

198 Kezhu Road, Scientech Park, Guangzhou Economic & Technological

Development District, Guangzhou, China 510663

Telephone: +86 (0) 20 82155555 Fax: +86 (0) 20 82075059 Email: ee.guangzhou@sgs.com

Page 1 of 1

VERIFICATION OF EMC COMPLIANCE

Verification No.: GZEM1905012908ATV

Applicant: WuHan Sunon Electronics Co., Ltd

Address of Applicant: Yougang village Qianchuan Street, Huangpi district, WuHan,

Hubei Province

Manufacturer: The same as applicant
Address of Manufacturer: The same as applicant
quartz watch movement

Model No: PE90, PE11, SL68, AD988, SL39, SL25, SL28, PE39, PE21,

SL32, SL33, PE41, PE45, PE42, PE46, PE48, PE49, SP68, SP25,

SP28, PE10, PE25, PE26, PE27, PE28, PE50, PE60, PE70,

PE80, PE81, PE93

Trade Mark: SUNON

Sufficient samples of the product have been tested and found to be in conformity with

Test Standards: EN 61000-6-3:2007 +A1:2011

EN 61000-6-1:2007

As shown in the

Test Report Number(s): GZEM190501290801

This verification of EMC Compliance has been granted to the applicant based on the results of the tests, performed by laboratory of SGS-CSTC Standards Technical Services Co., Ltd. on the sample of the above-mentioned product in accordance with the provisions of the relevant specific standards under Directive 2014/30/EU.

The CE mark as shown below can be used, under the responsibility of the manufacturer, after completion of an EU Declaration of Conformity and compliance with all relevant EU Directives.



Lab Manager



Date: 2019-06-12



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 form 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,

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 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



198 Kezhu Road, Scientech Park, Guangzhou Economic & Technological

Development District, Guangzhou, China 510663

Telephone: +86 (0) 20 82155555 Fax: +86 (0) 20 82075059 Email: ee.guangzhou@sgs.com Report No.: GZEM190501290801

Page: 1 of 24

TEST REPORT

Application No.: GZEM1905012908AT

Applicant: WuHan Sunon Electronics Co., Ltd

Address of Applicant: Yougang village Qianchuan Street, Huangpi district, WuHan, Hubei Province

Manufacturer:
Address of Manufacturer:
The same as applicant

Equipment Under Test (EUT):

EUT Name: quartz watch movement

Model No.: PE90, PE11, SL68, AD988, SL39, SL25, SL28, PE39, PE21, SL32, SL33,

PE41, PE45, PE42, PE46, PE48, PE49, SP68, SP25, SP28, PE10, PE25,

PE26, PE27, PE28, PE50, PE60, PE70, PE80, PE81, PE93¤

Please refer to section 2 of this report which indicates which model was

actually tested and which were electrically identical.

Trade Mark: SUNON

Standard(s): EN 61000-6-3:2007 +A1:2011

EN 61000-6-1:2007

Date of Receipt: 2019-05-18

Date of Test: 2019-05-22 to 2019-05-25

Date of Issue: 2019-06-12

Test Result: Pass*

The CE mark as shown below can be used, under the responsibility of the manufacturer, after completion of an EU Declaration of Conformity and compliance with all relevant EU Directives.





Kobe Jian Lab Manager

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.



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, 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 its 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 felsification 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 scheck the authenticity of testing inspection report & certificate, please contact us at telephone: (66-759) \$307 (443, 445).

|Wo.189/schul/bas|| Sciented Parl, Garaghou Economic & Technology Development District, Guargatou, Chine. 510663 | 1 (86-20) 82155555 | (86-20) 82075058 | www.spagroup.com.cn 中国 - 广州 - 经济技术开发区科学域科珠路198号 | 郵編: 510663 | 1 (86-20) 82155555 | (86-20) 82075058 | sps.china@sps.com

^{*} In the configuration tested, the EUT complied with the standards specified above.



Report No.: GZEM190501290801

Page: 2 of 24

Revision Record						
Version Chapter Date Modifier Remark						
01		2019-06-12		Original		

Authorized for issue by:			
Tested By	Men 2 hou	2019-05-22 to 2019-05-25	
	Allen_Zhou /Project Engineer	Date	
Checked By	Terry Lai	2019-06-12	
	Terry_Lai /Reviewer	Date	



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/ar/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 contained the results to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be repreduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or fatisfication 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 inspections report & certificate, please contact us at telephone: (86-75) 8307 1443.

Attention:To check the authenticity of testing inspections report & certificate, please contact us at telephone: (86-75) 8307 1443.

- 0.1.11 No.(8) KethuRsa: Selection Park, Georgina Extending Development Debts Garagebus, Orian 510663 1 (86-20) 82155555 1 (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 郵線: 510663 1 (86-20) 82155555 1 (86-20) 82075058 sgs.china@sgs.com



Report No.: GZEM190501290801

Page: 3 of 24

2 Test Summary

Emission Part						
Item	Standard	Method	Requirement	Result		
Radiated Emissions (30MHz-1GHz)	EN 61000-6-3:2007 +A1:2011	CISPR 16-2-3	N/A	Pass		

N/A: Not applicable

Immunity Part				
Item	Standard	Method	Requirement	Result
Electrostatic Discharge	EN 61000-6-1:2007	EN 61000-4-2:2009	4kV Contact Discharge 8kV Air Discharge	Pass
Radiated Immunity (80MHz-2.7GHz)	EN 61000-6-1:2007	EN 61000-4-3:2006 +A1:2008+A2:2010	3V/m, 80%, 1kHz Amp. Mod. 3V/m, 80%, 1kHz Amp. Mod. 1V/m, 80%, 1kHz Amp. Mod.	Pass

¤ Declaration of EUT Family Grouping:

Model No.:

PE90, PE11, SL68, AD988, SL39, SL25, SL28, PE39, PE21, SL32, SL33, PE41, PE45, PE46, PE48, PE49, SP68, SP25, SP28, PE10, PE25, PE26, PE27, PE28, PE50, PE60, PE70, PE80, PE81, PE93

According to the declaration from the applicant, the electrical circuit design, layout, components used and internal wiring were identical for all models, with only difference on model number.

Therefore only one model PE90 was tested in this 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 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 exponerate 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) tasted and such sample(s) are retained for 3d days only.

**Attention: To check the authenticity of testing inspection report & certificate, please contact us at telephone (86-75)8307 1443.

| Wo.180 Kedu Road, Seletian Pair, Gaington Ectromic & Technology Development Dated, Quingdou, Cristo 510663 t (86-20) 82155555 1 (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 邮線: 510663 t (86-20) 82155555 1 (86-20) 82075058 sgs.china@sgs.com



Report No.: GZEM190501290801

Page: 4 of 24

3 Contents

		Page
1	1 Cover Page	1
2	2 Test Summary	3
_	z rest duffillary	······································
3	3 Contents	4
4	4 General Information	5
	4.1 Details of E.U.T.	F
	4.2 Description of Support Units	
	4.3 Measurement Uncertainty	
	4.4 Test Location	
	4.5 Test Facility	
	4.6 Deviation from Standards	
	4.7 Abnormalities from Standard Conditions	
	4.8 Monitoring of EUT for All Immunity Test	7
5	5 Equipment List	8
6	6 Emission Test Results	11
	6.1 Radiated Emissions (30MHz-1GHz)	11
	6.1.1 E.U.T. Operation	
	6.1.2 Test Setup Diagram	11
	6.1.3 Measurement Data	12
7	7 Immunity Test Results	14
	7.1 Performance Criteria Description in EN 61000-6-1:2007	14
	7.2 Electrostatic Discharge	
	7.2.1 E.U.T. Operation	
	7.2.2 Test Setup Diagram	
	7.2.3 Test Results	
	7.3 Radiated Immunity (80MHz-2.7GHz)	
	7.3.1 E.U.T. Operation	
	7.3.2 Test Setup Diagram 7.3.3 Test Results	
8		
	8.1 Radiated Emissions (30MHz-1GHz) Test Setup	
	8.2 Electrostatic Discharge Test Setup	
	8.3 Radiated Immunity (80MHz-2.7GHz) Test Setup	
	8.4 FLIT Constructional Details	



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 exponent express 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: (86-75) 3307 1443.

Attention:To check the authenticity of testing inspection report & certificate, please contact us at telephone: (86-75) 3307 1443.

- 1.11 Mo.138 Kedu Road Sdetten Park, Georgina Economic Technology Development Dated, Georgina, Units 510663 t (86-20) 82155555 t (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 邮線: 510663 t (86-20) 82155555 t (86-20) 82075058 sgs.china@sgs.com



Report No.: GZEM190501290801

Page: 5 of 24

4 General Information

4.1 Details of E.U.T.

Power Supply: DC 1.5V with a size of "LR41"button cell

Cable: N/A

4.2 Description of Support Units

The EUT has been tested as an independent unit.

4.3 Measurement Uncertainty

No.	Item	Measurement Uncertainty
4	Conducted Disturbance Voltage at	±3.63dB (9kHz to 150kHz)
1	Mains Terminals	±3.22dB (150kHz to 30MHz)
2	Disturbance Power	±3.78dB
3	Radiated Emissions	±5.0dB (30MHz-1GHz)
3	Radiated Effissions	±5.0dB (1GHz-6GHz)
4	Radiated Immunity	±2.18dB(80MHz-3GHz)
5	Conducted Immunity	±3.5dB(150kHz-230MHz)
6	Electrostatic Discharge	±6 %
7	EFT (Electrical Fast Transients)	±4 %
8	Surge Immunity	±6%
9	Voltage Dips and Interruptions	±4 %
10	CISPR 20 Immunity	±1.5dB
11	Temperature	±0.4°C
12	Humidity	±1.3%
13	DC power	±0.5 %

4.4 Test 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.



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 exponerate 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) tasted and such sample(s) are retained for 3d days only.

**Attention: To check the authenticity of testing inspection report & certificate, please contact us at telephone (86-75)8307 1443.



Report No.: GZEM190501290801

Page: 6 of 24

4.5 Test Facility

The test 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 C-Tick mark as a result of our NVLAP accreditation.

● 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-CL01:2006 accreditation criteria for testing laboratories (identical to

ISO/IEC 17025:2005 General Requirements) for the Competence of Testing Laboratories.

● FCC Recognized 2.948 Listed Test Firm(Registration No.: 282399)

SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration 282399, May 31, 2002.

◆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, Jul 13, 2017.

●Industry Canada (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-10449 and T-11179)

The 10m Semi-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-10449 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 17025:2005, 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 http://www.ags.com/en/Terms-and-Conditions/Terms-a-Documents, subject to Terms and Conditions for Electronic Documents at http://www.ags.com/en/Terms-and-Conditions/Terms-a-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 exponent 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) based and such sample(s) are retained for 30 days only.

**Attention: To check the authenticity of testing inspection report & certificate, please contact us at tellophone: (86-75) 8307 1443.

00.1.11 Mo.130 Kedu Road Sdetten Park, Georgina Economic Technology Development Dated, Georgina, Units 510663 1 (86-20) 82155555 1 (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 郵線: 510663 1 (86-20) 82155555 1 (86-20) 82075058 sgs.china@sgs.com



Report No.: GZEM190501290801

Page: 7 of 24

4.6 Deviation from Standards

None

4.7 Abnormalities from Standard Conditions

None

4.8 Monitoring of EUT for All Immunity Test

Visual: N/A Audio: N/A

Other: point rotating



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 eleration, 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) tasted 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.

Attention:To check the authenticity of testing inspection report & certificate, please contact us at telephone: (86-755)8307 1443.

htt\$MartiPad SalettanPay, Garganus Examins & Rehndog Development Daird, Gargahu, Diris 510663 1 (86-20) 82155555 1 (86-20) 82075056 www.sgsgroup.com.cn 中国 - 广州 - 经济技术开发区科学城科珠路198号 邮線: 510663 1 (86-20) 82155555 1 (86-20) 82075056 sgs.china@sgs.com



Report No.: GZEM190501290801

Page: 8 of 24

5 Equipment List

Radiated Emissions (30MHz-1GHz)							
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date		
EMI Test Receiver	Rohde & Schwarz	ESIB26	EMC0522	2019-01-20	2020-01-19		
EMI Test Receiver	Rohde & Schwarz	ESCI	EMC0056	2019-01-20	2020-01-19		
Chamber cable	HangTianXing	N/A	EMC0542	2017-06-30	2019-06-30		
Trilog Broadband Antenna 30MHz-1GHz	SCHWARZBECKME SS-ELEKTRONIK	VULB 9160	EMC2025	2016-09-08	2019-09-07		
Trilog Broadband Antenna 30MHz-1GHz	SCHWARZBECKME SS-ELEKTRONIK	VULB 9168	SEM003-18	2016-06-29	2019-06-28		
Bi-log Type Antenna	Schaffner -Chase	CBL6112B	EMC0524	2016-09-08	2019-09-07		
Bi-log Type Antenna	Schaffner -Chase	CBL6143	EMC0519	2017-05-04	2020-05-03		
Horn Antenna 1GHz- 18GHz	SCHWARZBECK MESS-ELEKTRONIK	BBHA 9120D	EMC2026	2016-09-09	2019-09-08		
1GHz-26.5 GHz Pre- Amplifier	Agilent	8449B	EMC0521	2019-01-11	2020-01-10		
Amplifier	HP	8447F	EMC2065	2018-06-01	2019-05-31		
Pre-Amplifier MH648A	ANRITSU CORP	MH648A	EMC2086	2018-11-19	2019-11-18		
Active Loop Antenna	EMCO	6502	EMC0523	2018-03-05	2020-03-04		
High Pass Filter(915MHz)	FSY MICROWAVE	HM1465-9SS	EMC2079	2019-01-11	2020-01-10		
2.4GHz Filter	Micro-Tronics	BRM 50702	EMC2069	2019-01-11	2020-01-10		
10m Semi-Anechoic Chamber	ETS	N/A	EMC0530	2017-06-18	2019-06-18		
966 Anechoic Chamber	C.R.T	9m x 6m x 6m	EMC2142	2017-12-19	2019-12-18		
MXE EMI Receiver	Keysight	N9038A	EMC2139	2018-11-19	2019-11-18		
EXA Signal Analyzer	Keysight	N9010A	EMC2138	2018-11-19	2019-11-18		
Test Software E3	Audix	Ver.6.120110a	GZE100-61	N/A	N/A		



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/ar/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 contained the results to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be repreduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or fatisfication 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 inspections report & certificate, please contact us at telephone: (86-75) 8307 1443.

Attention:To check the authenticity of testing inspections report & certificate, please contact us at telephone: (86-75) 8307 1443.

- CO L.1 Mr.(18/kdhi/licat Sdettsn/Pat, GastgrinuEzmorie Endowley Development Daird, GastgrinuEzmorie Steinhary Development Daird, GastgrinuEzmorie 1 (86-20) 82155555 1 (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 郵線: 510663 1 (86-20) 82155555 1 (86-20) 82075058 sgs.china@sgs.com



Report No.: GZEM190501290801

Page: 9 of 24

Electrostatic Discharge						
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date	
ESD Simulator	TESEQ AG	NSG 435	EMC2071	2019-03-07	2020-03-06	
ESD Ground Plane	SGS	3m x 3m	EMC0804	N/A	N/A	
Temperature & Humidity	Shanghai Meteorological Instrument Factory Co., Ltd.	ZJ1-2B	EMC0078	2018-07-05	2019-07-04	



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/ar/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 contained the results to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be repreduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or fatisfication 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 inspections report & certificate, please contact us at telephone: (86-75) 8307 1443.

Attention:To check the authenticity of testing inspections report & certificate, please contact us at telephone: (86-75) 8307 1443.

- 00 Ltd Ma(18) Mathurities Salesten Pais, Georgina Express Extending Development Dated, Georgina Express 510663 1 (86-20) 82155555 1 (86-20) 82075056 www.sgsgroup.com.cn 中国・广州・经济技术开发区科学城科珠路198号 郵線: 510663 1 (86-20) 82155555 1 (86-20) 82075058 sgs.china@sgs.com



Report No.: GZEM190501290801

Page: 10 of 24

Radiated Immunity (80MHz-2.7GHz)						
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date	
Compact 3m Semi- Anechoic Chamber	ChangZhou ZhongYu	N/A	EMC0525	2016-12-04	2019-12-03	
Laser Probe Interface	RF Microwave Instrumentation	FI7000	EMC2089	N/A	N/A	
Open Switch And Control Unit	R&S	OSP130	EMC2090	N/A	N/A	
Broadband Amplifier(80MHz~1GHz/ 250W)	R&S	BBA150	EMC2091	2019-01-11	2020-01-10	
Broadband Amplifier(800MHz~3GHz /110W)	R&S	BBA150	EMC2092	2019-01-11	2020-01-10	
Signal Generator	R&S	SMB100A	EMC2093	2019-01-11	2020-01-10	
Laser Probe	RF Microwave Instrumentation	FL7006	EMC2094	2019-02-25	2020-02-24	
NRP-Z91 PowerSensor 6GHz	R&S	NPR-Z91	EMC2095	2019-01-11	2020-01-10	
NRP-Z91 PowerSensor 6GHz	R&S	NPR-Z91	EMC2096	2019-01-11	2020-01-10	
High-Gain Log- preiodicAntenna	R&S	HL046E	EMC2097	2019-02-15	2022-02-14	
Stacked Logarithmic- Periodic BroadbandAntenna(0.7~	SCHWARZBECK MESS - ELEKTRONIK	STLP 9149	SEM003-21	2018-09-18	2021-09-17	
Broadband Amplifier (2.5~6GHZ/30W)	R&S	BBA150	EMC2105	2018-10-18	2019-10-17	
RI Cable	R&S	7m	EMC2098	2018-05-23	2019-05-22	
Oscilloscope	Tektronix	TDS3052C	EMC2055	2019-01-07	2020-01-08	
Monitor System	Mitsubish Corp.	M-0552AB	EMC0909	N/A	N/A	
Test Software EMC32	Rohde & Schwarz	Ver. 9.26.00	GZE100-63	N/A	N/A	

General used equipment					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
DMM	Fluke	73	EMC0006	2018-07-20	2019-07-19
DMM	Fluke	73	EMC0007	2018-07-19	2019-07-18



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/ar/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 contained the results to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be repreduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or fatisfication 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 inspections report & certificate, please contact us at telephone: (86-75) 8307 1443.

Attention:To check the authenticity of testing inspections report & certificate, please contact us at telephone: (86-75) 8307 1443.

- 20 1.11 No.18 No.dru Past Salertan Pat, Garaginu Extremo & Technology Development Delict Garaginu, Crim 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 郵線: 510663 t (86-20) 82155555 f (86-20) 82075058 sgs.china@sgs.com



Report No.: GZEM190501290801

Page: 11 of 24

6 Emission Test Results

6.1 Radiated Emissions (30MHz-1GHz)

Test Requirement: EN 61000-6-3:2007 +A1:2011

Test Method: CISPR 16-2-3 Frequency Range: 30MHz to 1GHz

Measurement Distance: 10m

Limit:

30 MHz - 230 MHz $30 \text{ dB}(\mu\text{V/m}) \text{ quasi-peak}$ 230 MHz - 1 GHz $37 \text{ dB}(\mu\text{V/m}) \text{ quasi-peak}$

Detector: Peak for pre-scan (120kHz resolution bandwidth) 30M to 1000MHz

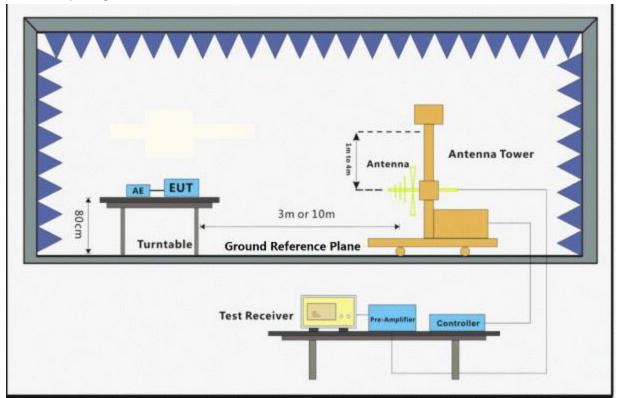
6.1.1 E.U.T. Operation

Operating Environment:

Temperature: 23 °C Humidity: 54 % RH Atmospheric Pressure: 1020 mbar

Test mode a: Test the EUT in clock mode.

6.1.2 Test Setup Diagram





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 exponerate 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) tasted and such sample(s) are retained for 3d days only.

**Attention: To check the authenticity of testing inspection report & certificate, please contact us at telephone (86-75)8307 1443.

|Multiplicaturesat SeletaniPer(GargerousEconomic Retinatory Development Dated, Gargerous Communicated Gargerous C



Report No.: GZEM190501290801

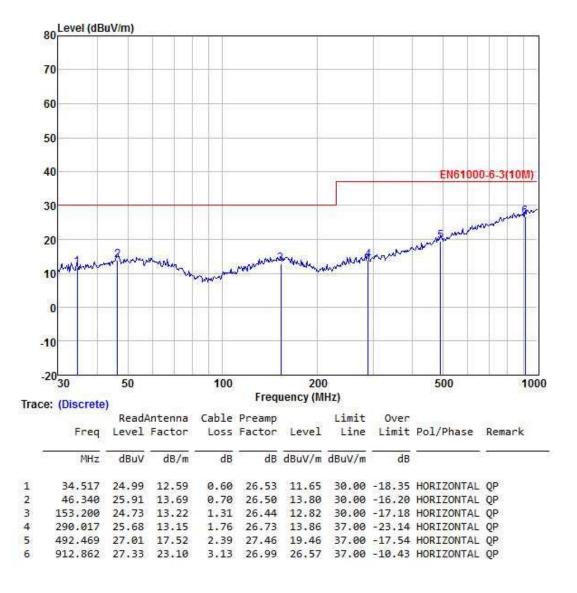
Page: 12 of 24

6.1.3 Measurement Data

An initial pre-scan was performed in the chamber using the spectrum analyser in peak detection mode. Quasi-peak measurements were conducted based on the peak sweep graph. The EUT was measured by BiConiLog antenna with 2 orthogonal polarities.

Level=Read Level + Antenna Factor + Cable Loss - Preamp Factor

Mode:a; Polarization:Horizontal





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 exponerate 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) tasted and such sample(s) are retained for 3d days only.

**Attention: To check the authenticity of testing inspection report & certificate, please contact us at telephone (86-75)8307 1443.

| Wo.180 Kadu Road, Sderban Park, Gangania Extramol & Technology Development Dated, Guregdou, Crisis 510663 | t (86-20) 82155555 1 (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 | 郵線: 510663 | t (86-20) 82155555 1 (86-20) 82075058 | sgs.china@sgs.com



5

构設检测专用章 Inspection & Testing Services

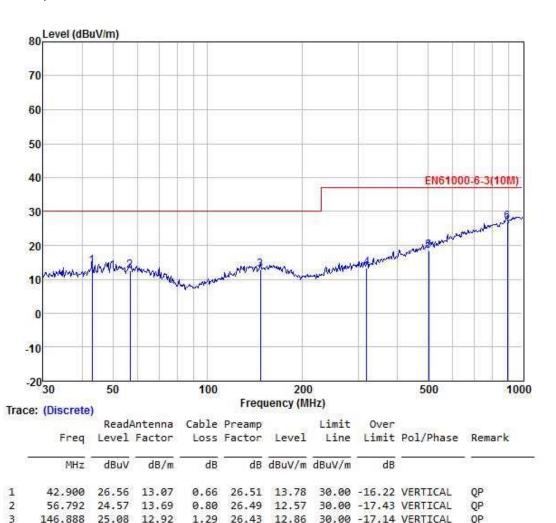
893.857 27.82 22.97

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

Report No.: GZEM190501290801

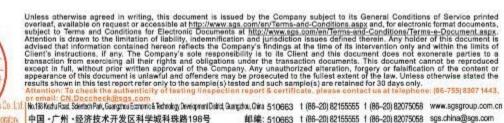
Page: 13 of 24

Mode:a; Polarization:Vertical



319.937 24.79 13.58 1.87 27.01 13.23 37.00 -23.77 VERTICAL

502.940 25.74 17.64 2.40 27.47 18.31 37.00 -18.69 VERTICAL



3.10 27.08 26.81 37.00 -10.19 VERTICAL

QP

QP



Report No.: GZEM190501290801

Page: 14 of 24

7 Immunity Test Results

7.1 Performance Criteria Description in EN 61000-6-1:2007

Criterion A

The apparatus shall continue to operate as intended during and after the test. No degradation of performance or loss of function is allowed below a performance level specified by the manufacturer, when the apparatus is used as intended. The performance level may be replaced by a permissible loss of performance. If the minimum performance level or the permissible performance loss is not specified by the manufacturer, either of these may be derived from the product description and documentation and what the user may reasonably expect from the apparatus if used as intended.

Criterion B

The apparatus shall continue to operate as intended after the test. No degradation of performance or loss of function is allowed below a performance level specified by the manufacturer, when the apparatus is used as intended. The performance level may be replaced by a permissible loss of performance. During the test, degradation of performance is however allowed. No change of actual operating state or stored data is allowed. If the minimum performance level or the permissible performance loss is not specified by the manufacturer, either of these may be derived from the product description and documentation and what the user may reasonably expect from the apparatus if used as intended.

Criterion C

Temporary loss of function is allowed, provided the function is self-recoverable or can be restored by the operation of the controls.



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 exponerate 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) tasted and such sample(s) are retained for 3d days only.

**Attention: To check the authenticity of testing inspection report & certificate, please contact us at telephone (86-75)8307 1443.

| Wo.180 Kadu Road, Sderban Park, Gangania Extramol & Technology Development Dated, Guregdou, Crisis 510663 | t (86-20) 82155555 1 (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 | 郵線: 510663 | t (86-20) 82155555 1 (86-20) 82075058 | sgs.china@sgs.com



Report No.: GZEM190501290801

Page: 15 of 24

7.2 Electrostatic Discharge

Test Requirement: EN 61000-6-1:2007
Test Method: EN 61000-4-2:2009

Performance Criterion: B

Discharge Impedance: 330Ω/150pF

Number of Discharge: Minimum 10 times at each test point

Discharge Mode: Single Discharge
Discharge Period: 1 second minimum

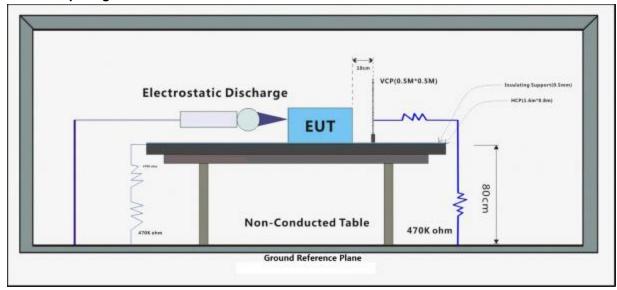
7.2.1 E.U.T. Operation

Operating Environment:

Temperature: 25.6 °C Humidity: 53.3 % RH Atmospheric Pressure: 1020 mbar

Test Mode: a: Test the EUT in clock mode.

7.2.2 Test Setup Diagram





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 exponerate 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) tasted and such sample(s) are retained for 3d days only.

**Attention: To check the authenticity of testing inspection report & certificate, please contact us at telephone (86-75)8307 1443.



Report No.: GZEM190501290801

Page: 16 of 24

7.2.3 Test Results

Test Point:

1. All insulated enclosure and seams.

Observations:

2. All accessible metal parts of the enclosure.

3. All side

Discharge type	Level (kV)	Polarity	Test Point	Result / Observations
Air Discharge	2,4,8	+	1	A
Air Discharge	2,4,8	-	1	A
Contact Discharge	4	+	2	А
Contact Discharge	4	-	2	А
Horizontal Coupling	4	+	3	А
Horizontal Coupling	4	-	3	А
Vertical Coupling	4	+	3	А
Vertical Coupling	4	-	3	A

Results:

A: No degradation in the performance of the EUT was observed.



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 exponerate 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) tasted and such sample(s) are retained for 3d days only.

**Attention: To check the authenticity of testing inspection report & certificate, please contact us at telephone (86-75)8307 1443.

| Wo.180 Kadu Road, Sderban Park, Gangania Extramol & Technology Development Dated, Guregdou, Crisis 510663 | t (86-20) 82155555 1 (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 | 郵線: 510663 | t (86-20) 82155555 1 (86-20) 82075058 | sgs.china@sgs.com



Report No.: GZEM190501290801

Page: 17 of 24

7.3 Radiated Immunity (80MHz-2.7GHz)

Test Requirement: EN 61000-6-1:2007

Test Method: EN 61000-4-3:2006 +A1:2008+A2:2010

Performance Criterion: A

Frequency Range: 80MHz to 1GHz, 1.4GHz to 2GHz, 2GHz to 2.7GHz

Antenna Polarisation: Vertical and Horizontal

Modulation: 1kHz,80% Amp. Mod,1% increment

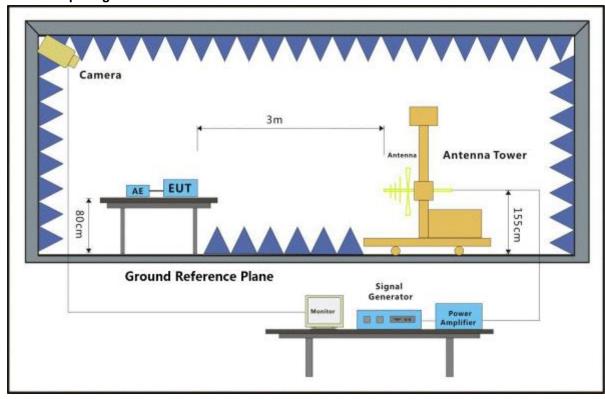
7.3.1 E.U.T. Operation

Operating Environment:

Temperature: 23 °C Humidity: 52 % RH Atmospheric Pressure: 1020 mbar

Test Mode: a: Test the EUT in clock mode.

7.3.2 Test Setup Diagram





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 exponerate 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) tasted and such sample(s) are retained for 3d days only.

**Attention: To check the authenticity of testing inspection report & certificate, please contact us at telephone (86-75)8307 1443.



Report No.: GZEM190501290801

Page: 18 of 24

7.3.3 Test Results

Frequency	Level (V/m)	EUT Face	Dwell time	Result / Observations
80MHz-1GHz	3	Front	2s	A
80MHz-1GHz	3	Back	2s	A
80MHz-1GHz	3	Left	2s	A
80MHz-1GHz	3	Right	2s	A
80MHz-1GHz	3	Тор	2s	A
80MHz-1GHz	3	Underside	2s	A
1.4GHz-2GHz	3	Front	2s	A
1.4GHz-2GHz	3	Back	2s	A
1.4GHz-2GHz	3	Left	2s	A
1.4GHz-2GHz	3	Right	2s	A
1.4GHz-2GHz	3	Тор	2s	A
1.4GHz-2GHz	3	Underside	2s	A
2GHz-2.7GHz	1	Front	2s	A
2GHz-2.7GHz	1	Back	2s	A
2GHz-2.7GHz	1	Left	2s	A
2GHz-2.7GHz	1	Right	2s	A
2GHz-2.7GHz	1	Тор	2s	A
2GHz-2.7GHz	1	Underside	2s	A

Results:

A: No degradation in the performance of the EUT was observed.



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 eleration, 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) tasted 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.

Attention:To check the authenticity of testing inspection report & certificate, please contact us at telephone: (86-755)8307 1443.

| Wo.180 Kedu Road, Seletian Pair, Gaington Externic & Technology Development Dated, Gaingdon, Crist. 510663 t (86-20) 82155555 1 (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 邮線: 510663 t (86-20) 82155555 1 (86-20) 82075058 sgs.china@sgs.com

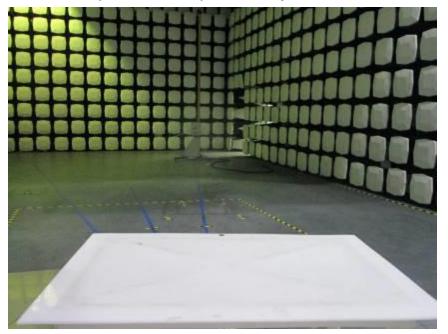


Report No.: GZEM190501290801

Page: 19 of 24

8 Photographs

8.1 Radiated Emissions (30MHz-1GHz) Test Setup



8.2 Electrostatic Discharge Test Setup



中央の対象を正文 respection & Testing Services が Transcription & Co. Ltd ()

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 eleration, 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) tasted 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.

Attention:To check the authenticity of testing inspection report & certificate, please contact us at telephone: (86-755)8307 1443.

| Wo.180 Kedu Road, Seletian Pair, Gaington Externic & Technology Development Dated, Gaingdon, Crist. 510663 t (86-20) 82155555 1 (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 邮線: 510663 t (86-20) 82155555 1 (86-20) 82075058 sgs.china@sgs.com



Report No.: GZEM190501290801

Page: 20 of 24

8.3 Radiated Immunity (80MHz-2.7GHz) Test Setup





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 exponent express 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: (86-75) 3307 1443.

Attention:To check the authenticity of testing inspection report & certificate, please contact us at telephone: (86-75) 3307 1443.

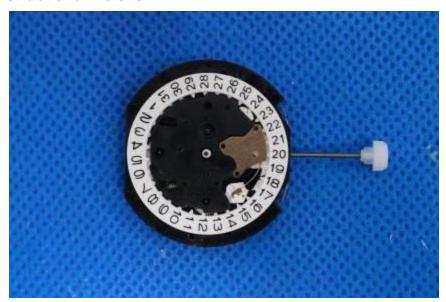
|Muttik/Ratulicad_SalettanPex_CaregrousExaminis Rethology DevelopmentDated_Garegrhus_Drins 510663 | 1 (86-20) 82155555 1 (86-20) 82075056 | www.sgsgroup.com.cn 中国 - 广州 - 经济技术开发区科学城科珠路198号 | 郵線: 510663 | 1 (86-20) 82155555 1 (86-20) 82075056 | sgs.china@sgs.com

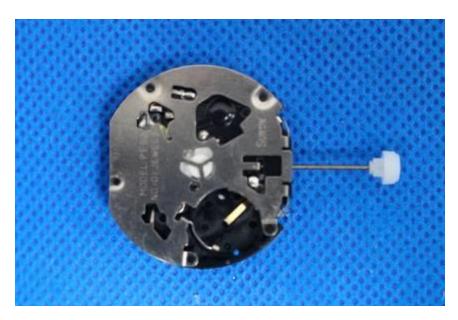


Report No.: GZEM190501290801

Page: 21 of 24

8.4 EUT Constructional Details







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 exponent express 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: (86-75) 3307 1443.

Attention:To check the authenticity of testing inspection report & certificate, please contact us at telephone: (86-75) 3307 1443.

or email: CN_Doccheck@sgs.com M:18/RehuRad Seletan Parl, Gangthou.Scrience Rehnsley, Development Daird, Gangthou, Olina 510663 1 (86-20) 82155555 1 (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 邮線: 510663 1 (86-20) 82155555 1 (86-20) 82075058 sgs.china@sgs.com



Report No.: GZEM190501290801

Page: 22 of 24







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 exponent express 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: (86-75) 3307 1443.

Attention:To check the authenticity of testing inspection report & certificate, please contact us at telephone: (86-75) 3307 1443.

|Multiplicaturesat Seletion Par, Coorgina Extremos Exchange Development Daird, Guargobu, Criss 510663 | 1 (86-20) 82155555 1 (86-20) 82075056 | www.sgsgroup.com.cn 中国 - 广州 - 经济技术开发区科学城科珠路198号 | 郵線: 510663 | 1 (86-20) 82155555 1 (86-20) 82075056 | sgs.china@sgs.com



Report No.: GZEM190501290801

23 of 24 Page:



For model SL68





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/ar/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 contained the results to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be repreduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or fatisfication 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 inspections report & certificate, please contact us at telephone: (86-75) 8307 1443.

Attention:To check the authenticity of testing inspections report & certificate, please contact us at telephone: (86-75) 8307 1443.

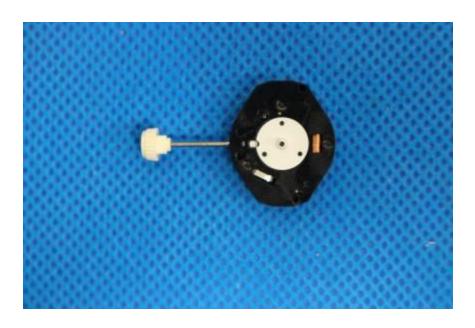
Co. Ltd., No.138 Kedru Raid, Salertam Park, Gaingthia Extrancis Technology Deviopment Dahrd, Guingdhou, China 5100663 1 (86-20) 82155555 1 (86-20) 82075058 www.sgsgroup.com.cn

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



Report No.: GZEM190501290801

Page: 24 of 24



-- End of 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 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 exponent express 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: (86-75) 3307 1443.

Attention:To check the authenticity of testing inspection report & certificate, please contact us at telephone: (86-75) 3307 1443.

- 0.1.11 No.(8) KethuRsa: Selection Park, Georgina Extending Development Debts Garagebus, Orian 510663 1 (86-20) 82155555 1 (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 郵線: 510663 1 (86-20) 82155555 1 (86-20) 82075058 sgs.china@sgs.com