

Report No.: FYCR220500015304 Page: 1 of 60

TEST REPORT

Application No.:	FYCR2205000153AT
Applicant:	Voxx Accessories Corp.
Address of Applicant:	3502 Woodview Trace Suite 220, Indianapolis, Indiana 46268 United States
Manufacturer:	Voxx Accessories Corp.
Address of Manufacturer:	3502 Woodview Trace Suite 220, Indianapolis, Indiana 46268 United States
Factory:	Dongguan City Xinly Electronic Technology Co., Ltd
Address of Factory:	No.1 Xiangyuan Road, Jinglian Village, Qiaotou Town, Dongguan, Guangdong, China
Equipment Under Test (EUT):
EUT Name:	2.4GHz Wireless Microphone
Model No.:	SPKA27M
Trade Mark:	Singsation
FCC ID:	VIXSPKA27M
Standard(s) :	47 CFR Part 15, Subpart C 15.247
Date of Receipt:	2022-05-11
Date of Test:	2022-05-12 to 2022-06-16
Date of Issue:	2022-06-18
Test Result:	Pass*

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

WinkeyWarg

EMC Technical Manager



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-en-Cournent.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction document. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only. Attention: To back the authenticity of testing / Inspection report a certificate, please contact us at telephone: (86-755) 8307 1443,



Report No.: FYCR220500015304 Page: 2 of 60

	Revision Record					
Version	Version Chapter Date Modifier					
01		2022-06-18		Original		

Authorized for issue by:		
	Gree Zhan	
	Tree Zhan/Project Engineer	
	WinkeyWang	
	Winkey Wang/Reviewer	



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-end-Countients, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-end-Countients, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-end-Countients, subject to Terms and Conditions/Terms-end-Countients, subject to Terms and Conditions/Terms-end-Countients, approximation 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 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: Ch Doccheck the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: Ch Doccheck the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: Ch Doccheck the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: Ch Doccheck the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755)



Report No.: FYCR220500015304 Page: 3 of 60

2 Test Summary

Radio Spectrum Technical Requirement					
ltem	Standard	Method	Requirement	Result	
Antenna Requirement	47 CFR Part 15, Subpart C 15.247	N/A	47 CFR Part 15, Subpart C 15.203 & 15.247(b)(4)	Pass	

Radio Spectrum Matter Part					
Item	Standard	Method	Requirement	Result	
Conducted Peak Output Power		ANSI C63.10 (2013) Section 11.9.1	47 CFR Part 15, Subpart C 15.247(b)(3)	Pass	
Minimum 6dB Bandwidth		ANSI C63.10 (2013) Section 11.8.1	47 CFR Part 15, Subpart C 15.247a(2)	Pass	
Power Spectrum Density		ANSI C63.10 (2013) Section 11.10.2	47 CFR Part 15, Subpart C 15.247(e)	Pass	
Conducted Band Edges Measurement		ANSI C63.10 (2013) Section 11.13.3.2	47 CFR Part 15, Subpart C 15.247(d)	Pass	
Conducted Spurious Emissions	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 11.11	47 CFR Part 15, Subpart C 15.247(d)	Pass	
Radiated Emissions which fall in the restricted bands		ANSI C63.10 (2013) Section 6.10.5	47 CFR Part 15, Subpart C 15.205 & 15.209	Pass	
Radiated Spurious Emissions Below 1GHz		ANSI C63.10 (2013) Section 6.4,6.5	47 CFR Part 15, Subpart C 15.205 & 15.209	Pass	
Radiated Spurious Emissions Above 1GHz		ANSI C63.10 (2013) Section 6.6	47 CFR Part 15, Subpart C 15.205 & 15.209	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 http://www.sgs.com/en/Terms-and-Conditions.asp and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-a-Document.asp. 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)83071443, or a smill CN Doccheck/Mass.com



Report No.: FYCR220500015304 Page: 4 of 60

3 Contents

		Page
1	I COVER PAGE	1
2	2 TEST SUMMARY	3
2	3 CONTENTS	Α
3		
4	4 GENERAL INFORMATION	6
	4.1 DETAILS OF E.U.T.	
	 4.2 DESCRIPTION OF SUPPORT UNITS 4.3 MEASUREMENT UNCERTAINTY 	
	4.3 MEASUREMENT ONCERTAINTY	
	4.5 TEST FACILITY	
	4.6 DEVIATION FROM STANDARDS	
	4.7 ABNORMALITIES FROM STANDARD CONDITIONS	
5	5 EQUIPMENT LIST	8
6	6 RADIO SPECTRUM TECHNICAL REQUIREMENT	
	6.1 ANTENNA REQUIREMENT	12
	6.1.1 Test Requirement:	
	6.1.2 Conclusion	
7	7 RADIO SPECTRUM MATTER TEST RESULTS	13
	7.1 CONDUCTED PEAK OUTPUT POWER	13
	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 MINIMUM 6DB BANDWIDTH	
	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 Data7.3 POWER SPECTRUM DENSITY	
	7.3.1 E.U.T. Operation	
	7.3.2 Test Mode Description	
	7.3.3 Test Setup Diagram	
	7.3.4 Measurement Procedure and Data	
	7.4 CONDUCTED BAND EDGES MEASUREMENT 7.4.1 E.U.T. Operation	
	7.4.1 E.O.T. Operation 7.4.2 Test Mode Description	
	7.4.3 Test Setup Diagram	
	7.4.4 Measurement Procedure and Data	
	7.5 CONDUCTED SPURIOUS EMISSIONS	
	7.5.1 E.U.T. Operation	
	7.5.2 Test Mode Description	



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.asp and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-a-Document.asp. 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)83071443, or email: CN_Doccheck@gss.com



Report No.: FYCR220500015304 Page: 5 of 60

7.5.3	Test Setup Diagram	
7.5.4	Measurement Procedure and Data	
7.6 F	RADIATED EMISSIONS WHICH FALL IN THE RESTRICTED BANDS	
7.6.1	E.U.T. Operation	
7.6.2	Test Mode Description	
7.6.3	Test Setup Diagram	
7.6.4	Measurement Procedure and Data	
7.7 F	RADIATED SPURIOUS EMISSIONS BELOW 1GHZ	
7.7.1	E.U.T. Operation	
7.7.2	Test Mode Description	
7.7.3	Test Setup Diagram	
7.7.4	Measurement Procedure and Data	
7.8 F	RADIATED SPURIOUS EMISSIONS ABOVE 1GHZ	
7.8.1	E.U.T. Operation	
7.8.2	Test Mode Description	
7.8.3	Test Setup Diagram	
7.8.4	Measurement Procedure and Data	
8 TEST	SETUP РНОТО	40
9 EUT C	CONSTRUCTIONAL DETAILS (EUT PHOTOS)	40
10 APPE	NDIX	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 http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-en-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Cilent's instructions, if any. The Company's sole responsibility is to its Cilent and this document cannot be reproduced except in full, without prior written approval of the Company hav, nuarthorized 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 amail: CN DoccheckBas.com



Report No.: FYCR220500015304 Page: 6 of 60

4 General Information

4.1 Details of E.U.T.

Power Supply:	DC 3.0V (2*1.5V "AA" Size Batteries) for wireless microphone.
Operation Frequency:	2402MHz to 2480MHz
Bluetooth Version:	V5.3 Dual mode
Modulation Type:	GFSK
Data Rate:	1M/bit
Number of Channels:	40
Channel Spacing:	2MHz
Antenna Type:	PCB Antenna
Antenna Gain:	-0.58dBi

4.2 Description of Support Units

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

4.3 Measurement Uncertainty

Test Item	Measurement Uncertainty
Conducted Peak Output Power	± 0.8dB
Minimum 6dB Bandwidth	± 0.3%
Power Spectrum Density	± 0.4dB
Conducted Band Edges Measurement	± 2.7dB
Conducted Spurious Emissions	± 2.7dB
Radiated Emissions which fall in the restricted bands	± 4.4dB (Above 1GHz)
Radiated Spurious Emissions Below 1GHz	± 3.1dB (Below 1GHz)
Radiated Spurious Emissions Above 1GHz	± 4.4dB (Above 1GHz)



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-en-Cournent.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction document. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extend for 30 days only. Attention: Deteck the authenticity of testing fingercial engerical can be authenticate, please contact us at telephone: (86-755) 8307 1443, Attention: To breek the authenticity of testing fingercian period accentificate, please contact us at telephone: (86-755) 8307 1443,



Report No.: FYCR220500015304 Page: 7 of 60

4.4 Test Location

All tests were performed at:

 $\label{eq:compliance} \mbox{Compliance Certification Services (Kunshan) Inc. Shenzhen branch.}$

Fuyong lab. Xinlong TechnoPark, Fengtang Road, Fuyong Subdistrict, Bao'an, Shenzhen, China Tel: +86 755 8866 3988 Fax: +86 755 2671 0594

No tests were sub-contracted.

4.5 Test Facility

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

• A2LA (Certificate No. 6606.01)

Compliance Certification Services (Kunshan) Inc. Shenzhen branch is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 6606.01.

• FCC –Designation Number: CN1322

Compliance Certification Services (Kunshan) Inc. Shenzhen branch has been recognized as an accredited testing laboratory.

Designation Number: CN1322. Test Firm Registration Number: 718073

• Innovation, Science and Economic Development Canada

Compliance Certification Services (Kunshan) Inc. Shenzhen branch has been recognized by ISED as an accredited testing laboratory.

CAB identifier: CN0129.

IC#: 28189.

4.6 Deviation from Standards

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 <u>http://www.sgs.com/en/Terms-and-Conditions.aspx</u> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <u>http://www.sgs.com/en/Terms-and-Conditions/Terms-en-Conditions/Terms-en-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 document. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) lested and such sample(s) are retained for 30 days only. Attention: <u>Deteck the authenticity of testing / Inspection report & certificate, please contact us at telephone</u>; (86-755) 8307 1443,



Report No.: FYCR220500015304 Page: 8 of 60

5 Equipment List

Conducted Peak Output Power					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2021/7/13	2022/7/12
Power Sensor	Erika Fiedler	U2021XA	SEM009-15	2021/7/13	2022/7/12
Programmable DC Source	Chroma	62024P-80-60	SEM011-09	2021/7/13	2022/7/12
Attenuator(18GHz, 20dB, 2W)	Huber+Suhner	6620_SMA-50- 1	SEM021-09	2021/7/13	2022/7/12

Minimum 6dB Bandwidth					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2021/7/13	2022/7/12
MXA Signal Analyzer(10Hz- 26.5GHz)	Agilent	N9020A	SEM004-20	2021/7/13	2022/7/12
Signal Generator(9kHz- 40GHz)	Agilent	N5173B	SEM006-05	2021/7/13	2022/7/12
ESG Vector Signal Generator(250kHz- 6GHz)	Agilent	E4438C	SEM006-15	2021/7/13	2022/7/12
Power Sensor	Erika Fiedler	U2021XA	SEM009-15	2021/7/13	2022/7/12
Power Sensor	Erika Fiedler	U2021XA	SEM009-16	2021/7/13	2022/7/12
Wideband Radio Communication Tester	Rohde & Schwarz	CMW 500	SEM010-08	2021/7/13	2022/7/12
Programmable DC Source	Chroma	62024P-80-60	SEM011-09	2021/7/13	2022/7/12
Attenuator(18GHz, 20dB, 2W)	Huber+Suhner	6620_SMA-50- 1	SEM021-09	2021/7/13	2022/7/12

Power Spectrum Density						
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date	
Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2021/7/13	2022/7/12	
MXA Signal Analyzer(10Hz- 26.5GHz)	Agilent	N9020A	SEM004-20	2021/7/13	2022/7/12	
Signal Generator(9kHz- 40GHz)	Agilent	N5173B	SEM006-05	2021/7/13	2022/7/12	



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.asp and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-a-Document.asp. 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)83071443, or email: CN.Doccheck@ass.com



Report No.: FYCR220500015304 Page: 9 of 60

ESG Vector Signal Generator(250kHz- 6GHz)	Agilent	E4438C	SEM006-15	2021/7/13	2022/7/12
Power Sensor	Erika Fiedler	U2021XA	SEM009-15	2021/7/13	2022/7/12
Power Sensor	Erika Fiedler	U2021XA	SEM009-16	2021/7/13	2022/7/12
Wideband Radio Communication Tester	Rohde & Schwarz	CMW 500	SEM010-08	2021/7/13	2022/7/12
Programmable DC Source	Chroma	62024P-80-60	SEM011-09	2021/7/13	2022/7/12
Attenuator(18GHz, 20dB, 2W)	Huber+Suhner	6620_SMA-50- 1	SEM021-09	2021/7/13	2022/7/12

Conducted Band Edges Measurement							
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date		
Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2021/7/13	2022/7/12		
MXA Signal Analyzer(10Hz- 26.5GHz)	Agilent	N9020A	SEM004-20	2021/7/13	2022/7/12		
Signal Generator(9kHz- 40GHz)	Agilent	N5173B	SEM006-05	2021/7/13	2022/7/12		
ESG Vector Signal Generator(250kHz- 6GHz)	Agilent	E4438C	SEM006-15	2021/7/13	2022/7/12		
Power Sensor	Erika Fiedler	U2021XA	SEM009-15	2021/7/13	2022/7/12		
Power Sensor	Erika Fiedler	U2021XA	SEM009-16	2021/7/13	2022/7/12		
Wideband Radio Communication Tester	Rohde & Schwarz	CMW 500	SEM010-08	2021/7/13	2022/7/12		
Programmable DC Source	Chroma	62024P-80-60	SEM011-09	2021/7/13	2022/7/12		
Attenuator(18GHz, 20dB, 2W)	Huber+Suhner	6620_SMA-50- 1	SEM021-09	2021/7/13	2022/7/12		

Conducted Spurious Emissions						
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date	
Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2021/7/13	2022/7/12	
MXA Signal Analyzer(10Hz- 26.5GHz)	Agilent	N9020A	SEM004-20	2021/7/13	2022/7/12	
Signal Generator(9kHz- 40GHz)	Agilent	N5173B	SEM006-05	2021/7/13	2022/7/12	
ESG Vector Signal	Agilent	E4438C	SEM006-15	2021/7/13	2022/7/12	



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-enocument.aspx. Attention is drawn to the limitation of liability, indermification 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 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: CM.Doccheck@sgs.com



Report No.: FYCR220500015304 Page: 10 of 60

Generator(250kHz- 6GHz)					
Power Sensor	Erika Fiedler	U2021XA	SEM009-15	2021/7/13	2022/7/12
Power Sensor	Erika Fiedler	U2021XA	SEM009-16	2021/7/13	2022/7/12
Wideband Radio Communication Tester	Rohde & Schwarz	CMW 500	SEM010-08	2021/7/13	2022/7/12
Programmable DC Source	Chroma	62024P-80-60	SEM011-09	2021/7/13	2022/7/12
Attenuator(18GHz, 20dB, 2W)	Huber+Suhner	6620_SMA-50- 1	SEM021-09	2021/7/13	2022/7/12

Radiated Emissions which fall in the restricted bands							
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date		
Trilog-Broadband Antenna	Schwarzbeck	VULB9168	SEM003-33	2021/9/25	2024/9/24		
Biconical Antenna	Schwarzbeck	VUBA9117	SEM003-35	2021/12/26	2024/12/25		
Loop Antenna	ETS-LINDGREN	6502	SEM003-36	2021/9/26	2024/9/25		
MXE EMI receiver	Agilent	N9038A	SEM004-05	2021/7/13	2022/7/12		
Pre-amplifier	HP	8447D	SEM005-02	2021/7/13	2022/7/12		
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	SEM003-15	2021/7/11	2024/7/10		
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9120D	SEM003-32	2021/9/26	2024/9/25		
Double-ridged waveguide horn	ETS-LINDGREN	3117	SEM003-34	2021/9/25	2024/9/24		
Spectrum Analyzer	Rohde & Schwarz	101288	SEM004-08	2021/7/13	2022/7/12		
Low Noise Amplifier	CLAVIIO	BDLNA-0118- 352810	SEM005-05	2021/7/13	2022/7/12		
Pre-amplifier	Compliance Directions Systems Inc.	PAP-2640-50	SEM005-08	2021/7/13	2022/7/12		
Pre-amplifier	Rohde & Schwarz	CH14-H052	SEM005-17	2021/7/13	2022/7/12		
Pre-amplifier	TST PASS	LNA04080G30	SEM005-27	2022/4/15	2023/4/14		
Pre-amplifier	TST PASS	LNA10180G45	SEM005-28	2022/4/15	2023/4/14		

Radiated Spurious Emissions Below 1GHz						
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date	
3m Anechoic Chamber	CRT	N/A	SEM001-13	2021/7/13	2022/7/12	
Trilog-Broadband Antenna	Schwarzbeck	VULB9168	SEM003-33	2021/9/25	2024/9/24	
Biconical Antenna	Schwarzbeck	VUBA9117	SEM003-35	2021/12/26	2024/12/25	
Loop Antenna	ETS-LINDGREN	6502	SEM003-36	2021/9/26	2024/9/25	
MXE EMI receiver	Agilent	N9038A	SEM004-05	2021/7/13	2022/7/12	
Pre-amplifier	HP	8447D	SEM005-02	2021/7/13	2022/7/12	



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-en-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Cilent's instructions, if any. The Company's sole responsibility is to its Cilent and this document cannot be reproduced except in full, without prior written approval of the Company hav, nuarthorized 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: CK.Doccheck@ss.com



Report No.: FYCR220500015304 Page: 11 of 60

Radiated Spurious Emissions Above 1GHz							
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date		
Trilog-Broadband Antenna	Schwarzbeck	VULB9168	SEM003-33	2021/9/25	2024/9/24		
Biconical Antenna	Schwarzbeck	VUBA9117	SEM003-35	2021/12/26	2024/12/25		
Loop Antenna	ETS-LINDGREN	6502	SEM003-36	2021/9/26	2024/9/25		
MXE EMI receiver	Agilent	N9038A	SEM004-05	2021/7/13	2022/7/12		
Pre-amplifier	HP	8447D	SEM005-02	2021/7/13	2022/7/12		
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	SEM003-15	2021/7/11	2024/7/10		
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9120D	SEM003-32	2021/9/26	2024/9/25		
Double-ridged waveguide horn	ETS-LINDGREN	3117	SEM003-34	2021/9/25	2024/9/24		
Spectrum Analyzer	Rohde & Schwarz	101288	SEM004-08	2021/7/13	2022/7/12		
Low Noise Amplifier	CLAVIIO	BDLNA-0118- 352810	SEM005-05	2021/7/13	2022/7/12		
Pre-amplifier	Compliance Directions Systems Inc.	PAP-2640-50	SEM005-08	2021/7/13	2022/7/12		
Pre-amplifier	Rohde & Schwarz	CH14-H052	SEM005-17	2021/7/13	2022/7/12		
Pre-amplifier	TST PASS	LNA04080G30	SEM005-27	2022/4/15	2023/4/14		
Pre-amplifier	TST PASS	LNA10180G45	SEM005-28	2022/4/15	2023/4/14		

General used equipment							
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date		
Humidity/ Temperature Indicator	Mingle	TH607	SEM002-22	2021-07-13	2022-07-12		
Humidity/ Temperature Indicator	Mingle	TH607	SEM002-23	2021-07-13	2022-07-12		
Barometer	DUMAI	DYM3	SEM002-24	2021-07-13	2022-07-12		



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-en-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Cilent's instructions, if any. The Company's sole responsibility is to its Cilent and this document cannot be reproduced except in full, without prior written approval of the Company hav, 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, consult (B. Doceheck Tester).



Report No.: FYCR220500015304 Page: 12 of 60

6 Radio Spectrum Technical Requirement

6.1 Antenna Requirement

6.1.1 Test Requirement:

47 CFR Part 15, Subpart C 15.203 & 15.247(b)(4)

6.1.2 Conclusion

Standard 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.

15.247(b) (4) requirement:

The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

EUT Antenna:

The antenna is integrated on the main PCB and no consideration of replacement. The best case gain of the antenna is -0.58dBi.

Antenna location: Refer to internal photo.



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>http://www.sgs.com/en/Terms-and-Conditions.aspx</u> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <u>http://www.sgs.com/en/Terms-and-Conditions/Terms-en-Conditions/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 document. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) lested and such sample(s) are retained for 30 days only. Attention: To check the authenticity of testing finspection report & certificate, please contact us at telephone: (86-755) 8307 1443,



Report No.: FYCR220500015304 Page: 13 of 60

7 Radio Spectrum Matter Test Results

7.1 Conducted Peak Output Power

Test Requirement47 CFR Part 15, Subpart C 15.247(b)(3)Test Method:ANSI C63.10 (2013) Section 11.9.1

	·	14.
	ım	IT .
_		

Frequency range(MHz)	Output power of the intentional radiator(watt)
	1 for ≥50 hopping channels
902-928	0.25 for 25≤ hopping channels <50
	1 for digital modulation
	1 for ≥75 non-overlapping hopping channels
2400-2483.5	0.125 for all other frequency hopping systems
	1 for digital modulation
5725-5850	1 for frequency hopping systems and digital modulation

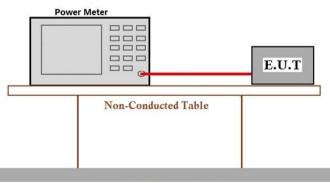
7.1.1 E.U.T. Operation

Operating Enviro	nment:					
Temperature:	26.2 °C	Humidity:	58.5 % RH	Atmospheric Pressure:	1015	mbar

7.1.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	03	TX mode (Wireless microphone TX)_Keep the EUT in continuously transmitting mode with GFSK modulation.

7.1.3 Test Setup Diagram



Ground Reference Plane



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-eDocument.aspx. Attention is drawn to the limitation of liability, indemification 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 cannot be reproduced except in full, without prior written approval of the Company, any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only. Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

 Fuyeng lab. Xinlong TechnoPark, Fengtang Road, Fuyeng Subdistrid, Baolan, Shenzhen, China
 518103
 t
 (86–755)
 88663988
 f
 (86–755)
 26710594
 www.sgsgroup.com.cn

 中国
 ·深圳
 ·宝安区福永街道凤塘大道鑫龙科技园福永实验室
 邮编: 518103
 t
 (86–755)
 88663988
 f
 (86–755)
 26710594
 sgs.china@sgs.com



Report No.: FYCR220500015304 Page: 14 of 60

7.1.4 Measurement Procedure and Data

Note: Since the verify power the same operating range bandwidth and smaller power can be covered by the higher power.

Please Refer to Appendix for Details



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-end-Counternated Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-end-Counternated Conditions/Terms-end-Counternated Conditions/Terms-end-Conditi



Report No.: FYCR220500015304 Page: 15 of 60

7.2 Minimum 6dB Bandwidth

Test Requirement	47 CFR Part 15, Subpart C 15.247a(2)
Test Method:	ANSI C63.10 (2013) Section 11.8.1

Limit: ≥500 kHz

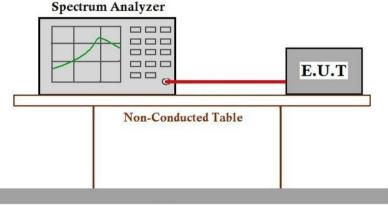
7.2.1 E.U.T. Operation

Operating Environ	ment:					
Temperature:	26.2 °C	Humidity:	58.5 % RH	Atmospheric Pressure:	1015	mbar

7.2.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	03	TX mode (Wireless microphone TX)_Keep the EUT in continuously transmitting mode with GFSK modulation.

7.2.3 Test Setup Diagram



Ground Reference Plane

7.2.4 Measurement Procedure and Data

Please Refer to Appendix for Details



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-eDocument.aspx. Attention is drawn to the limitation of liability, indermification 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 cannot be reproduced except in full, without prior written approval of the Company, any unauthorized alteration, forgery or falisfication of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only. Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-75) 8307 1443, or email: CN_Doccheck@ss.com



Report No.: FYCR220500015304 Page: 16 of 60

7.3 Power Spectrum Density

Test Requirement	47 CFR Part 15, Subpart C 15.247(e)
Test Method:	ANSI C63.10 (2013) Section 11.10.2

Limit:

≤8dBm in any 3 kHz band during any time interval of continuous transmission

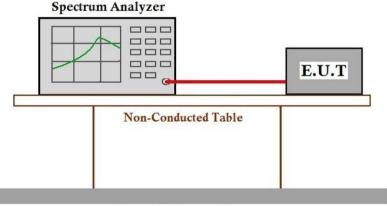
7.3.1 E.U.T. Operation

Operating Environment:						
Temperature:	26.2 °C	Humidity:	58.5 % RH	Atmospheric Pressure:	1015	mbar

7.3.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	03	TX mode (Wireless microphone TX)_Keep the EUT in continuously transmitting mode with GFSK modulation.

7.3.3 Test Setup Diagram



Ground Reference Plane

7.3.4 Measurement Procedure and Data

Please Refer to Appendix for Details



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-eDocument.aspx. Attention is drawn to the limitation of liability, indermification 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 cannot be reproduced except in full, without prior written approval of the Company, any unauthorized alteration, forgery or falisfication of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only. Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-75) 8307 1443, or email: CN_Doccheck@ss.com



Report No.: FYCR220500015304 Page: 17 of 60

7.4 Conducted Band Edges Measurement

Test Requirement	47 CFR Part 15, Subpart C 15.247(d)
Test Method:	ANSI C63.10 (2013) Section 11.13.3.2

Limit:

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.205(c).

7.4.1 E.U.T. Operation

Operating Environment:

Temperature:	26.2 °C
romporataro.	20.2 0

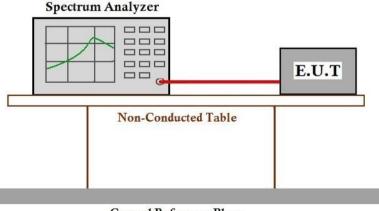
Humidity: 58.5 % RH

Atmospheric Pressure: 1015 mbar

1.4.2 TESLIN	1:4.2 Test mode Description					
Pre-scan / Final test	Mode Code	Description				
Final test	03	TX mode (Wireless microphone TX)_Keep the EUT in continuously transmitting mode with GFSK modulation.				

7.4.2 Test Mode Description

7.4.3 Test Setup Diagram



Ground Reference Plane



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-en-Conditions/Terms-and-Conditions/



Report No.: FYCR220500015304 Page: 18 of 60

7.4.4 Measurement Procedure and Data

Please Refer to Appendix for Details



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.asp and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-a-Document.asp. 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)83071443, or email: CN Doccheck@ass.com



Report No.: FYCR220500015304 Page: 19 of 60

7.5 Conducted Spurious Emissions

Test Requirement	
Test Method:	

47 CFR Part 15, Subpart C 15.247(d) ANSI C63.10 (2013) Section 11.11

Limit:

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.205(c).

7.5.1 E.U.T. Operation

Operating Environment:

Temperature:	26.2 °C
remperature.	20.2 0

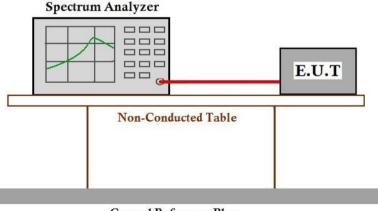
Humidity: 58.5 % RH

Atmospheric Pressure: 1015 mbar

Pre-scan / Final test	Mode Code	Description					
Final test	03	TX mode (Wireless microphone TX)_Keep the EUT in continuously transmitting mode with GFSK modulation.					

7.5.2 Test Mode Description

7.5.3 Test Setup Diagram



Ground Reference Plane



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-en-Conditions/Terms-and-Conditions/



Report No.: FYCR220500015304 Page: 20 of 60

7.5.4 Measurement Procedure and Data

Please Refer to Appendix for Details



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.asp and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-a-Document.asp. 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)83071443, or email: CN_Doccheck@ass.com



Report No.: FYCR220500015304 Page: 21 of 60

7.6 Radiated Emissions which fall in the restricted bands

Test Requirement	47 CFR Part 15, Subpart C 15.205 & 15.209
Test Method:	ANSI C63.10 (2013) Section 6.10.5
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		
Above 960	500	3		

Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90kHz, 110-490kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector, 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.

7.6.1 E.U.T. Operation

Operating Environment: Temperature: 22.3 °C

Humidity: 60.2 % RH

Atmospheric Pressure: 1015 mbar

7.6.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	03	TX mode (Wireless microphone TX)_Keep the EUT in continuously transmitting mode with GFSK modulation.



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-en-Conditions/Terms-and-Conditions/

 Fuyong lab. Xiniong TechnoPark, Fengtang Road, Fuyong Subdistict, Baolan, Shenzhen, China
 518103
 t
 (86–755)
 88663988
 f
 (86–755)
 26710594
 www.sgsgroup.com.cn

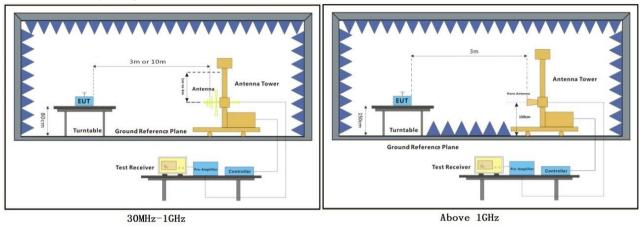
 中国<</td>
 深圳・宝安区福永街道凤塘大道鑫龙科技园福永实验室
 邮编: 518103
 t
 (86–755)
 88663988
 f
 (86–755)
 26710594
 sgs.china@sgs.com



 Report No.:
 FYCR220500015304

 Page:
 22 of 60

7.6.3 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 http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-end-Counternated Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-end-Counternated Conditions/Terms-end-Counternated Conditions/Terms-end-Conditi



Report No.: FYCR220500015304 Page: 23 of 60

7.6.4 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 1: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor

Remark 2: 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.



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>http://www.sgs.com/en/Terms-and-Conditions.aspx</u> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <u>http://www.sgs.com/en/Terms-and-Conditions/Terms-en-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 document. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law Unless otherwise stated the results shown in this test report refer only to the sample(s) fested and such sample(s) are retained for 30 days only. Attention: To back the authenticity of testing fingection report & certificate, please contact us at telephone: (86-75) 8307 1443,

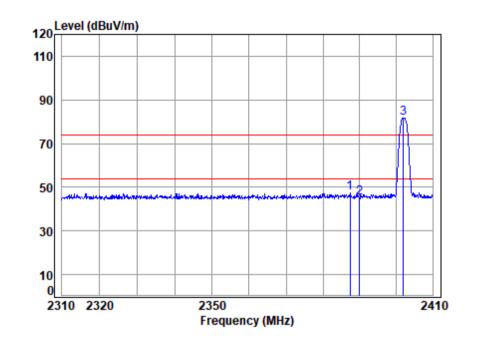
 Fuyong lab. Xiniong TechnoPark, Fengtang Road, Fuyong Subdistict, Bao'an, Shenzhen, China
 518103
 t
 (86–755)
 88663988
 f
 (86–755)
 26710594
 www.sogsgroup.com.cn

 中国<< 深圳・宝安区福永街道凤塘大道鑫龙科技园福永实验室</td>
 邮编:
 518103
 t
 (86–755)
 88663988
 f
 (86–755)
 26710594
 www.sogsgroup.com.cn



Report No.: FYCR220500015304 Page: 24 of 60

Test Mode: 03; Polarity: Horizontal; Modulation:GFSK; Channel:Low



Site : chamber										
Condi	ition: 3m	HORIZON	TAL							
Job I	No : 001	52AT/00	153AT							
Mode	: 240	2 Band (edge							
Note	: BLE	ТХ								
		Cable	Ant	Preamp	Read		Limit	0ver		
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
										_
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	2387.3310	5.05	27.15	32.50	47.92	47.62	74.00	-26.38	peak	
2	2390.0000	5.05	27.16	32.50	45.58	45.29	74.00	-28.71	peak	
3	2402.0000	5.06	27.18	32.50	81.83	81.57	74.00	7.57	peak	
Note	: BLE Freq MHz 2387.3310 2390.0000	TX Cable Loss dB 5.05 5.05	Ant Factor dB/m 27.15 27.16	Factor dB 32.50 32.50	Level dBuV 47.92 45.58	Level dBuV/m 47.62 45.29	Line dBuV/m 74.00 74.00	Limit dB -26.38 -28.71	peak peak	

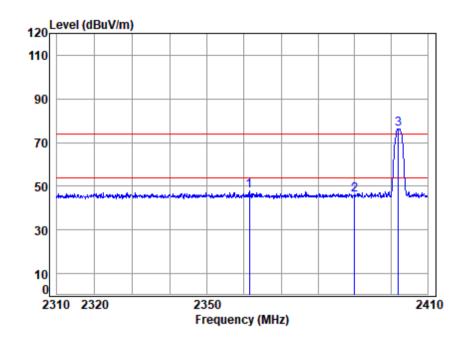


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-eDocument.aspx. Attention is drawn to the limitation of liability, indermification 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 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) is restel and guice for 30 days only. Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-75) 8307 1443, or certificate.



Report No.: FYCR220500015304 Page: 25 of 60

Test Mode: 03; Polarity: Vertical; Modulation:GFSK; Channel:Low



Site	Site : chamber								
Cond	Condition: 3m VERTICAL								
Job I	No : 001	L52AT/00	153AT						
Mode	: 240	02 Band	edge						
Note	: BLE	ТХ							
		Cable	Ant	Preamp	Read		Limit	0ver	
	Free	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MH:	z dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2361.3710	9 5.03	27.09	32.50	48.34	47.96	74.00	-26.04	peak
2	2390.000	9 5.05	27.16	32.50	46.24	45.95	74.00	-28.05	peak
3	2402.000	9 5.06	27.18	32.50	76.60	76.34	74.00	2.34	peak



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-eDocument.aspx. Attention is drawn to the limitation of liability, indermification 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 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) is restel and guice for 30 days only. Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-75) 8307 1443, or certificate.

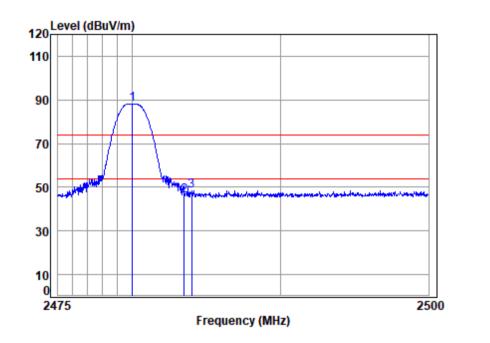
 Fuyong kab. Xinlong TechnoPark, Fengtang Read, Fuyong Subdistrid, Baa'an, Shenzhen, China
 518103
 t
 (86–755)
 88663988
 f
 (86–755)
 26710594
 www.sgsgroup.com.cn

 中国<<</td>
 深圳・宝安区福永街道尾塘大道鑫龙科技园福永实验室
 邮编: 518103
 t
 (86–755)
 88663988
 f
 (86–755)
 26710594
 sgs.china@sgs.com



Report No.: FYCR220500015304 Page: 26 of 60

Test Mode: 03; Polarity: Horizontal; Modulation:GFSK; Channel:High



Site : chamber										
Cond	Condition: 3m HORIZONTAL									
Job I	No :	0015	2AT/001	L53AT						
Mode	:	2480	Band e	edge						
Note	:	BLE	ТХ							
			Cable	Ant	Preamp	Read		Limit	0ver	
	I	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2480.0	9000	5.12	27.36	32.50	88.22	88.20	74.00	14.20	peak
2	2483.	5000	5.12	27.36	32.50	46.32	46.30	74.00	-27.70	peak
3	2483.	9960	5.12	27.37	32.50	48.56	48.55	74.00	-25.45	peak

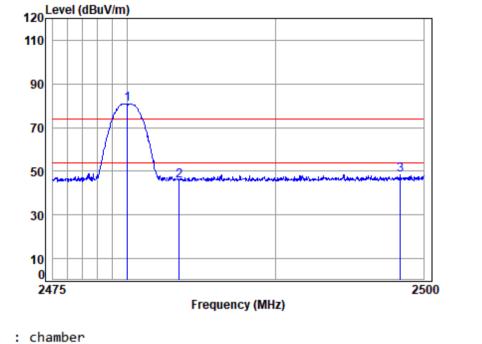


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-eDocument.aspx. Attention is drawn to the limitation of liability, indermification 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 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) is restel and guice for 30 days only. Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-75) 8307 1443, or certificate.



Report No.: FYCR220500015304 Page: 27 of 60

Test Mode: 03; Polarity: Vertical; Modulation:GFSK; Channel:High



DICE									
Cond	Condition: 3m VERTICAL								
Job I	No : 0015	2AT/001	53AT						
Mode	: 2480	Band e	edge						
Note	: BLE	ТХ	_						
		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2480.0000	5.12	27.36	32.50	80.95	80.93	74.00	6.93	peak
2	2483.5000	5.12	27.36	32.50	45.48	45.46	74.00	-28.54	peak
3	2498.4430	5.13	27.40	32.50	48.45	48.48	74.00	-25.52	peak



Sito

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indeemification 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 cannot be reproduced except in full, without prior written approval of the Company, any unauthorized alteration, forgery or falisfication of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only. Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-75) 8307 1443, Neurophile (B) Descheding and Such Sample(s) excerting a second and such sample(s) excerting a second and such sample(s) excerting a second sole and such sample(s) excerting a second sole and such sample(s) are retained for 30 days only.



Report No.: FYCR220500015304 Page: 28 of 60

7.7 Radiated Spurious Emissions Below 1GHz

Test Requirement	47 CFR Part 15, Subpart C 15.205 & 15.209
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	

7.7.1 E.U.T. Operation

Operating Environment:

Temperature:	22.6 °C	Humidity:	47.3 % RH	Atmospheric Pressure:	1015	mbar

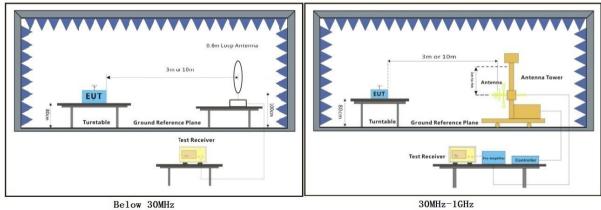
7.7.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	03	TX mode (Wireless microphone TX)_Keep the EUT in continuously transmitting mode with GFSK modulation.

7.7.3 Test Setup Diagram

专用章

检测 n & Testina Se







Report No.: FYCR220500015304 Page: 29 of 60

7.7.4 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. 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.

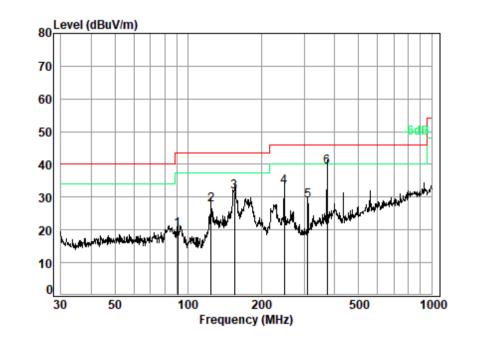


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-en-Courdents, Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction document. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawilui and offenders may be prosecuted to the fullest extend for 30 days only. Attention: To breek the authenticity of testing finspection report & certificate, please contact us at telephone: (86-755) 8307 1443, Attention: To breek the authenticity of testing finspection report & certificate, please contact us at telephone: (86-755) 8307 1443,



Report No.: FYCR220500015304 Page: 30 of 60

Test Mode: 03; Polarity: Horizontal



Site :	chamber					
Condition:	3m HORIZONTAL					
Job No :	00153AT					
Mode :	03					

noue	: 05									
		Cable	Ant	Preamp	Read		Limit	0ver		
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	90.5374	0.68	13.67	25.19	30.99	20.15	43.50	-23.35	QP	
2	124.1330	0.93	16.09	25.52	36.14	27.64	43.50	-15.86	QP	
3	155.3643	0.82	17.31	25.54	39.03	31.62	43.50	-11.88	QP	
4	248.5519	0.82	16.76	25.58	41.05	33.05	46.00	-12.95	QP	
5	309.9977	1.11	18.76	25.61	34.60	28.86	46.00	-17.14	QP	
6	372.0045	1.60	19.93	25.64	43.46	39.35	46.00	-6.65	QP	

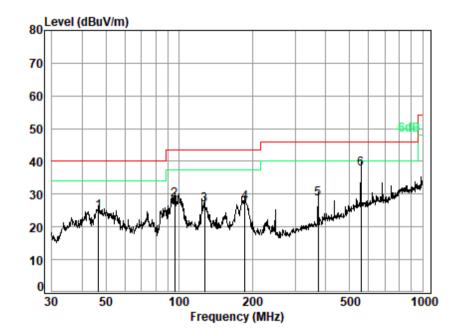


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-eDocument.aspx. Attention is drawn to the limitation of liability, indermification 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 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) is restel and guice for 30 days only. Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-75) 8307 1443, or certificate.



Report No.: FYCR220500015304 Page: 31 of 60

Test Mode: 03; Polarity: Vertical



Site :	chamber
Condition:	3m VERTICAL
Job No :	00153AT
Mode :	03

noue	: 05								
		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	46.6664	0.21	17.27	24.91	31.96	24.53	40.00	-15.47	QP
2	96.0986	0.77	14.00	25.38	39.02	28.41	43.50	-15.09	QP
3	127.2176	0.92	16.37	25.52	35.11	26.88	43.50	-16.62	QP
4	186.4409	0.67	15.74	25.56	36.55	27.40	43.50	-16.10	QP
5	372.0045	1.60	19.93	25.64	32.80	28.69	46.00	-17.31	QP
6	558.7302	1.86	23.92	25.70	37.73	37.81	46.00	-8.19	QP



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indeemification 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 cannot be reproduced except in full, without prior written approval of the Company, any unauthorized alteration, forgery or falisfication of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only. Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-75) 8307 1443, or certified to Document (80-75) 8307 1443, or certified to Documen



Report No.: FYCR220500015304 Page: 32 of 60

7.8 Radiated Spurious Emissions Above 1GHz

Test Requirement	47 CFR Part 15, Subpart C 15.205 & 15.209
Test Method:	ANSI C63.10 (2013) Section 6.6
Measurement Distance:	3m

Limit:

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

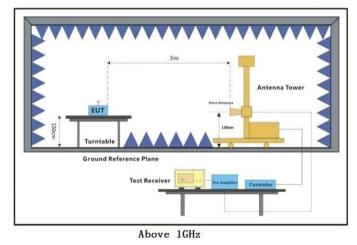
7.8.1 E.U.T. Operation

Operating Environment:									
Temperature:	23.6 °C	Humidity:	60.2 % RH	Atmospheric Pressure:	1015	mbar			

7.8.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	03	TX mode (Wireless microphone TX)_Keep the EUT in continuously transmitting mode with GFSK modulation.

7.8.3 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 http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-eDocument.aspx. Attention is drawn to the limitation of liability, indermification 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 cannot be reproduced except in full, without prior written approval of the Company, any unauthorized alteration, forgery or falisfication of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) is restended for 30 days only. Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-75) 8307 1443, or email: CN Doccheck@ss.com

 Fuyong lab. Xiniong TechnoPark, Fengtang Road, Fuyong Subdistict, Bao'an, Shenzhen, China
 518103
 t
 (86–755)
 88663988
 f
 (86–755)
 26710594
 www.sogsgroup.com.cn

 中国<< 深圳・宝安区福永街道凤塘大道鑫龙科技园福永实验室</td>
 邮编:
 518103
 t
 (86–755)
 88663988
 f
 (86–755)
 26710594
 www.sogsgroup.com.cn



Report No.: FYCR220500015304 Page: 33 of 60

7.8.4 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 1GHz to 25GHz, 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.

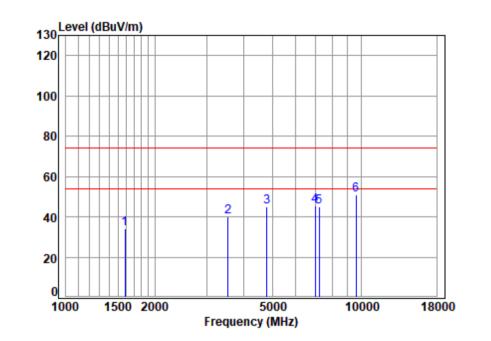


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-en-Courdents/ 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) lested and such sample(s) are retained for 30 days only. Attention: To check the authenticity of testing finspection report & certificate, please contact us at telephone: (86-755) 8307 1443,



Report No.: FYCR220500015304 Page: 34 of 60

Test Mode: 03; Polarity: Horizontal; Modulation:GFSK; Channel:Low



Site	: cham	ber								
Condi	Condition: 3m HORIZONTAL									
Job N	Job No : 00152AT/00153AT									
Mode	Mode : 2402 TX RSE									
Note	: BLE	ТХ								
		Cable	Ant	Preamp	Read		Limit	0ver		
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	1587.9750	3.96	24.77	52.90	58.43	34.26	74.00	-39.74	peak	
2	3546.5770	7.04	28.78	52.93	56.91	39.80	74.00	-34.20	peak	
3	4804.0000	7.98	30.94	53.05	59.17	45.04	74.00	-28.96	peak	
4	6995.1720	8.19	35.79	53.50	55.12	45.60	74.00	-28.40	peak	
5	7206.0000	8.29	36.05	53.52	54.20	45.02	74.00	-28.98	peak	
6	9608.0000	11.41	37.53	53.58	55.54	50.90	74.00	-23.10	peak	

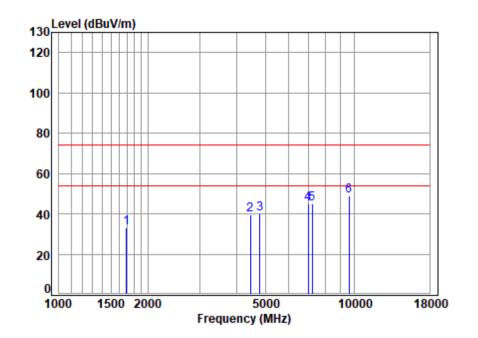


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-en-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Cilent's instructions, if any. The Company's sole responsibility is to its Cilent and this document cannot be reproduced except in full, without prior written approval of the Company, any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only. Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-75) 8307 1443, or email: 61 Doccheck the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-75) 8307 1443, or email.



Report No.: FYCR220500015304 Page: 35 of 60

Test Mode: 03; Polarity: Vertical; Modulation:GFSK; Channel:Low



Site : chamber Condition: 3m VERTICAL Job No : 00152AT/00153AT Mode : 2402 TX RSE Note : BLE TX									
		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1692.2310	4.18	24.99	52.96	57.15	33.36	74 00	-40.64	neak
2	4456.3150	7.47	30.14	52.95	55.04	39.70		-34.30	
3	4804.0000	7.98	30.94	53.05			74.00		
4	6974.9820	8.17	35.74	53.48	54.62		74.00		
5	7206.0000	8.29	36.05	53.52	53.92	44.74	74.00	-29.26	peak
6	9608.0000	11.41	37.53	53.58	53.51	48.87	74.00	-25.13	peak

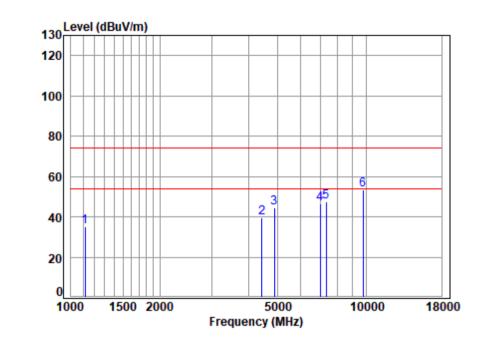


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions.Terms-enocument.aspx. Attention is drawn to the limitation of liability, indermification 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 cannot be reproduced except in full, without prior written approval of the Company, any unauthorized alteration, forgery or falisfication of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) issued and guide and guide for 30 days only. Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-75) 8307 1443, or email.



Report No.: FYCR220500015304 Page: 36 of 60

Test Mode: 03; Polarity: Horizontal; Modulation:GFSK; Channel:middle



Site	: cham	ber								
Condi	Condition: 3m HORIZONTAL									
Job N	Job No : 00152AT/00153AT									
Mode	Mode : 2440 TX RSE									
Note	: BLE	тх								
		Cable	Ant	Preamp	Read		Limit	0ver		
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	1116.0930	2.95	24.22	52.60	60.67	35.24	74.00	-38.76	peak	
2	4443.4530	7.47	30.12	52.94	55.06	39.71	74.00	-34.29	peak	
3	4880.0000	8.11	31.12	53.07	58.53	44.69	74.00	-29.31	peak	
4	6995.1720	8.19	35.79	53.50	56.13	46.61	74.00	-27.39	peak	
5	7320.0000	8.35	36.19	53.53	56.59	47.60	74.00	-26.40	peak	
6	9760.0000	11.30	37.87	53.43	57.56	53.30	74.00	-20.70	peak	

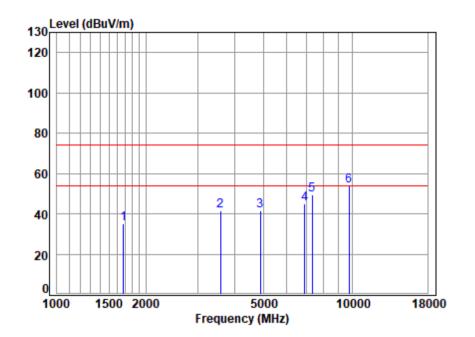


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions.Terms-enocument.aspx. Attention is drawn to the limitation of liability, indermification 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 cannot be reproduced except in full, without prior written approval of the Company, any unauthorized alteration, forgery or falisfication of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) issued and guide and guide for 30 days only. Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-75) 8307 1443, or email.



Report No.: FYCR220500015304 Page: 37 of 60

Test Mode: 03; Polarity: Vertical; Modulation:GFSK; Channel:middle



Site Condi Job N Mode Note	ition: 3m V No : 0015	ERTICAL 2AT/001 TX RSE	- L53AT						
		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1682.4770	4.16	24.97	52.95	59.09	35.27	74.00	-38.73	peak
2	3587.8180	7.08	28.85	52.91	58.27	41.29	74.00	-32.71	Peak
3	4880.0000	8.11	31.12	53.07	55.55	41.71	74.00	-32.29	peak
4	6914.7630	8.11	35.60	53.44	54.93	45.20	74.00	-28.80	peak
5	7320.0000	8.35	36.19	53.53	58.19	49.20	74.00	-24.80	peak
6	9760.0000	11.30	37.87	53.43	58.16	53.90	74.00	-20.10	peak



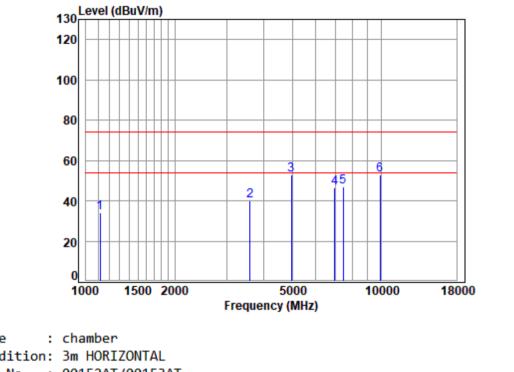
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions.Terms-enocument.aspx. Attention is drawn to the limitation of liability, indermification 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 cannot be reproduced except in full, without prior written approval of the Company, any unauthorized alteration, forgery or falisfication of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) issued and guide and guide for 30 days only. Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-75) 8307 1443, or email.

Flyong lab. Xinlong TechnoPark, Fengtang Road, Flyong Subdishict, Bao'an, Shenzhen, China 518103 t (86-755) 88663988 f (86-755) 26710594 www.sgsgroup.com.cn 中国・深圳・宝安区福永街道凤塘大道鑫龙科技园福永实验室 邮编: 518103 t (86-755) 88663988 f (86-755) 26710594 sgs.china@sgs.com



Report No.: FYCR220500015304 Page: 38 of 60

Test Mode: 03; Polarity: Horizontal; Modulation:GFSK; Channel:High



Cond	Condition: 3m HORIZONTAL								
Job I	Job No : 00152AT/00153AT								
Mode	: 2480	TX RSE							
Note	: BLE	ТХ							
		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1116.0930	2.95	24.22	52.60	59.58	34.15	74.00	-39.85	peak
2	3598.2030	7.09	28.87	52.91	57.05	40.10	74.00	-33.90	peak
3	4960.0000	8.24	31.31	53.09	66.21	52.67	74.00	-21.33	peak
4	6954.8520	8.15	35.70	53.47	56.07	46.45	74.00	-27.55	peak
5	7440.0000	8.40	36.33	53.55	55.77	46.95	74.00	-27.05	peak
6	9920.0000	11.18	38.22	53.28	56.72	52.84	74.00	-21.16	peak
									-



Site

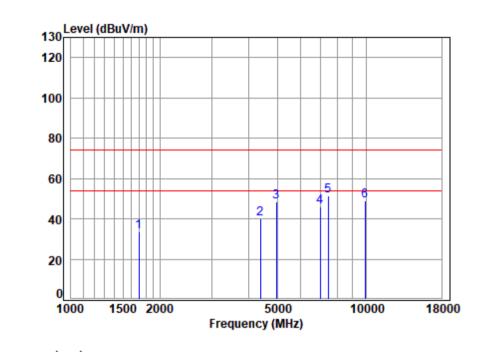
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions.Terms-enocument.aspx. Attention is drawn to the limitation of liability, indermification 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 cannot be reproduced except in full, without prior written approval of the Company, any unauthorized alteration, forgery or falisfication of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) issued and guide and guide for 30 days only. Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-75) 8307 1443, or email.

Flyong lab. Xinlong TechnoPark, Fengtang Road, Flyong Subdishict, Bao'an, Shenzhen, China 518103 t (86-755) 88663988 f (86-755) 26710594 www.sgsgroup.com.cn 中国・深圳・宝安区福永街道凤塘大道鑫龙科技园福永实验室 邮编: 518103 t (86-755) 88663988 f (86-755) 26710594 sgs.china@sgs.com



Report No.: FYCR220500015304 Page: 39 of 60

Test Mode: 03; Polarity: Vertical; Modulation:GFSK; Channel:High



Site	: cham	ber							
Condi	Condition: 3m VERTICAL								
Job N	lo : 0015	2AT/001	53AT						
Mode	: 2480	TX RSE							
Note	: BLE	тх							
		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1697.1290	4.19	25.00	52.96	57.49	33.72	74.00	-40.28	peak
2	4379.6990	7.47	30.04	52.92	55.43	40.02	74.00	-33.98	peak
3	4960.0000	8.24	31.31	53.09	62.06	48.52	74.00	-25.48	peak
4	6974.9820	8.17	35.74	53.48	55.39	45.82	74.00	-28.18	peak
5	7440.0000	8.40	36.33	53.55	60.24	51.42	74.00	-22.58	peak
6	9923.9910	11.18	38.23	53.27	52.71	48.85	74.00	-25.15	Peak



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions.Terms-enocument.aspx. Attention is drawn to the limitation of liability, indermification 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 cannot be reproduced except in full, without prior written approval of the Company, any unauthorized alteration, forgery or falisfication of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) issued and guide and guide for 30 days only. Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-75) 8307 1443, or email.

Flyong lab. Xinlong TechnoPark, Fengtang Road, Fuyong Subdistict, Bao'an, Shenzhen, China 518103 t (86-755) 88663988 f (86-755) 26710594 www.sgsgroup.com.cn 中国・深圳・宝安区福永街道民塘大道鑫龙科技园福永实验室 邮编: 518103 t (86-755) 88663988 f (86-755) 26710594 sgs.china@sgs.com



Report No.: FYCR220500015304 Page: 40 of 60

8 Test Setup Photo

Refer to Appendix - Test Setup Photo for FYCR2205000153AT.

9 EUT Constructional Details (EUT Photos)

Refer to External and Internal Photos for FYCR2205000153AT



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions.Terms-enocument.aspx. Attention is drawn to the limitation of liability, indermification 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 cannot be reproduced except in full, without prior written approval of the Company, any unauthorized alteration, forgery or falisfication of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) issued and guide and guide for 30 days only. Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-75) 8307 1443, or email: CN DoccheckWises com

Fuyong lab. Xiniong TechnoPark, Fengtang Road, Fuyong Subdistrict, Baolan, Shenzhen, China 518103 tt (86–755) 88663988 ft (86–755) 26710594 www.sgsgroup.com.cn 中国・深圳・宝安区福永街道凤塘大道鑫龙科技园福永实验室 邮编: 518103 tt (86–755) 88663988 ft (86–755) 26710594 sgs.china@sgs.com



Report No.: FYCR220500015304 Page: 41 of 60

10 Appendix

- 1. Duty Cycle
- 1.1 Ant1
- 1.1.1 Test Result

	Ant1									
Mode	ТХ Туре	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)			
		2402	0.399	0.625	63.84	1.95	0.00			
1M	SISO	2440	0.399	0.625	63.84	1.95	0.00			
		2480	0.399	0.625	63.84	1.95	0.03			



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>http://www.sgs.com/en/Terms-and-Conditions.aspx</u> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <u>http://www.sgs.com/en/Terms-and-Conditions.aspx</u> and, for electronic format 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 is except and their 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 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 enable.

Fuyong lab. Xiniong TechnoPark, Fengtang Road, Fuyong Subdistict, Bao'an, Shenzhen, China 518103 tt (86–755) 88663988 ft (86–755) 26710594 www.sgsgroup.com.cn 中国·深圳·宝安区福永街道凤塘大道鑫龙科技园福永实验室 邮编: 518103 tt (86–755) 88663988 ft (86–755) 26710594 sgs.china@sgs.com



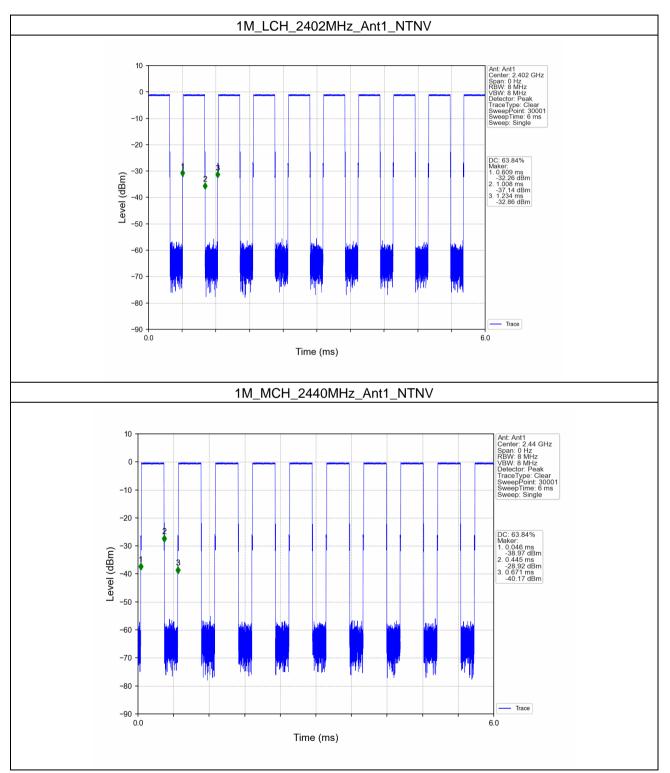
专用章

检验 ection & Testing Service

Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

Report No.: FYCR220500015304 Page: 42 of 60

1.1.2 Test Graph

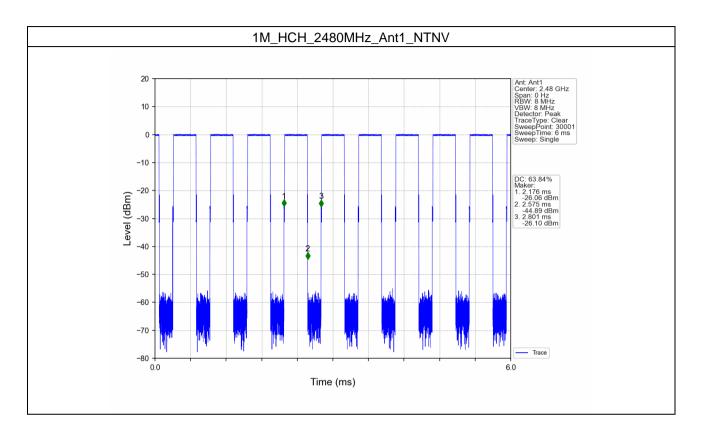




Fuyong lab. Xinlong TechnoPark, Fengtang Road, Fuyong Subdistrict, Bacian, Shenzhen, China 518103 t (86–755) 88663988 f (86–755) 26710594 www.sgsgroup.com.cn 中国・深圳・宝安区福永街道凤塘大道鑫龙科技园福永实验室 邮编: 518103 t (86-755) 88663988 f (86-755) 26710594 sgs.china@sgs.com



Report No.: FYCR220500015304 Page: 43 of 60





Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions.Terms-enocument.aspx. Attention is drawn to the limitation of liability, indermification 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 cannot be reproduced except in full, without prior written approval of the Company, any unauthorized alteration, forgery or falisfication of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) issued and guide and guide for 30 days only. Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-75) 8307 1443, or email.

Fuyong lab. Xiniong TechnoPark, Fengtang Road, Fuyong Subdistict, Baolan, Shenzhen, China 518103 tt (86-755) 88663988 ft (86-755) 26710594 www.sgsgroup.com.cn 中国•深圳•宝安区福永街道凤塘大道鑫龙科技园福永实验室 邮编: 518103 tt (86-755) 88663988 ft (86-755) 26710594 sgs.china@sgs.com



Report No.: FYCR220500015304 Page: 44 of 60

2. Bandwidth

2.1 OBW

2.1.1 Test Result

Mada	ТΧ	Frequency	ΔΝΙΤ	99% Occupied Bandwidth (MHz)	Vordict	
Mode	Туре			Result	Verdict	
		2402	1	1.064	Pass	
1M	SISO	2440	1	1.068	Pass	
		2480	1	1.064	Pass	



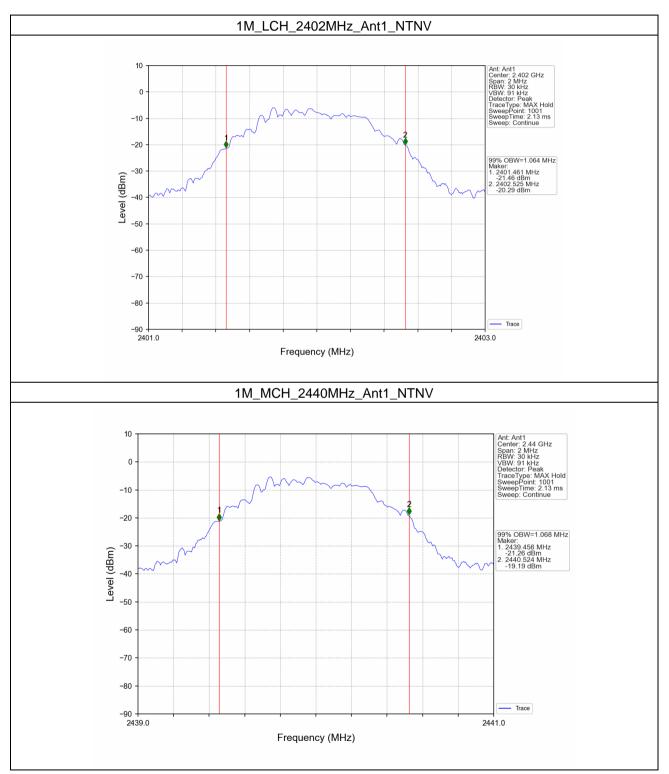
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.asp and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-a-Document.asp. 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)83071443, or a smill CN Doccheck/Mass.com

Fuyong lab. Xinlong TechnoPark, Fengtang Road, Fuyong Subdishid, Bavian, Shenzhen, China 518103 tt (86–755) 88663988 ft (86–755) 26710594 www.sgsgroup.com.cn 中国・深圳・宝安区福永街道凤塘大道鑫龙科技园福永实验室 邮编: 518103 tt (86–755) 88663988 ft (86–755) 26710594 sgs.china@sgs.com



Report No.: FYCR220500015304 Page: 45 of 60

2.1.2 Test Graph



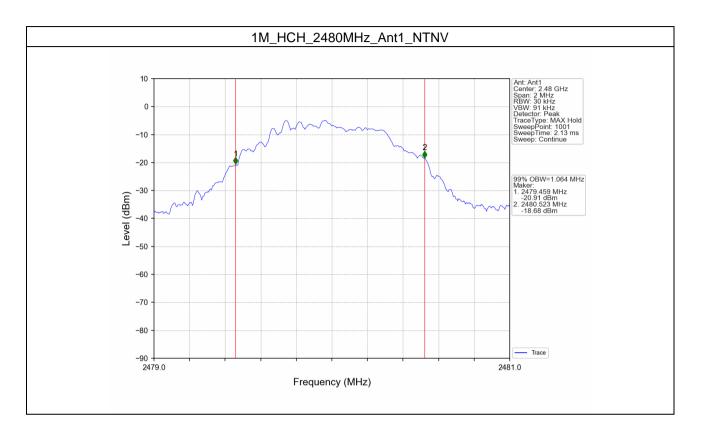


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-en-Cournent.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction document. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or results shown in this test report refer only to the sample(e) testing dia dua using asmig(e) are relained for 30 days only. Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-75) 8307 1443, or email: Ch.Doccheck@ses.com

Fuyong lab. Xinlong TechnoPark, Fengtang Road, Fuyong Subdistrict, Bacian, Shenzhen, China 518103 t (86-755) 88663988 f (86-755) 26710594 www.sgsgroup.com.cn 中国・深圳・宝安区福永街道凤塘大道鑫龙科技园福永实验室 邮编: 518103 t (86-755) 88663988 f (86-755) 26710594 sgs.china@sgs.com



Report No.: FYCR220500015304 Page: 46 of 60





Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-end-Countions/Terms-end-Conditions/Te

Fuyong lab. Xiniong TechnoPark, Fengtang Road, Fuyong Subdistrict, Bao'an, Shenzhen, China 518103 tt (86-755) 88663988 ft (86-755) 26710594 www.sgsgroup.com.cn 中国 • 深圳 • 宝安区福永街道凤塘大道鑫龙科技园福永实验室 邮编: 518103 tt (86-755) 88663988 ft (86-755) 26710594 sgs.china@sgs.com



Report No.: FYCR220500015304 Page: 47 of 60

2.2 6dB BW

2.2.1 Test Result

Mada	ΤX	Frequency		6dB Bandv	vidth (MHz)	Verdict
Mode	Туре	(MHz)	ANT	Result	Limit	verdict
	2402	1	0.715	>=0.5	Pass	
1M	SISO	2440	1	0.699	>=0.5	Pass
		2480	1	0.689	>=0.5	Pass



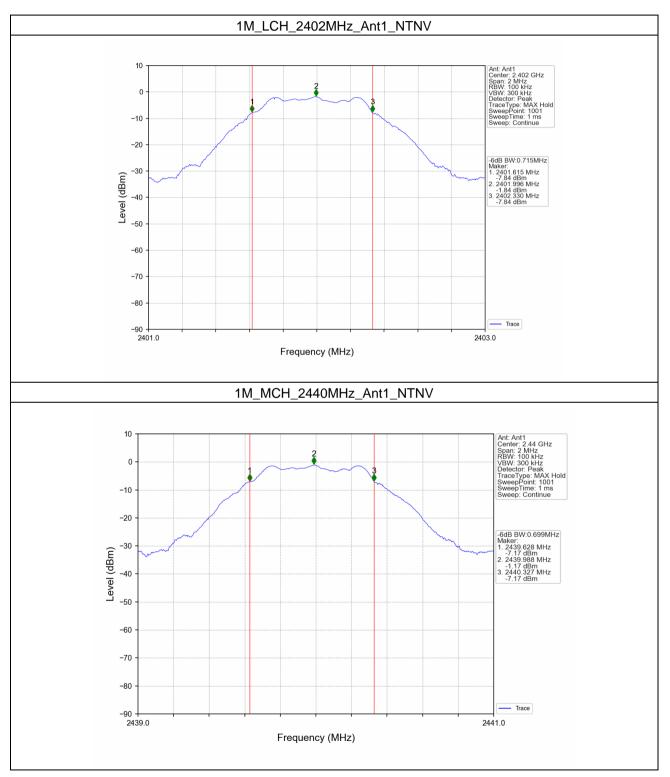
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-en-Document.aspx. Attention is davan 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 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 amail: CN DoccheckBas.com

Fuyong lab. Xiniong TechnoPark, Fengtang Road, Fuyong Subdistrict, Baolan, Shenzhen, China 518103 tt (86–755) 88663988 ft (86–755) 26710594 www.sgsgroup.com.cn 中国・深圳・宝安区福永街道凤塘大道鑫龙科技园福永实验室 邮编: 518103 tt (86–755) 88663988 ft (86–755) 26710594 sgs.china@sgs.com



Report No.: FYCR220500015304 Page: 48 of 60

2.2.2 Test Graph





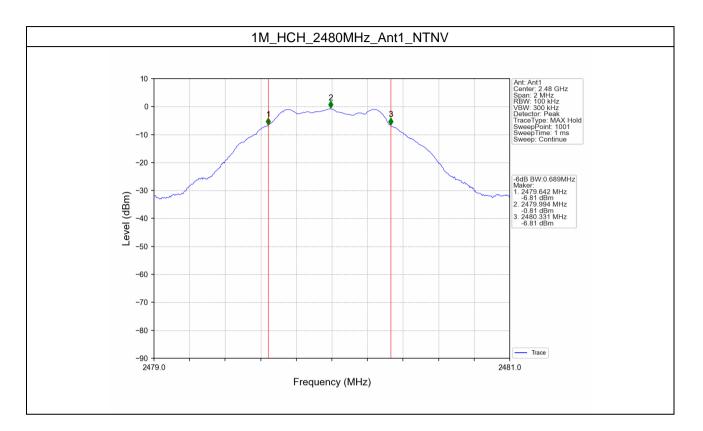
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-en-Cournent.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction document. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or results shown in this test report refer only to the sample(e) testing dia dua using asmig(e) are relained for 30 days only. Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-75) 8307 1443, or email: Ch.Doccheck@ses.com

 Fuyong kai, Xinlong TechnoPark, Fengtang Road, Fuyong Subdistrict, Badrán, Shenzhen, China
 518103
 t
 (86-755)
 86663988
 f
 (86-755)
 26710594
 www.sgsgroup.com.cn

 中国・深圳・宝安区福永街道凤塘大道鑫龙科技园福永实验室
 邮编:
 518103
 t
 (86-755)
 86663988
 f
 (86-755)
 26710594
 sgs.com



Report No.: FYCR220500015304 Page: 49 of 60





Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-end-Counternated Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-end-Counternated Conditions/Terms-end-Counternated Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-end-Counternated Conditions/Terms-end-Conditions/Terms-end-Conditions/Terms-end-Conditions/Terms-end-Counternated Conditions/Terms-end-Conditions/Term

Fuyong lab. Xiniong TechnoPark, Fengtang Road, Fuyong Subdistict, Baolan, Shenzhen, China 518103 tt (86-755) 88663988 ft (86-755) 26710594 www.sgsgroup.com.cn 中国•深圳•宝安区福永街道凤塘大道鑫龙科技园福永实验室 邮编: 518103 tt (86-755) 88663988 ft (86-755) 26710594 sgs.china@sgs.com



Report No.: FYCR220500015304 Page: 50 of 60

3. Maximum Conducted Output Power

3.1 Power

3.1.1 Test Result

Mada	ТΧ	Frequency	Maximum Peak Conduc	ted Output Power (dBm)	Verdict
Mode	Туре	(MHz)	ANT1	Limit	verdict
		2402	-1.04	<=30	Pass
1M	SISO	2440	-0.37	<=30	Pass
		2480	0.05	<=30	Pass
Note1 · Ant	enna Gain [.] /	Ant1 -0 58dBi			

Note1: Antenna Gain: Ant1: -0.58dBi;



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-en-Cournent.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction document. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extend for 30 days only. Attention: Deteck the authenticity of testing fingercial engerical can be authenticate, please contact us at telephone: (86-755) 8307 1443, Attention: To breek the authenticity of testing fingercian period accentificate, please contact us at telephone: (86-755) 8307 1443,

Fuyong lab. Xinlong TechnoPark, Fengtang Road, Fuyong Subdishid, Bavian, Shenzhen, China 518103 tt (86–755) 88663988 ft (86–755) 26710594 www.sgsgroup.com.cn 中国・深圳・宝安区福永街道凤塘大道鑫龙科技园福永实验室 邮编: 518103 tt (86–755) 88663988 ft (86–755) 26710594 sgs.china@sgs.com



Report No.: FYCR220500015304 Page: 51 of 60

4. Maximum Power Spectral Density

4.1 PSD

4.1.1 Test Result

Mada	ТХ	Frequency	Maximum PS	D (dBm/3kHz)	Verdict				
Mode	Туре	(MHz)	ANT1	Limit	verdict				
		2402	-15.90	<=8	Pass				
1M	SISO	2440	-15.32	<=8	Pass				
		2480	-14.90	<=8	Pass				
Note1 · Antenr	Note1: Antenna Gain: Ant1: -0.58dBi:								

Note L. Antenna Gain. Ant L.

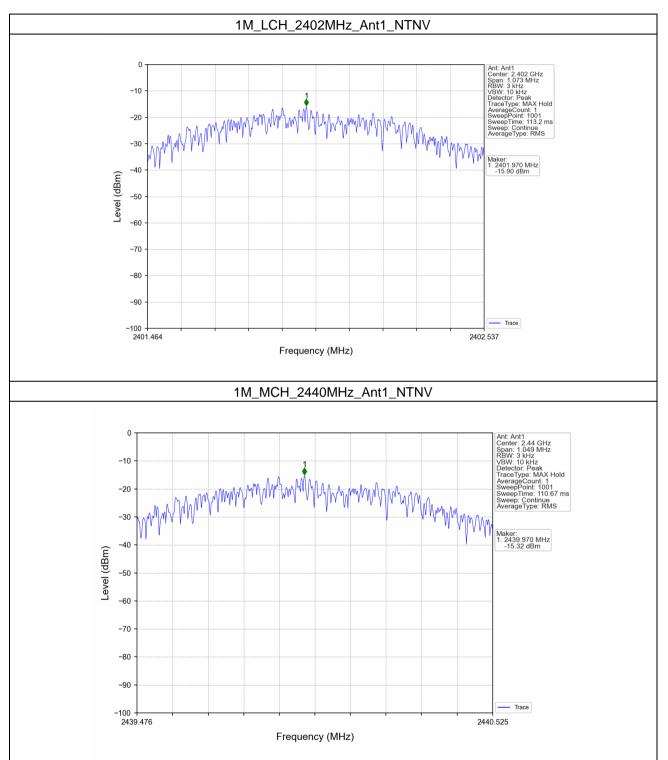


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-en-Cournent.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction document. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extend for 30 days only. Attention: Deteck the authenticity of testing fingercial engerical can be authenticate, please contact us at telephone: (86-755) 8307 1443, Attention: To breek the authenticity of testing fingercian period accentificate, please contact us at telephone: (86-755) 8307 1443,

Fuyong lab. Xinlong TechnoPark, Fengtang Road, Fuyong Subdistrict, Bao'an, Shenzhen, China 518103 t (86-755) 88663988 f (86-755) 26710594 www.sgsgroup.com.cn 中国・深圳・宝安区福永街道凤塘大道鑫龙科技园福永实验室 邮编: 518103 t (86-755) 88663988 f (86-755) 26710594 sgs.china@sgs.com



Report No.: FYCR220500015304 Page: 52 of 60



4.1.2 Test Graph

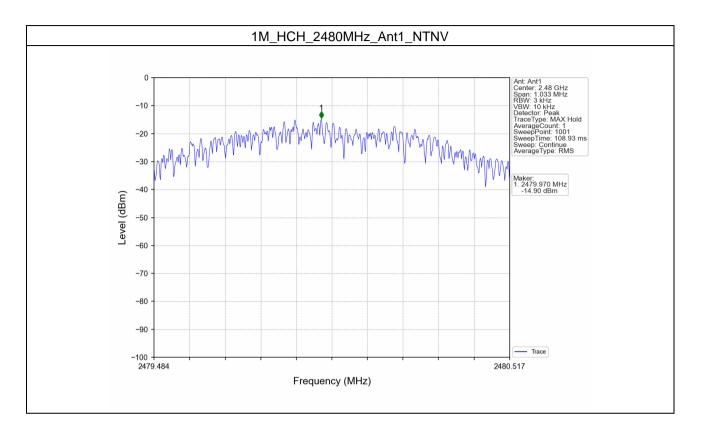


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-en-Comments, Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction document. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appears norw in this terment report previous at the term of the full of the 30 to 10 to 20 to 20

Fuyong lab. Xinlong TechnoPark, Fengtang Road, Fuyong Subdishid, Bao'an, Shenzhen, China 518103 t (86–755) 88663988 f (86–755) 26710594 www.sgs.group.com.cn 中国・深圳・宝安区福永街道风塘大道鑫龙科技园福永实验室 邮编: 518103 t (86–755) 88663988 f (86–755) 26710594 sgs.china@sgs.com



Report No.: FYCR220500015304 Page: 53 of 60





Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions.Terms-enocument.aspx. Attention is drawn to the limitation of liability, indermification 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 cannot be reproduced except in full, without prior written approval of the Company, any unauthorized alteration, forgery or falisfication of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) issued and guide and guide for 30 days only. Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-75) 8307 1443, or email.

Fuyong lab. Xinlong TechnoPark, Fengtang Road, Fuyong Subdistrict, Bavian, Shenzhen, China 518103 tt (86-755) 88663988 ft (86-755) 26710594 www.sgsgroup.com.cn 中国・深圳・宝安区福永街道艮塘大道鑫龙科技园福永实验室 邮编: 518103 tt (86-755) 88663988 ft (86-755) 26710594 sgs.china@sgs.com



Report No.: FYCR220500015304 Page: 54 of 60

5. Unwanted Emissions In Non-restricted Frequency Bands

5.1 Ref

5.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
		2402	1	-1.82
1M	SISO	2440	1	-1.15
		2480	1	-0.76
was used to esta	blish the reference	level.		ntains the maximum PSD level RBW=100kHz while the margin is



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions.Terms-end-Conditions.Terms-end-Conditions/T

Fuyong lab. Xiniong TechnoPark, Fengtang Read, Fuyong Subdistrict, Bao'an, Shenzhen, China 518103 t (86-755) 88663988 f (86-755) 26710594 www.sgsgroup.com.cn 中国・深圳・宝安区福永街道昆塘大道鑫龙科技园福永实验室 邮编: 518103 t (86-755) 88663988 f (86-755) 26710594 sgs.china@sgs.com



Report No.: FYCR220500015304 Page: 55 of 60

1M LCH 2402MHz Ant1 NTNV Ant: Ant1 Center: 2.402 GHz Span: 1.073 MHz RBW: 100 kHz VBW: 300 kHz Detector: Peak TraceType: MAX Hold SweepPine: 1.33 ms Sweep: Continue 10 0 -10 -20 Maker: 1. 2401.994 MHz -1.82 dBm -30 Level (dBm) -40 -50 -60 -70 -80 Trace -90 2401 464 2402 537 Frequency (MHz) 1M MCH 2440MHz Ant1 NTNV Ant: Ant1 Center: 2.44 GHz Span: 1.049 MHz RBW: 100 kHz VBW: 300 kHz Detector: Peak Trace Type: MAX Hold SweepPine: 1.33 ms Sweep: Continue 10 0 -10 -20 Maker: 1. 2439.992 MHz -1.15 dBm -30 Level (dBm) -40 -50 -60 -70 -80 Trace -90 2439.476 2440.525 Frequency (MHz)

5.1.2 Test Graph



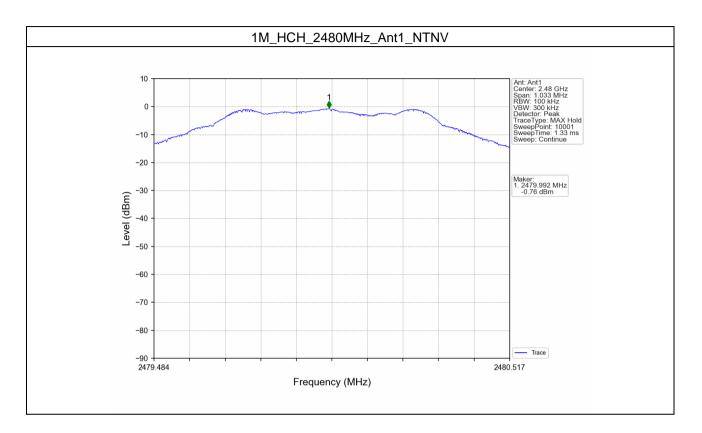
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-en-Comments, Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction document. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or faisification of the resultion of the site stated there is the semple(s) tested and such sample(s) tested and such sample(s) are retained for 50 days only: or email: CM Doccheck@ses.com / testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CM Doccheck@ses.com / testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CM Doccheck@ses.com / testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CM Doccheck@ses.com / testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CM Doccheck@ses.com / testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CM Doccheck@ses.com / testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CM Doccheck@ses.com / testing/inspection report & certificate, please contact us at telephone:

 Fuyong lab, Xiniong TechnoPark, Fengtang Road, Fuyong Subdistrict, Bacian, Shenzhen, China
 518103
 t
 (86-755)
 86663988
 f
 (86-755)
 26710594
 www.sgsgroup.com.cn

 中国・深圳・宝安区福永街道风塘大道鑫龙科技园福永实验室
 邮编:
 518103
 t
 (86-755)
 86663988
 f
 (86-755)
 26710594
 sgss.com



Report No.: FYCR220500015304 Page: 56 of 60





Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-end-Counternated Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-end-Counternated Conditions/Terms-end-Counternated Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-end-Counternated Conditions/Terms-end-Conditions/Terms-end-Conditions/Terms-end-Conditions/Terms-end-Counternated Conditions/Terms-end-Conditions/Term

Fuyong lab. Xiniong TechnoPark, Fengtang Road, Fuyong Subdistrict, Bao'an, Shenzhen, China 518103 tt (86-755) 88663988 ft (86-755) 26710594 www.sgsgroup.com.cn 中国 • 深圳 • 宝安区福永街道凤塘大道鑫龙科技园福永实验室 邮编: 518103 tt (86-755) 88663988 ft (86-755) 26710594 sgs.china@sgs.com



Report No.: FYCR220500015304 Page: 57 of 60

5.2 CSE

5.2.1 Test Result

Mode	ТХ Туре	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
		2402	1	-0.76	-20.76	Pass
1M	SISO	2440	1	-0.76	-20.76	Pass
		2480	1	-0.76	-20.76	Pass
Note1 · Refe	er to FCC Pai	rt 15 247 (d) and	ANSI C63 10)-2013 the channel contai	ins the maxim	um PSD level

Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.

Note2: RBW = 1MHz was used during the pre-test. The final test will be performed at RBW=100kHz while the margin is less than 3dB.



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions.Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Cilent's instructions, if any. The Company's sole responsibility is to its Cilent and this document cannot be reproduced except in full, without prior written approval of the Company, any unauthorized alteration, forgery or falisfication of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) isset and such aspne)(s) are retained for 30 days only. Attention: To check the authenticity of testing inspection report & certificate, please contact us at telephone: (86-75) 83071443, or samil: (*10 DoccheckTeas com

Fuyong lab. Xiniong TechnoPark, Fengtang Road, Fuyong Subdistrict, Bao'an, Shenzhen, China 518103 tt (86-755) 88663988 ft (86-755) 26710594 www.sgsgroup.com.cn 中国 • 深圳 • 宝安区福永街道凤塘大道鑫龙科技园福永实验室 邮编: 518103 tt (86-755) 88663988 ft (86-755) 26710594 sgs.china@sgs.com

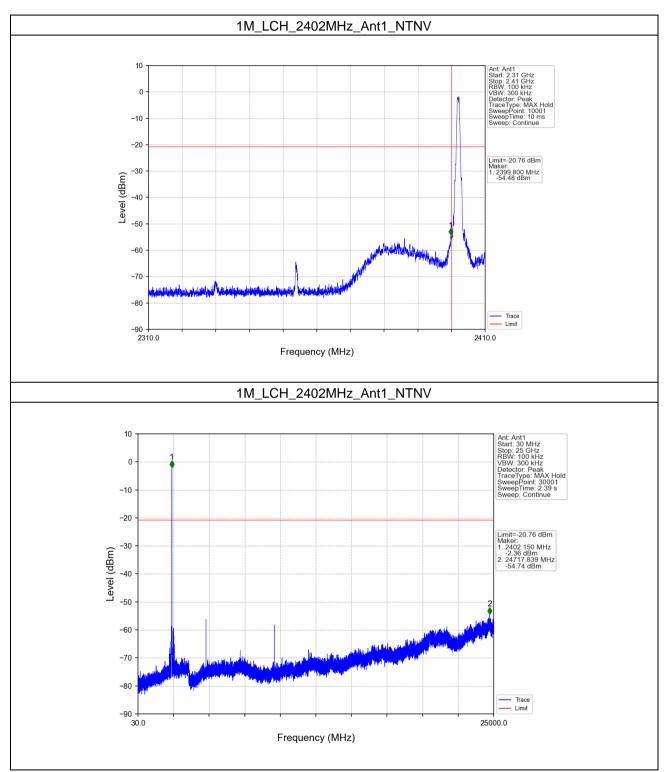


Report No.: FYCR220500015304 Page: 58 of 60

5.2.2 Test Graph

检验

专用章 ction & Testing Service

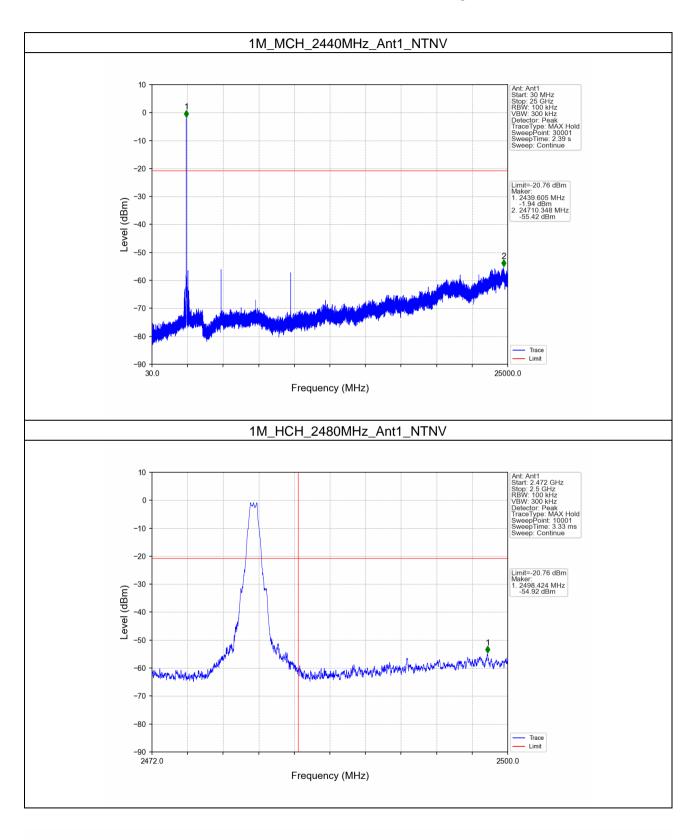




Fuyong lab. Xinlong TechnoPark, Fengtang Road, Fuyong Subdistrict, Bacian, Shenzhen, China 518103 t (86–755) 88663988 f (86–755) 26710594 www.sgsgroup.com.cn 中国・深圳・宝安区福永街道凤塘大道鑫龙科技园福永实验室 邮编: 518103 t (86-755) 88663988 f (86-755) 26710594 sgs.china@sgs.com



Report No.: FYCR220500015304 Page: 59 of 60





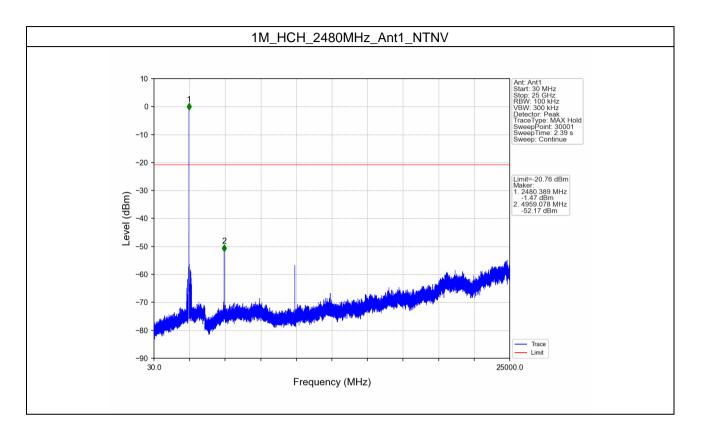
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-en-Comments, Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction document. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appears norw in this terment report previous at the term of the full of the 30 to 10 to 20 to 20

 Fuyong lab, Xinlong TechnoPark, Fengtang Road, Fuyong Subdishid, Bao'an, Shenzhen, China
 518103
 t
 (86-755)
 88663988
 f
 (86-755)
 26710594
 www.sgsgroup.com.cn

 中国・深圳・宝安区福永街道风塘大道鑫龙科技园福永实验室
 邮编:
 518103
 t
 (86-755)
 88663988
 f
 (86-755)
 26710594
 www.sgsgroup.com.cn



Report No.: FYCR220500015304 Page: 60 of 60



- 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 http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-end-Countions/Terms-end-Conditions/Te

Fuyong lab. Xinlong TechnoPark, Fengtang Read, Fuyong Subdistrict, Baolan, Shenzhen, China 518103 tt (86–755) 88663988 ft (86–755) 26710594 www.sgsgroup.com.cn 中国·深圳·宝安区福永街道凤塘大道鑫龙科技园福永实验室 邮编: 518103 tt (86–755) 88663988 ft (86–755) 26710594 sgs.china@sgs.com