

Report No.: FYCR220500017703

Page: 1 of 26

### TEST REPORT

Application No.: FYCR2205000177AT

**Applicant:** Zhongshan Transtek Electronics Co., Ltd.

Address of Applicant: No. 23, Jin'an Road, Minzhong, Zhongshan, Guangdong, China

**Manufacturer:** Zhongshan Transtek Electronics Co., Ltd.

Address of Manufacturer: No. 23, Jin'an Road, Minzhong, Zhongshan, Guangdong, China

**Factory:** Zhongshan Transtek Electronics Co., Ltd.

Address of Factory: No. 23, Jin'an Road, Minzhong, Zhongshan, Guangdong, China

**Equipment Under Test (EUT):** 

**EUT Name:** Pro Cellular Body Scale

Model No.: BS-2001-G1

FCC ID: 2AOJNBS-2001-G1

Standard(s): 47 CFR Part 2

47 CFR Part 24 subpart E 47 CFR Part 27 subpart C

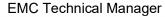
**Date of Receipt:** 2022-05-17

**Date of Test:** 2022-05-18 to 2022-06-08

**Date of Issue:** 2022-06-09

Test Result: 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 <a href="http://www.sgs.com/en/Terms-and-Conditions.aspx">http://www.sgs.com/en/Terms-and-Conditions.aspx</a> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx">http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx</a>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction 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 unlawfull and offenders may be prosecuted to the fullest extend of the law Luness 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 finspection report & certificate, please contact us at telephone: (86-755) 83071443, \*\*Attention:\*\* To check the authenticity of testing finspection report & certificate, please contact us at telephone: (86-755) 83071443, \*\*\*

<sup>\*</sup> In the configuration tested, the EUT complied with the standards specified above.



Report No.: FYCR220500017703

Page: 2 of 26

	Revision Record					
Version	Version Chapter Date Modifier Remark					
01		2022-06-09		Original		

Authorized for issue by:		
	Tree 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 <a href="http://www.sgs.com/en/Terms-and-Conditions.apg.">http://www.sgs.com/en/Terms-and-Conditions.apg.</a> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="http://www.sgs.com/en/Terms-and-Conditions/Terms-en-Document.apg.">http://www.sgs.com/en/Terms-and-Conditions/Terms-en-Document.apg.</a>
Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawfull and offenders may be prosecuted to the fullest entry 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 of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN Deccheck@sss.com; or certificate, please accontact us at telephone: (86-755) 8307 1443, or email: CN Deccheck@sss.com; or certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN Deccheck@sss.com; or certificate, please accontact us at telephone: (86-755) 8307 1443.



Report No.: FYCR220500017703

Page: 3 of 26

### 2 Test Summary

#### CatM1 Band 2

Test Item	FCC Rule No.	Requirements	Verdict
Effective (Isotropic) Radiated Power Output Data	§2.1046 §24.232	EIRP≤2W	PASS
Peak-Average Ratio	§2.1046 §24.232	≤13dB	PASS
Modulation Characteristics			PASS
Bandwidth	Bandwidth §2.1049(h) OBW: No limit EBW: No limit		PASS
Band Edge Compliance	\$2.1051 ≤ -13dBm/1%*EBW, in 1 MHz bands immediately outside and adjacent to the frequency block.		PASS
Spurious emissions at antenna terminals	§2.1051 §24.238	≤ -13 dBm/1MHz, from 9 kHz to 10th harmonics but outside authorized operating frequency ranges.	PASS
Field strength of spurious radiation	§2.1053 §24.238	≤ -13dBm/1MHz	PASS
Frequency stability	§2.1055 §24.235	≤ ±2.5ppm	PASS

### CatM1 Band 4

	FCC			
Test Item		Requirements	Verdict	
	Rule No.			
Effective (Isotropic)	§2.1046			
Radiated Power Output	§27.50(d)	EIRP≤1W	PASS	
Data				
Peak-Average Ratio	§2.1046	≤13dB	PASS	
reak-Average Natio	§27.50(d)	130D	FASS	
Modulation	§2.1047	Digital modulation	PASS	
Characteristics	92.104 <i>1</i>	Digital Modulation	PASS	
Bandwidth	SO 4040(b)	OBW: No limit	PASS	
Danawiath	§2.1049(h)	EBW: No limit		
Pand Edga Camplianas	§2.1051	≤ -13dBm/1%*EBW, in 1 MHz bands immediately	DACC	
Band Edge Compliance	§27.53(h)	outside and adjacent to the frequency block.	PASS	
Spurious emissions at	§2.1051	≤ -13 dBm/1MHz, from 9 kHz to 10th harmonics but	PASS	
antenna terminals	§27.53(h)	outside authorized operating frequency ranges.		
Field strength of	§2.1053	≤ -13dBm/1MHz	PASS	
spurious radiation	§27.53(h)	- 13uDiii/ 1ivi⊓2	PASS	
Eroquonov stability	§2.1055	< ±2 5ppm	PASS	
Frequency stability	§27.54	≤ ±2.5ppm	FASS	



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



Report No.: FYCR220500017703

Page: 4 of 26

#### CatM1 Band 12

Test Item	FCC Rule No.	Requirements	Verdict
Effective (Isotropic) Radiated Power Output Data	§2.1046 §27.50(c)	ERP≤3W	PASS
Peak-Average Ratio	§2.1046 §27.50(c)	≤13dB	PASS
Modulation Characteristics	§2.1047	Digital modulation	PASS
Bandwidth	Bandwidth §2.1049(h) OBW: No limit EBW: No limit		PASS
I Band Edde Compliance I		≤ -13dBm/1%*EBW, in 1 MHz bands immediately outside and adjacent to the frequency block.	PASS
Spurious emissions at antenna terminals	§2.1051 §27.53(g)	≤ -13 dBm/100 kHz, from 9 kHz to 10th harmonics but outside authorized operating frequency ranges.	PASS
Field strength of spurious radiation	§2.1053 §27.53(g)	≤ -13dBm/100KHz	PASS
Frequency stability	§2.1055 §27.54	≤ ±2.5ppm	PASS

#### CatM1 Band 13

Calivi i Ballu 13			
Test Item	FCC	Baguiramento	Verdict
rest item	Rule No.	Requirements	verdict
Effective (Isotropic) Radiated Power Output Data	§2.1046 §27.50(c)	ERP≤3W	PASS
Peak-Average Ratio	§2.1046 §27.50(c)	≤13dB	PASS
Modulation Characteristics	§2.1047	Digital modulation	PASS
Bandwidth	§2.1049(h)	OBW: No limit EBW: No limit	PASS
Band Edge Compliance	§2.1051 §27.53(g)	≤ -13dBm/1%*EBW, in 1 MHz bands immediately outside and adjacent to the frequency block.	PASS
Spurious emissions at antenna terminals	§2.1051 §27.53(g)	≤ -13 dBm/100 kHz, from 9 kHz to 10th harmonics but outside authorized operating frequency ranges.	PASS
Field strength of spurious radiation	§2.1053 §27.53(g)	≤ -13dBm/100KHz	PASS
Frequency stability	§2.1055 §27.54	≤ ±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 <a href="http://www.sgs.com/en/Terms-and-Conditions.aspx">http://www.sgs.com/en/Terms-and-Conditions.aspx</a> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="http://www.sgs.com/en/Terms-and-Conditions/Terms-en-Document.aspx">http://www.sgs.com/en/Terms-and-Conditions/Terms-en-Document.aspx</a>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information 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 unlawfull and offenders may be prosecuted to the fullest ent 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 of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, remail: CN Descherciffsus cond.



Report No.: FYCR220500017703

Page: 5 of 26

### 3 Contents

		Page
1	1 COVER PAGE	1
2	2 TEST SUMMARY	3
3	3 CONTENTS	
4		
4		
	4.1 DETAILS OF E.U.T.	
	4.2 DESCRIPTION OF SUPPORT UNITS	
	4.3 MEASUREMENT UNCERTAINTY	
	2.1 Test Frequency	
	4.4 TEST LOCATION	
	4.5 Test Facility	
	4.6 DEVIATION FROM STANDARDS	
	4.7 ABNORMALITIES FROM STANDARD CONDITIONS	
5		
_		
6		
	6.1 EFFECTIVE (ISOTROPIC) RADIATED POWER OUTPUT DATA	13
	6.1.1 E.U.T. Operation	
	6.1.2 Test Mode Description	
	6.1.3 Test Setup Diagram	
	6.1.4 Measurement Procedure and Data	
	6.2.1 E.U.T. Operation	
	6.2.2 Test Mode Description	
	6.2.3 Test Setup Diagram	
	6.2.4 Measurement Procedure and Data	
	6.3 MODULATION CHARACTERISTICS	
	6.3.1 E.U.T. Operation	
	6.3.2 Test Mode Description	15
	6.3.3 Test Setup Diagram	
	6.3.4 Measurement Procedure and Data	
	0.1 2,4151115111	16
	6.4.1 E.U.T. Operation	
	6.4.2 Test Mode Description	
	6.4.3 Test Setup Diagram	
	6.4.4 Measurement Procedure and Data	
	6.5 BAND EDGE COMPLIANCE	
	6.5.1 E.U.T. Operation	
	6.5.2 Test Mode Description	
	6.5.4 Measurement Procedure and Data	
	6.6 Spurious emissions at antenna terminals	
	5. 5. 6. 6. 6. 6. 6. 6. 6. 7. 7. 441 E. 400 T.	



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



Report No.: FYCR220500017703

Page: 6 of 26

4	EUT C	CONSTRUCTIONAL DETAILS (EUT PHOTOS)	26
3	TEST	SETUP PHOTO	26
	6.8.3	Measurement Procedure and Data	25
	6.8.2	Test Setup Diagram	
	6.8.1	Test Mode Description	
	6.8.1	E.U.T. Operation	
6	.8 F	REQUENCY STABILITY	25
	2.2.1	Measurement Procedure and Data	
	6.7.4	Measurement Procedure and Data	19
	6.7.3	Test Setup Diagram	19
	6.7.2	Test Mode Description	
	6.7.1	E.U.T. Operation	
6	.7 F	FIELD STRENGTH OF SPURIOUS RADIATION	
	6.6.4	Measurement Procedure and Data	
	6.6.3	Test Setup Diagram	
	6.6.2	Test Mode Description	18
	6.6.1	E.U.T. Operation	18



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



Report No.: FYCR220500017703

Page: 7 of 26

### 4 General Information

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

Power supply:	DC 6V(4*1.5V AA Batteries)
Internal Source:	More than 108MHz
Operation Frequency Band:	CatM1 Band 2, 4, 12, 13
Modulation Type:	QPSK, 16QAM
Antenna Type:	PIFA Antenna
Antenna Gain:	CatM Band2: 3.86dBi(Low/Middle Channel), 1.65dBi(High channel)
	CatM Band4: 3.86dBi
	CatM Band12: 1.38dBi
	CatM Band13: 1.38dBi
Extreme temp. Tolerance:	-30°C to +50°C

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
Effective (Isotropic) Radiated Power Output Data	± 3.1dB (Below 1GHz),± 4.4dB (Above 1GHz)
Peak-Average Ratio	± 0.8dB
Modulation Characteristics	± 0.8dB
Bandwidth	± 0.3%
Band Edge Compliance	± 2.7dB
Spurious emissions at antenna terminals	± 2.7dB
Field strength of spurious radiation	± 2.7dB
Frequency stability	± 5.4 x 10-8



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



Report No.: FYCR220500017703

Page: 8 of 26

### 2.1 Test Frequency

	Nominal	RF Channel			
Test Mode	Bandwidth	Low (L)	Middle (M)	High (H)	
	(MHz)	MHz	MHz	MHz	
	1.4	1850.7	1880	1909.3	
	3	1851.5	1880	1908.5	
CatM1 Band 2	5	1852.5	1880	1907.5	
Calivi i Bariu 2	10	1855.0	1880	1905.0	
	15	1857.5	1880	1902.5	
	20	1860.0	1880	1900.0	
	Nominal		RF Channel		
Test Mode	Bandwidth	Low (L)	Middle (M)	High (H)	
	(MHz)	MHz	MHz	MHz	
	1.4	1710.7	1732.5	1754.3	
	3	1711.5	1732.5	1753.5	
CatM1 Band 4	5	1712.5	1732.5	1752.5	
Cativi i Danu 4	10	1715.0	1732.5	1750.0	
	15	1717.5	1732.5	1747.5	
	20	1720.0	1732.5	1745.0	
	Nominal	RF Channel			
Test Mode	Bandwidth	Low (L)	Middle (M)	High (H)	
	(MHz)	MHz	MHz	MHz	
	1.4	699.7	707.5	715.3	
CatM1 Band 12	3	700.5	707.5	714.5	
Cativi i Danu 12	5	701.5	707.5	713.5	
	10	704.0	707.5	711.0	
	Nominal		RF Channel		
Test Mode	Bandwidth	Low (L)	Middle (M)	High (H)	
	(MHz)	MHz	MHz	MHz	
CatM1 Band 13	5	779.5	782.0	784.5	
Janu 13	10	1	782.0	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 <a href="http://www.sgs.com/en/Terms-and-Conditions.apg.">http://www.sgs.com/en/Terms-and-Conditions.apg.</a> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="http://www.sgs.com/en/Terms-and-Conditions/Terms-en-Document.apg.">http://www.sgs.com/en/Terms-and-Conditions/Terms-en-Document.apg.</a>
Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawfull and offenders may be prosecuted to the fullest entry 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 of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN Deccheck@sss.com; or certificate, please accontact us at telephone: (86-755) 8307 1443, or email: CN Deccheck@sss.com; or certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN Deccheck@sss.com; or certificate, please accontact us at telephone: (86-755) 8307 1443.



Report No.: FYCR220500017703

Page: 9 of 26

### 2.2 Test Environment

Environment Parameter	Selected Values During Tests		
Relative Humidity		52%	
Atmospheric Pressure:	1	015Pa	
	TL	-30°C	
Temperature:	TN	+20°C	
	TH	+50°C	
	VL	5.1 V	
Voltage:	VN	6 V	
	VH	6 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



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



Report No.: FYCR220500017703

Page: 10 of 26

#### 4.4 Test Location

All tests were performed at:

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

None

#### 4.7 Abnormalities from Standard Conditions

None



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="http://www.sgs.com/en/Terms-and-Conditions.aspx.and">http://www.sgs.com/en/Terms-and-Conditions.for Electronic Documents a thittp://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 unlawfull 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 finspection report & certificate, please contact us at telephone: (86-755) 8307 1443,



Report No.: FYCR220500017703

Page: 11 of 26

### 5 Equipment List

RF Conducted Test	F Conducted Test					
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	

Field strength of spurious radiation(Below 1GHz & Above 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(25MHz-2GHz)	Schwarzbeck	VULB9168	SEM003-33	2021/9/25	2024/9/24	
Biconical Antenna(150MHz-1GHz)	Schwarzbeck	VUBA9117	SEM003-35	2021/12/26	2024/12/25	
Loop Antenna(9kHz- 30MHz)	ETS-LINDGREN	6502	SEM003-36	2021/9/26	2024/9/25	
MXE EMI receiver(20Hz- 8.4GHz)	Agilent	N9038A	SEM004-05	2021/7/13	2022/7/12	
Pre-amplifier (0.1- 1.3GHz)	HP	8447D	SEM005-02	2021/7/13	2022/7/12	
Broad-Band Horn Antenna (15-40GHz)	Schwarzbeck	BBHA 9170	SEM003-15	2021/7/11	2024/7/10	
Broad-Band Horn Antenna (1-18GHz)	Schwarzbeck	BBHA 9120D	SEM003-32	2021/9/26	2024/9/25	
Double-ridged waveguide horn (1- 18GHz)	ETS-LINDGREN	3117	SEM003-34	2021/9/25	2024/9/24	



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



Report No.: FYCR220500017703

Page: 12 of 26

Spectrum Analyzer(20Hz-43GHz)	Rohde & Schwarz	101288	SEM004-08	2021/7/13	2022/7/12
Low Noise Amplifier(100MHz- 18GHz)	CLAVIIO	BDLNA-0118- 352810	SEM005-05	2021/7/13	2022/7/12
Pre-amplifier(26GHz- 40GHz)	Compliance Directions Systems Inc.	PAP-2640-50	SEM005-08	2021/7/13	2022/7/12
Pre-amplifier(18GHz- 26GHz)	Rohde & Schwarz	CH14-H052	SEM005-17	2021/7/13	2022/7/12

General used equipmen	eneral used equipment							
Equipment	Manufacturer	Model No	Inventory No Cal Date Cal Due		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 <a href="http://www.sgs.com/en/Terms-and-Conditions.apg.">http://www.sgs.com/en/Terms-and-Conditions.apg.</a> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="http://www.sgs.com/en/Terms-and-Conditions/Terms-en-Document.apg.">http://www.sgs.com/en/Terms-and-Conditions/Terms-en-Document.apg.</a>
Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawfull and offenders may be prosecuted to the fullest entry 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 of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN Deccheck@sss.com; or certificate, please accontact us at telephone: (86-755) 8307 1443, or email: CN Deccheck@sss.com; or certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN Deccheck@sss.com; or certificate, please accontact us at telephone: (86-755) 8307 1443.



Report No.: FYCR220500017703

Page: 13 of 26

### 6 Radio Spectrum Matter Test Results

### 6.1 Effective (Isotropic) Radiated Power Output Data

Test Requirement Reference test summary

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

Limit: Reference test summary

### 6.1.1 E.U.T. Operation

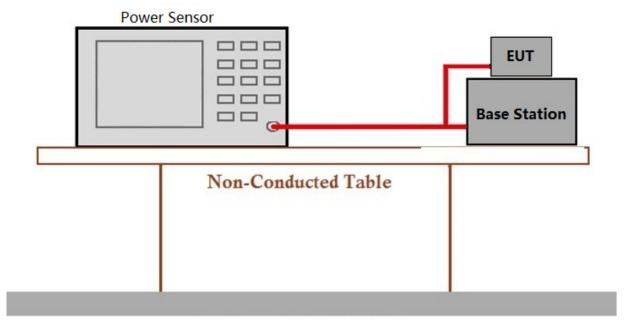
Operating Environment:

Temperature: 22.3 °C Humidity: 55.8 % RH Atmospheric Pressure: 1020 mbar

#### 6.1.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	02	TX mode_Keep the EUT in transmitting mode

### 6.1.3 Test Setup Diagram



Ground Reference Plane

#### 6.1.4 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 <a href="http://www.sgs.com/en/Terms-and-Conditions.aspx">http://www.sgs.com/en/Terms-and-Conditions.aspx</a> and, for electronic Documents as the subject to Terms and Conditions for Electronic Documents as the time of its 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 of the law. Diese 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 finspection report & certificate, please contact us at telephone: (86-755) 8307 1443,



Report No.: FYCR220500017703

Page: 14 of 26

### 6.2 Peak-Average Ratio

Test Requirement Reference test summary

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

Limit: Reference test summary

#### 6.2.1 E.U.T. Operation

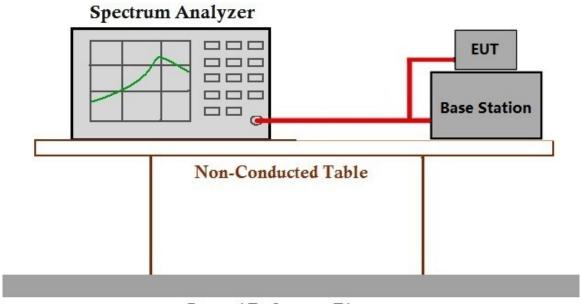
Operating Environment:

Temperature: 22.3 °C Humidity: 55.8 % RH Atmospheric Pressure: 1020 mbar

#### 6.2.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	02	TX mode_Keep the EUT in transmitting mode

#### 6.2.3 Test Setup Diagram



Ground Reference Plane

#### 6.2.4 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 <a href="http://www.sgs.com/en/Terms-and-Conditions.aspx">http://www.sgs.com/en/Terms-and-Conditions</a> for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx">http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx</a>. Attention is drawn to the limitation of liability, indeminification 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 tested 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: CVP. Doccheck@ss.com



Report No.: FYCR220500017703

Page: 15 of 26

#### 6.3 Modulation Characteristics

Test Requirement Reference test summary

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

Limit: Reference test summary

### 6.3.1 E.U.T. Operation

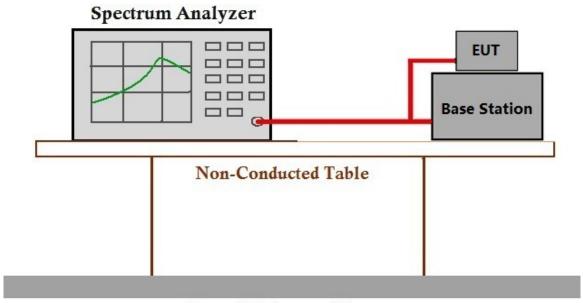
Operating Environment:

Temperature: 22.3 °C Humidity: 55.8 % RH Atmospheric Pressure: 1020 mbar

#### 6.3.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	02	TX mode_Keep the EUT in transmitting mode

#### 6.3.3 Test Setup Diagram



Ground Reference Plane

#### 6.3.4 Measurement Procedure and Data

Note: This device uses digital 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 <a href="http://www.sgs.com/en/Terms-and-Conditions.aspx">http://www.sgs.com/en/Terms-and-Conditions.aspx</a> and, for electronic Documents as the time of the Terms and Conditions for Electronic Documents as the Terms and Conditions for Electronic Document say the 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 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 unlawfull 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 festing finspection report & certificate, please contact us at telephone: (86-755) 8307 1443,



Report No.: FYCR220500017703

Page: 16 of 26

#### 6.4 Bandwidth

Test Requirement Reference test summary

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

Limit: Reference test summary

#### 6.4.1 E.U.T. Operation

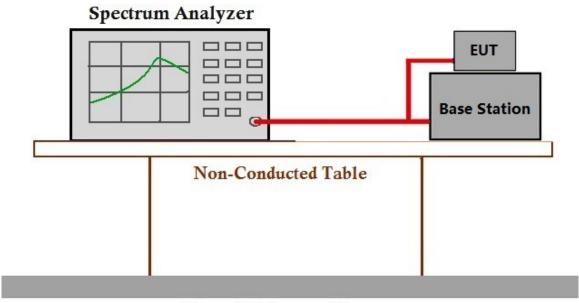
Operating Environment:

Temperature: 22.3 °C Humidity: 55.8 % RH Atmospheric Pressure: 1020 mbar

#### 6.4.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	02	TX mode_Keep the EUT in transmitting mode

#### 6.4.3 Test Setup Diagram



Ground Reference Plane

#### 6.4.4 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 <a href="http://www.sgs.com/en/Terms-and-Conditions.aspx">http://www.sgs.com/en/Terms-and-Conditions.aspx</a> and, for electronic Documents as the time of the Terms and Conditions for Electronic Documents as the Terms and Conditions for Electronic Document say the 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 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 unlawfull 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 festing finspection report & certificate, please contact us at telephone: (86-755) 8307 1443,



Report No.: FYCR220500017703

Page: 17 of 26

### 6.5 Band Edge Compliance

Test Requirement Reference test summary

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

Limit: Reference test summary

#### 6.5.1 E.U.T. Operation

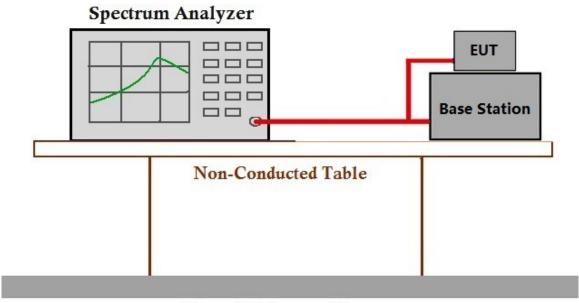
Operating Environment:

Temperature: 22.3 °C Humidity: 55.8 % RH Atmospheric Pressure: 1020 mbar

#### 6.5.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	02	TX mode_Keep the EUT in transmitting mode

#### 6.5.3 Test Setup Diagram



Ground Reference Plane

#### 6.5.4 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 <a href="http://www.sgs.com/en/Terms-and-Conditions.aspx">http://www.sgs.com/en/Terms-and-Conditions.aspx</a> and, for electronic Documents as the time of the Terms and Conditions for Electronic Documents as the Terms and Conditions for Electronic Document say the 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 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 unlawfull 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 festing finspection report & certificate, please contact us at telephone: (86-755) 8307 1443,



Report No.: FYCR220500017703

Page: 18 of 26

### 6.6 Spurious emissions at antenna terminals

Test Requirement Reference test summary

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

Limit: Reference test summary

#### 6.6.1 E.U.T. Operation

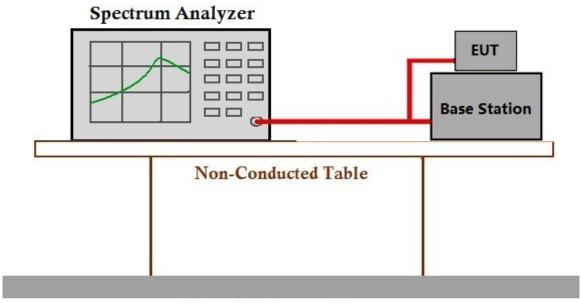
Operating Environment:

Temperature: 22.3 °C Humidity: 55.8 % RH Atmospheric Pressure: 1020 mbar

#### 6.6.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	02	TX mode_Keep the EUT in transmitting mode

#### 6.6.3 Test Setup Diagram



Ground Reference Plane

#### 6.6.4 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 <a href="http://www.sgs.com/en/Terms-and-Conditions.aspx">http://www.sgs.com/en/Terms-and-Conditions.aspx</a> and, for electronic Documents as the time of the Terms and Conditions for Electronic Documents as the Terms and Conditions for Electronic Document say the 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 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 unlawfull 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 festing finspection report & certificate, please contact us at telephone: (86-755) 8307 1443,



Report No.: FYCR220500017703

Page: 19 of 26

### 6.7 Field strength of spurious radiation

Test Requirement Reference test summary

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

Measurement Distance: 3m

Limit: Reference test summary

#### 6.7.1 E.U.T. Operation

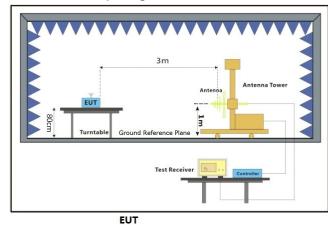
Operating Environment:

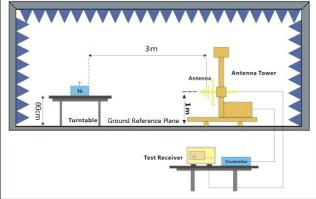
Temperature: 22.3 °C Humidity: 55.8 % RH Atmospheric Pressure: 1020 mbar

### 6.7.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	02	TX mode_Keep the EUT in transmitting mode

#### 6.7.3 Test Setup Diagram





Substiute Antenna+Signal Generator

#### 6.7.4 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, 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.spx.
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 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 unlawfull 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 finspection report & certificate, please contact us at telephone: (86-755) 8307 1443,



Report No.: FYCR220500017703

Page: 20 of 26

#### 2.2.1 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 <a href="http://www.sgs.com/en/Terms-and-Conditions.aspx.and">http://www.sgs.com/en/Terms-and-Conditions.for Electronic Documents at <a href="http://www.sgs.com/en/Terms-and-Conditions-and-Conditions-and-Conditions-And-Conditions



Report No.: FYCR220500017703

Page: 21 of 26

	CatM Band 2-20MHz Low channel, Modulation: QPSK, 1 RB								
Frequency (MHz)	EIRP (dBm)	Limit(dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result	
3702	-50.3	-13	-37.3	-52.52	6.99	9.21	Horizontal	Pass	
5553	-47.77	-13	-34.77	-50.09	8.27	10.59	Horizontal	Pass	
7404	-44.48	-13	-31.48	-48.02	8.19	11.73	Horizontal	Pass	
3702	-50.74	-13	-37.74	-52.96	6.99	9.21	Vertical	Pass	
5553	-48.42	-13	-35.42	-50.74	8.27	10.59	Vertical	Pass	
7404	-45.39	-13	-32.39	-48.93	8.19	11.73	Vertical	Pass	

	CatM Band 2-20MHz Middle channel, Modulation: QPSK, 1 RB								
Frequency (MHz)	EIRP (dBm)	Limit(dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result	
3742	-51.78	-13	-38.78	-54	6.99	9.21	Horizontal	Pass	
5613	-47.77	-13	-34.77	-50.09	8.27	10.59	Horizontal	Pass	
7484	-44.3	-13	-31.3	-47.84	8.19	11.73	Horizontal	Pass	
3742	-51.11	-13	-38.11	-53.33	6.99	9.21	Vertical	Pass	
5613	-48.72	-13	-35.72	-51.04	8.27	10.59	Vertical	Pass	
7484	-44.27	-13	-31.27	-47.81	8.19	11.73	Vertical	Pass	

	CatM Band 2-20MHz High channel, Modulation: QPSK, 1 RB								
Frequency (MHz)	EIRP (dBm)	Limit(dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result	
3782	-49.01	-13	-36.01	-51.23	6.99	9.21	Horizontal	Pass	
5673	-48.96	-13	-35.96	-51.28	8.27	10.59	Horizontal	Pass	
7564	-44.78	-13	-31.78	-48.61	8.43	12.26	Horizontal	Pass	
3782	-49.97	-13	-36.97	-52.19	6.99	9.21	Vertical	Pass	
5673	-48.53	-13	-35.53	-50.85	8.27	10.59	Vertical	Pass	
7564	-44.28	-13	-31.28	-48.11	8.43	12.26	Vertical	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 <a href="http://www.sgs.com/en/Terms-and-Conditions.apg.">http://www.sgs.com/en/Terms-and-Conditions.apg.</a> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="http://www.sgs.com/en/Terms-and-Conditions/Terms-en-Document.apg.">http://www.sgs.com/en/Terms-and-Conditions/Terms-en-Document.apg.</a>
Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawfull and offenders may be prosecuted to the fullest entry 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 of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN Deccheck@sss.com; or certificate, please accontact us at telephone: (86-755) 8307 1443, or email: CN Deccheck@sss.com; or certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN Deccheck@sss.com; or certificate, please accontact us at telephone: (86-755) 8307 1443.



Report No.: FYCR220500017703

Page: 22 of 26

	CatM Band 4-20MHz Low channel, Modulation: QPSK, 1 RB								
Frequency (MHz)	EIRP (dBm)	Limit(dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result	
3422	-51.09	-13	-38.09	-53.67	5.72	8.3	Horizontal	Pass	
5133	-47.47	-13	-34.47	-49.47	8.3	10.3	Horizontal	Pass	
6844	-47.01	-13	-34.01	-50.56	7.7	11.25	Horizontal	Pass	
3422	-51.4	-13	-38.4	-53.98	5.72	8.3	Vertical	Pass	
5133	-46.71	-13	-33.71	-48.71	8.3	10.3	Vertical	Pass	
6844	-47.6	-13	-34.6	-51.15	7.7	11.25	Vertical	Pass	

		CatM Band 4	-20MHz Middle	e channel,	Modulation:	QPSK, 1 R	В	
Frequency (MHz)	EIRP (dBm)	Limit(dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3447	-51.28	-13	-38.28	-53.86	5.72	8.3	Horizontal	Pass
5170.5	-46.82	-13	-33.82	-48.82	8.3	10.3	Horizontal	Pass
6894	-46.86	-13	-33.86	-50.41	7.7	11.25	Horizontal	Pass
3447	-51.41	-13	-38.41	-53.99	5.72	8.3	Vertical	Pass
5170.5	-46.91	-13	-33.91	-48.91	8.3	10.3	Vertical	Pass
6894	-46.57	-13	-33.57	-50.12	7.7	11.25	Vertical	Pass

	CatM Band 4-20MHz High channel, Modulation: QPSK, 1 RB								
Frequency (MHz)	EIRP (dBm)	Limit(dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result	
3472	-50.84	-13	-37.84	-53.42	5.72	8.3	Horizontal	Pass	
5208	-47.04	-13	-34.04	-49.04	8.3	10.3	Horizontal	Pass	
6944	-46.71	-13	-33.71	-50.26	7.7	11.25	Horizontal	Pass	
3472	-50.84	-13	-37.84	-53.42	5.72	8.3	Vertical	Pass	
5208	-47.04	-13	-34.04	-49.04	8.3	10.3	Vertical	Pass	
6944	-46.71	-13	-33.71	-50.26	7.7	11.25	Vertical	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 <a href="http://www.sgs.com/en/Terms-and-Conditions.apg.">http://www.sgs.com/en/Terms-and-Conditions.apg.</a> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="http://www.sgs.com/en/Terms-and-Conditions/Terms-en-Document.apg.">http://www.sgs.com/en/Terms-and-Conditions/Terms-en-Document.apg.</a>
Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawfull and offenders may be prosecuted to the fullest entry 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 of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN Deccheck@sss.com; or certificate, please accontact us at telephone: (86-755) 8307 1443, or email: CN Deccheck@sss.com; or certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN Deccheck@sss.com; or certificate, please accontact us at telephone: (86-755) 8307 1443.



Report No.: FYCR220500017703

Page: 23 of 26

		CatM Band	12-10MHz Lov	v channel,	Modulation:	QPSK, 1 R	В	
Frequency (MHz)	EIRP (dBm)	Limit(dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1399	-47.59	-13	-34.59	-50.12	2.64	5.17	Horizontal	Pass
2098.5	-45.57	-13	-32.57	-47.9	4.75	7.08	Horizontal	Pass
2798	-53.47	-13	-40.47	-55.94	5.13	7.6	Horizontal	Pass
1399	-48.62	-13	-35.62	-51.15	2.64	5.17	Vertical	Pass
2098.5	-48.23	-13	-35.23	-50.56	4.75	7.08	Vertical	Pass
2798	-52.96	-13	-39.96	-55.43	5.13	7.6	Vertical	Pass

		CatM Band 1	2-10MHz Midd	lle channe	l, Modulatio	n: QPSK, 1	RB	
Frequency (MHz)	EIRP (dBm)	Limit(dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1406	-49.35	-13	-36.35	-51.88	2.64	5.17	Horizontal	Pass
2109	-48.24	-13	-35.24	-50.57	4.75	7.08	Horizontal	Pass
2812	-52.52	-13	-39.52	-54.99	5.13	7.6	Horizontal	Pass
1406	-46.07	-13	-33.07	-48.6	2.64	5.17	Vertical	Pass
2109	-48.24	-13	-35.24	-50.57	4.75	7.08	Vertical	Pass
2812	-52.77	-13	-39.77	-55.24	5.13	7.6	Vertical	Pass

		CatM Band	12-10MHz Hig	h channel	, Modulation	: QPSK, 1 F	RB	
Frequency (MHz)	EIRP (dBm)	Limit(dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1413	-50.33	-13	-37.33	-52.86	2.64	5.17	Horizontal	Pass
2119.5	-47.46	-13	-34.46	-49.79	4.75	7.08	Horizontal	Pass
2826	-51.88	-13	-38.88	-54.35	5.13	7.6	Horizontal	Pass
1413	-47.99	-13	-34.99	-50.52	2.64	5.17	Vertical	Pass
2119.5	-48.46	-13	-35.46	-50.79	4.75	7.08	Vertical	Pass
2826	-51.95	-13	-38.95	-54.42	5.13	7.6	Vertical	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 <a href="http://www.sgs.com/en/Terms-and-Conditions.apg.">http://www.sgs.com/en/Terms-and-Conditions.apg.</a> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="http://www.sgs.com/en/Terms-and-Conditions/Terms-en-Document.apg.">http://www.sgs.com/en/Terms-and-Conditions/Terms-en-Document.apg.</a>
Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawfull and offenders may be prosecuted to the fullest entry 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 of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN Deccheck@sss.com; or certificate, please accontact us at telephone: (86-755) 8307 1443, or email: CN Deccheck@sss.com; or certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN Deccheck@sss.com; or certificate, please accontact us at telephone: (86-755) 8307 1443.



Report No.: FYCR220500017703

Page: 24 of 26

		CatM Band 1	3-10MHz Midd	dle channe	l, Modulatio	n: QPSK, 1	RB	
Frequency (MHz)	EIRP (dBm)	Limit(dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1555	-51.1	-13	-38.1	-54.76	3.77	7.43	Horizontal	Pass
2332.5	-47.93	-13	-34.93	-50.26	4.75	7.08	Horizontal	Pass
3110	-50.65	-13	-37.65	-53.23	5.72	8.3	Horizontal	Pass
1555	-50.16	-13	-37.16	-53.82	3.77	7.43	Vertical	Pass
2332.5	-47.04	-13	-34.04	-49.37	4.75	7.08	Vertical	Pass
3110	-49.01	-13	-36.01	-51.59	5.72	8.3	Vertical	Pass

Note: All modes have been tested and we found QPSK test mode has the worst test result. Only record the worst test result.

EIRP= S.G. Power- Cable loss+ Antenna Gain



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



Report No.: FYCR220500017703

Page: 25 of 26

### 6.8 Frequency stability

Test Requirement Reference test summary

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

Limit: Reference test summary

### 6.8.1 E.U.T. Operation

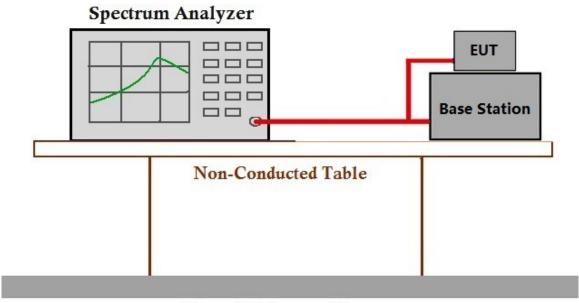
Operating Environment:

Temperature: 22.3 °C Humidity: 55.8 % RH Atmospheric Pressure: 1020 mbar

#### 6.8.1 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	02	TX mode_Keep the EUT in transmitting mode

#### 6.8.2 Test Setup Diagram



Ground Reference Plane

#### 6.8.3 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 <a href="http://www.sgs.com/en/Terms-and-Conditions.aspx">http://www.sgs.com/en/Terms-and-Conditions.aspx</a> and, for electronic Documents as the time of the Terms and Conditions for Electronic Documents as the Terms and Conditions for Electronic Document say the 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 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 unlawfull 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 festing finspection report & certificate, please contact us at telephone: (86-755) 8307 1443,



Report No.: FYCR220500017703

Page: 26 of 26

### 3 Test Setup Photo

Refer to Appendix – Test Setup Photos for FYCR2205000177AT

### 4 EUT Constructional Details (EUT Photos)

Refer to Appendix - External and Internal Photos for FYCR2205000177AT

- End of the Report -



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="http://www.sgs.com/en/Terms-and-Conditions.aspx.and-do.forelectronic format documents">http://www.sgs.com/en/Terms-and-Conditions/Terms-a-Document.aspx.and-do.forelectronic format documents</a>, subject to Terms and Conditions for Electronic Documents at <a href="http://www.sgs.com/en/Termd-Conditions/Terms-a-Document.aspx.">http://www.sgs.com/en/Termd-Conditions/Terms-a-Document.aspx.and-document.as