

EMC-TRF-01 Rev 1.0

Report No.: GZCR210502032706 Page: 1 of 10 FCC ID: 2AWD4-ECHTES156

# **RF EXPOSURE EVALUATION REPORT**

Application No.:	GZCR2105020327AT	
Applicant:	Echelon Fitness Multimedia, LLC	
Address of Applicant:	605 Chestnut Street, Suite 700, Chattanooga, TN 37450 USA	
Manufacturer:	Echelon Fitness Multimedia, LLC	
Address of Manufacturer:	605 Chestnut Street, Suite 700, Chattanooga, TN 37450 USA	
Factory:	TES Touch Embedded Solutions (Xiamen) CO., LTD.	
Factory of Manufacturer:	No. 60, Xinglin South Rd., Jimei District, Xiamen, Fujian 361022, China	
Equipment Under Test (EUT):		
EUT Name:	Echelon Touch Screen	
Model No.:	ECHTES-156, ECHTES-215, ECHTES-238 🔹	
*	Please refer to section 2 of this report which indicates which item was actually tested and which were electrically identical.	
Standard(s) :	47 CFR Part 1.1310	
	KDB447498 D01 General RF Exposure Guidance v06	
Date of Receipt:	2021-05-26	
Date of Test:	2021-07-16	
Date of Issue:	2021-07-16	
Test Result:	Pass*	

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

oke. Jun

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.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-en-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined thereini. 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 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@csac.com



Report No.: GZCR210502032706 Page: 2 of 10

Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2021-07-16		Original

Authorized for issue by		
Tested By	Jim Li	
	Jim Li/Project Engineer	
Poviowed By	Ridey Lin	
neviewed by	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/Terms-e-Document.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 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 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. 199 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-01 Rev 1.0 Report No.: GZCR210502032706 Page: 3 of 10

#### **Evaluation Summary** 2

#### 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.: ECHTES-156, ECHTES-215, ECHTES-238

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 the LCD panel size.

Therefore, only the model ECHTES-156 was tested.



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 limitation to its oils sole responsibility is to its Cilent's and this document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forger 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@exs.com</a>

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-01 Rev 1.0 Report No.: GZCR210502032706 Page: 4 of 10

#### 3 Contents

			Page
1	Cov	ver Page	1
2	Eva	luation Summary	3
3	Con	ntents	4
4	Info	rmation	5
	4.1 4.2 4.3 4.4 4.5	Details of E.U.T Evaluation Location Test Facility Deviation from Standards Abnormalities from Standard Conditions	
5	Rad	lio Spectrum Matter Test Results	7
	5.1 5.1.	RF Exposure Evaluation 1 Conclusion and Result	
6	EUT	Constructional Details (EUT Photos)	10



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 limitation clients" 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) 83071443, or email: CNLDoccheck@csc.com</a>

中国·广州·经济技术开发区科学城科珠路198号

s Co., Ltd. | No.198 Kezhu Road, Scientech Park, Guargzhou Economic & Technology Development District, Guargzhou, 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.: GZCR210502032706 Page: 5 of 10

#### Information 4 4.1 Details of E.U.T.

Power supply:	For model ECHTES-156 & ECHTES-215 & ECHTES-238
	SWITCHING ADAPTER
	MODEL: SOY-1200500-327
	INPUT:100-240VAC~, 50/60Hz, 1.7A Max
	OUTPUT:12.0V, 5.0A, 60.0W
Cable(s):	AC mains for adapter:3 wires, 1.8m, unshielded
	DC input for main unit:1.8m, with ferrite bead
	DC IN Port
	USB Port
	USB/OTG Port
	TF Card Slot
	HDMI Port
	LAN Port
	LINE OUT Port
	DC OUT Port
	3.5mm Headphone Jack
RF Character:	Refer to report GZCR210502032702 for 2.4G BT BLE.
	Refer to report GZCR210502032703 for 2.4G BT Classic.
	Refer to report GZCR210502032704 for 2.4G Wi-Fi.
	Refer to report GZCR210502032705 for U-NII bands Wi-Fi.

## 4.2 Evaluation 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-en-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 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. 199 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.: GZCR210502032706 Page: 6 of 10

EMC-TRF-01 Rev 1.0

## 4.3 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/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.

## 4.4 Deviation from Standards

None

## 4.5 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 of Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Te

No. 199 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



Report No.: GZCR210502032706 Page: 7 of 10

#### **Radio Spectrum Matter Test Results** 5

#### 5.1 **RF Exposure Evaluation**

CFR 47 Part 2.1093

Limit:

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances  $\leq$  50 mm are determined by:

[(max. power of channel, including tune-up tolerance, mW) / (min. test separation distance, mm)] ·  $[\sqrt{f(GHz)}] \le 3.0$  for 1-g SAR and  $\le 7.5$  for 10-g extremity SAR, where

f(GHz) is the RF channel transmit frequency in GHz

Power and distance are rounded to the nearest mW and mm before calculation<sup>17</sup>

The result is rounded to one decimal place for comparison

The test exclusions are applicable only when the minimum test separation distance is  $\leq$  50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion.



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 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 exconrate 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 andwil 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. 199 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-01 Rev 1.0 Report No.: GZCR210502032706 Page: 8 of 10

#### 5.1.1 Conclusion and Result.

Normal use condition for  $\geq$  10 mm declared by applicant. Distance between antenna and body: Remark

The device cannot transmit 2.4G BT BLE and Classic, 2.4G Wi-Fi and 5G Wi-Fi synchronously, only BT and Wi-Fi can.

The separation distance is  $\geq$  10 mm as below:



(1). Refer to report No. GZCR210502032702 for EUT BT BLE test max conducted power value. The Max Conducted Peak Output Power is 4.5 dBm on the channel 2.480 GHz 4.5 dBm logarithmic terms convert to numeric result is nearly 2.82 mW According to the formula. calculate the test exclusion thresholds: [(max. power of channel, including tune-up tolerance, mW)/ (min. test separation distance, mm)]  $\cdot [\sqrt{f(GHz)}]$ General RF Exposure = (2.82 mW / 10 mm) x \sqrt{2.480 GHz} = 0.444 (1) SAR requirement: S = 7.5 (2) (1) < (2)So the SAR report is not required.



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-en-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 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 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.: GZCR210502032706 Page: 9 of 10

- (2). Refer to report No. GZCR210502032703 for EUT BT Classic test max conducted power value. The Max Conducted Peak Output Power is 6.76 dBm on the channel 2.480 GHz 6.76 dBm logarithmic terms convert to numeric result is nearly 4.74 mW According to the formula. calculate the test exclusion thresholds: [(max. power of channel, including tune-up tolerance, mW)/ (min. test separation distance, mm)]  $\cdot [\sqrt{f}(GHz)]$ General RF Exposure = (4.74 mW / 10 mm) x  $\sqrt{2.480}$  GHz = 0.747 (1) SAR requirement: S = 7.5 (2) (1) < (2) So the SAR report is not required.
- (3). Refer to report No. GZCR210502032704 for EUT 2.4G Wi-Fi test max conducted power value. The Max Conducted Peak Output Power is 15.17 dBm on the channel 2.442 GHz 15.17 dBm logarithmic terms convert to numeric result is nearly 32.89 mW According to the formula. calculate the test exclusion thresholds: [(max. power of channel, including tune-up tolerance, mW)/ (min. test separation distance, mm)]  $\cdot [\sqrt{f(GHz)}]$ General RF Exposure = (32.89 mW / 10 mm) x  $\sqrt{2}$ .480 GHz = 5.139 (1) SAR requirement: S = 7.5 (2) (1) < (2) So the SAR report is not required.

(4). Refer to report No. GZCR210502032705 for EUT U-NII bands Wi-Fi test max conducted power value.

The Max Conducted Peak Output Power is 10.76 dBm on the channel 5.785 GHz 10.76 dBm logarithmic terms convert to numeric result is nearly 11.91 mW According to the formula. calculate the test exclusion thresholds: [(max. power of channel, including tune-up tolerance, mW)/ (min. test separation distance, mm)]  $\cdot [\sqrt{f}(GHz)]$ General RF Exposure = (11.91 mW / 10 mm) x  $\sqrt{5.785}$  GHz = 2.865 (1) SAR requirement: S = 7.5 (2) (1) < (2) So the SAR report is not required.

The Bluetooth and Wi-Fi can be transmitted together, the result is 5.139/7.5 + 0.747/7.5 = 0.7848 < 1.0

### Conclusion:

The device meets the maximum permissible exposure requirement, So the SAR report is not required.



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 falisfication 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@sags.com</a>. Not Read Steinter Arg, Guarginu Common Steinter (Surgery Oregon Common Steinter), Not Read Steinter Arg, Guarginu Common Steinter), Steinter and Steinter Arg, Guarginu Common Steinter), Steinter and Steinter Arg, Guarginu Common Steinter, Steinter Arg, Steinter Arg, Guarginu Common Steinter, Steinter Arg, Steinter Arg, Guarginu Common Steinter, Steinter Arg, Steinter Arg, Guarginu Common Steinter, Guarginu Common Steint

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



Report No.: GZCR210502032706 Page: 10 of 10

#### **EUT Constructional Details (EUT Photos)** 6

Refer to Appendix \_ Photographs of EUT Constructional Details for GZCR2105020327AT.

- 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">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 usercising 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. 199 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

Member of the SGS Group (SGS SA)