

Report No.: KSCR230400068601 Page: 1 of 41

TEST REPORT

Application No.:	KSCR2304000686AT		
FCC ID:	2BA76CH11MNT001		
Applicant:	MotoMotion China Corporation		
Address of Applicant:	No. 61 Xinggang Road, Zhonglou Economic Development Zone, Changzhou, Jiangsu, P.R. China		
Manufacturer:	MotoMotion China Corporation		
Address of Manufacturer:	No. 61 Xinggang Road, Zhonglou Economic Development Zone, Changzhou, Jiangsu, P.R. China		
Factory:	MotoMotion China Corporation		
Address of Factory:	No. 61 Xinggang Road, Zhonglou Economic Development Zone, Changzhou, Jiangsu, P.R. China		
Equipment Under Test (EUT):		
EUT Name:	Remote Control		
Model No.:	CH11-R		
Standard(s) :	47 CFR Part 15, Subpart C 15.249		
Date of Receipt:	2023-04-20		
Date of Test:	2023-04-21 to 2023-05-15		
Date of Issue:	2023-05-16		
Test Result:	Pass*		

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

Eni fri

Eric Lin 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 https://www.sgs.com/en/Terms-and-Conditions. 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 Cilent'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 faisification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only. Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@sgs.com"

oremall:<u>CN_Doccheck@sgs.com</u> No.10Weiye Road, Development Zone, Kunshan, Jiangsu, China 215300 ((86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn 中国・江苏・昆山开发区伟业路10号 邮编: 215300 ((86-512)57355888 f(86-512)57370818 sgs.china@sgs.com



Report No.: KSCR230400068601 Page: 2 of 41

Revision Record						
Version	Description	Date	Remark			
00	Original	2023-05-16	/			

Authorized for issue by:			
	Tommie Tang		
	Tommie_Tang/Project Engineer	-	
	En fri		
	Eric Lin /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 <u>https://www.sgs.com/en/Terms-and-Conditions</u>. 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 connot 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@ags.com

or email: <u>CN_Doccheck@ags.com</u> No.101Weiye Road, Development Zone, Kunshan, Jiangsu, China 215300 中国 • 江苏 • 昆山开发区伟业路10号 邮编: 215300 t(86-512)57355888 t(86-512)57355888 t(86-512)57355888 t(86-512)57355888



Report No.: KSCR230400068601 Page: 3 of 41

2 Test Summary

Radio Spectrum Technical Requirement						
Item	Standard	Method	Requirement	Result		
Antenna Requirement	47 CFR Part 15, Subpart C 15.249	N/A	47 CFR Part 15, Subpart C 15.203	Pass		

Radio Spectrum Matter Part						
Item	Standard	Method	Requirement	Result		
20dB Bandwidth		ANSI C63.10 (2013) Section 6.9	47 CFR Part 15, Subpart C 15.215	Pass		
Field Strength of the Fundamental Signal (15.249(a))		ANSI C63.10 (2013) Section 6.5&6.6	47 CFR Part 15, Subpart C 15.249(a)	Pass		
Restricted Band Around Fundamental Frequency	47 CFR Part 15, Subpart C 15.249	ANSI C63.10 (2013) Section 6.10.5	47 CFR Part 15, Subpart C 15.205 & 15.249(d) & 15.209	Pass		
Radiated Emissions Below 1GHz		ANSI C63.10 (2013) Section 6.4&6.5	47 CFR Part 15, Subpart C 15.209 & 15.249 (a),(d)	Pass		
Radiated Emissions Above 1GHz		ANSI C63.10 (2013) Section 6.6	47 CFR Part 15, Subpart C 15.209 & 15.249 (a),(d)	Pass		



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 <u>https://www.sgs.com/en/Terms-and-Conditions</u>. 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 connot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or faisification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only. Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@ags.com



Report No.: KSCR230400068601 Page: 4 of 41

3 Contents

		Page
1	COVER PAGE	1
2	TEST SUMMARY	3
_		•
3	CONTENTS	4
4	GENERAL INFORMATION	6
7		
	 4.1 DETAILS OF E.U.T. 4.2 DESCRIPTION OF SUPPORT UNITS 	
	4.3 MEASUREMENT UNCERTAINTY	
	4.4 TEST LOCATION	
	4.5 TEST FACILITY	
	4.6 DEVIATION FROM STANDARDS	8
	4.7 ABNORMALITIES FROM STANDARD CONDITIONS	8
5	EQUIPMENT LIST	9
6	RADIO SPECTRUM TECHNICAL REQUIREMENT	11
	6.1 ANTENNA REQUIREMENT	
	6.1.1 Test Requirement:	
	6.1.2 Conclusion	
7	RADIO SPECTRUM MATTER TEST RESULTS	12
	7.1 20dB Bandwidth	12
	7.1.1 E.U.T. Operation	
	7.1.2 Test Mode Description	
	7.1.3 Test Setup Diagram	
	7.1.4 Measurement Procedure and Data	
	7.2 FIELD STRENGTH OF THE FUNDAMENTAL SIGNAL (15.249(A))	
	7.2.1 E.U.T. Operation	
	7.2.2 Test Mode Description	
	7.2.3 Test Setup Diagram	
	 7.2.4 Measurement Procedure and Data 7.3 RESTRICTED BAND AROUND FUNDAMENTAL FREQUENCY 	
	7.3 RESTRICTED BAND AROUND FUNDAMENTAL FREQUENCY	
	7.3.2 Test Mode Description	
	7.3.3 Test Setup Diagram	
	7.3.4 Measurement Procedure and Data	
	7.4 RADIATED EMISSIONS BELOW 1GHz	
	7.4.1 E.U.T. Operation	
	7.4.2 Test Mode Description	
	7.4.3 Test Setup Diagram	
	7.4.4 Measurement Procedure and Data	
	7.5 RADIATED EMISSIONS ABOVE 1GHz	
	7.5.1 E.U.T. Operation	



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Sarvice printed overleaf, available on request or accessible at <u>https://www.sgs.com/en/Terms-and-Conditions</u>. 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: (86-575) 5307 1443, or email: CN_Doccheck@gs.com (No.10 Weipe Road, Development Zone, Kunshan, Jiangsu, China 215300 (168-512) 57355888 (168-512) 57370818 www.sgsgroup.com.em Pia · 江苏 · 昆山开发区伟业路10号 邮编: 215300 (168-512) 57355888 fige-512) 57370818 sgs.china@gsgs.com



Report No.: KSCR230400068601 Page: 5 of 41

7.	5.2 Test Mode Description	
	5.3 Test Setup Diagram	
	5.4 Measurement Procedure and Data	
8 TE	EST SETUP PHOTO	41
9 El	UT CONSTRUCTIONAL DETAILS (EUT PHOTOS)	41



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 https://www.sgs.com/en/Terms-and-Conditions. 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.

or email: <u>CN.Doccheck@sgs.com</u> No.10 Weiye Road, Development Zone, Kunshan, Jiangsu, China 215300 t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn 中国・江苏・昆山开发区伟业路10号 邮编: 215300 t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com

Member of the SGS Group (SGS SA)



Report No.: KSCR230400068601 Page: 6 of 41

4 General Information

4.1 Details of E.U.T.

Power supply:	DC 4.5V by battery
Operation Frequency:	2402-2460MHz
Modulation Type:	GFSK
Number of Channels:	59
Channel Spacing:	1MHz
Antenna Type:	PCB Antenna
Antenna Gain:	0dBi (Provided by the manufacturer)

4.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
The EUT has been tested as	an independent unit.		



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 <u>https://www.sgs.com/en/Terms-and-Conditions</u>. 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 connot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or faisification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only. Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@ags.com

or email: <u>CN_Doccheck@sgs.com</u> No.10 Weiye Road, Development Zone, Kunshan, Jiangsu, China 215300 中国・江苏・昆山开发区伟业路10号 邮编: 215300 t(86-512)57355888 f(86-512)573578818 sgs.china@sgs.com



Report No.: KSCR230400068601 Page: 7 of 41

Radio Frequency Timeout Duty Cycle	8.4 x 10 ⁻⁸ 2s 0.37%
Duty Cycle	
	0.37%
	0.0778
Occupied Bandwidth	3%
RF Conducted Power	0.6dB
RF Power Density	2.9dB
nducted Spurious Emissions	0.75dB
PE Padiated Dewor	5.2dB (Below 1GHz)
KF Radialed Fower	5.9dB (Above 1GHz)
	4.2dB (Below 30MHz)
Radiated Spurious Emission Test	4.5dB (30MHz-1GHz)
	5.1dB (1GHz-18GHz)
	5.4dB (Above 18GHz)
Temperature Test	1°C
Humidity Test	3%
Supply Voltages	1.5%
Time 3%	
	Occupied Bandwidth RF Conducted Power RF Power Density Inducted Spurious Emissions RF Radiated Power diated Spurious Emission Test Temperature Test Humidity Test Supply Voltages

4.3 Measurement Uncertainty

Note: The measurement uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.



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 <u>https://www.sgs.com/en/Terms-and-Conditions</u>. 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@ags.com

of email: <u>CN_DocCheck@sgs.com</u> No.10 Weiye Road, Development Zone, Kunshan, Jiangsu, China 215300 中国・江苏・昆山开发区伟业路10号 邮编: 215300 t(86-512)57355888 f(86-512)57357888 sgs.china@sgs.com



Report No.: KSCR230400068601 Page: 8 of 41

4.4 Test Location

All tests were performed at:

Compliance Certification Services (Kunshan) Inc.

No.10 Weiye Rd, Innovation park, Eco&Tec, Development Zone, Kunshan City, Jiangsu, China. Tel: +86 512 5735 5888 Fax: +86 512 5737 0818

No tests were sub-contracted.

Note:

1. SGS is not responsible for wrong test results due to incorrect information (e.g., max. internal working frequency, antenna gain, cable loss, etc) is provided by the applicant. (If applicable).

2. SGS is not responsible for the authenticity, integrity and the validity of the conclusion based on results of the data provided by applicant. (If applicable).

4.5 Test Facility

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

• A2LA

Compliance Certification Services (Kunshan) Inc. is accredited by the American Association for Laboratory Accreditation (A2LA). Certificate No. 2541.01.

• FCC

Compliance Certification Services (Kunshan) Inc. has been recognized as an accredited testing laboratory. Designation Number: CN1172.

• ISED

Compliance Certification Services (Kunshan) Inc. has been recognized by Innovation, Science and Economic Development Canada (ISED) as an accredited testing laboratory. Company Number: 2324E

VCCI

The 3m and 10m Semi-anechoic chamber and Shielded Room of Compliance Certification Services (Kunshan) Inc. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: R-20134, R-11600, C-11707, T-11499, G-10216 respectively.

4.6 Deviation from Standards

None

4.7 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 https://www.sgs.com/en/Terms-and-Conditions. 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 Cilent's instructions, if any. The Company's sole responsibility is to its Cilent 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 documents 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.10 Weiye Road, Development Zone, Kunshan, Jiangsu, China 215300 t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn 中国・江苏・昆山开发区伟业路10号 邮编: 215300 t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com



Report No.: KSCR230400068601 Page: 9 of 41

5 Equipment List

ltem	Equipment	Manufacturer	Model	Inventory No	Cal Date	Cal. Due Date
Conduc	ted Emission at Mains Tern		Hz)			
1	EMI Test Receive	R&S	ESCI	KS301101	02/03/2023	02/02/2024
2	LISN	R&S	ENV216	KS301197	01/17/2023	01/16/2024
3	LISN	Schwarzbeck	NNLK 8129	KS301091	01/17/2023	01/16/2024
4	Pulse Limiter	R&S	ESH3-Z2	KUS1902E001	01/17/2023	01/16/2024
5	CE test Cable	Thermax	/	CZ301102	01/17/2023	01/16/2024
6	Test Software	Farad	EZ-EMC	/	N.C.R	N.C.R
RF Con	ducted Test					
1	Spectrum Analyzer	Keysight	N9020A	KUS1911E004-2	08/22/2022	08/21/2023
2	Spectrum Analyzer	Keysight	N9020A	KUS2001M001-2	08/22/2022	08/21/2023
3	Spectrum Analyzer	Keysight	N9030B	KSEM021-1	02/03/2023	02/02/2024
4	Signal Generator	R&S	SMBV100B	KSEM032	03/16/2023	03/15/2024
5	Signal Generator	R&S	SMW200A	KSEM020-1	08/22/2022	08/21/2023
6	Signal Generator	Agilent	N5182A	KUS2001M001-1	08/22/2022	08/21/2023
7	Radio Communication Test Station	Anritsu	MT8000A	KSEM001-1	08/22/2022	08/21/2023
8	Radio Communication Analyzer	Anritsu	MT8821C	KSEM002-1	03/16/2023	03/15/2024
9	Universal Radio Communication Tester	R&S	CMW500	KUS1911E004-1	08/22/2022	08/21/2023
10	Switcher	CCSRF	FY562	KUS2001M001-3	08/22/2022	08/21/2023
11	AC Power Source	EXTECH	6605	KS301178	N.C.R	N.C.R
12	DC Power Supply	Aglient	E3632A	KS301180	N.C.R	N.C.R
13	Conducted Test Cable	Thermax	RF01-RF04	CZ301111- CZ301120	02/03/2023	02/02/2024
14	Temp. / Humidity Chamber	TERCHY	MHK-120AK	KS301190	11/16/2022	11/15/2023
15	Temperature & Humidity Recorder	Renke Control	RS-WS-N01- 6J	KSEM024-5	03/22/2023	03/21/2024
16	Software	BST	TST-PASS	/	N/A	N/A
RF Rad	iated Test					
1	Spectrum Analyzer	R&S	FSV40	KUS1806E003	08/22/2022	08/21/2023
2	Universal Radio Communication Tester	R&S	CMW500	KSEM009-1	03/16/2023	03/15/2024
3	Signal Generator	Agilent	E8257C	KS301066	08/22/2022	08/21/2023
4	Loop Antenna	COM-POWER	AL-130R	KUS1806E001	03/18/2023	03/17/2025
5	Bilog Antenna	TESEQ	CBL 6112D	KUS1806E005	06/29/2021	06/28/2023
6	Bilog Antenna	SCHWARZBECK	VULB9160	CZ301016	04/13/2021	04/12/2024
7	Horn-antenna(1-18GHz)	Schwarzbeck	BBHA9120D	KS301079	04/02/2022	04/01/2024
8	Horn-antenna(1-18GHz)	ETS-LINDGREN	3117	KS301186	02/21/2023	02/20/2024
9	Horn Antenna(18-40GHz)	Schwarzbeck	BBHA9170	CZ301058	02/26/2023	02/25/2024
10	Amplifier(30MHz~18GHz)	PANSHAN TECHNOLOGY	LNA:1~18G	KSEM010-1	01/17/2023	01/16/2024
11	Amplifier(18~40GHz)	COM-POWER	PAM-840A	KUS1710E001	01/21/2023	01/20/2024



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 <u>https://www.sgs.com/en/Terms-and-Conditions</u>. 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 connot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or faisification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only. Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@ags.com

or email: <u>CN_Doccheck@sgs.com</u> No.10Weiye Road, Development Zone, Kunshan, Jiangsu, China 215300 中国・江苏・昆山开发区伟业路10号 邮编: 215300 tt(86-512)57355888 ft(86-512)57370818 www.sgsgroup.com.cn tt(86-512)57355888 ft(86-512)57370818 sgs.china@sgs.com

Member of the SGS Group (SGS SA)



Report No.: KSCR230400068601 Page: 10 of 41

12	RE Test Cable	REBES MICROWAVE	/	CZ301097	11/12/2022	11/11/2023
13	Temperature & Humidity Recorder	Renke Control	RS-WS-N01- 6J	KSEM024-4	03/22/2023	03/21/2024
14	Software	Faratronic	EZ_EMC-v 3A1	/	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 https://www.sgs.com/en/Terms-and-Conditions. 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 Cilent's instructions, if any. The Company's sole responsibility is to its Cilent 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 faisification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only. Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN Doccheck@sas.com"

or email: <u>CN.Doccheck@sgs.com</u> No.10 Weiye Road, Development Zone, Kunshan, Jiangsu, China 215300 (186-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn 中国・江苏・昆山开发区伟业路10号 邮编: 215300 (186-512)57355888 f(86-512)57370818 sgs.china@sgs.com



Report No.: KSCR230400068601 Page: 11 of 41

6 Radio Spectrum Technical Requirement

6.1 Antenna Requirement

6.1.1 Test Requirement:

47 CFR Part 15, Subpart C 15.203

6.1.2 Conclusion

15.203 requirement: An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.EUT Antenna: The antenna is integrated on the main PCB and no consideration of replacement. The best case gain of the antenna is 0dBi. Antenna location: Refer to Internal photos



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 <u>https://www.sgs.com/en/Terms-and-Conditions</u>. 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 faisification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only. Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@ags.com

or email: <u>CN-Doccheck@ags.com</u> No.10 Weiye Road, Development Zone, Kunshan, Jiangsu, China 215300 中国・江苏・昆山开发区伟业路10号 邮编: 215300 t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com



Report No.: KSCR230400068601 Page: 12 of 41

7 Radio Spectrum Matter Test Results

7.1 20dB Bandwidth

Test Requirement	47 CFR Part 15, Subpart C 15.215
Test Method:	ANSI C63.10 (2013) Section 6.9
Measurement Distance:	3m

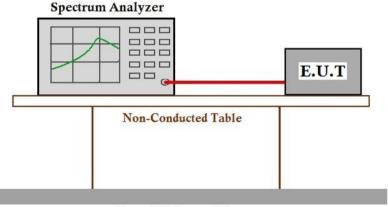
7.1.1 E.U.T. Operation

Operating Enviro	onment:				
Temperature:	25.1 °C	Humidity:	44.2 % RH	Atmospheric Pressure: 1010 mb	ar

7.1.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode_Keep the EUT in transmitting with modulation mode.

7.1.3 Test Setup Diagram



Ground Reference Plane

7.1.4 Measurement Procedure and Data



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 <u>https://www.ags.com/en/Terms-and-Conditions</u>. 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 faisification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only. **Attention:** To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: (SN_Doccheck@ags.com).

of email: <u>CM_DocchecK@sgs.com</u> No.10 Weiye Road, DevelopmentZone, Kunshan, Jiangsu, China 215300 中国・江苏・昆山开发区伟业路10号 邮编: 215300 tt(86-512)57355888 ft(86-512)57370818 www.sgsgroup.com.cn t(86-512)57355888 ft(86-512)57370818 sgs.china@sgs.com



Report No.: KSCR230400068601 Page: 13 of 41

Frequency (MHz)	Bandwidth (kHz)	Result
2402	532.6	PASS
2431	529.7	PASS
2460	538.4	PASS

2402MHz

Spect	um										
Ref Le	vel 9	7.00 dB	μγ	•	RBW	10 kHz					
Att		10	dB SWT 1	89.5 µs 🧉	VBW	30 kHz	Mode Sv	veep			
∋1Pk Ma	эх										
							D	3[1]			-0.14 d
90 dBµ\	·			140							532.60 kH
				M2			M	1[1]			62.81 dBµ
80 dBµ\				100			0	I		2.401	L60930 GH
				1/~\		m	M				
70 dBµ\	′ 			MI	1	4 27	V L				
		1 62.10	ю dвµV	7	- Yhur		D3				
60 dBµ\		1 02.10		1							
	.		1 rul	1			er (ĥΛ			
50 dBµ\			M					"h			
40 40.4	,		_∕\/_`					m	h()		
40 dBµ\ 30 dBµ\	- 0.	$\Lambda \mathcal{N}$, in the second se			
$\frac{1}{2}$	vv	••								pm	front
зо авру											
20 dBuV											
20 0004											
10 dBµ\											
10 0004											
0 dBuV-											
CF 2.4	12 GH	z				691 pt	5			Spa	n 2.0 MHz
Marker											
Type	Ref	Trc	X-valu	ie	Y-1	value	Func	tion	Fund	tion Result	t
M1		1		093 GHz		2.81 dBµV					
M2		1	2.40165	557 GHz		2.10 dBµV					
D3	M1	1	53	32.6 kHz		-0.14 dB					



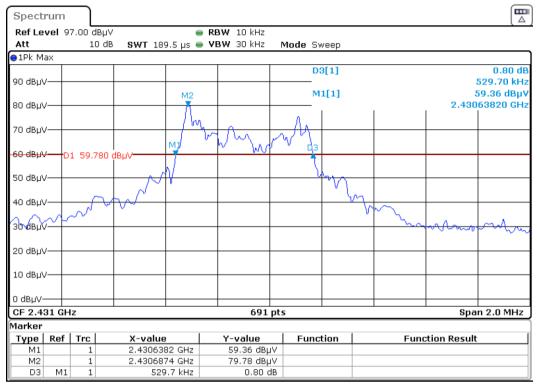
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction 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 unlawfui 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.

or email: <u>CN.Doccheck@sgs.com</u> No.10 Weiye Road, Development Zone, Kunshan, Jiangsu, China 215300 ((86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn 中国・江苏・昆山开发区伟业路10号 邮编: 215300 ((86-512)57355888 f(86-512)57370818 sgs.china@sgs.com

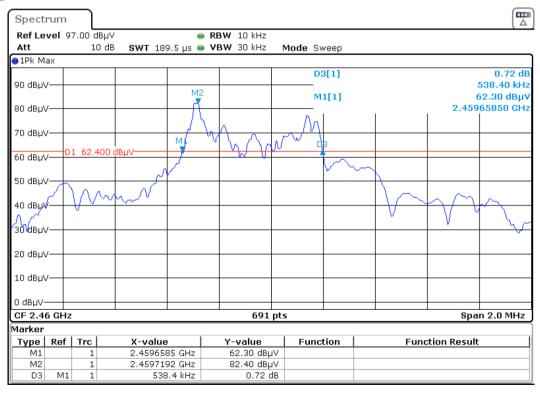


Report No.: KSCR230400068601 Page: 14 of 41

2431MHz



2460MHz





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 <u>https://www.ags.com/en/Terms-and-Conditions</u>. 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 faisification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only. **Attention:** To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: (SN_Doccheck@ags.com).

of email: <u>CN_Doccheck@sgs.com</u> No.10 Weiye Road, Development Zone, Kunshan, Jiangsu, China 215300 ((86-512)57355888 f(86-512)573570818 www.sgsgroup.com.cn 中国•江苏•昆山开发区伟业路10号 邮编: 215300 ((86-512)57355888 f(86-512)57370818 sgs.china@sgs.com



Report No.: KSCR230400068601 Page: 15 of 41

7.2 Field Strength of the Fundamental Signal (15.249(a))

Test Requirement	47 CFR Part 15, Subpart C 15.249(a)
Test Method:	ANSI C63.10 (2013) Section 6.5&6.6
Measurement Distance:	3m

Limit:

Fundamental frequency(MHz)	Field strength of fundamental(millivolts/meter)	Field strength of harmonics(microvolts/meter)
902-928	50	500
2400-2483.5	50	500
5725-5875	50	500
24000-24250	250	2500

Remark: The frequencies above 1000MHz are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.

For fundamental frequency in "902-928MHz", the field strength of fundamental is based on Quasi-Peak.

7.2.1 E.U.T. Operation

Operating Environment:							
Temperature:	25.1 °C	Humidity:	44.2 % RH	Atmospheric Pressure:	1010	mbar	

7.2.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode_Keep the EUT in transmitting with modulation mode.



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 <u>https://www.sgs.com/en/Terms-and-Conditions</u>. 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 connot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or faisification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only. Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@ags.com

of email: <u>CN-Doceneckages.com</u> No.10 Weiye Road, Development Zone, Kunshan, Jiangsu, China 215300 中国・江苏・昆山开发区伟业路10号 邮编: 215300 t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com



Report No.: KSCR230400068601 Page: 16 of 41

3m Antenna Towe FUT FUT Ground Reference Plan Ground Reference Plane Test Receiver **Test Receiver** 30MHz-1GHz Above 1GHz

7.2.3 Test Setup Diagram

7.2.4 Measurement Procedure and Data

a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.

b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.

c.The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

d. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

e.For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

f.The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

g.If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

h.Test the EUT in the lowest channel, the middle channel, the Highest channel.

i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.

j.Repeat above procedures until all frequencies measured was complete.

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



Unless otherwise agreed in writing, this document is issued b					
available on request or accessible at https://www.sgs.com	/en/Terr	ns-and-Co	nditions. Attention	is drawn to the li	mitation of liability,
indemnification and jurisdiction issues defined therein. Any h	older of	this docun	nent is advised tha	t information contai	ined hereon reflects
the Company's findings at the time of its intervention only	and wi	thin the lin	nits of Client's ins	tructions, if any. T	he Company's sole
responsibility is to its Client and this document does not exor	nerate p	arties to a	transaction from ex	ercising all their right	ahts and obligations
under the transaction documents. This document cannot be r	eprodu	ced except	in full, without prio	r written approval o	f the Company. Any
unauthorized alteration, forgery or falsification of the content	or appe	arance of th	his document is unl	awful and offenders	may be prosecuted
to the fullest extent of the law. Unless otherwise stated the r	results :	shown in th	is 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 /inspectio	n repor	t & certific	ate, please conta	ct us at telephone	: (86-755) 8307 1443,
or email: CN.Doccheck@sgs.com			A REAL TON OF LINE AND AND	Sector Contraction of the sector	
No.10 Weiye Road, Development Zone, Kunshan, Jiangsu,	China	215300	t(86-512) 5735 5888	f(86-512) 57370818	www.sgsgroup.com.cn
中国・江苏・昆山开发区伟业路10号	邮编:	215300	t(86-512) 57355888	f(86-512) 57370818	sgs.china@sgs.com



Report No.: KSCR230400068601 Page: 17 of 41

Frequency (MHz)	Read Level (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Detector	Polarization
2402	106.18	-19.38	86.80	94.00	-7.20	Peak	Horizontal
	100.40	-19.38	81.02	94.00	-12.98	Peak	Vertical

Frequency (MHz)	Read Level (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Detector	Polarization
0404	105.92	-19.03	86.89	94.00	-7.11	Peak	Horizontal
2431	100.24	-19.03	81.21	94.00	-12.79	Peak	Vertical

Frequency (MHz)	Read Level (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Detector	Polarization
2460	106.56	-18.83	87.70	94.00	-6.30	Peak	Horizontal
	96.72	-18.83	77.89	94.00	-16.11	Peak	Vertical

Remark: If the Peak value below the AV Limit, the AV test doesn't perform for this submission.



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 <u>https://www.sgs.com/en/Terms-and-Conditions</u>. 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). Revents the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: (8.V. Doccheck@agas.com).

or email: <u>CN_Doceneckesga.com</u> No.101Weiye Road, Development Zone, Kunshan, Jiangsu, China 215300 中国・江苏・昆山开发区伟业路10号 邮编: 215300 tt(86-512)57355888 ft(86-512)57357888 sgs.china@sgs.com



Report No.: KSCR230400068601 Page: 18 of 41

7.3 Restricted Band Around Fundamental Frequency

Test Requirement47 CFR Part 15, Subpart C 15.205 & 15.249(d) & 15.209Test Method:ANSI C63.10 (2013) Section 6.10.5Measurement Distance:3m

Limit:

Frequency	Limit (dBuV/m @3m)	Remark
30MHz-88MHz	40.0	Quasi-peak Value
88MHz-216MHz	43.5	Quasi-peak Value
216MHz-960MHz	46.0	Quasi-peak Value
960MHz-1GHz	54.0	Quasi-peak Value
Above 1GHz	54.0	Average Value
Above 1GHz	74.0	Peak Value
Emission radiated outside of the sp	ecified frequency bands except for h	armonics shall be attenuated by

Emission radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in Section 15.209, whichever is the lesser attenuation.

7.3.1 E.U.T. Operation

Operating Environment:

1 0						
Temperature:	25.1 °C	Humidity:	44.2 % RH	Atmospheric Pressure:	1010	mbar

7.3.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode_Keep the EUT in transmitting with modulation mode.



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 <u>https://www.sgs.com/en/Terms-and-Conditions</u>. 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 aiteration, forgery or faisification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only. **Attention:** To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@ass.com



Report No.: KSCR230400068601 Page: 19 of 41

3m FUT EUT Ground Reference Pla Ground Reference Plan Test Receiver **Test Receiver** Above 1GHz

7.3.3 Test Setup Diagram

30MHz-1GHz

7.3.4 Measurement Procedure and Data

a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.

b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.

c. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

d. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

e. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

g. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

h. Test the EUT in the lowest channel, the middle channel, the Highest channel.

i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.

j. Repeat above procedures until all frequencies measured was complete.

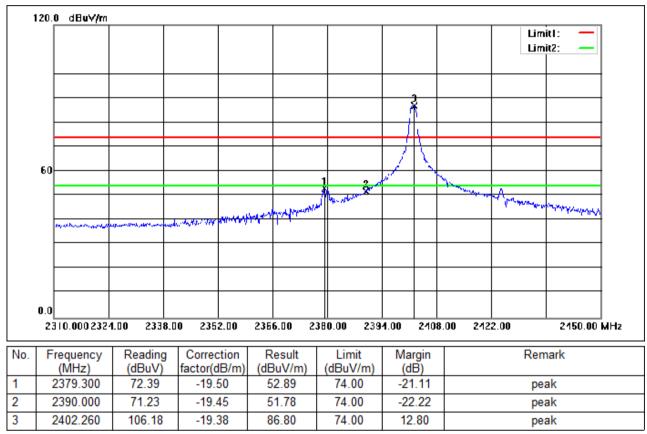
Remark: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor



Unless otherwise agreed in writing, this document is issued b available on request or accessible at https://www.sgs.com					
indemnification and jurisdiction issues defined therein. Any h					
the Company's findings at the time of its intervention only					
responsibility is to its Client and this document does not exor					
under the transaction documents. This document cannot be r	eprodu	ced except	in full, without prio	r written approval o	of the Company. Any
unauthorized alteration, forgery or falsification of the content					
to the fullest extent of the law. Unless otherwise stated the r	results :	shown in th	is 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 /inspectio	n repor	t & certific	ate, please conta	ct us at telephone	: (86-755) 8307 1443,
or email: CN.Doccheck@sgs.com			Service and service and the service and		
No.10 Weiye Road, Development Zone, Kunshan, Jiangsu,	China	215300	t(86-512) 5735 5888	f(86-512) 57370818	www.sgsgroup.com.cn
中国・江苏・昆山开发区伟业路10号	邮编:	215300	t(86-512) 57355888	f(86-512) 57370818	sgs.china@sgs.com



Report No.: KSCR230400068601 Page: 20 of 41



2402MHz Horizontal

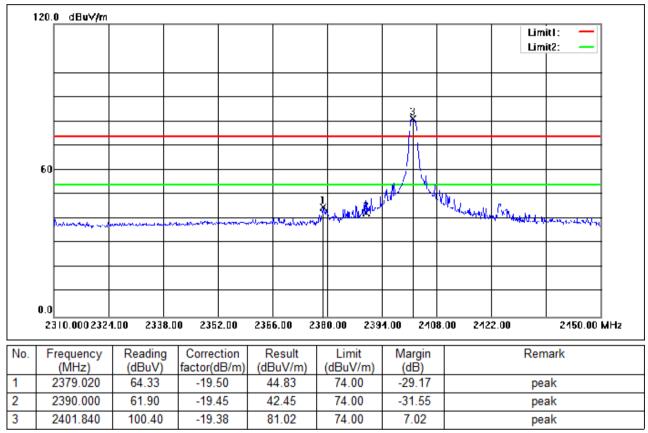


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction 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.

or email: <u>CN_Doccheck@sgs.com</u> No.10Weiye Road, Development Zone, Kunshan, Jiangsu, China 215300 (186-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn 中国・江苏・昆山开发区伟业路10号 邮编: 215300 (186-512)57355888 f(86-512)57370818 sgs.china@sgs.com



Report No.: KSCR230400068601 Page: 21 of 41



2402MHz Vertical

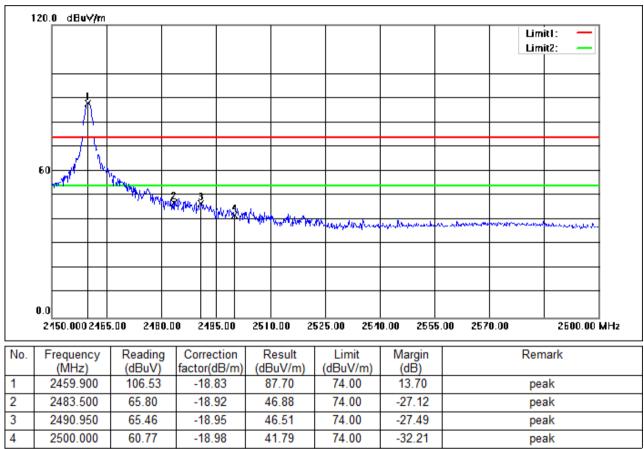


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <u>https://www.sgs.com/en/Terms-and-Conditions</u>. Attention is drawn to the limitation of liability, indemnification and jurisdiction 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@ags.com

or email: <u>CN_Doccheck@sega.com</u> No.10 Weiye Road, Development Zone, Kunshan, Jiangsu, China 215300 t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn 中国・江苏・昆山开发区伟业路10号 邮编: 215300 t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com



Report No.: KSCR230400068601 Page: 22 of 41



2460MHz Horizontal

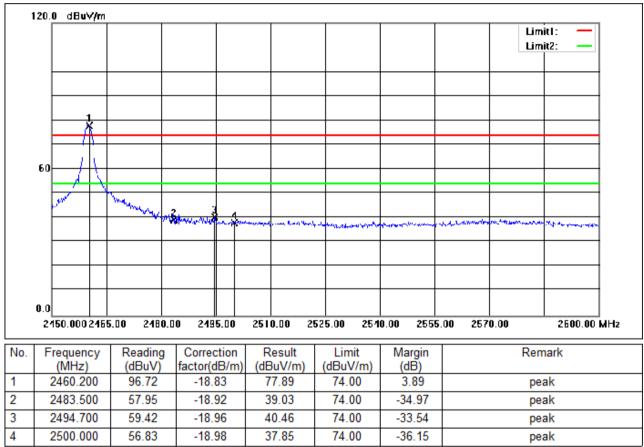


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <u>https://www.sgs.com/en/Terms-and-Conditions</u>. Attention is drawn to the limitation of liability, indemnification and jurisdiction 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 aiteration, forgery or faisification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only. **Attention:** To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@ass.com

or email: CN Doceneex@sgs.com No.10 Weiye Road, Development Zone, Kunshan, Jiangsu, China 215300 t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn 中国・江苏・昆山开发区伟业路10号 邮编: 215300 t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com



Report No.: KSCR230400068601 Page: 23 of 41



2460MHz Vertical



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 <u>https://www.sgs.com/en/Terms-and-Conditions</u>. 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 connot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or faisification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only. Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@ags.com

or email: <u>CN_DocCheck@sgs.com</u> No.10Weiye Road, Development Zone, Kunshan, Jiangsu, China 215300 t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn 中国・江苏・昆山开发区伟业路10号 邮编: 215300 t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com



Report No.: KSCR230400068601 Page: 24 of 41

7.4 Radiated Emissions Below 1GHz

Test Requirement	47 CFR Part 15, Subpart C 15.209 & 15.249 (a),(d)
Test Method:	ANSI C63.10 (2013) Section 6.4&6.5
Measurement Distance:	3m

Limit:

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
960-1000	500	3

7.4.1 E.U.T. Operation

Operating Environment:

Temperature:	25.1 °C	Humidity:	44.2 % RH	Atmospheric Pressure:	1010	mbar
--------------	---------	-----------	-----------	-----------------------	------	------

7.4.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode_Keep the EUT in transmitting with modulation mode.

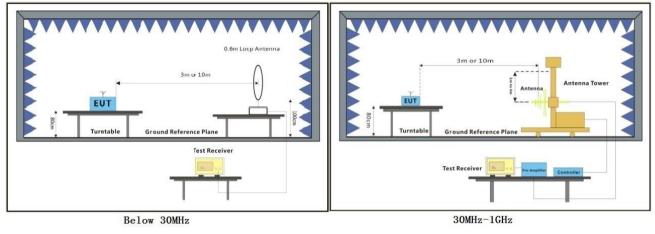


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <u>https://www.sgs.com/en/Terms-and-Conditions</u>. Attention is drawn to the limitation of liability, indemnification and jurisdiction 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). Revents the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: (8.V. Doccheck@agas.com).



Report No.: KSCR230400068601 Page: 25 of 41

7.4.3 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 https://www.sgs.com/en/Terms-and-Conditions. 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 Cilent's instructions, if any. The Company's sole responsibility is to its Cilent 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 faisification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only. Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN Doccheck@sas.com"

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-75) 830/1443, or cenail: CN_Doccheck@sgs.com No.10 Weiye Road, Development Zone, Kunshan, Jiangsu, China 215300 t(86-512) 57355888 f(86-512) 57370818 www.sgsgroup.com.cn 中国・江苏・昆山开发区伟业路10号 邮编: 215300 t(86-512) 57355888 f(86-512) 57370818 sgs.china@sgs.com



Report No.: KSCR230400068601 Page: 26 of 41

7.4.4 Measurement Procedure and Data

a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.

b. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using quasi-peak method as specified and then reported in a data sheet.

g. Test the EUT in the lowest channel, the middle channel, the Highest channel.

h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.

i. Repeat above procedures until all frequencies measured was complete.

Remark:

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

2. Scan from 9kHz to 30MHz, the disturbance below 30MHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.

3. The disturbance below 1GHz was very low and the harmonics were the highest point could be found when testing, so only the above harmonics had been displayed.

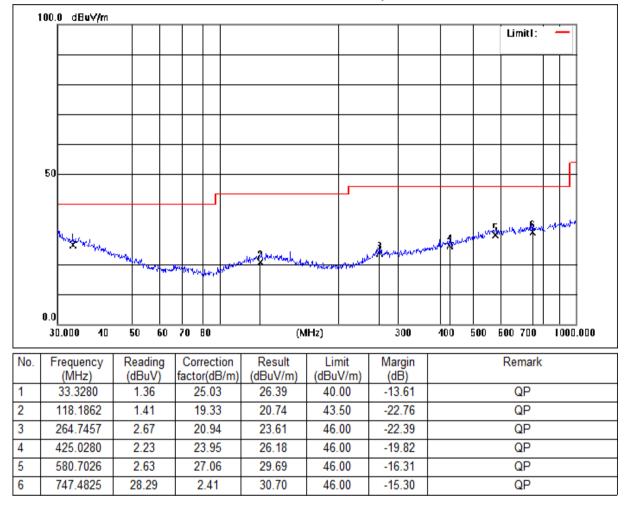


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <u>https://www.sgs.com/en/Terms-and-Conditions</u>. Attention is drawn to the limitation of liability, indemnification and jurisdiction 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,

01 email: <u>Ch. Joeceneexeesgs.com</u> No.10 Weiye Road, Development Zone, Kunshan, Jiangsu, China 215300 中国・江苏・昆山开发区伟业路10号 邮编: 215300 t(86-512)57355888 t(86-512)57370818 sgs.china@sgs.com



Report No.: KSCR230400068601 Page: 27 of 41



Test Mode: 2042MHz; Polarity: Horizontal

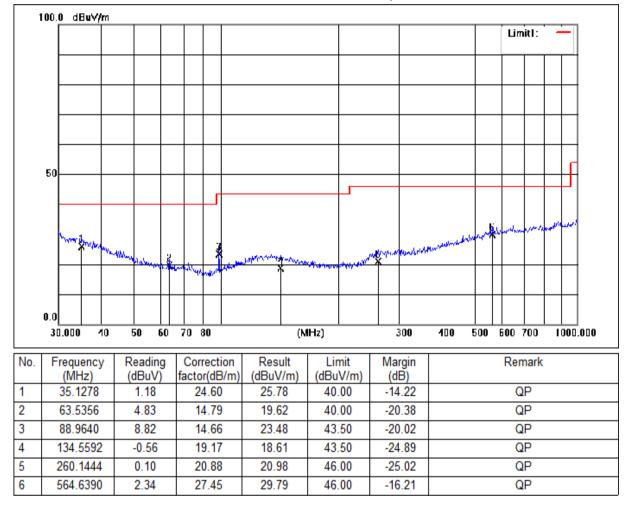


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <u>https://www.sgs.com/en/Terms-and-Conditions</u>. Attention is drawn to the limitation of liability, indemnification and jurisdiction 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 aiteration, forgery or faisification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only. **Attention:** To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@ass.com

or email: <u>CN.Doccheck@sgs.com</u> No.10 Weiye Road, Development Zone, Kunshan, Jiangsu, China 215300 中国・江苏・昆山开发区伟业路10号 邮编: 215300 t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn + 166-512)57355888 f(86-512)57370818 sgs.china@sgs.com



Report No.: KSCR230400068601 Page: 28 of 41



Test Mode: 2402MHz; Polarity: Vertical

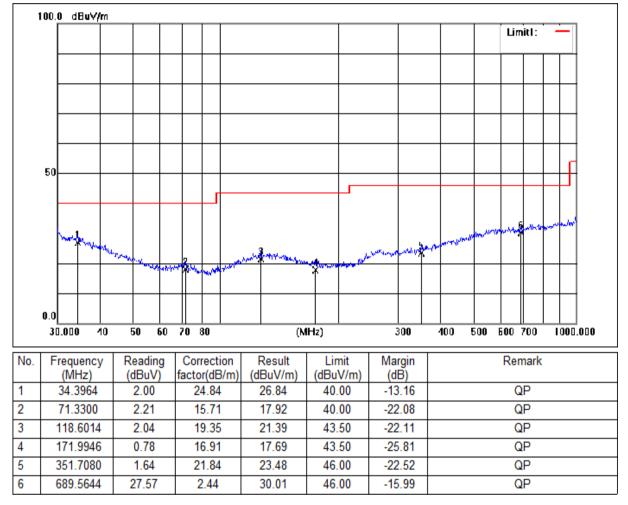


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <u>https://www.sgs.com/en/Terms-and-Conditions</u>. Attention is drawn to the limitation of liability, indemnification and jurisdiction 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 connot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or faisification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only. Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@ags.com

or email: <u>CN.Doccheck@sgs.com</u> No.10 Weiye Road, Development Zone, Kunshan, Jiangsu, China 215300 ((86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn 中国・江苏・昆山开发区伟业路10号 邮编: 215300 ((86-512)57355888 f(86-512)57370818 sgs.china@sgs.com



Report No.: KSCR230400068601 Page: 29 of 41



Test Mode: 2431MHz; Polarity: Horizontal

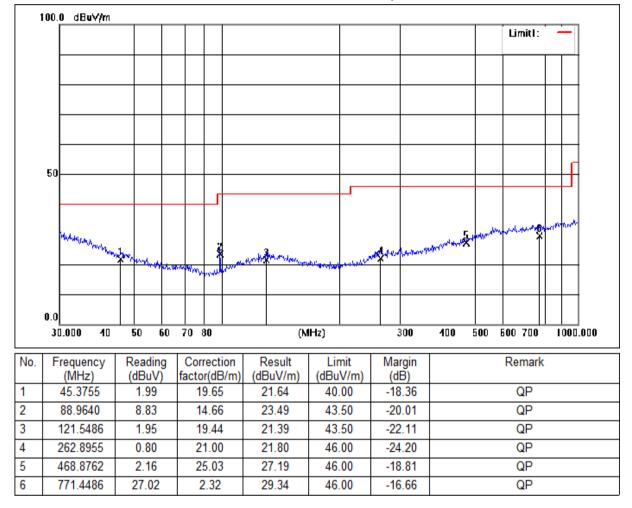


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <u>https://www.sgs.com/en/Terms-and-Conditions</u>. Attention is drawn to the limitation of liability, indemnification and jurisdiction 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). Revents the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: (8.V. Doccheck@agas.com).

or email: CN Doccreeck@sgs.com No.10 Weilye Road, Development Zone, Kunshan, Jiangsu, China 215300 t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn 中国・江苏・昆山开发区伟业路10号 邮编: 215300 t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com



Report No.: KSCR230400068601 Page: 30 of 41



Test Mode: 2431MHz; Polarity: Vertical

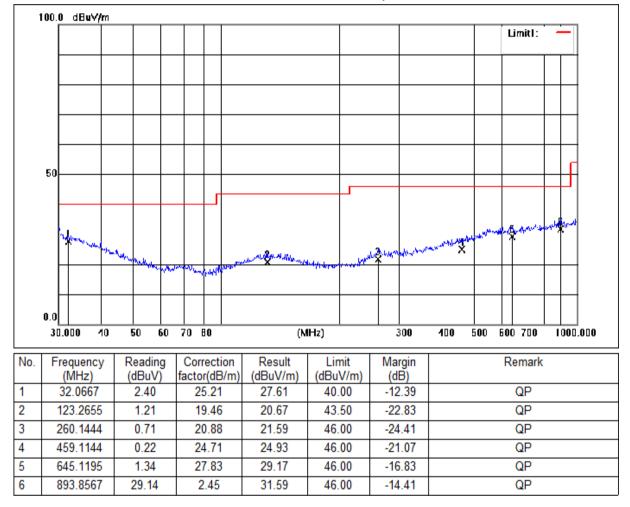


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <u>https://www.sgs.com/en/Terms-and-Conditions</u>. Attention is drawn to the limitation of liability, indemnification and jurisdiction 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 aiteration, forgery or faisification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only. **Attention:** To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@ass.com

or email: <u>CN_Doccheck@egas.com</u> No.10 Weiye Road, Development Zone, Kunshan, Jiangsu, China 215300 t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn 中国・江苏・昆山开发区伟业路10号 邮编: 215300 t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com



Report No.: KSCR230400068601 Page: 31 of 41



Test Mode: 2460MHz; Polarity: Horizontal

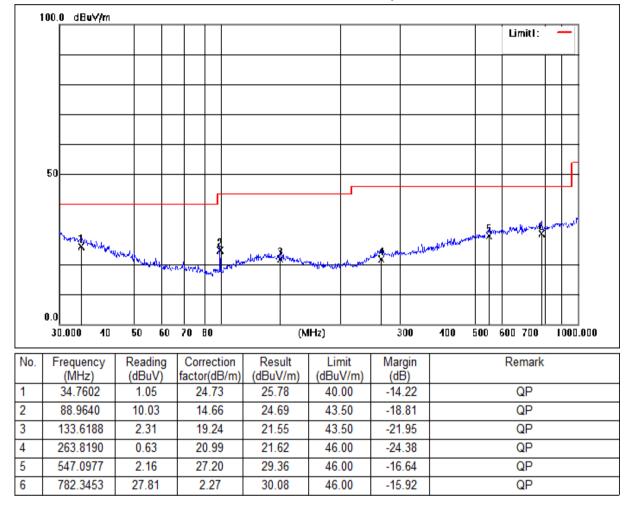


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <u>https://www.sgs.com/en/Terms-and-Conditions</u>. Attention is drawn to the limitation of liability, indemnification and jurisdiction 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). Revents the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: (8.V. Doccheck@agas.com).

or email: <u>CN_Doccheck@ega.com</u> No.10 Weiye Road, Development Zone, Kunshan, Jiangsu, China 215300 t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn 中国 · 江苏 · 昆山开发区伟业路10号 邮编: 215300 t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com



Report No.: KSCR230400068601 Page: 32 of 41



Test Mode: 2460MHz; Polarity: Vertical



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 <u>https://www.sgs.com/en/Terms-and-Conditions</u>. 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). Revents the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: (8.V. Doccheck@agas.com).

or email: <u>CN_Doccheck@ega.com</u> No.10 Weiye Road, Development Zone, Kunshan, Jiangsu, China 215300 t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn 中国 · 江苏 · 昆山开发区伟业路10号 邮编: 215300 t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com



Report No.: KSCR230400068601 Page: 33 of 41

7.5 Radiated Emissions Above 1GHz

Test Requirement	47 CFR Part 15, Subpart C 15.209 & 15.249 (a),(d)
Test Method:	ANSI C63.10 (2013) Section 6.6
Measurement Distance:	3m

Limit:

Fr	requency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
	Above 1000	500	3

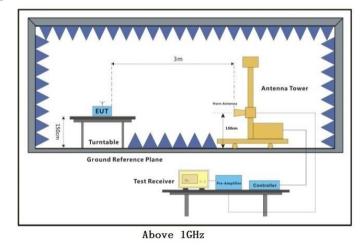
7.5.1 E.U.T. Operation

Operating Enviro	nment:					
Temperature:	25.1 °C	Humidity:	44.2 % RH	Atmospheric Pressure:	1010	mbar

7.5.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode_Keep the EUT in transmitting with modulation mode.

7.5.3 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 https://www.sgs.com/en/Terms-and-Conditions. 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.

No.10 Weiye Road, Development Zone, Kunshan, Jiangsu, China 215300 tt(86-512)57355888 ft(86-512)57370818 www.sgsgroup.com.cn 中国・江苏・昆山开发区伟业路10号 邮编: 215300 tt(86-512)57355888 ft(86-512)57370818 sgs.china@sgs.com



Report No.: KSCR230400068601 Page: 34 of 41

7.5.4 Measurement Procedure and Data

a. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.

b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak or average method as specified and then reported in a data sheet.

g. Test the EUT in the lowest channel, the middle channel, the Highest channel.

h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.

i. Repeat above procedures until all frequencies measured was complete.

Remark:

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

2. Scan from 18GHz to 40GHz, the disturbance above 18GHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.

3. As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.

4. The disturbance above 18GHz were very low and the harmonics were the highest point could be found when testing, so only the above harmonics had been displayed.

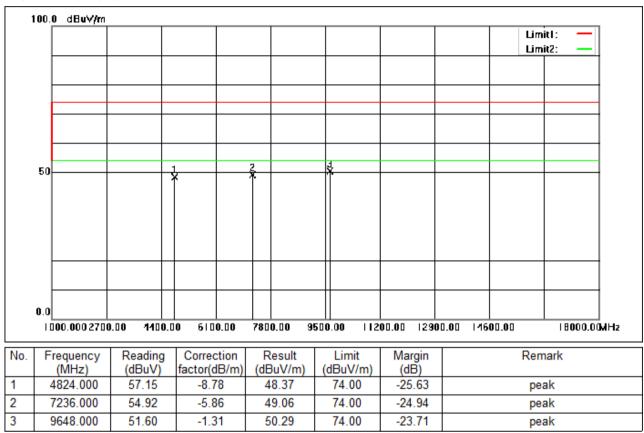


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction 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 Cilent'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,**

of anal Ch_Doc Intervised 2007 か.10 Weilye Road, Development Zone, Kunshan, Jiangsu, China 215300 t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn 中国・江苏・昆山开发区伟业路10号 邮编: 215300 t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com



Report No.: KSCR230400068601 Page: 35 of 41



2402MHz Horizontal

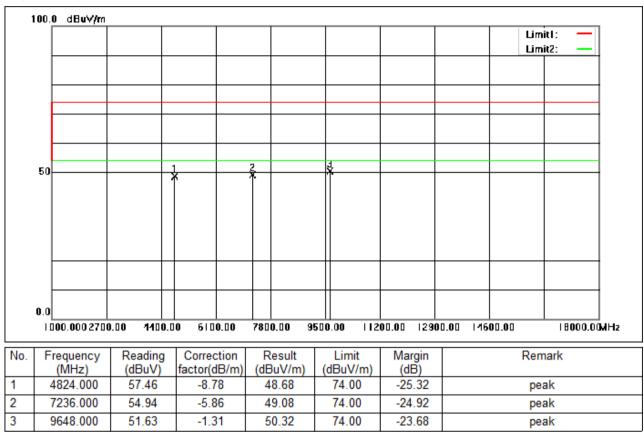


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <u>https://www.sgs.com/en/Terms-and-Conditions</u>. Attention is drawn to the limitation of liability, indemnification and jurisdiction 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@ags.com

or email: <u>CN_Doccheck@sega.com</u> No.10 Weiye Road, Development Zone, Kunshan, Jiangsu, China 215300 t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn 中国・江苏・昆山开发区伟业路10号 邮编: 215300 t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com



Report No.: KSCR230400068601 Page: 36 of 41



2402MHz Vertical

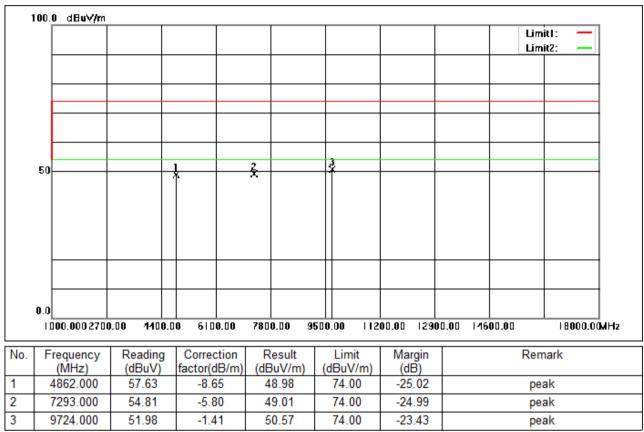


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction 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.

oremail: <u>CN_Doccheck@sgs.com</u> No.10Weilye Road, Development Zone, Kunshan, Jiangsu, China 215300 (186-512)57355888 (186-512)57370818 www.sgsgroup.com.cn 中国・江苏・昆山开发区伟业路10号 邮编: 215300 (186-512)57355888 (186-512)57370818 sgs.china@sgs.com



Report No.: KSCR230400068601 Page: 37 of 41



2431MHz Horizontal

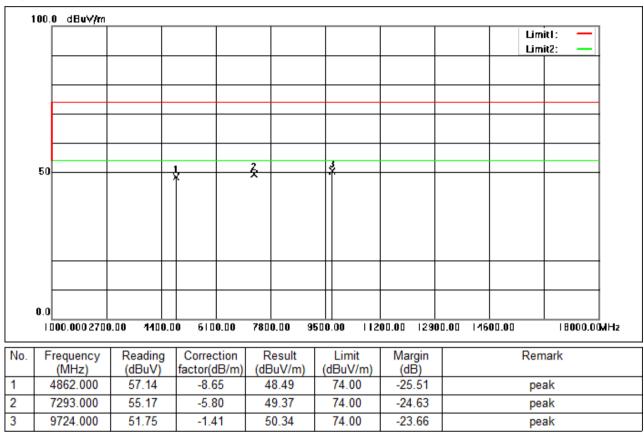


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <u>https://www.sgs.com/en/Terms-and-Conditions</u>. Attention is drawn to the limitation of liability, indemnification and jurisdiction 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@ags.com

or email: <u>CN_Docenetwasga.com</u> No.101Weiye Road, Development Zone, Kunshan, Jiangsu, China 215300 中国・江苏・昆山开发区伟业路10号 邮编: 215300 t(86-512)57355888 f(86-512)573578618 www.sgsgroup.com.cn t(86-512)57355888 f(86-512)573578618 sgs.china@sgs.com



Report No.: KSCR230400068601 Page: 38 of 41



2431MHz Vertical

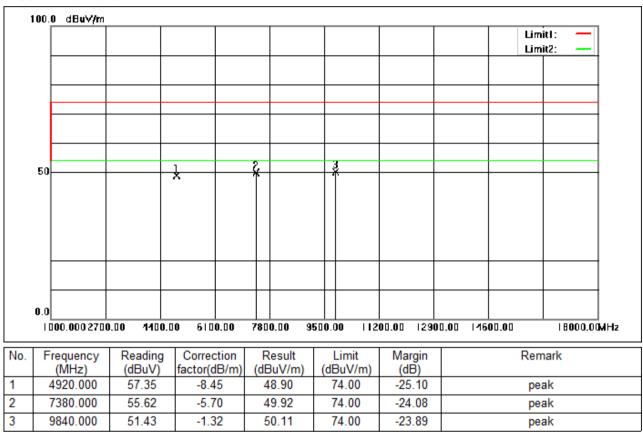


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <u>https://www.sgs.com/en/Terms-and-Conditions</u>. Attention is drawn to the limitation of liability, indemnification and jurisdiction 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@ags.com

or email: <u>CN_Doccheck@egas.com</u> No.10 Weiye Road, Development Zone, Kunshan, Jiangsu, China 215300 t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn 中国・江苏・昆山开发区伟业路10号 邮编: 215300 t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com



Report No.: KSCR230400068601 Page: 39 of 41



2460MHz Horizontal

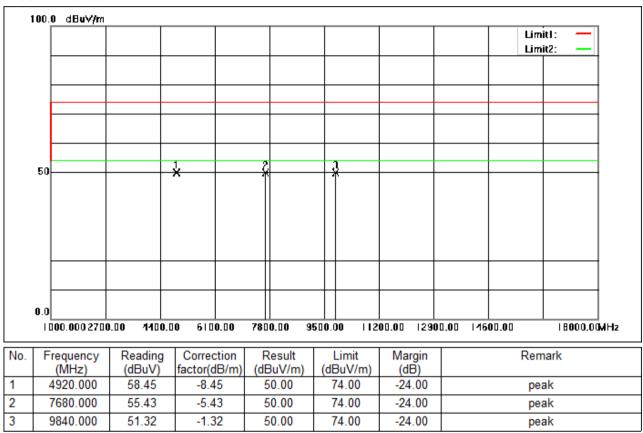


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <u>https://www.sgs.com/en/Terms-and-Conditions</u>. Attention is drawn to the limitation of liability, indemnification and jurisdiction 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@ags.com

or email: <u>CN_Docenetwasga.com</u> No.101Weiye Road, Development Zone, Kunshan, Jiangsu, China 215300 中国・江苏・昆山开发区伟业路10号 邮编: 215300 t(86-512)57355888 f(86-512)573578618 www.sgsgroup.com.cn t(86-512)57355888 f(86-512)573578618 sgs.china@sgs.com



Report No.: KSCR230400068601 Page: 40 of 41



2460MHz Vertical



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 <u>https://www.sgs.com/en/Terms-and-Conditions</u>. 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@ags.com

or email: <u>CN_Doccheck@sga.com</u> No.10Weiye Road, Development Zone, Kunshan, Jiangsu, China 215300 (186-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn 中国・江苏・昆山开发区伟业路10号 邮编: 215300 t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com



Report No.: KSCR230400068601 Page: 41 of 41

8 Test Setup Photo

Refer to Appendix - Test Setup Photo for KSCR2304000686AT

9 EUT Constructional Details (EUT Photos)

Refer to Appendix - Photographs of EUT Constructional Details for KSCR2304000686AT

- 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 <u>https://www.sgs.com/en/Terms-and-Conditions</u>. 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 connot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or faisification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only. Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@ags.com

or email: <u>CN-Doccheck@ags.com</u> No.10 Weiye Road, Development Zone, Kunshan, Jiangsu, China 215300 中国・江苏・昆山开发区伟业路10号 邮编: 215300 tt(86-512)57355888 tt(86-512)57370818 www.sgsgroup.com.cn tt(86-512)57355888 tt(86-512)57370818 sgs.china@sgs.com