Side 1	8	126.5	4.79	614	184.2
Side 2	8	126.5	4.61	614	184.2
Side 3	8	126.5	2.64	614	184.2
Side 4	8	126.5	4.25	614	184.2
Top	8	126.5	3.65	614	184.2
Bottom	8	126.5	4.25	614	184.2

Magnetic Field Emissions

Test Position	Test Distance (cm)	Frequency (KHz)	Probe Measure Result (A/m)	Limit (A/m)	30% Limit (A/m)
Side 1	8	126.5	0.0045	1.63	0.489
Side 2	8	126.5	0.0004	1.63	0.489
Side 3	8	126.5	0.0075	1.63	0.489
Side 4	8	126.5	0.0051	1.63	0.489
Top	8	126.5	0.0064	1.63	0.489
Bottom	8	126.5	0.0059	1.63	0.489



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

Report No.: SZEM180200116102
Page: 16 of 27

11: Output Voltage=DC 5V; The max output current =1A;Calculation of resistor value=4.0Ω

Electric Field Emissions

Test Position	Test Distance (cm)	Frequency (KHz)	Probe Measure Result (V/m)	Limit (V/m)	30% Limit (V/m)
Side 1	10	126.5	5.21	614	184.2
Side 2	10	126.5	3.61	614	184.2
Side 3	10	126.5	4.62	614	184.2
Side 4	10	126.5	4.36	614	184.2
Top	10	126.5	4.26	614	184.2
Bottom	10	126.5	5.42	614	184.2

Magnetic Field Emissions

Test Position	Test Distance (cm)	Frequency (KHz)	Probe Measure Result (A/m)	Limit (A/m)	30% Limit (A/m)
Side 1	10	126.5	0.0045	1.63	0.489
Side 2	10	126.5	0.0041	1.63	0.489
Side 3	10	126.5	0.0040	1.63	0.489
Side 4	10	126.5	0.0042	1.63	0.489
Top	10	126.5	0.0015	1.63	0.489
Bottom	10	126.5	0.0047	1.63	0.489



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

Report No.: SZEM180200116102
Page: 17 of 27

12: Output Voltage=DC 9V; The max output power =9W;Calculation of resistor value=9Ω

Electric Field Emissions

Test Position	Test Distance (cm)	Frequency (KHz)	Probe Measure Result (V/m)	Limit (V/m)	30% Limit (V/m)
Side 1	10	126.5	2.63	614	184.2
Side 2	10	126.5	4.41	614	184.2
Side 3	10	126.5	4.25	614	184.2
Side 4	10	126.5	4.26	614	184.2
Top	10	126.5	4.59	614	184.2
Bottom	10	126.5	5.61	614	184.2

Magnetic Field Emissions

Test Position	Test Distance (cm)	Frequency (KHz)	Probe Measure Result (A/m)	Limit (A/m)	30% Limit (A/m)
Side 1	10	126.5	0.0054	1.63	0.489
Side 2	10	126.5	0.0052	1.63	0.489
Side 3	10	126.5	0.0075	1.63	0.489
Side 4	10	126.5	0.0055	1.63	0.489
Top	10	126.5	0.0075	1.63	0.489
Bottom	10	126.5	0.0025	1.63	0.489



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

Report No.: SZEM180200116102
Page: 18 of 27

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

Electric Field Emissions

Test Position	Test Distance (cm)	Frequency (KHz)	Probe Measure Result(V/m)			Limit(V/m)/ 30%Limit(V/m)
			zero charge	intermediate charge	full charge	
Side 1	0	125.6	3.25	3.12	4.26	614/184.2
Side 2	0	125.6	4.25	4.26	5.26	614/184.2
Side 3	0	125.6	5.65	4.24	4.26	614/184.2
Side 4	0	125.6	4.26	2.36	4.32	614/184.2
Top	0	125.6	4.65	4.26	4.26	614/184.2
Bottom	0	125.6	4.26	4.25	4.25	614/184.2

Magnetic Field Emissions

Test Position	Test Distance (cm)	Frequency (KHz)	Probe Measure Result(A/m)			Limit(A/m)/ 30%Limit(A/m)
			zero charge	intermediate charge	full charge	
Side 1	0	125.6	0.0054	0.0045	0.0155	1.63/0.489
Side 2	0	125.6	0.0041	0.0075	0.0054	1.63/0.489
Side 3	0	125.6	0.0061	0.00542	0.0071	1.63/0.489
Side 4	0	125.6	0.0069	0.0274	0.0068	1.63/0.489
Top	0	125.6	0.0025	0.0075	0.0077	1.63/0.489
Bottom	0	125.6	0.0047	0.0071	0.0075	1.63/0.489



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

Report No.: SZEM180200116102
Page: 19 of 27

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

Electric Field Emissions

Test Position	Test Distance (cm)	Frequency (KHz)	Probe Measure Result(V/m)			Limit(V/m)/ 30%Limit(V/m)
			zero charge	intermediate charge	full charge	
Side 1	2	125.6	2.36	4.56	4.26	614/184.2
Side 2	2	125.6	3.25	4.26	3.25	614/184.2
Side 3	2	125.6	4.25	1.36	4.26	614/184.2
Side 4	2	125.6	4.26	4.35	6.64	614/184.2
Top	2	125.6	4.36	4.26	4.25	614/184.2
Bottom	2	125.6	4.25	2.35	5.26	614/184.2

Magnetic Field Emissions

Test Position	Test Distance (cm)	Frequency (KHz)	Probe Measure Result(A/m)			Limit(A/m)/ 30%Limit(A/m)
			zero charge	intermediate charge	full charge	
Side 1	2	125.6	0.0051	0.0015	0.0054	1.63/0.489
Side 2	2	125.6	0.0042	0.0054	0.0003	1.63/0.489
Side 3	2	125.6	0.0087	0.0087	0.0046	1.63/0.489
Side 4	2	125.6	0.0056	0.0087	0.0071	1.63/0.489
Top	2	125.6	0.0056	0.0045	0.0045	1.63/0.489
Bottom	2	125.6	0.0047	0.0056	0.0074	1.63/0.489



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

Report No.: SZEM180200116102
Page: 20 of 27

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

Electric Field Emissions

Test Position	Test Distance (cm)	Frequency (KHz)	Probe Measure Result(V/m)			Limit(V/m)/ 30%Limit(V/m)
			zero charge	intermediate charge	full charge	
Side 1	4	125.6	5.26	4.26	3.26	614/184.2
Side 2	4	125.6	2.36	3.26	4.25	614/184.2
Side 3	4	125.6	4.35	4.25	4.23	614/184.2
Side 4	4	125.6	4.56	1.35	4.25	614/184.2
Top	4	125.6	2.36	4.26	1.26	614/184.2
Bottom	4	125.6	2.65	1.65	1.35	614/184.2

Magnetic Field Emissions

Test Position	Test Distance (cm)	Frequency (KHz)	Probe Measure Result(A/m)			Limit(A/m)/ 30%Limit(A/m)
			zero charge	intermediate charge	full charge	
Side 1	4	125.6	0.0025	0.0052	0.0056	1.63/0.489
Side 2	4	125.6	0.0075	0.0456	0.0014	1.63/0.489
Side 3	4	125.6	0.0056	0.0454	0.0026	1.63/0.489
Side 4	4	125.6	0.0045	0.0041	0.0041	1.63/0.489
Top	4	125.6	0.0045	0.0045	0.0056	1.63/0.489
Bottom	4	125.6	0.0015	0.00456	0.0086	1.63/0.489



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

Report No.: SZEM180200116102
Page: 21 of 27

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

Electric Field Emissions

Test Position	Test Distance (cm)	Frequency (KHz)	Probe Measure Result(V/m)			Limit(V/m)/ 30%Limit(V/m)
			zero charge	intermediate charge	full charge	
Side 1	6	125.6	3.25	3.26	3.26	614/184.2
Side 2	6	125.6	1.26	3.25	1.35	614/184.2
Side 3	6	125.6	1.35	1.35	2.35	614/184.2
Side 4	6	125.6	4.54	4.26	3.36	614/184.2
Top	6	125.6	4.26	3.25	1.26	614/184.2
Bottom	6	125.6	3.65	4.15	3.26	614/184.2

Magnetic Field Emissions

Test Position	Test Distance (cm)	Frequency (KHz)	Probe Measure Result(A/m)			Limit(A/m)/ 30%Limit(A/m)
			zero charge	intermediate charge	full charge	
Side 1	6	125.6	0.0024	0.024	0.0074	1.63/0.489
Side 2	6	125.6	0.0057	0.0075	0.0015	1.63/0.489
Side 3	6	125.6	0.0015	0.0455	0.0052	1.63/0.489
Side 4	6	125.6	0.0055	0.0075	0.0023	1.63/0.489
Top	6	125.6	0.0025	0.0078	0.0041	1.63/0.489
Bottom	6	125.6	0.0045	0.00487	0.0055	1.63/0.489



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

Report No.: SZEM180200116102
Page: 22 of 27

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

Electric Field Emissions

Test Position	Test Distance (cm)	Frequency (KHz)	Probe Measure Result(V/m)			Limit(V/m)/ 30%Limit(V/m)
			zero charge	intermediate charge	full charge	
Side 1	8	125.6	2.36	2.54	2.65	614/184.2
Side 2	8	125.6	2.65	2.64	1.24	614/184.2
Side 3	8	125.6	2.14	2.64	2.34	614/184.2
Side 4	8	125.6	2.15	3.25	2.26	614/184.2
Top	8	125.6	2.22	4.21	4.25	614/184.2
Bottom	8	125.6	2.65	1.36	1.25	614/184.2

Magnetic Field Emissions

Test Position	Test Distance (cm)	Frequency (KHz)	Probe Measure Result(A/m)			Limit(A/m)/ 30%Limit(A/m)
			zero charge	intermediate charge	full charge	
Side 1	8	125.6	0.0054	0.0094	0.0091	1.63/0.489
Side 2	8	125.6	0.0041	0.0024	0.0086	1.63/0.489
Side 3	8	125.6	0.0061	0.0064	0.0067	1.63/0.489
Side 4	8	125.6	0.0069	0.0075	0.0068	1.63/0.489
Top	8	125.6	0.0025	0.0035	0.0075	1.63/0.489
Bottom	8	125.6	0.0047	0.0061	0.0068	1.63/0.489



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

Report No.: SZEM180200116102
Page: 23 of 27

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

Electric Field Emissions

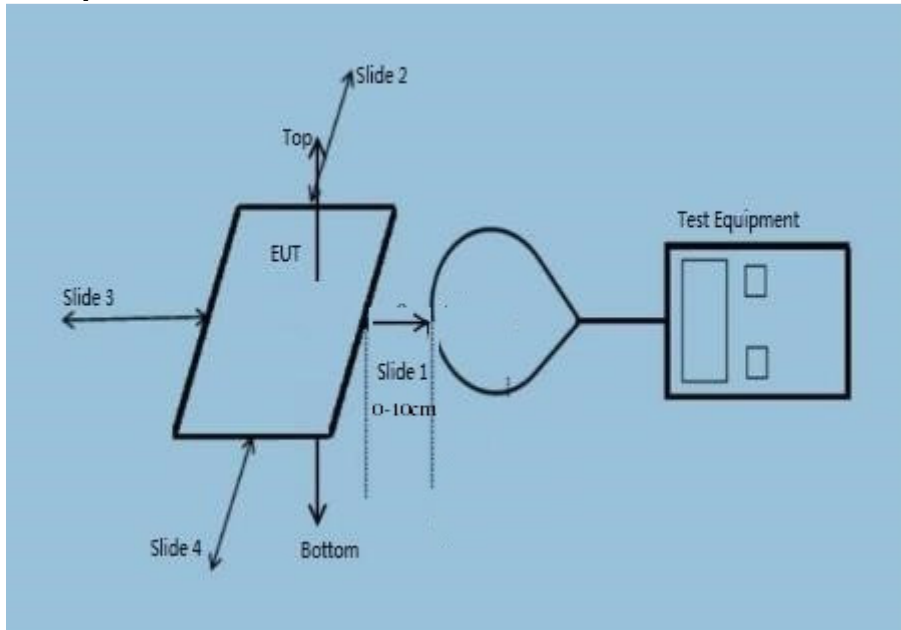
Test Position	Test Distance (cm)	Frequency (KHz)	Probe Measure Result(V/m)			Limit(V/m)/ 30%Limit(V/m)
			zero charge	intermediate charge	full charge	
Side 1	10	125.6	1.26	1.25	2.61	614/184.2
Side 2	10	125.6	1.21	1.25	2.35	614/184.2
Side 3	10	125.6	1.26	1.54	1.35	614/184.2
Side 4	10	125.6	1.32	1.34	1.26	614/184.2
Top	10	125.6	1.26	1.64	1.25	614/184.2
Bottom	10	125.6	1.26	0.98	1.26	614/184.2

Magnetic Field Emissions

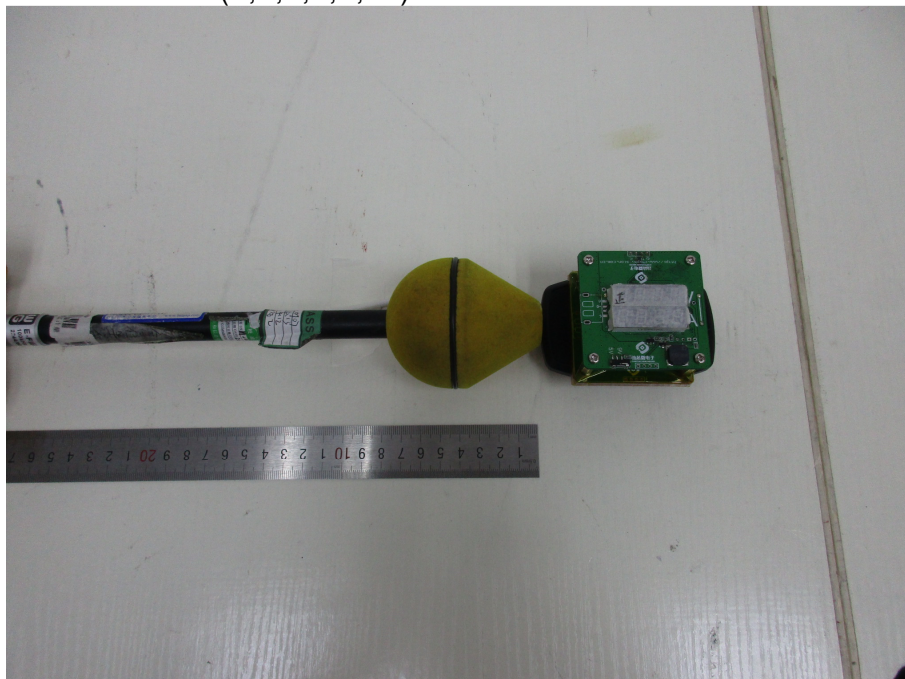
Test Position	Test Distance (cm)	Frequency (KHz)	Probe Measure Result(A/m)			Limit(A/m)/ 30%Limit(A/m)
			zero charge	intermediate charge	full charge	
Side 1	10	125.6	0.0024	0.0045	0.0045	1.63/0.489
Side 2	10	125.6	0.0010	0.0075	0.0034	1.63/0.489
Side 3	10	125.6	0.0055	0.0045	0.0015	1.63/0.489
Side 4	10	125.6	0.0045	0.0075	0.0075	1.63/0.489
Top	10	125.6	0.0015	0.0056	0.0036	1.63/0.489
Bottom	10	125.6	0.0044	0.0045	0.0075	1.63/0.489

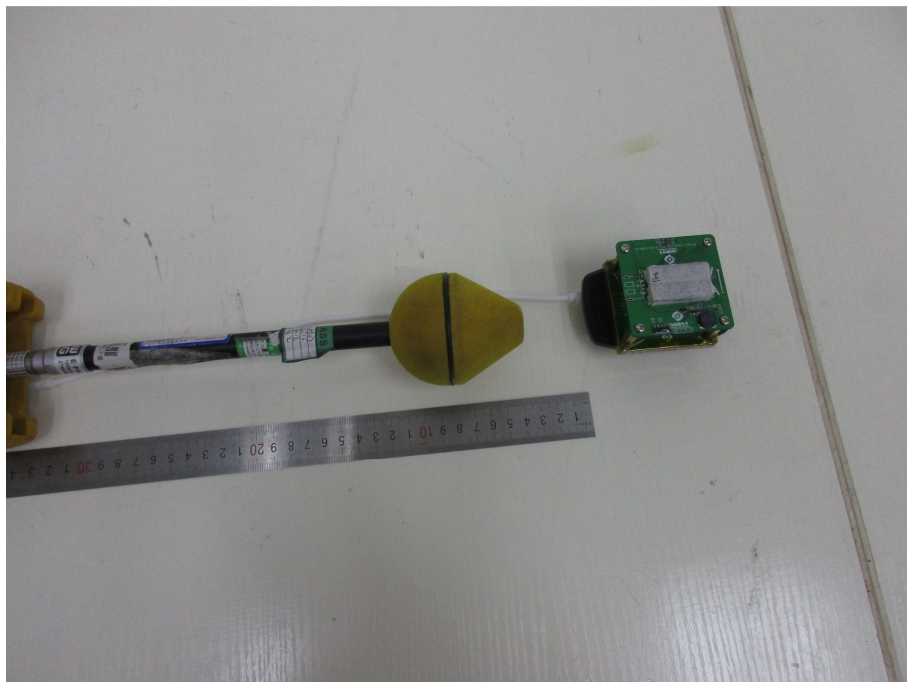
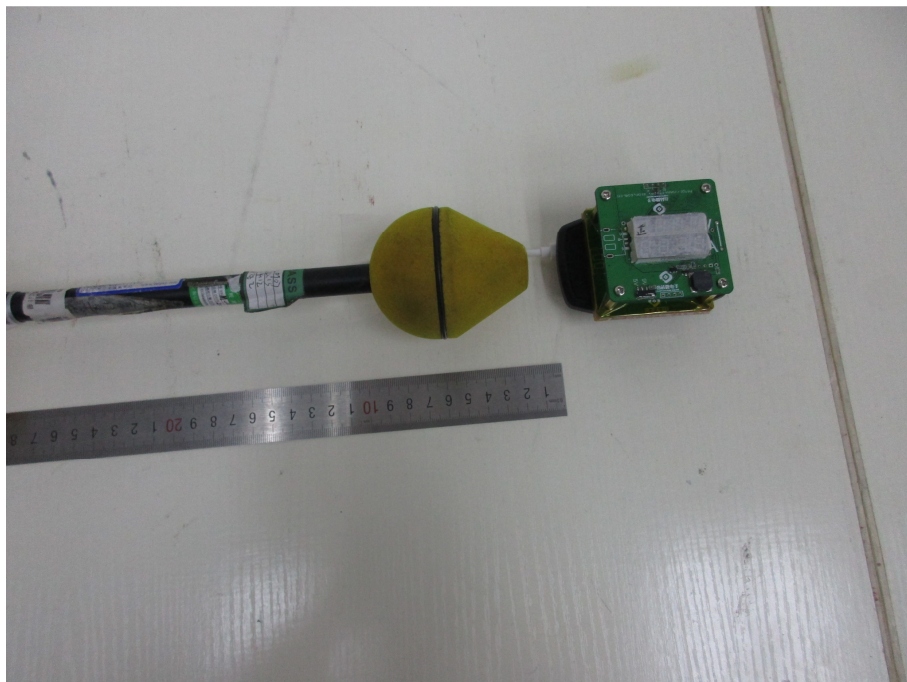
6 Photographs

6.1 Test photos



Test with load (0,2,4,6,8,10) cm

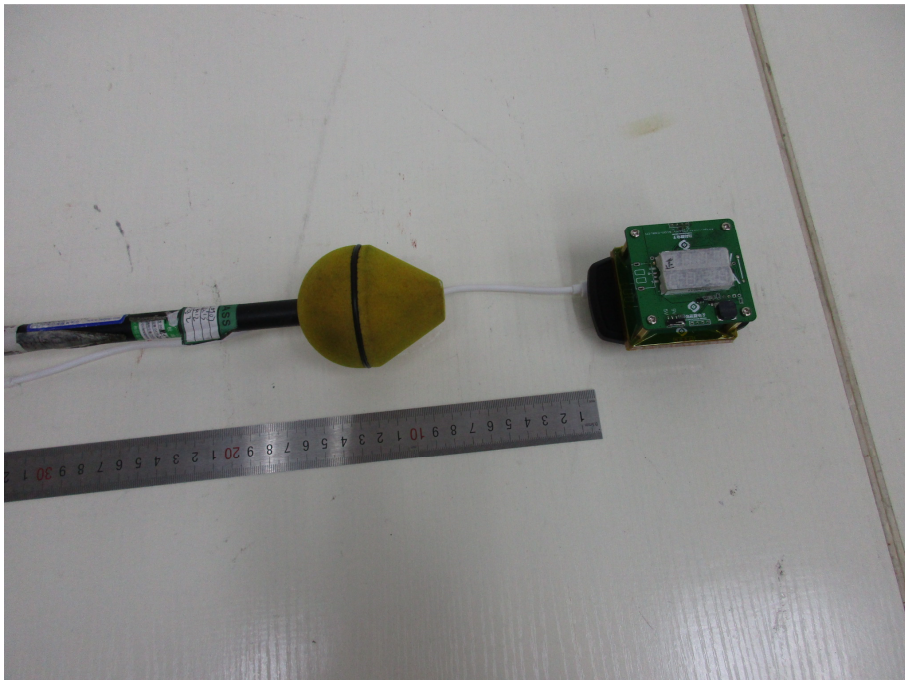
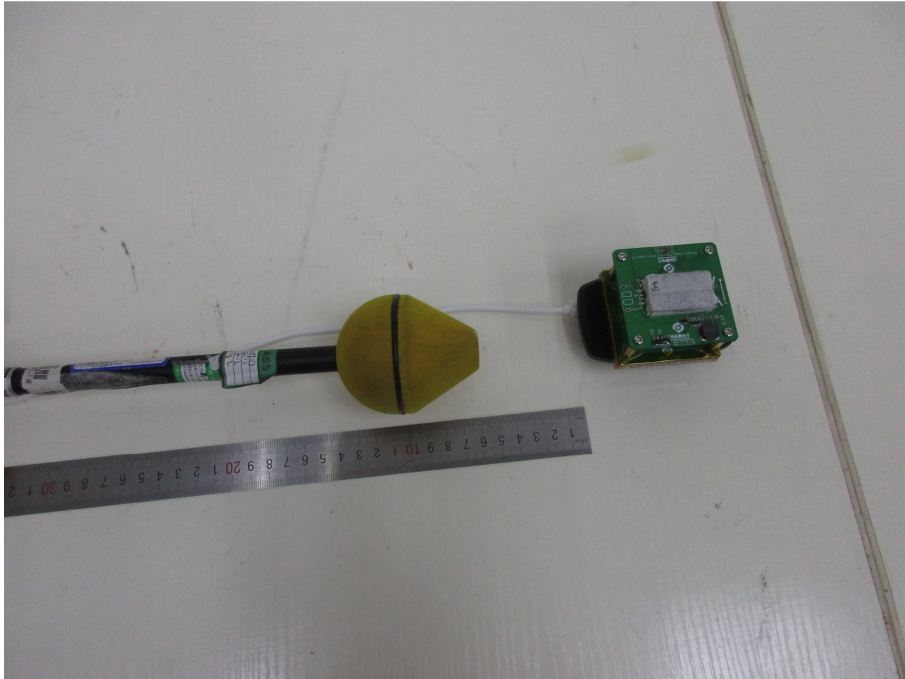






SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180200116102
Page: 26 of 27





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

Report No.: SZEM180200116102

Page: 27 of 27

