



Human Exposure Report

Application No.: SZEM1910019704CR
Applicant: Shenzhen Vaydeer Technology Co.,Ltd.
Address of Applicant: 2/F,Building5,Tiankou Industrial Zone Huangtian,Hangcheng,Bao'an District, Shenzhen, China
Manufacturer: Shenzhen Vaydeer Technology Co.,Ltd.
Address of Manufacturer: 2/F,Building5,Tiankou Industrial Zone Huangtian,Hangcheng,Bao'an District, Shenzhen, China
Factory: Shenzhen Vaydeer Technology Co.,Ltd.
Address of Factory: 2/F,Building5,Tiankou Industrial Zone Huangtian,Hangcheng,Bao'an District, Shenzhen, China
Equipment Under Test (EUT):
EUT Name: Multi-function Monitor Stand Riser
Model No.: ZG603
Trade Mark: Vaydeer
FCC ID: 2AU7X-ZG603
Standards: 47 CFR PART 1, Subpart I, Section 1.1310
47 CFR PART 2, Subpart J, Section 2.1091
Date of Receipt: 2019-10-30
Date of Test: 2020-10-28 to 2020-11-03
Date of Issue: 2020-11-23

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

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

Keny Xu

Keny Xu
EMC Laboratory Manager



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

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-e-Documents.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 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, or email: CN.Doccheck@sgs.com

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2020-11-23		Original

Authorized for issue by:			
		Bill Chen	
		Bill Chen/Project Engineer	
		Eric Fu	
		Eric Fu/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 <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 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, or email: CN.Doccheck@sgs.com

SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Testing Center EEC Laboratory

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



1 Contents

	Page
1 COVER PAGE	1
1 CONTENTS	3
2 GENERAL INFORMATION.....	4
2.1 DETAILS OF E.U.T.	4
2.2 DESCRIPTION OF SUPPORT UNITS	4
2.3 TEST LOCATION	5
2.4 TEST FACILITY.....	5
2.5 DEVIATION FROM STANDARDS.....	5
2.6 ABNORMALITIES FROM STANDARD CONDITIONS.....	5
3 EQUIPMENTS USED DURING TEST	6
4 TEST RESULTS	7
4.1 RF EXPOSURE TEST	7
4.1.1 E.U.T. Operation.....	7
Operating Environment:	7
EUT Operation:	7
4.1.2 Measurement Data	8-13





2 General Information

2.1 Details of E.U.T.

Power Supply:	Power adapter: Model: XY-0029B Input: AC 100-240V 50/60Hz 0.5A Max Output: DC 5.0V/3A,9V/2A,12V/1.5A Wireless Charging; Input:DC 5.0V/3A,9V/2A,12V/1.5A Output:5W/7.5W/10W
Cable:	Type C cable:150cm shielded
Operation Frequency:	115.3846kHz to 147.2756kHz
Modulation Type:	Load Modulation
Antenna Type:	Loop Antenna
Remark:	Tests were conducted in all three load modes and the worst case5W is reported only.

2.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
Adapter	XIAOMI	MDY-10-EH	AA61904Q207433G
iPhone 8	Apple	A1863	F4GVQ656JC6D
SAMSUNG Galaxy S8	SAMSUNG	SM-G9500	R28J9140LPB



2.3 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.

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.



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-e-Documents.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 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, or email: CN.Doccheck@sgs.com

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



3 Equipments Used during Test

Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. Due date (yyyy-mm-dd)
1	10m Semi-Anechoic Chamber	SAEMC	FSAC1018	SEM001-03	2020-11-09
2	Electric Field Meter	Schaffner	EMC20	EMC068	2020-11-27



SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Testing Center EMC Laboratory

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-e-Documents.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 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, or email: CN.Doccheck@sgs.com

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

4 Test Results

4.1 RF Exposure test

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

Measurement Distance: 0/2/4/6/8/10/15cm

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: 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



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-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 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, or email: CN.Doccheck@sgs.com
 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

mobile phone at zero charge, intermediate charge, and full charge.

4.1.2 Measurement Data

Output Voltage=DC 5V; The max output power =5W;Calculation of resistor value=5Ω

Magnetic Field Emissions

Operation frequency	Test Distance (cm)	Test Position	Probe Measure Result (A/m)	50% Limit (A/m)
138 kHz	0	Side 1	0.3048	0.815
		Side 2	0.1580	0.815
		Side 3	0.3672	0.815
		Side 4	0.1709	0.815
		Top	0.4087	0.815

Magnetic Field Emissions

Operation frequency	Test Distance (cm)	Test Position	Probe Measure Result (A/m)	50% Limit (A/m)
138 kHz	2	Side 1	0.2686	0.815
		Side 2	0.1219	0.815
		Side 3	0.3312	0.815
		Side 4	0.1381	0.815
		Top	0.3756	0.815



Magnetic Field Emissions

Operation frequency	Test Distance (cm)	Test Position	Probe Measure Result (A/m)	50% Limit (A/m)
138 kHz	4	Side 1	0.2372	0.815
		Side 2	0.0890	0.815
		Side 3	0.2949	0.815
		Side 4	0.1076	0.815
		Top	0.3388	0.815

Magnetic Field Emissions

Operation frequency	Test Distance (cm)	Test Position	Probe Measure Result (A/m)	50% Limit (A/m)
138 kHz	6	Side 1	0.2016	0.815
		Side 2	0.0529	0.815
		Side 3	0.2616	0.815
		Side 4	0.0742	0.815
		Top	0.3039	0.815

Magnetic Field Emissions

Operation frequency	Test Distance (cm)	Test Position	Probe Measure Result (A/m)	50% Limit (A/m)
138 kHz	8	Side 1	0.1687	0.815
		Side 2	0.0396	0.815
		Side 3	0.2292	0.815
		Side 4	0.0571	0.815
		Top	0.2706	0.815



Magnetic Field Emissions

Operation frequency	Test Distance (cm)	Test Position	Probe Measure Result (A/m)	50% Limit (A/m)
138 kHz	10	Side 1	0.1249	0.815
		Side 2	0.0282	0.815
		Side 3	0.1767	0.815
		Side 4	0.0384	0.815
		Top	0.2109	0.815

Magnetic Field Emissions

Operation frequency	Test Distance (cm)	Test Position	Probe Measure Result (A/m)	50% Limit (A/m)
138 kHz	15	Side 1	0.0693	0.815
		Side 2	0.0248	0.815
		Side 3	0.1091	0.815
		Side 4	0.0265	0.815
		Top	0.1284	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	
138 kHz	0	Side 1	0.3141	0.3018	0.2973	0.815
		Side 2	0.1678	0.1539	0.1503	0.815
		Side 3	0.3760	0.3652	0.3607	0.815
		Side 4	0.1806	0.1641	0.1604	0.815
		Top	0.4202	0.4083	0.4042	0.815

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	
138 kHz	2	Side 1	0.2787	0.2678	0.2632	0.815
		Side 2	0.1348	0.1225	0.1178	0.815
		Side 3	0.3441	0.3280	0.3229	0.815
		Side 4	0.1480	0.1348	0.1301	0.815
		Top	0.3856	0.3722	0.3685	0.815

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	
138 kHz	4	Side 1	0.2501	0.2395	0.2343	0.815
		Side 2	0.0983	0.0853	0.0815	0.815
		Side 3	0.3050	0.2932	0.2886	0.815
		Side 4	0.1178	0.1009	0.0963	0.815
		Top	0.3494	0.3348	0.3302	0.815

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	
138 kHz	6	Side 1	0.2126	0.1990	0.1955	0.815
		Side 2	0.0655	0.0537	0.0496	0.815
		Side 3	0.2728	0.2613	0.2575	0.815
		Side 4	0.0850	0.0737	0.0698	0.815
		Top	0.3155	0.3034	0.2991	0.815



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	
138 kHz	8	Side 1	0.1785	0.1625	0.1576	0.815
		Side 2	0.0498	0.0352	0.0304	0.815
		Side 3	0.2393	0.2277	0.2232	0.815
		Side 4	0.0688	0.0554	0.0505	0.815
		Top	0.2805	0.2693	0.2649	0.815

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	
138 kHz	10	Side 1	0.1352	0.1232	0.1183	0.815
		Side 2	0.0379	0.0266	0.0220	0.815
		Side 3	0.1863	0.1732	0.1691	0.815
		Side 4	0.0500	0.0373	0.0337	0.815
		Top	0.2198	0.2052	0.2012	0.815

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	
138 kHz	15	Side 1	0.0823	0.0683	0.0633	0.815
		Side 2	0.0345	0.0241	0.0191	0.815
		Side 3	0.1219	0.1093	0.1044	0.815
		Side 4	0.0382	0.0248	0.0203	0.815
		Top	0.1394	0.1249	0.1202	0.815

- End of the Report -

