

Report No.: GZCR210802080002 Page: 1 of 13 FCC ID: 2ARIH-CATCH2ES

# **RF EXPOSURE EVALUATION REPORT**

Application No.:	GZCR2108020800AT
Applicant:	Very Great, Inc DBA Courant
Address of Applicant:	52 Mercer Street 3rd Floor, New York, 10013 United States
Manufacturer:	Very Great Inc., DBA Courant
Address of Manufacturer:	52 Mercer Street 3rd Floor, New York 10013, United States
Equipment Under Test (EUT	):
EUT Name:	CATCH:2 ESSENTIALS
Model No.:	CR-C2-ES-BK, CR-C2-ES-NT, CR-C2-ES-CM
<b>"</b>	Please refer to section 2 of this report which indicates which model was actually tested and which were electrically identical.
Trade Mark:	COURANT
Standard(s) :	47 CFR PART 1, Subpart I, Section 1.1310
	47 CFR PART 2, Subpart J, Section 2.1091
Date of Receipt:	2021-08-02
Date of Evaluation:	2021-08-03 to 2021-08-12
Date of Issue:	2021-08-30
Evaluation Result:	Pass*

\* In the configuration evaluated, the EUT complied with the standards specified above.

Kobe Jian EMC Laboratory Manager



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. 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 exconerate 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 faisification 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 30 days only. Attention: To check the authenticity of testing inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: (C) Doccheckedmens comp

No.18% Kazhu Kaat, Skeiteki Park, Gaargabou Economic & Technology Development District, Guargabou, China 510663 t (86-20) 82155555 f (86-20) 82075058 www.sgsgroup.com.cn 中国・广州・经济技术开发区科学城科珠路198号 邮编: 510663 t (86-20) 82155555 f (86-20) 82075058 sgs.china@sgs.com



EMC-TRF-03 Rev 1.0

Report No.: GZCR210802080002 Page: 2 of 13

	Revision Record					
Version	Chapter	Date	Modifier	Remark		
01		2021-08-30		Original		

Authorized for issue by		
	CJ Vu	
	Curry Wu/Project Engineer	
	Ridey Lin	
	Ricky Liu/Reviewer	



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="http://www.sgs.com/en/Terms-and-Conditions.aspx">http://www.sgs.com/en/Terms-and-Conditions.aspx</a> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="http://www.sgs.com/en/Terms-and-Conditions">http://www.sgs.com/en/Terms-and-Conditions.aspx</a> and, for electronic format documents, 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 for coursent is and obligations under the transaction document. 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 30 days only. Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: (SL Doccheck/@sps.com)

中国・广州・经济技术开发区科学城科珠路198号

or email: CN. Doccheck@sgs.com \$ C0.,Ltd. No.198 Kezhu Road, Scientech Park, Guangzhou Economic& Technology Development District, Guangzhou, China 510663 t (86–20) 82155555 f (86–20) 82075058 www.sgsgroup.com.cn

邮编: 510663 t (86-20) 82155555 f (86-20) 82075058 sgs.china@sgs.com



Report No.: GZCR210802080002 Page: 3 of 13

#### **Evaluation Summary** 2

#### Radio Spectrum Matter Part

ltem	Standard	Method	Requirement	Result
		KDB 680106 D01		
RF Exposure	47 CFR PART 1, Subpart I, Section 1.1310	TCB Workshop Presentation November 2019 RF Exposure	CFR 47 Part 1.1310	Pass

#### Note:

E.U.T./EUT means Equipment Under Test.

Pass means the test result passed the test standard requirement, please find the detailed decision rule in the report relative section.

#### **Declaration of EUT Family Grouping:**

Model No.: CR-C2-ES-BK, CR-C2-ES-NT, CR-C2-ES-CM

Only the model CR-C2-ES-BK 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 model No. and appearance color.



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-eDocument.aspx. 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 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 at the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

中国·广州·经济技术开发区科学城科珠路198号

No. 198 Kezhu Road, Scientech Park, Guangzhou Economic & Technology Development District, Guangzhou, China 510663 t (86–20) 82155555 f (86–20) 82075058 www.sgsgroup.com.cn 邮编: 510663 t (86-20) 82155555 f (86-20) 82075058 sgs.china@sgs.com



EMC-TRF-03 Rev 1.0

Report No.: GZCR210802080002 Page: 4 of 13

#### 3 Contents

1	Cove	er Page	1
2	Eval	uation Summary	3
3	Cont	ents	4
4	Gene	eral Information	5
	4.1 4.2 4.3	Details of E.U.T. Description of Support Units Measurement Uncertainty	5
5	Equi	pments Used during Test	6
	5.1 5.2 5.3 5.4	Evaluating Location Facility Deviation from Standards Abnormalities from Standard Conditions	7 8
6	Test	Results	9
	6.1.1	RF Exposure test E.U.T. Operation Measurement Data	.10
7	Phot	ographs- RF exposure Setup photos	.13



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="http://www.sgs.com/en/Terms-and-Conditions.aspx">http://www.sgs.com/en/Terms-and-Conditions.aspx</a> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="http://www.sgs.com/en/Terms-and-Conditions">http://www.sgs.com/en/Terms-and-Conditions.aspx</a> and, for electronic format documents, 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 fore exercising all their rights and obligations under the transaction document. 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 30 days only. Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443,

中国·广州·经济技术开发区科学城科珠路198号

S Co., Ltd. No. 198 Kadru Rad, Sciented Park, Gargabue Economic & Technology Development District, Guargabou, China 510663 t (86–20) 82155555 f (86–20) 82075058 www.sgsgroup.com.cn 邮编: 510663 t (86-20) 82155555 f (86-20) 82075058 sgs.china@sgs.com



Report No.: GZCR210802080002 Page: 5 of 13

#### EMC-TRF-03 Rev 1.0

#### 4 **General Information**

### 4.1 Details of E.U.T.

Power Supply:	Powered by adapter from USB-C port.			
Cable(s):	USB-A to USB-C 152cm unshielded			
Operation frequency:	114.20kHz to 157.20kHz			
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 from coil1 to coil5, The worst case in single charge is the 7.5W output of coil 3, and the worst case in double charge is the simultaneous output of coil 1 (7.5W) + coil 4 (7.5W) are reported.			

#### 4.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
AC Adapter	SAMSUNG	EP-TA200	REF. No.SEA05K03A
Mobile Phone	Nexus	MRA58K	REF. No.SEA16P00
Mobile Phone	Nexus	MRA58K	REF. No.SEA16P01
iPhone 8	Apple	A1863	REF. No.SEA16J00
iPhone 8	Apple	A1863	REF. No.SEA16J01
SAMSUNG Galaxy S8	SAMSUNG	SM-G9500	REF. No.SEA16M00
SAMSUNG Galaxy S8	SAMSUNG	SM-G9500	REF. No.SEA16M01
E-loading	SGS	N/A	REF. No.SEA42A00
E-loading	SGS	N/A	REF. No.SEA42A01

#### 4.3 Measurement Uncertainty

Test Item	Measurement Uncertainty
RF Exposure Evaluation	MF: 0.13dB, EF: 0.4dB



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="http://www.sgs.com/en/Terms-and-Conditions.aspx">http://www.sgs.com/en/Terms-and-Conditions.aspx</a> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="http://www.sgs.com/en/Terms-and-Conditions.aspx">http://www.sgs.com/en/Terms-and-Conditions.aspx</a> and, for electronic format documents, 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 fore-crising all their rights and obligations under the transaction document. 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 30 days only. Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443,

中国 · 广州 · 经济技术开发区科学城科珠路198号

Co.,Ltd. [No.196 Kezhu Koad, Scientich Park, Gangzhou Economic & Technology Development District, Guangzhou, China 510663 t (86–20) 82155555 f (86–20) 82075058 www.sgsgroup.com.cn 邮编: 510663 t (86-20) 82155555 f (86-20) 82075058 sgs.china@sgs.com



EMC-TRF-03 Rev 1.0

Report No.: GZCR210802080002 Page: 6 of 13

#### **Equipments Used during Test** 5

RF Exposure					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
743 Compact 3m Semi- Anechoic Chamber	ChangZhou ZhongYu	N/A	EMC0525	2019-10-20	2022-10-19
Electric and Magnetic Field Analyzer	Narada	NBM-550	EMC2143	2020-01-07	2022-01-06
Probe	Narada	EHP-50F	EMC2143	2020-01-07	2022-01-06

General used equipme	ent				
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
DMM	Fluke	73	EMC0006	2021-07-08	2022-07-07
DMM	Fluke	73	EMC0007	2021-07-08	2022-07-07



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="http://www.sgs.com/en/Terms-and-Conditions.aspx">http://www.sgs.com/en/Terms-and-Conditions.aspx</a> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="http://www.sgs.com/en/Terms-and-Conditions">http://www.sgs.com/en/Terms-and-Conditions.aspx</a> and, for electronic format documents, 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 fore exercising all their rights and obligations under the transaction document. 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 30 days only. Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443,

中国 · 广州 · 经济技术开发区科学城科珠路198号

No. 198 Kezh Road, Scientech Park, Guangzhou Economic & Technology Development District, Guangzhou, China. 510663 t (86–20) 82155555 f (86–20) 82075058 www.sgsgroup.com.cn 邮编: 510663 t (86-20) 82155555 f (86-20) 82075058 sgs.china@sgs.com



FMC-TRF-03 Rev 1.0 Report No.: GZCR210802080002 Page: 7 of 13

#### 5.1 Evaluating Location

All tests were performed at:

SGS-CSTC Standards Technical Services Co., Ltd., Guangzhou Branch EMC Laboratory, 198 Kezhu Road, Scientech Park, Guangzhou Economic & Technology Development District, Guangzhou, China 510663 Tel: +86 20 82155555 Fax: +86 20 82075059

No tests were sub-contracted.

#### 5.2 Facility

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

#### • NVLAP (Lab Code: 200611-0)

SGS-CSTC Standards Technical Services Co., Ltd., Guangzhou EMC Laboratory is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP/NIST). NVLAP Code: 200611-0.

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.

#### ACMA

SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory can also perform testing for the Australian/New Zealand Regulatory Compliance Mark (RCM).

#### • SGS UK(Certificate No.: 32), SGS-TUV SAARLAND and SGS-FIMKO

Have approved SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory as a supplier of EMC TESTING SERVICES and SAFETY TESTING SERVICES.

#### CNAS (Lab Code: L0167)

SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory has been assessed and in compliance with CNAS-CL01:2018 accreditation criteria for testing laboratories (identical to

#### ISO/IEC 17025:2017 General Requirements) for the Competence of Testing Laboratories.

#### FCC Recognized Accredited Test Firm(Registration No.: 486818)

SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory has been accredited and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Designation Number: CN5016, Test Firm Registration Number: 486818.

#### ISED (Registration No.: 4620B, CAB identifier: CN0052)

SGS-CSTC Standards Technical Services Co., Ltd., has been registered by Innovation Science and Economic Development Canada for Wireless Device Testing laboratories to test to Canadian radio equipment requirements. Registration No. 4620B, CAB identifier: CN0052.

#### • VCCI (Registration No.: R-12460, C-12584, G-20107 and T-11179)

The 10m Semi-anechoic chamber, 966 Anechoic Chamber and Shielded Room of SGS-CSTC Standards Technical Services Co., Ltd. have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: R-12460, C-12584, G-20107 and T-11179 respectively.

#### CBTL (Lab Code: TL129)

SGS-CSTC Standards Technical Services Co., Ltd., E&E Laboratory has been assessed and fully comply with the requirements of ISO/IEC 17025:2017, the Basic Rules, IECEE 01 and Rules of procedure IECEE 02, and the relevant IECEE CB-Scheme Operational documents.



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="http://www.sgs.com/en/Terms-and-Conditions.aspx">http://www.sgs.com/en/Terms-and-Conditions.aspx</a> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="http://www.sgs.com/en/Terms-and-Conditions/Terms-en-Document.aspx">http://www.sgs.com/en/Terms-and-Conditions/Terms-en-Document.aspx</a>. Attention is drawn to the limitation or 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 cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or faisification of the content or appearance of this document is stated there sults shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only. Attention: To check the authenticity of testing lang unspecificate entry is a secretificate, please contact us at telehone; (66-755) 83071443.

中国·广州·经济技术开发区科学城科珠路198号

No. 198 Kezhu Road, Scientech Park, Guangzhou Economic & Technology Development District, Guangzhou, China 510663 t (86-20) 82155555 f (86-20) 82075058 www.sgsgroup.com.cn 邮编: 510663 t (86-20) 82155555 f (86-20) 82075058 sgs.china@sgs.com



EMC-TRF-03 Rev 1.0 Report No.: GZCR210802080002 Page: 8 of 13

#### 5.3 Deviation from Standards

None

5.4 Abnormalities from Standard Conditions None



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="http://www.sgs.com/en/Terms-and-Conditions.aspx">http://www.sgs.com/en/Terms-and-Conditions.aspx</a> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="http://www.sgs.com/en/Terms-and-Conditions">http://www.sgs.com/en/Terms-and-Conditions.aspx</a> and, for electronic format documents, 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 fore exercising all their rights and obligations under the transaction document. 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 30 days only. Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443,

中国·广州·经济技术开发区科学城科珠路198号

No. 198 Kezh Road, Scientech Park, Guangzhou Economic & Technology Development District, Guangzhou, China. 510663 t (86–20) 82155555 f (86–20) 82075058 www.sgsgroup.com.cn 邮编: 510663 t (86-20) 82155555 f (86-20) 82075058 sgs.china@sgs.com



Report No.: GZCR210802080002 Page: 9 of 13

FMC-TRF-03

#### **Test Results** 6

#### 6.1 RF Exposure test

Rev 1.0

Test Requirement:	47 CFR PART 1, Subpart I, Section 1.1310
Measurement Distance:	15/20cm
Limit:	

According to FCC Part1.1310: The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation as specified in Part1.1307(b)

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm <sup>2</sup> )	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 <sup>2</sup> )	6			
30-300	61.4	0.163	1.0	6			
300-1500	/	/	f/300	6			
1500-100,000	/	/	5	6			
	(B) Limits for Genera	I Population/Uncontrolle	ed Exposure				
0.3-1.34	614	1.63	*(100)	30			
1.34-30	824/f	2.19/f	*(180/f²)	30			
30-300	27.5	0.073	0.2	30			
300-1500	/	/	f/1500	30			
1500-100,000	/	1	1.0	30			

TABLE 1—LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MP	Έ)
---	----

F=frequency in MHz

检验检测专用章

\*=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).

According to IEEE C95.3:2002 section 5.5.1.1, The power density S at a point on the axis at a distance d from a transmitting antenna is given by the Friis free-space transmission formula

$$S = \frac{PG}{4\pi d^2} \qquad \begin{array}{l} S = power \ density \ (mW/cm^2) \\ P = the \ net \ power \ delivered \ two \\ G = gain \ of \ the \ antenna \ in \ lin \\ d = \ distance \ between \ observ. \end{array}$$

net power delivered to the antenna (mW)

- in of the antenna in linear scale
- distance between observation point and center of the radiator (cm)

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="http://www.sgs.com/en/Terms-and-Conditions.aspx">http://www.sgs.com/en/Terms-and-Conditions.aspx</a> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx">http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx</a>. 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 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 and befinded and befinded and such sample(s) are retained for 30 days only. Attention: To check the authenticity of testing unspecifien report & certificate, nearse order us at telephone: (86-755) 8307 1443. N.199 Kebit Med. Skattetch Park, Guangzhou Economic & Technology Development District, Guangzhou, China 510663 t (86–20) 82155555 f (86–20) 82075058 www.sgsgroup.com.cn

中国·广州·经济技术开发区科学城科珠路198号 邮编: 510663 t (86-20) 82155555 f (86-20) 82075058 sgs.china@sgs.com



EMC-TRF-03 Rev 1.0 Report No.: GZCR210802080002 Page: 10 of 13

#### 6.1.1 E.U.T. Operation

**Operating Environment:** 

Temperature: Atmospheric Pressure: 995 24.5 °C Humidity: 53.6% RH mbar

**EUT** Operation:

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



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="http://www.sgs.com/en/Terms-and-Conditions.aspx">http://www.sgs.com/en/Terms-and-Conditions.aspx</a> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx">http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx</a>. 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 document. 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 analytical 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 30 days only. Attention: To check the authenticity of testing unspecifican report & certificate, nearse contact us at thephoner. (86-755) 8307 1443. ne: (86-755) 8307 1443

中国·广州·经济技术开发区科学城科珠路198号

No. 198 Keshin Read, Scientech Park, Guangzhou Economic & Technology Development District, Guangzhou, China 510663 t (86–20) 82155555 f (86–20) 82075058 www.sgsgroup.com.cn 邮编: 510663 t (86-20) 82155555 f (86-20) 82075058 sgs.china@sgs.com



EMC-TRF-03 Rev 1.0

Report No.: GZCR210802080002 Page: 11 of 13

#### 6.1.2 Measurement Data

Single charge:

#### Output Voltage=DC 5V; The max output power =7.5W;

#### Magnetic Field Emissions

Operation frequency	Test Distance (cm)	Test Position	Probe Measure Result (A/m)	50% Limit (A/m)
125 kHz	15	Side 1	0.0318	0.815
		Side 2	0.0289	0.815
		Side 3	0.0333	0.815
		Side 4	0.0226	0.815
		Тор	0.0309	0.815

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

#### Magnetic Field Emissions

Operation	Test	Test	Probe	50%Limit		
	Distance (cm)	Position	zero charge	intermediate charge	full charge	(A/m)
125 kHz 15		Side 1	0.0342	0.0287	0.0228	0.815
		Side 2	0.0310	0.0261	0.0207	0.815
	Side 3	0.0358	0.0301	0.0239	0.815	
		Side 4	0.0242	0.0204	0.0162	0.815
		Тор	0.0332	0.0279	0.0222	0.815



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="http://www.sgs.com/en/Terms-and-Conditions.aspx">http://www.sgs.com/en/Terms-and-Conditions.aspx</a> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx">http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx</a>. 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 30 days only. Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443,

中国・广州・经济技术开发区科学城科珠路198号

or email: CN. Doccheck@sgs.com No.198 Kezhu Road, Scientech Park, Guangzhou Economic & Technology Development District, Guangzhou, China 510663 t (86–20) 82155555 f (86–20) 82075058 www.sgsgroup.com.cn

邮编: 510663 t (86-20) 82155555 f (86-20) 82075058 sgs.china@sgs.com



EMC-TRF-03 Rev 1.0

Report No.: GZCR210802080002 Page: 12 of 13

Double charge

#### Output Voltage=DC 12V; The max output power =7.5W + 7.5W;

#### **Magnetic Field Emissions**

Operation frequency	Test Distance (cm)	Test Position	Probe Measure Result (A/m)	50% Limit (A/m)
125 kHz	15	Side 1	0.0324	0.815
		Side 2	0.0301	0.815
		Side 3	0.0403	0.815
		Side 4	0.0461	0.815
	20	Top (Coil 1)	0.0414	0.815
	20	Top (Coil 4)	0.0418	0.815

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

Operation	Test	Test	Probe	50%Limit		
frequency	Distance (cm)	Position	zero charge	intermediate charge	full charge	(A/m)
125 kHz	15	Side 1	0.0381	0.0352	0.0254	0.815
		Side 2	0.0355	0.0331	0.0287	0.815
		Side 3	0.0461	0.0436	0.0262	0.815
		Side 4	0.0430	0.0415	0.0268	0.815
	20	Top (Coil 1)	0.0471	0.0459	0.0313	0.815
	20	Top (Coil 4)	0.0462	0.0451	0.0325	0.815

#### Magnetic Field Emissions



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="http://www.sgs.com/en/Terms-and-Conditions.aspx">http://www.sgs.com/en/Terms-and-Conditions.aspx</a> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx">http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx</a>. 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 30 days only. Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443,

中国・广州・经济技术开发区科学城科珠路198号

or email: CN.Doccheck@sgs.com No.198 Kezhu Road, Scientech Park, Guangzhou Economic & Technology Development District, Guangzhou, China 510663 t (86–20) 82155555 f (86–20) 82075058 www.sgsgroup.com.cn

邮编: 510663 t (86-20) 82155555 f (86-20) 82075058 sgs.china@sgs.com



EMC-TRF-03 Rev 1.0 Report No.: GZCR210802080002 Page: 13 of 13

#### 7 Photographs- RF exposure Setup photos

Refer to Appendix\_RF Exposure SetupPhoto for GZCR2108020800AT.

- End of the Report -



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="http://www.sgs.com/en/Terms-and-Conditions.aspx">http://www.sgs.com/en/Terms-and-Conditions.aspx</a> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx">http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx</a>. 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 analwful 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 30 days only. Attention, To check the authenticity of testing (inspection report & certificate, please contact us at telephone: (86-755) 8307 1443. ne: (86-755) 8307 1443

中国·广州·经济技术开发区科学城科珠路198号

No. 198 Kezh Road, Scientech Park, Guangzhou Economic & Technology Development District, Guangzhou, China. 510663 t (86–20) 82155555 f (86–20) 82075058 www.sgsgroup.com.cn 邮编: 510663 t (86-20) 82155555 f (86-20) 82075058 sgs.china@sgs.com