

Report No.: KSCR221100232801

Page: 1 of 28

TEST REPORT

KSCR2211002328AT **Application No.:**

FCC ID: ZMOFG160NA

Applicant: Fibocom Wireless Inc.

1101, Tower A, Building 6, Shenzhen International Innovation Valley, Dashi **Address of Applicant:**

1st Rd, Nanshan, Shenzhen, China

Manufacturer: Fibocom Wireless Inc.

1101, Tower A, Building 6, Shenzhen International Innovation Valley, Dashi Address of Manufacturer:

1st Rd, Nanshan, Shenzhen, China

Equipment Under Test (EUT):

EUT Name: 5G Module FG160-NA Model No.: **Trade Mark:** Fibocom

47 CFR Part 2 Standard(s): 47 CFR Part 96 subpart E

Date of Receipt: 2022-11-20

Date of Test: 2022-11-21 to 2022-12-18

2022-12-22 Date of Issue:

Test Result: Pass

Fric Lin Laboratory Manager

Form fin



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

Attention: To check the authenticity of testing inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CND.Doccheck@sgs.com.

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国・江苏・昆山市留学生创业园伟业路10号 邮编 215300

Member of the SGS Group (SGS SA)

f(86-512)57370818 sgs.china@sgs.com

t(86-512)57355888

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



Report No.: KSCR221100232801

Page: 2 of 28

Revision Record							
Version Description		Date	Remark				
00	Original	2022-12-22	/				

Authorized for issue by:		
	Damon zhou	
	Damon_Zhou/Project Engineer	
	Eni fri	
	Eric Lin /Reviewer	



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

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com.

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300 中国・江苏・昆山市留学生创业园伟业路10号 邮编 215300



Report No.: KSCR221100232801

Page: 3 of 28

2 Test Summary

Test Item	FCC Rule No.	Requirements	Verdict
Effective (Isotropic) Radiated Output Power Data	§2.1046 §96.41(b)	EIRP≤ 23dBm/10MHz	PASS
Peak-Average Ratio	§96.41(g)	≤13dB	PASS
Modulation Characteristics	§2.1047	Digital modulation	PASS
Bandwidth	§2.1049(h)	OBW: No limit EBW: No limit	PASS
Band Edge Compliance	§96.41(e)	Refer to clause 6.4	PASS
Spurious emissions at antenna terminals	§96.41(e)	Refer to clause 6.5	PASS
Field strength of spurious radiation	§2.1051 §96.41(e)	Refer to clause 6.6	PASS
Frequency stability	§2.1055	≤ ±2.5ppm.	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-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction document. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com.

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300 中国・江苏・昆山市留学生创业园伟业路10号 邮编 215300



Report No.: KSCR221100232801

Page: 4 of 28

3 Contents

		Pa	age
1	COVE	R PAGE	1
2	TEST	SUMMARY	3
3	CONT	TENTS	2
4		RAL INFORMATION	
4			
		DETAILS OF E.U.T.	
		TEST FREQUENCY	
		TEST ENVIRONMENT	
		MEASUREMENT UNCERTAINTY	
		TEST LOCATION	
		TEST FACILITY	
		DEVIATION FROM STANDARDS	
	4.8 A	ABNORMALITIES FROM STANDARD CONDITIONS	ç
5	EQUIF	PMENT LIST	10
6	RADIO	O SPECTRUM MATTER TEST RESULTS	11
·			
		EFFECTIVE (ISOTROPIC) RADIATED OUTPUT POWER DATA	
	6.1.1	E.U.T. Operation	
	6.1.2	Test Setup Diagram	
	6.1.3	Measurement Data	
		PEAK-AVERAGE RATIO	
	6.2.1	E.U.T. Operation	
	6.2.2	Test Setup Diagram	
	6.2.3	Measurement Data	
		BANDWIDTH	
	6.3.1	E.U.T. Operation	
	6.3.2	Test Setup Diagram	
	6.3.3	Measurement Data	
		BAND EDGE COMPLIANCE	
	6.4.1 6.4.2	E.U.T. Operation	
	6.4.2 6.4.3	Test Setup Diagram	
		Measurement DataSpurious emissions at antenna terminals	
	6.5.1	E.U.T. Operation	
		Test Setup Diagram	
	6.5.3	Measurement Data	
		FILT Operation	
	6.6.1	E.U.T. Operation	
	6.6.2	Test Setup Diagram	
	6.6.3	Measurement Procedure and Data	
	6.7 F	FREQUENCY STABILITY	∠1



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 issued seffined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 83071443, or email: CND Doccheck@sgs.com.

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300 中国・江苏・昆山市留学生创业园伟业路10号 邮编 215300



Report No.: KSCR221100232801

Page: 5 of 28

	6.7.1	E.U.T. Operation	
		Test Setup Diagram	
		Measurement Data	
6	.8 N	MODULATION CHARACTERISTICS	28
	6.8.1	E.U.T. Operation	28
	6.8.2	Test Setup Diagram	28
	6.8.3	Measurement Data	28
7	TEST	SETUP PHOTOGRAPHS	29
8	EUT C	CONSTRUCTIONAL DETAILS	29



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

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com.

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300 中国・江苏・昆山市留学生创业园伟业路10号 邮编 215300



Report No.: KSCR221100232801

Page: 6 of 28

4 General Information

4.1 Details of E.U.T.

Power supply: DC 3.8V Hardware Version: V1.1

Software Version: 89113.1000.00.02.04.07

LTE: Band 48

Operation Frequency Band: NR: n48

EN-DC: DC_48A-n5; DC_48A-n66

Modulation Type: LTE: QPSK, 16QAM, 64QAM

NR: PI/2 BPSK, QPSK, 16QAM, 64QAM, 256 QAM

LTE Power Class: Level 3

Antenna Type: External Antenna

Antenna Gain: -0.58dBi(Provide by Manufacturer)

SCS Information: 30KHz

4.2 Test Frequency

	Nominal	RF Channel					
Test mode:	Bandwidth	Low (L)	Middle (M)	High (H)			
	(MHz)	MHz	MHz	MHz			
	5	3552.5	3625.0	3697.5			
LTE FDD Band 48	10	3555.0	3625.0	3695.0			
LIE FDD Band 48	15	3557.5	3625.0	3692.5			
	20	3560.0	3625.0	3690.0			

	Nominal	RF Channel					
Test mode:	Bandwidth	Low (L)	Middle (M)	High (H)			
	(MHz)	MHz	MHz	MHz			
	5	3552.51	3625.005	3697.50			
ND EDD	10	3555.00	3624.99	3694.98			
NR FDD n48	15	3557.52	3624.99	3692.49			
1140	20	3560.01	3624.99	3690.00			
	40	3570.00	3624.99	3679.98			



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

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com.

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300 t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn 中国・江苏・昆山市留学生创业园伟业路10号 邮编 215300 t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com



Report No.: KSCR221100232801

Page: 7 of 28

4.3 Test Environment

Environment Parameter	Selected Values During Tests		
Relative Humidity		52%	
Atmospheric Pressure:	1015Pa		
	TL	-30°C	
Temperature:	TN	+20°C	
	TH	+85°C	
	VL	3.3 V	
Voltage:	VN	3.8 V	
	VH	4.4 V	

NOTE: VL= lower extreme test voltage

VN= nominal voltage

VH= upper extreme test voltage TL= lower extreme test temperature

TN= normal temperature

TH= upper extreme test temperature

4.4 Measurement Uncertainty

No.	Item	Measurement Uncertainty
1	Radio Frequency	± 5.4 x 10 ⁻⁸
2	Duty cycle	± 0.3%
3	Occupied Bandwidth	± 3%
4	RF conducted power	± 0.8dB
5	RF power density	± 0.4dB
6	Conducted Spurious emissions	± 2.7dB
7	Dedicted Spurious emission test	± 3.1dB (Below 1GHz)
′	Radiated Spurious emission test	± 4.4dB (Above 1GHz)
8	Temperature test	± 1°C
9	Humidity test	± 3%
10	Supply voltages	± 1.5%
11	Time	± 3%



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

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com.

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300 中国・江苏・昆山市留学生创业园伟业路10号 邮编 215300 $\begin{array}{lll} t(86\text{-}512)57355888 & f(86\text{-}512)57370818 & \text{www.sgsgroup.com.cn} \\ t(86\text{-}512)57355888 & f(86\text{-}512)57370818 & \text{sgs.china@sgs.com} \\ \end{array}$



Report No.: KSCR221100232801

Page: 8 of 28

4.5 Test Location

All tests were performed at:

Compliance Certification Services (Kunshan) Inc.

No.10 Weiye Rd, Innovation park, Eco&Tec, Development Zone, Kunshan City, Jiangsu, China.

Tel: +86 512 5735 5888 Fax: +86 512 5737 0818

No tests were sub-contracted.

Note:

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

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

4.6 Test Facility

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

A2LA

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

• FCC

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

ISED

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

VCCI

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

4.7 Deviation from Standards

None

4.8 Abnormalities from Standard Conditions

None



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

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 83071443, **Certificate**.

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300 中国・江苏・昆山市留学生创业园伟业路10号 邮编 215300



Report No.: KSCR221100232801

Page: 9 of 28

5 Equipment List

NO	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. Date	Cal. Due date
RF Co	nducted Test					
1	Spectrum Analyzer	Keysight	N9020A	KUS1911E004-2	08/22/2022	08/21/2023
2	Spectrum Analyzer	R&S	FSV40	KUS1806E003	08/22/2022	08/21/2023
3	Spectrum Analyzer	Keysight	N9030B	KSEM021-1	01/22/2022	01/21/2023
4	Signal Generator	R&S	SMW200A	KSEM020-1	08/22/2022	08/21/2023
5	Signal Generator	Agilent	N5182A	KUS2001M001-1	08/22/2022	08/21/2023
6	Radio Communication Test Station	Anritsu	MT8000A	KSEM001-1	08/22/2022	08/21/2023
7	Radio Communication Analyzer	Anritsu	MT8821C	KSEM002-1	08/22/2022	08/21/2023
8	Universal Radio Communication Tester	R&S	CMW500	KUS1911E004-1	08/22/2022	08/21/2023
9	Switcher	CCSRF	FY562	KUS2001M001-3	08/22/2022	08/21/2023
10	AC Power Source	EXTECH	6605	KS301178	N.C.R	N.C.R
11	DC Power Supply	Aglient	E3632A	KS301180	N.C.R	N.C.R
12	Conducted Test Cable	Thermax	RF01-RF04	CZ301111- CZ301120	01/16/2022	01/15/2023
13	Temp. / Humidity Chamber	TERCHY	MHK-120AK	KS301190	04/01/2021	03/31/2023
14	Temperature & Humidity Recorder	Renke Control	RS-WS-N01-6J	KSEM024-5	04/01/2021	03/31/2023
15	Software	BST	TST-PASS	1	N/A	N/A
RF Ra	diated Test					
1	Spectrum Analyzer	R&S	FSV40	KUS1806E003	08/22/2022	08/21/2023
2	Universal Radio Communication Tester	R&S	CMW500	KSEM009-1	04/01/2022	03/31/2023
3	Signal Generator	Agilent	E8257C	KS301066	08/22/2022	08/21/2023
4	Loop Antenna	COM-POWER	AL-130R	KUS1806E001	04/13/2021	04/12/2023
5	Bilog Antenna	TESEQ	CBL 6112D	KUS1806E005	06/29/2021	06/28/2023
6	Bilog Antenna	SCHWARZBEC K	VULB9160	CZ301016	04/13/2021	04/12/2024
7	Horn-antenna(1-18GHz)	Schwarzbeck	BBHA9120D	KS301079	04/02/2022	04/01/2024
8	Horn-antenna(1-18GHz)	ETS-LINDGREN	3117	KS301186	02/22/2021	02/21/2023
9	Horn Antenna(18-40GHz)	Schwarzbeck	BBHA9170	CZ301058	03/22/2022	03/21/2023
10	Amplifier(30MHz~18GHz)	PANSHAN TECHNOLOGY	LNA:1~18G	KSEM010-1	01/22/2022	01/21/2023
11	Amplifier(18~40GHz)	COM-POWER	PAM-840A	KUS1710E001	01/22/2022	01/21/2023
12	RE Test Cable	REBES MICROWAVE	1	CZ301097	11/14/2021	11/13/2022
13	Radio Communication Test Station	Anritsu	MT8000A	KSEM001-1	08/22/2022	08/21/2023
14	Radio Communication Analyzer	Anritsu	MT8821C	KSEM002-1	08/22/2022	08/21/2023
15	Temperature & Humidity Recorder	Renke Control	RS-WS-N01-6J	KSEM024-4	01/04/2022	31/03/2023
16	Software	Faratronic	EZ_EMC-v 3A1	1	N/A	N/A



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

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com.

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300 中国・江苏・昆山市留学生创业园伟业路10号 邮编 215300



Report No.: KSCR221100232801

Page: 10 of 28

6 Radio Spectrum Matter Test Results

6.1 Effective (Isotropic) Radiated Output Power Data

Test Requirement: §2.1046; §96.41(b)

Test Method: ANSI C63.26, KDB 971168 D01 v03

Limit: EIRP≤ 23dBm/10MHz

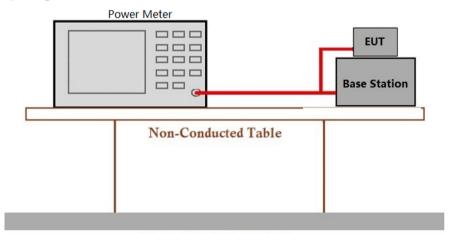
6.1.1 E.U.T. Operation

Operating Environment:

Temperature: 21.5 °C Humidity: 53.5 % RH Atmospheric Pressure: 1020 mbar

Test mode Tx mode, Keep the EUT in transmitting mode.

6.1.2 Test Setup Diagram



Ground Reference Plane

6.1.3 Measurement Data

Please refer to Appendix A for KSCR221100232801 Appendix B for KSCR221100232802



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

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com.

No.10, Welye Road, Innovation Park, Kunshan, Jiangsu, China 215300 (186-512)57355888 (186-512)57370818 www.sgsgroup.com.cn 中国・江苏・昆山市留学生创业园伟业路10号 邮编 215300 (186-512)57355888 (186-512)57370818 sgs.china@sgs.com

Member of the SGS Group (SGS SA)



Report No.: KSCR221100232801

Page: 11 of 28

6.2 Peak-Average Ratio

Test Requirement: §96.41(g)

Test Method: ANSI C63.26, KDB 971168 D01 v03

Limit: ≤13dB

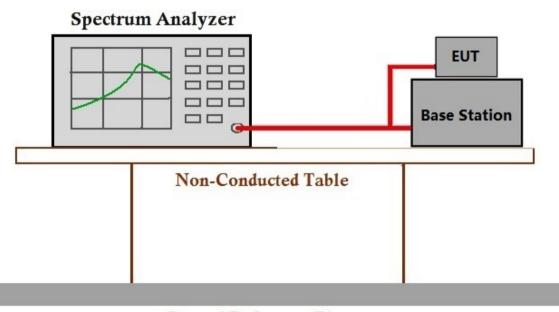
6.2.1 E.U.T. Operation

Operating Environment:

Temperature: 21.5 °C Humidity: 53.5 % RH Atmospheric Pressure: 1020 mbar

Test mode Tx mode, Keep the EUT in transmitting mode.

6.2.2 Test Setup Diagram



Ground Reference Plane

6.2.3 Measurement Data

Please refer to Appendix A for KSCR221100232801 Appendix B for KSCR221100232802



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

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com.

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300 中国・江苏・昆山市留学生创业园伟业路10号 邮编 215300



Report No.: KSCR221100232801

Page: 12 of 28

6.3 Bandwidth

Test Requirement: §2.1049(h)

Test Method: ANSI C63.26, KDB 971168 D01 v03

Limit: OBW: No limit

EBW: No limit

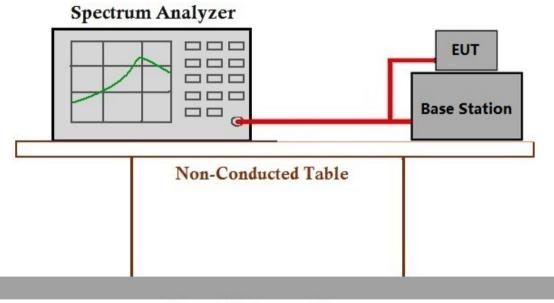
6.3.1 E.U.T. Operation

Operating Environment:

Temperature: 21.5 °C Humidity: 53.5 % RH Atmospheric Pressure: 1020 mbar

Test mode Tx mode, Keep the EUT in transmitting mode.

6.3.2 Test Setup Diagram



Ground Reference Plane

6.3.3 Measurement Data

Please refer to Appendix A for KSCR221100232801 Appendix B for KSCR221100232802



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

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com.

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300 中国・江苏・昆山市留学生创业园伟业路10号 邮编 215300



Report No.: KSCR221100232801

Page: 13 of 28

6.4 Band Edge Compliance

Test Requirement: §2.1051, §96.41(e)

Test Method: ANSI C63.26, KDB 971168 D01 v03

Limit: Emission outside the fundamental emission (whether in or outside of the

authorized band) shall not exceed -13 dBm/MHz within 0 to B megahertz

(where B is the bandwidth in megahertz)

At all frequencies greater than B megahertz above the upper CBSD assigned channel edge and less than B megahertz below the lower CBSD-assigned channel edge, the conducted power of any End User Device

emission shall not exceed -25 dBm/MHz

Emissions below 3530MHz or above 3720 MHz shall not exceed

-40dBm/MHz

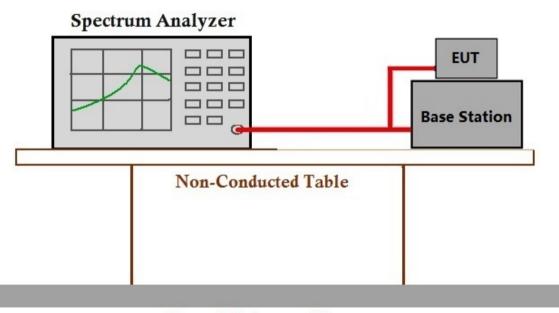
6.4.1 E.U.T. Operation

Operating Environment:

Temperature: 21.5 °C Humidity: 53.5 % RH Atmospheric Pressure: 1020 mbar

Test mode Tx mode, Keep the EUT in transmitting mode.

6.4.2 Test Setup Diagram



Ground Reference Plane

6.4.3 Measurement Data

Please refer to Appendix A for KSCR221100232801 Appendix B for KSCR221100232802



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

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com.

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300 (186-512)57355888 (186-512)57370818 www.sgsgroup.com.cn 中国・江苏・昆山市留学生创业园伟业路10号 邮编 215300 (186-512)57355888 (186-512)57370818 sgs.china@sgs.com



Report No.: KSCR221100232801

Page: 14 of 28

6.5 Spurious emissions at antenna terminals

Test Requirement: §2.1051, §96.41(e)

Test Method: ANSI C63.26, KDB 971168 D01 v03

Limit: Emission outside the fundamental emission (whether in or outside of the

authorized band) shall not exceed -13 dBm/MHz within 0 to B megahertz

(where B is the bandwidth in megahertz)

At all frequencies greater than B megahertz above the upper CBSD assigned channel edge and less than B megahertz below the lower CBSD-assigned channel edge, the conducted power of any End User Device

emission shall not exceed -25 dBm/MHz

Emissions below 3530MHz or above 3720 MHz shall not exceed

-40dBm/MHz

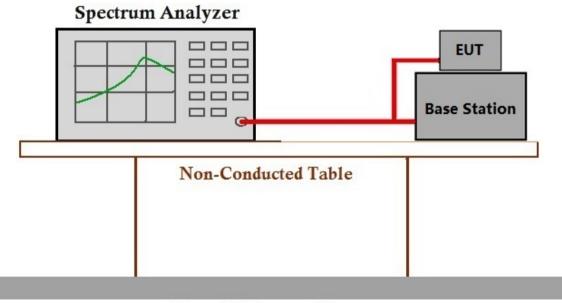
6.5.1 E.U.T. Operation

Operating Environment:

Temperature: 21.5 °C Humidity: 53.5 % RH Atmospheric Pressure: 1020 mbar

Test mode Tx mode, Keep the EUT in transmitting mode.

6.5.2 Test Setup Diagram



Ground Reference Plane

6.5.3 Measurement Data

Please refer to Appendix A for KSCR221100232801 Appendix B for KSCR221100232802



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

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com.

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300 (186-512)57355888 (186-512)57370818 www.sgsgroup.com.cn 中国・江苏・昆山市留学生创业园伟业路10号 邮编 215300 (186-512)57355888 (186-512)57370818 sgs.china@sgs.com



Report No.: KSCR221100232801

Page: 15 of 28

6.6 Field strength of spurious radiation

Test Requirement: §2.1051, §96.41(e)

Test Method: ANSI C63.26, KDB 971168 D01 v03

Limit: Emission outside the fundamental emission (whether in or outside of the

authorized band) shall not exceed -13 dBm/MHz within 0 to B megahertz

(where B is the bandwidth in megahertz)

At all frequencies greater than B megahertz above the upper CBSD assigned channel edge and less than B megahertz below the lower CBSD-assigned channel edge, the conducted power of any End User Device

emission shall not exceed -25 dBm/MHz

Emissions below 3530MHz or above 3720 MHz shall not exceed

-40dBm/MHz

6.6.1 E.U.T. Operation

Operating Environment:

Temperature: 18.5 °C Humidity: 39.5 % RH Atmospheric Pressure: 1020 mbar

Test mode Tx mode, Keep the EUT in transmitting mode.



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

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com.

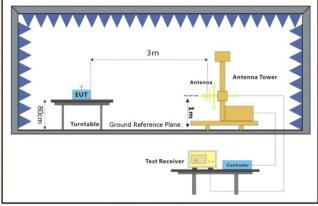
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300 中国・江苏・昆山市留学生创业园伟业路10号 邮编 215300

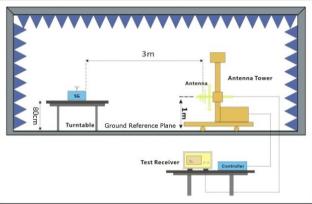


Report No.: KSCR221100232801

Page: 16 of 28

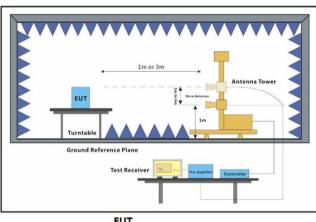
6.6.2 Test Setup Diagram

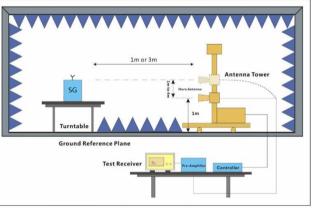




EUT

Substiute Antenna+Signal Generator





EUT

Substiute Antenna+Signal Generator



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

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com.

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300 中国・江苏・昆山市留学生创业园伟业路10号 邮编 215300



Report No.: KSCR221100232801

Page: 17 of 28

6.6.3 Measurement Procedure and Data

Test Procedure:

- (1)On a test site, the EUT shall be placed on a turntable and in the position closest to the normal use as declared by the user.
- (2) The test antenna shall be oriented initially for vertical polarization located 3m from the EUT to correspond to the transmitter.
- (3)The output of the antenna shall be connected to the measuring receiver and either a peak or quasi-peak detector was used for the measurement as indicated on the report. The detector selection is based on how close the emission level was approaching the limit.
- (4) The transmitter shall be switched on; if possible, without the modulation and the measurement receiver shall be tuned to the frequency of the transmitter under test.
- (5) The test antenna shall be raised and lowered through the specified range of height until the measuring receiver detects a maximum signal level.
- (6) The transmitter shall than be rotated through 360 in the horizontal plane, until the maximum signal level is detected by the measuring receiver.
- (7)The test antenna shall be raised and lowered again through the specified range of height until the measuring receiver detects a maximum signal level.
- (8) The maximum signal level detected by the measuring receiver shall be noted.
- (9) The measurement shall be repeated with the test antenna set to horizontal polarization.
- (10) Replace the antenna with a proper Antenna (substitution antenna).
- (11) The substitution antenna shall be oriented for vertical polarization and, if necessary, the length of the substitution antenna shall be adjusted to correspond to the frequency of transmitting.
- (12) The substitution antenna shall be connected to a calibrated signal generator.
- (13)If necessary, the input attenuator setting of the measuring receiver shall be adjusted in order to increase the sensitivity of the measuring receiver.
- (14)The test antenna shall be raised and lowered through the specified range of the height to ensure that the maximum signal is received.
- (15)The input signal to substitution antenna shall be adjusted to the level that produces a level detected by the measuring receiver, that is equal to the level noted while the transmitter radiated power was measured, corrected for the change of input attenuation setting of the measuring receiver.
- (16) The input level to the substitution antenna shall be recorded as power level in dBm, corrected for any change of input attenuator setting of the measuring receiver.
- (17) The measurement shall be repeated with the test antenna and the substitution antenna oriented for horizontal polarization.



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

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 83071443, **Certificate**.

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300 中国・江苏・昆山市留学生创业园伟业路10号 邮编 215300



Report No.: KSCR221100232801

Page: 18 of 28

	LTE Band 48_ Low Channel										
Frequency [MHz]	Reading [dBµV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity		
9301.2083	36.79	-38.38	38.57	-58.28	-40.00	18.28	263	202	Horizontal		
12095.7083	34.71	-35.10	38.70	-56.96	-40.00	16.96	254	198	Horizontal		
7102.18	43.70	-42.23	36.26	-57.53	-40.00	17.53	142	74	Horizontal		
10653.27	35.58	-36.02	39.22	-56.48	-40.00	16.48	263	1	Horizontal		
14204.36	34.69	-34.87	40.00	-55.45	-40.00	15.45	222	235	Horizontal		
17755.45	29.59	-30.96	41.62	-55.00	-40.00	15.00	263	0	Horizontal		

	LTE Band 48 _ Low Channel									
Frequency [MHz]	Reading [dBµV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity	
8525.9167	38.16	-39.66	38.08	-58.68	-40.00	18.68	142	325	Vertical	
12709.0417	34.85	-35.34	39.31	-56.44	-40.00	16.44	285	0	Vertical	
7102.18	48.84	-42.23	36.26	-52.39	-40.00	12.39	296	253	Vertical	
10653.27	39.84	-36.02	39.22	-52.22	-40.00	12.22	263	89	Vertical	
14204.36	43.85	-34.87	40.00	-46.29	-40.00	6.29	225	125	Vertical	
17755.45	29.21	-30.96	41.62	-55.38	-40.00	15.38	142	271	Vertical	

	LTE Band 48_ Mid Channel												
Frequency [MHz]	Reading [dBµV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity				
7232.1667	46.45	-42.00	36.34	-54.47	-40.00	14.47	142	69	Horizontal				
8795.2083	37.56	-38.96	38.37	-58.29	-40.00	18.29	285	1	Horizontal				
12983.125	34.63	-34.89	39.58	-55.93	-40.00	15.93	263	160	Horizontal				
17419.25	32.53	-31.80	40.28	-54.25	-40.00	14.25	265	6	Horizontal				
10848.27	36.59	-35.61	39.43	-54.85	-40.00	14.85	241	0	Horizontal				
14464.36	33.44	-35.01	39.74	-57.09	-40.00	17.09	224	124	Horizontal				



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

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300 中国・江苏・昆山市留学生创业园伟业路10号 邮编 215300



Report No.: KSCR221100232801

Page: 19 of 28

			L1	ΓE Band 4	8_ Mid Chan	nel			
Frequency [MHz]	Reading [dBµV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
7232.1667	51.11	-42.00	36.34	-49.81	-40.00	9.81	142	199	Vertical
8924.1042	38.29	-38.88	38.52	-57.33	-40.00	17.33	285	162	Vertical
13087.5833	34.08	-34.65	39.65	-56.18	-40.00	16.18	263	0	Vertical
17953.5208	32.50	-31.25	42.41	-51.60	-40.00	11.60	265	89	Vertical
10848.27	40.24	-35.61	39.43	-51.20	-40.00	11.20	241	271	Vertical
14464.36	37.63	-35.01	39.74	-52.90	-40.00	12.90	204	90	Vertical

			L	TE Band	48_ High Ch	nannel			
Frequency [MHz]	Reading [dBµV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
9428.1875	37.18	-37.78	38.56	-57.30	-40.00	17.30	142	5	Horizontal
13460.8542	34.52	-34.36	39.88	-55.22	-40.00	15.22	263	268	Horizontal
17858.1667	32.40	-31.05	42.03	-51.88	-40.00	11.88	265	0	Horizontal
7362.18	46.00	-41.89	36.42	-54.74	-40.00	14.74	284	174	Horizontal
11043.27	31.30	-35.46	39.56	-59.86	-40.00	19.86	142	213	Horizontal
14724.36	31.13	-34.33	39.48	-58.99	-40.00	18.99	266	212	Horizontal

			LT	E Band 4	8_High Chan	nel			
Frequency [MHz]	Reading [dBµV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
7362.0208	49.89	-41.89	36.42	-50.84	-40.00	10.84	241	253	Vertical
8925.0625	38.55	-38.87	38.52	-57.07	-40.00	17.07	185	0	Vertical
12371.2292	34.03	-35.20	38.97	-57.45	-40.00	17.45	263	9	Vertical
17870.1458	32.33	-31.09	42.08	-51.94	-40.00	11.94	265	126	Vertical
11043.27	32.38	-35.46	39.56	-58.78	-40.00	18.78	295	56	Vertical
14724.36	35.67	-34.33	39.48	-54.45	-40.00	14.45	284	145	Vertical



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

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@gs.com.

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300 中国・江苏・昆山市留学生创业园伟业路10号 邮编 215300



Report No.: KSCR221100232801

Page: 20 of 28

				NR SA n	48_ Low Cha	annel			
Frequency [MHz]	Reading [dBµV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
8420.0208	38.43	-39.69	37.96	-58.55	-40.00	18.55	142	215	Horizontal
12587.8125	33.23	-34.61	39.19	-57.45	-40.00	17.45	265	270	Horizontal
7104.18	39.62	-42.23	36.26	-61.60	-40.00	21.60	295	357	Horizontal
10656.27	32.07	-36.01	39.22	-59.98	-40.00	19.98	284	196	Horizontal
14208.36	33.06	-34.88	39.99	-57.09	-40.00	17.09	142	304	Horizontal
17760.45	29.89	-30.95	41.64	-54.67	-40.00	14.67	263	1	Horizontal

			N	IR SA n48	_ Low Chanr	nel			
Frequency [MHz]	Reading [dBµV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
7162.2083	53.52	-42.17	36.30	-47.61	-40.00	7.61	296	215	Vertical
8696.0208	38.19	-39.27	38.27	-58.07	-40.00	18.07	265	1	Vertical
10743.5	40.29	-35.85	39.32	-51.51	-40.00	11.51	284	66	Vertical
12465.1458	34.71	-35.28	39.07	-56.77	-40.00	16.77	251	29	Vertical
14324.3125	37.59	-34.90	39.88	-52.70	-40.00	12.70	142	0	Vertical
17760.45	29.63	-30.95	41.64	-54.93	-40.00	14.93	263	5	Vertical

	NR SA n48_ Mid Channel												
Frequency [MHz]	Reading [dBµV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity				
7212.0417	45.56	-42.08	36.33	-55.45	-40.00	15.45	296	306	Horizontal				
8933.2083	38.23	-38.85	38.53	-57.35	-40.00	17.35	265	12	Horizontal				
13093.8125	34.19	-34.64	39.66	-56.05	-40.00	16.05	255	198	Horizontal				
17949.2083	32.86	-31.24	42.40	-51.25	-40.00	11.25	142	4	Horizontal				
10848.27	33.58	-35.61	39.43	-57.86	-40.00	17.86	263	84	Horizontal				
14464.36	33.26	-35.01	39.74	-57.27	-40.00	17.27	221	87	Horizontal				



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

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300 中国・江苏・昆山市留学生创业园伟业路10号 邮编 215300



Report No.: KSCR221100232801

Page: 21 of 28

			N	NR SA n48	_ Mid Chann	nel			
Frequency [MHz]	Reading [dBµV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
7212.0417	53.01	-42.08	36.33	-48.00	-40.00	8.00	296	105	Vertical
8924.1042	38.54	-38.88	38.52	-57.08	-40.00	17.08	265	288	Vertical
10818.25	39.71	-35.69	39.40	-51.84	-40.00	11.84	284	270	Vertical
12966.3542	34.29	-34.90	39.57	-56.31	-40.00	16.31	142	12	Vertical
14424.4583	36.28	-34.79	39.78	-54.00	-40.00	14.00	255	179	Vertical
17667.9375	32.53	-31.32	41.27	-52.78	-40.00	12.78	142	12	Vertical

				NR SA n4	18_ High Cha	annel			
Frequency [MHz]	Reading [dBµV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
7322.25	42.45	-41.79	36.39	-58.20	-40.00	18.20	296	289	Horizontal
9429.625	37.45	-37.78	38.56	-57.04	-40.00	17.04	265	341	Horizontal
12717.6667	34.49	-35.31	39.32	-56.76	-40.00	16.76	241	176	Horizontal
17064.6667	33.53	-32.27	38.86	-55.14	-40.00	15.14	142	357	Horizontal
10986.27	31.89	-35.66	39.59	-59.45	-40.00	19.45	226	304	Horizontal
14648.36	30.66	-34.25	39.55	-59.30	-40.00	19.30	211	174	Horizontal

			LTE	Band n4	8A_High Cha	innel			
Frequency [MHz]	Reading [dBµV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
7322.25	51.40	-41.79	36.39	-49.25	-40.00	9.25	196	215	Vertical
8926.9792	38.15	-38.87	38.52	-57.46	-40.00	17.46	265	234	Vertical
13077.0417	34.05	-34.68	39.65	-56.24	-40.00	16.24	284	235	Vertical
17298.0208	32.67	-31.77	39.79	-54.57	-40.00	14.57	254	215	Vertical
10986.27	32.06	-35.66	39.59	-59.28	-40.00	19.28	142	235	Vertical
14648.36	30.25	-34.25	39.55	-59.71	-40.00	19.71	263	35	Vertical



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

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com.

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300 中国・江苏・昆山市留学生创业园伟业路10号 邮编 215300



Report No.: KSCR221100232801

Page: 22 of 28

			NR	ENDC 48	BA-n5_ Low	Channel			
Frequency [MHz]	Reading [dBµV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1649	47.76	-48.38	25.58	-70.31	-13.00	57.31	219	246	Horizontal
2468.5	59.61	-47.01	27.84	-54.82	-13.00	41.82	154	333	Horizontal
3298	45.61	-46.11	29.48	-66.28	-13.00	53.28	287	11	Horizontal
4125.45	41.53	-45.33	30.80	-68.26	-13.00	55.26	327	65	Horizontal
4950.54	40.41	-45.08	32.48	-67.45	-13.00	54.45	224	0	Horizontal
5775.63	39.32	-43.52	33.48	-65.98	-13.00	52.98	169	4	Horizontal

			NR E	ENDC 48A	-n5_ Low Ch	annel			
Frequency [MHz]	Reading [dBµV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1649	51.17	-48.38	25.58	-66.90	-13.00	53.90	134	249	Vertical
2473.5	56.29	-46.97	27.85	-58.09	-13.00	45.09	179	235	Vertical
3298.5	45.04	-46.11	29.48	-66.85	-13.00	53.85	216	175	Vertical
4125.45	41.21	-45.33	30.80	-68.58	-13.00	55.58	237	204	Vertical
4950.54	40.20	-45.08	32.48	-67.66	-13.00	54.66	198	145	Vertical
5775.63	39.29	-43.52	33.48	-66.01	-13.00	53.01	336	338	Vertical

			NR	ENDC 48	BA-n5_ Mid	Channel			
Frequency [MHz]	Reading [dBµV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1654	50.52	-48.37	25.57	-67.54	-13.00	54.54	274	241	Horizontal
2481	57.99	-46.90	27.86	-56.31	-13.00	43.31	213	33	Horizontal
3310.36	42.66	-46.13	29.48	-69.25	-13.00	56.25	186	167	Horizontal
4137.95	41.05	-45.30	30.82	-68.69	-13.00	55.69	351	257	Horizontal
4965.54	40.63	-45.06	32.52	-67.17	-13.00	54.17	209	316	Horizontal
5793.13	39.79	-43.51	33.54	-65.44	-13.00	52.44	152	316	Horizontal



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

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@gs.com.

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300 中国・江苏・昆山市留学生创业园伟业路10号 邮编 215300 $\begin{array}{lll} t(86\text{-}512)57355888 & f(86\text{-}512)57370818 & \text{www.sgsgroup.com.cn} \\ t(86\text{-}512)57355888 & f(86\text{-}512)57370818 & \text{sgs.china@sgs.com} \\ \end{array}$



Report No.: KSCR221100232801

Page: 23 of 28

	NR ENDC 48A-n5_ Mid Channel											
Frequency [MHz]	Reading [dBµV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity			
1654	52.35	-48.37	25.57	-65.71	-13.00	52.71	312	104	Vertical			
2481	57.86	-46.90	27.86	-56.44	-13.00	43.44	211	58	Vertical			
3310.36	42.41	-46.13	29.48	-69.50	-13.00	56.50	169	132	Vertical			
4137.95	41.85	-45.30	30.82	-67.89	-13.00	54.89	286	313	Vertical			
4965.54	40.00	-45.06	32.52	-67.80	-13.00	54.80	136	360	Vertical			
5793.13	39.92	-43.51	33.54	-65.31	-13.00	52.31	264	163	Vertical			

			NR	ENDC 48	BA-n5_ High	Channel			
Frequency [MHz]	Reading [dBµV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1659	51.94	-48.35	25.57	-66.10	-13.00	53.10	196	241	Horizontal
2488.5	57.92	-46.84	27.88	-56.30	-13.00	43.30	285	35	Horizontal
3318	47.37	-46.14	29.47	-64.56	-13.00	51.56	263	12	Horizontal
4150.45	41.37	-45.26	30.84	-68.31	-13.00	55.31	181	271	Horizontal
4980.54	39.69	-45.04	32.55	-68.05	-13.00	55.05	336	227	Horizontal
5810.63	39.79	-43.48	33.60	-65.35	-13.00	52.35	157	80	Horizontal

	NR ENDC 48A-n5_High Channel												
Frequency [MHz]	Reading [dBµV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity				
1659	55.85	-48.35	25.57	-62.19	-13.00	49.19	266	248	Vertical				
2488.5	59.83	-46.84	27.88	-54.39	-13.00	41.39	287	56	Vertical				
3318	46.05	-46.14	29.47	-65.88	-13.00	52.88	312	56	Vertical				
4150.45	41.05	-45.26	30.84	-68.63	-13.00	55.63	352	359	Vertical				
4980.54	40.14	-45.04	32.55	-67.60	-13.00	54.60	169	191	Vertical				
5810.63	39.83	-43.48	33.60	-65.31	-13.00	52.31	213	262	Vertical				



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

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com.

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300 中国・江苏・昆山市留学生创业园伟业路10号 邮编 215300



Report No.: KSCR221100232801

Page: 24 of 28

	NR ENDC 48A-n66_ Low Channel												
Frequency [MHz]	Reading [dBµV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity				
3451.5	49.10	-45.81	29.42	-62.55	-13.00	49.55	296	32	Horizontal				
5136.27	40.42	-44.24	32.60	-66.48	-13.00	53.48	265	282	Horizontal				
6848.36	39.54	-42.50	35.90	-62.32	-13.00	49.32	284	116	Horizontal				
8560.45	36.72	-39.70	38.12	-60.12	-13.00	47.12	142	116	Horizontal				
10272.54	32.78	-36.75	38.80	-60.43	-13.00	47.43	255	82	Horizontal				
11984.63	32.12	-35.34	38.62	-59.86	-13.00	46.86	286	360	Horizontal				

	NR ENDC 48A-n66_ Low Channel												
Frequency [MHz]	Reading [dBµV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity				
3451.5	48.07	-45.81	29.42	-63.58	-13.00	50.58	196	246	Vertical				
5136.27	40.96	-44.24	32.60	-65.94	-13.00	52.94	265	262	Vertical				
6848.36	39.70	-42.50	35.90	-62.16	-13.00	49.16	287	145	Vertical				
8560.45	37.50	-39.70	38.12	-59.34	-13.00	46.34	142	3	Vertical				
10272.54	33.04	-36.75	38.80	-60.17	-13.00	47.17	263	29	Vertical				
11984.63	31.52	-35.34	38.62	-60.46	-13.00	47.46	268	353	Vertical				

	NR ENDC 48A-n66_ Mid Channel												
Frequency [MHz]	Reading [dBµV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity				
3451.5	49.33	-45.81	29.42	-62.32	-13.00	49.32	296	33	Horizontal				
5181.27	40.85	-44.18	32.60	-65.99	-13.00	52.99	265	360	Horizontal				
6908.36	38.75	-42.44	36.02	-62.94	-13.00	49.94	284	298	Horizontal				
8635.45	35.97	-39.66	38.20	-60.75	-13.00	47.75	144	332	Horizontal				
10362.54	33.36	-36.60	38.90	-59.61	-13.00	46.61	366	198	Horizontal				
12089.63	32.78	-35.20	38.69	-58.99	-13.00	45.99	256	82	Horizontal				



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not 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 check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com.

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300 中国・江苏・昆山市留学生创业园伟业路10号 邮编 215300



Report No.: KSCR221100232801

Page: 25 of 28

	NR ENDC 48A-n66_ Mid Channel											
Frequency [MHz]	Reading [dBµV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity			
3451.5	49.61	-45.81	29.42	-62.04	-13.00	49.04	196	46	Vertical			
5181.27	41.13	-44.18	32.60	-65.71	-13.00	52.71	265	360	Vertical			
6908.36	39.39	-42.44	36.02	-62.30	-13.00	49.30	241	343	Vertical			
8635.45	35.54	-39.66	38.20	-61.18	-13.00	48.18	142	46	Vertical			
10362.54	33.71	-36.60	38.90	-59.26	-13.00	46.26	254	294	Vertical			
12089.63	32.56	-35.20	38.69	-59.21	-13.00	46.21	199	194	Vertical			

			NR	ENDC 48	A-n66_ High	Channel			
Frequency [MHz]	Reading [dBµV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
3484.18	41.87	-45.73	29.41	-69.71	-13.00	56.71	296	359	Horizontal
5226.27	40.23	-44.11	32.60	-66.54	-13.00	53.54	255	332	Horizontal
6968.36	38.76	-42.54	36.14	-62.90	-13.00	49.90	142	182	Horizontal
8710.45	35.25	-39.34	38.28	-61.07	-13.00	48.07	263	3	Horizontal
10452.54	33.14	-36.43	39.00	-59.55	-13.00	46.55	225	48	Horizontal
12194.63	31.14	-35.26	38.80	-60.58	-13.00	47.58	214	359	Horizontal

	NR ENDC 48A-n66_High Channel												
Frequency [MHz]	Reading [dBµV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity				
3451.5	49.80	-45.81	29.42	-61.85	-13.00	48.85	196	46	Vertical				
5226.27	40.88	-44.11	32.60	-65.89	-13.00	52.89	265	359	Vertical				
6968.36	39.08	-42.54	36.14	-62.58	-13.00	49.58	241	263	Vertical				
8710.45	36.35	-39.34	38.28	-59.97	-13.00	46.97	185	113	Vertical				
10452.54	32.28	-36.43	39.00	-60.41	-13.00	47.41	255	96	Vertical				
12194.63	31.03	-35.26	38.80	-60.69	-13.00	47.69	244	231	Vertical				

Remark:

1) Pretest was performed at the EUT in required band, channel, modulation, bandwidth, and only the data of the worst case showed in the test report.



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not 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 check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com.

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300 中国・江苏・昆山市留学生创业园伟业路10号 邮编 215300



Report No.: KSCR221100232801

Page: 26 of 28

6.7 Frequency stability

Test Requirement: §2.1055

Test Method: ANSI C63.26, KDB 971168 D01 v03

Limit: $\leq \pm 2.5$ ppm.

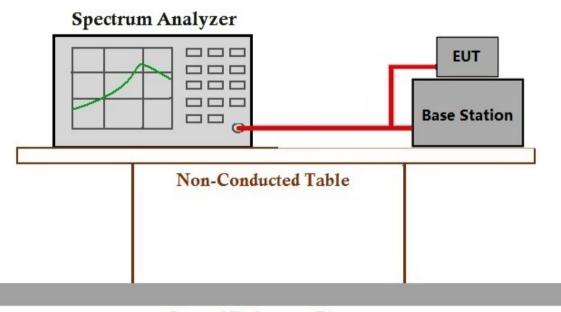
6.7.1 E.U.T. Operation

Operating Environment:

Temperature: 21.5 °C Humidity: 53.5 % RH Atmospheric Pressure: 1020 mbar

Test mode Tx mode, Keep the EUT in transmitting mode.

6.7.2 Test Setup Diagram



Ground Reference Plane

6.7.3 Measurement Data

Please refer to Appendix A for KSCR221100232801 Appendix B for KSCR221100232802



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

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com.

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300 中国・江苏・昆山市留学生创业园伟业路10号 邮编 215300



Report No.: KSCR221100232801

Page: 27 of 28

6.8 Modulation Characteristics

Test Requirement: §2.1047

Test Method: ANSI C63.26, KDB 971168 D01 v03

Limit: Digital modulation

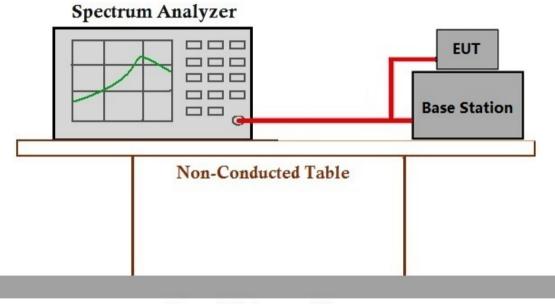
6.8.1 E.U.T. Operation

Operating Environment:

Temperature: 21.5 °C Humidity: 53.5 % RH Atmospheric Pressure: 1020 mbar

Test mode Tx mode, Keep the EUT in transmitting mode.

6.8.2 Test Setup Diagram



Ground Reference Plane

6.8.3 Measurement Data

Please refer to Appendix A for KSCR221100232801 Appendix B for KSCR221100232802



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

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com.

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300 中国・江苏・昆山市留学生创业园伟业路10号 邮编 215300



Report No.: KSCR221100232801

Page: 28 of 28

7 Test Setup Photographs

Refer to Appendix - Test Setup Photo for KSCR2211002328AT

8 EUT Constructional Details

Refer to Appendix - Photographs of EUT Constructional Details for KSCR2211002328AT

- 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-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction document. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com.

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300 中国・江苏・昆山市留学生创业园伟业路10号 邮编 215300