

Report No.: SEWM2309000387RG01

Rev.: 01 Page: 1 of 39

TEST REPORT

Application No.: SEWM2309000387RG

Applicant: Cloud Mobile Holdings, LLC

Address of Applicant: 1149 S Hill St, H-400 Los Angeles, CA 90015

Manufacturer: Cloud Mobile Holdings, LLC

Address of Manufacturer: 1149 S Hill St, H-400 Los Angeles, CA 90015

EUT Description: Smart Phone

Model No.: Stratus C8

Trade Mark: Cloud Mobile

FCC ID: 2AY6A-C8

Standards: 47 CFR Part 2

47 CFR Part 22 47 CFR Part 24 47 CFR Part 27

Date of Receipt: 2023/09/25

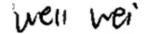
Date of Test: 2023/10/22 to 2023/11/20

Date of Issue: 2023/11/20

Test Result : PASS *

* In the configuration tested, the EUT detailed in this report complied with the standards specified above.

Authorized Signature:



Well Wei Wireless Laboratory Manager



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.spx. 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, indemification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of 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) are retained for 30 days only.

South of No. 6 Plant, No. 1, Runsheng Read, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 中国 - 苏州 - 中国(江苏)自由贸易试验区苏州片区苏州工业园区消胜路1号的6号厂房南部 邮编: 215000

15000 t (86–512) 62992980 15000 t (86–512) 62992980



Report No.: SEWM2309000387RG01

Rev.: 01 Page: 2 of 39

1 Version

Revision Record				
Version Chapter Date Modifier Remark				
01		2023/11/20		Original

Prepared By	(Levi Li) / Test Engineer
Checked By	Stone Ju
	(Stone Gu) / Reviewer



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

South of No. 6 Plant, No. 1, Runshang Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Plot Free Trade Zone 215000 中国 - 苏州 - 中国(江苏)自由贸易试验区苏州广区苏州工业园区湖胜路1号的6号厂房南部 邮编: 215000

t (86–512) 62992980 t (86–512) 62992980



Report No.: SEWM2309000387RG01

Rev.: 01 Page: 3 of 39

Contents

1	Vers	sion	2
2	Test	Summary	5
	2.1	GSM 850/UMTS Band 5/LTE Band 5	5
	2.2	GSM 1900/UMTS Band 2 /LTE Band 2	6
	2.3	UMTS Band 4 /LTE Band 4 /66	7
	2.4	LTE Band 7/41	8
	2.5	LTE Band 12/17	9
	2.6	LTE Band 13	10
	2.7	LTE Band 71	11
3	Gen	eral Information	12
	3.1	Details of Client	12
	3.2	Test Location	12
	3.3	Test Facility	12
	3.4	General Description of EUT	13
	3.5	Test Mode	14
	3.6	Test Environment	14
	3.7	Description of Support Units	14
	3.8	Technical Specification	15
	3.9	Test Frequencies	18
4	Desc	cription of Tests	24
	4.1	Conducted Output Power	24
	4.2	Effective (Isotropic) Radiated Power of Transmitter	25
	4.3	Occupied Bandwidth	26
	4.4	Band Edge at Antenna Terminals	27
	4.5	Spurious And Harmonic Emissions at Antenna Terminal	28
	4.6	Peak-Average Ratio	29
	4.7	Field Strength of Spurious Radiation	30
	4.8	Frequency Stability / Temperature Variation	
	4.9	Test Setups	
		4.9.1 Test Setup 1	



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

South of No. 6 Plant, No. 1, Runsheng Road, Suchou Industrial Park, Suchou Area, Chine (Jiangsu) Pikot Free Trade Zone 215000 中国 - 苏州 - 中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000



Rev.:	01
Page:	4 of 39

	4.9.2 Test Setup 2	32
	4.9.3 Test Setup 3	
	4.10 Test Conditions	
5	Main Test Instruments	36
6	Measurement Uncertainty	38
7	Appendixes	39



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service prints overleaf, available on request or accessible at http://www.sgs.com/en/Terms.and-Conditions.apx and, for electronic forms documents subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-en-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document 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 transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduce except in full, without prior written approval of the Company, Any unauthorized alteration, forgery or falsification of the content of 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) are retained for 30 days only.

South of No. 6 Plant, No. 1, Runshang Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Plot Free Trade Zone 215000 中国 - 苏州 - 中国(江苏)自由贸易试验区苏州广区苏州工业园区湖胜路1号的6号厂房南部 邮编: 215000

t (86–512) 62992980 t (86–512) 62992980



Report No.: SEWM2309000387RG01

Rev.: 01 Page: 5 of 39

2 Test Summary

2.1 GSM 850/UMTS Band 5/LTE Band 5

Test Item	FCC Rule No.	Requirements	Test Result	Verdict
Effective (Isotropic) Radiated Power Output Data	§2.1046, §22.913(a)(5)	ERP ≤ 7 W	Section 1 of Appendix B.1&B.2&B.5	Pass
Peak-Average Ratio	§22.913(d)	Limit≤13 dB	Section 2 of Appendix B.1&B.2&B.5	Pass
Bandwidth	§2.1049	OBW: No limit. EBW: No limit.	Section 3 of Appendix B.1&B.2&B.5	Pass
Band Edges Compliance	§2.1051, §22.917(a)	≤ -13 dBm/1%*EBW, in 1 MHz bands immediately outside and adjacent to the frequency block.	Section 4 of Appendix B.1&B.2&B.5	Pass
Spurious Emission at Antenna Terminals	§2.1051, §22.917(a)	FCC: ≤ -13 dBm/100 kHz, from 9 kHz to 10th harmonics but outside authorized operating frequency ranges.	Section 5 of Appendix B.1&B.2&B.5	Pass
Field Strength of Spurious Radiation	§2.1053, §22.917(a)	FCC: ≤ -13 dBm/100 kHz.	Section 6 of Appendix B.1&B.2&B.5	Pass
Frequency Stability	§2.1055(a)(1)(b) §2.1055(d)(2) §22.355	±2.5ppm.	Section 7 of Appendix B.1&B.2&B.5	Pass



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

South of No. 6 Plant, No. 1, Runsheng Road, Suchou Industrial Park, Suchou Area, Chine (Jiangsu) Pilot Fee Trade Zone 215000 中国 - 苏州 - 中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000



Report No.: SEWM2309000387RG01

Rev.: 01 Page: 6 of 39

2.2 GSM 1900/UMTS Band 2 /LTE Band 2

Test Item	FCC Rule No.	Requirements	Test Result	Verdict
Effective (Isotropic) Radiated Power Output Data	§2.1046, §24.232(c)	EIRP ≤ 2 W	Section 1 of Appendix B.1&B.2&B.3	Pass
Peak-Average Ratio	§24.232(d)	Limit≤13 dB	Section 2 of Appendix B.1&B.2&B.3	Pass
Bandwidth	§2.1049	OBW: No limit. EBW: No limit.	Section 3 of Appendix B.1&B.2&B.3	Pass
Band Edges Compliance	§2.1051, §24.238(a)	≤ -13 dBm/1%*EBW, in 1 MHz bands immediately outside and adjacent to the frequency block.	Section 4 of Appendix B.1&B.2&B.3	Pass
Spurious Emission at Antenna Terminals	§2.1051, §24.238(a)	≤ -13 dBm/1 MHz, from 9 kHz to 10 th harmonics but outside authorized operating frequency ranges.	Section 5 of Appendix B.1&B.2&B.3	Pass
Field Strength of Spurious Radiation	§2.1053, §24.238(a)	≤ -13 dBm/1 MHz.	Section 6 of Appendix B.1&B.2&B.3	Pass
Frequency Stability	§2.1055(a)(1)(b) §2.1055(d)(2) §24.235	Within authorized bands of operation/frequency block.	Section 7 of Appendix B.1&B.2&B.3	Pass



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service prints overleaf, available on request or accessible at http://www.sgs.com/en/Terms.and-Conditions.apx and, for electronic forms documents subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-en-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document 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 transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduce except in full, without prior written approval of the Company, Any unauthorized alteration, forgery or falsification of the content of 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) are retained for 30 days only.

South of No. 6 Plant, No. 1, Runsheng Road, Suchou Industrial Park, Suchou Area, China (Jangsu) Pilot Free Trade Zone 215000 中国 - 苏州 - 中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000



Report No.: SEWM2309000387RG01

Rev.: 01 Page: 7 of 39

2.3 UMTS Band 4 /LTE Band 4 /66

Test Item	FCC Rule No.	Requirements	Test Result	Verdict
Effective (Isotropic) Radiated Power Output Data	§2.1046, §27.50(d)(4)	EIRP ≤ 1 W	Section 1 of Appendix B.2&B.4&B.11	Pass
Peak-Average Ratio	§27.50(d)(5)	Limit≤13 dB	Section 2 of Appendix B.2&B.4&B.11	Pass
Bandwidth	§2.1049	OBW: No limit. EBW: No limit.	Section 3 of Appendix B.2&B.4&B.11	Pass
Band Edges Compliance	§2.1051, §27.53(h)	≤ -13 dBm/1%*EBW, in 1 MHz bands immediately outside and adjacent to the frequency block.	Section 4 of Appendix B.2&B.4&B.11	Pass
Spurious Emission at Antenna Terminals	§2.1051, §27.53(h)	≤ -13 dBm/1 MHz, from 9 kHz to 10 th harmonics but outside authorized operating frequency ranges.	Section 5 of Appendix B.2&B.4&B.11	Pass
Field Strength of Spurious Radiation	§2.1053, §27.53(h)	≤ -13 dBm/1 MHz.	Section 6 of Appendix B.2&B.4&B.11	Pass
Frequency Stability	§2.1055(a)(1)(b) §2.1055(d)(2) §27.54	Within authorized bands of operation/frequency block.	Section 7 of Appendix B.2&B.4&B.11	Pass



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printer overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions.aspx.and, for electronic format documents subject to Terms and Conditions for Electronic 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 transaction from exercising all their rights and obligations under the transaction document comment cannot be reproduce 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.

South of No. 6 Plant, No. 1, Runsheng Road, Suchou Industrial Park, Suchou Area, China (Jangsu) Pilot Free Trade Zone 215000 中国 - 苏州 - 中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000 t (86–512) 62992980 t (86–512) 62992980



Report No.: SEWM2309000387RG01

Rev.: 01 Page: 8 of 39

2.4 LTE Band 7/41

Test Item	FCC Rule No.	Requirements	Test Result	Verdict
Effective (Isotropic) Radiated Power Output Data	§2.1046, §27.50(h)(2)	EIRP ≤ 2W	Section 1 of Appendix B.6&B.10	Pass
Peak-Average Ratio		≤13 dB	Section 2 of Appendix B.6&B.10	Pass
Bandwidth	§2.1049	OBW: No limit. EBW: No limit.	Section 3 of Appendix B.6&B.10	Pass
Band Edges Compliance	§2.1051, §27.53(m4)	For mobile digital stations, the attenuation factor shall be not less than 40 + 10 log (P) dB on all frequencies between the channel edge and 5 megahertz from the channel edge, 43 + 10 log (P) dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and 55 + 10 log (P) dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less that 43 + 10 log (P) dB on all frequencies between 2490.5 MHz and 2496 MHz and 55 + 10 log (P) dB at or below 2490.5 MHz.	Section 4 of Appendix B.6&B.10	Pass
Spurious Emission at Antenna Terminals	§2.1051, §27.53(m)	Channel Edge -25dBm/ 1 MHz 1 MHz 1 MHz 9 kHz 95 MHz XMHz 10th harmonics X=Max {6MHz, EBW}	Section 5 of Appendix B.6&B.10	Pass
Field Strength of Spurious Radiation	§2.1053, §27.53(m)	Channel Edge -25dBm/ 1 MHz 1 MHz 1 MHz 9 kHz 9 5 MHz X=Max {6MHz, EBW}	Section 6 of Appendix B.6&B.10	Pass
Frequency Stability	§2.1055(a)(1)(b) §2.1055(d)(2) §27.54	Within authorized bands of operation/frequency block.	Section 7 of Appendix B.6&B.10	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 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) 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

South of No. 6 Plant, No. 1, Runsheng Road, Suchou Industrial Park, Suchou Area, Chine (Jiangsu) Pikot Free Trade Zone 215000 中国 - 苏州 - 中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000

t (86-512) 62992980 t (86-512) 62992980



Report No.: SEWM2309000387RG01

Rev.: 01 Page: 9 of 39

2.5 LTE Band 12/17

Test Item	FCC Rule No.	Requirements	Test Result	Verdict
Effective (Isotropic) Radiated Power Output Data	§2.1046 §27.50(c)(10)	ERP≤3W.	Section 1 of Appendix B.7&B.9	Pass
Peak-Average Ratio		Limit≤13 dB	Section 2 of Appendix B.7&B.9	Pass
Bandwidth	§2.1049	OBW: No limit. EBW: No limit.	Section 3 of Appendix B.7&B.9	Pass
Band Edges Compliance	§2.1051, §27.53(g)	≤ -13 dBm/1%*EBW, in 1 MHz bands immediately outside and adjacent to the frequency block.	Section 4 of Appendix B.7&B.9	Pass
Spurious Emission at Antenna Terminals	§2.1051, §27.53(g)	FCC: ≤ -13 dBm/100 kHz, from 9 kHz to 10 th harmonics but outside authorized operating frequency ranges.	Section 5 of Appendix B.7&B.9	Pass
Field Strength of Spurious Radiation	§2.1053, §27.53(g)	FCC: ≤ -13 dBm/100 kHz.	Section 6 of Appendix B.7&B.9	Pass
Frequency Stability	§2.1055(a)(1)(b) §2.1055(d)(2) §27.54	Within authorized bands of operation/frequency block.	Section 7 of Appendix B.7&B.9	Pass



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printer overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions.aspx.and, for electronic format documents subject to Terms and Conditions for Electronic 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 transaction from exercising all their rights and obligations under the transaction document comment cannot be reproduce 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.

South of No. 6 Plant, No. 1, Runshang Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Plot Free Trade Zone 215000 中国 - 苏州 - 中国(江苏)自由贸易试验区苏州广区苏州工业园区湖胜路1号的6号厂房南部 邮编: 215000

t (86–512) 62992980 ww t (86–512) 62992980 sgs



Report No.: SEWM2309000387RG01

Rev.: 01

Page: 10 of 39

2.6 LTE Band 13

Test Item	FCC Rule No.	Requirements	Test Result	Verdict
Effective (Isotropic) Radiated Power Output Data	§2.1046, §27.50(b)(10)	ERP≤3W.	Section 1 of Appendix B.8	Pass
Peak-Average Ratio		Limit≤13 dB	Section 2 of Appendix B.8	Pass
Bandwidth	§2.1049,	OBW: No limit. EBW: No limit.	Section 3 of Appendix B.8	Pass
Band Edges Compliance	§2.1051, §27.53(c)	≤ -13 dBm/1%*EBW, in 1 MHz bands immediately outside and adjacent to the frequency block.	Section 4 of Appendix B.8	Pass
Spurious Emission at Antenna Terminals	§2.1051, §27.53(c) §27.53(f)	≤ -13 dBm/100 kHz, from 9 kHz to 10 th harmonics but outside authorized operating frequency ranges. On all frequencies between 763–775 MHz and 793–805 MHz, by a factor not less than 65 + 10 log (P) dB in a 6.25 kHz band segment, for mobile and portable stations. For operations in the 746-758 MHz, 775-788 MHz, and 805-806 MHz bands, emissions in the band 1559-1610 MHz shall be limited to −70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and −80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth.	Section 5 of Appendix B.8	Pass
Field Strength of Spurious Radiation	§2.1053, §27.53(c) §27.53(f)	FCC: ≤ -13 dBm/100 kHz. For operations in the 746-758 MHz, 775-788 MHz, and 805-806 MHz bands, emissions in the band 1559-1610 MHz shall be limited to −70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and −80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth.	Section 6 of Appendix B.8	Pass
Frequency Stability	§2.1055(a)(1)(b) §2.1055(d)(2) §27.54	Within authorized bands of operation/frequency block.	Section 7 of Appendix B.8	Pass



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

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industria Park, Suzhou Area, China (Jiangsu) Pikit Fiee Trade Zone 215000 中国 - 苏州 - 中国(江苏)自由贸易试验区苏州广区苏州工业园区润胜商1号的6号厂房南部 邮编: 215000



Report No.: SEWM2309000387RG01

Rev.: 01

Page: 11 of 39

2.7 LTE Band 71

Test Item	FCC Rule No.	Requirements	Test Result	Verdict
Effective (Isotropic) Radiated Power Output Data	§2.1046 §27.50(c)(10)	ERP≤3W	Section 1 of Appendix B.12	Pass
Peak-Average Ratio		Limit≤13 dB	Section 2 of Appendix B.12	Pass
Bandwidth	§2.1049	OBW: No limit. EBW: No limit.	Section 3 of Appendix B.12	Pass
Band Edges Compliance	§2.1051, §27.53(g)	≤ -13 dBm/1%*EBW, in 1 MHz bands immediately outside and adjacent to the frequency block.	Section 4 of Appendix B.12	Pass
Spurious Emission at Antenna Terminals	§2.1051, §27.53(g)	≤ -13 dBm/1 MHz, from 9 kHz to 10 th harmonics but outside authorized operating frequency ranges.	Section 5 of Appendix B.12	Pass
Field Strength of Spurious Radiation	§2.1053, §27.53(g)	≤ -13 dBm/1 MHz.	Section 6 of Appendix B.12	Pass
Frequency Stability	§2.1055(a)(1)(b) §2.1055(d)(2) §27.54	within the authorized bands of operation.	Section 7 of Appendix B.12	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, indemification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of 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) 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: CAD Doccheck@sss.com

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 中国・苏州・中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000

t (86-512) 62992980 t (86-512) 62992980



Report No.: SEWM2309000387RG01

Rev.: 01

Page: 12 of 39

3 General Information

3.1 Details of Client

Applicant:	Cloud Mobile Holdings, LLC
Address of Applicant:	1149 S Hill St, H-400 Los Angeles,CA 90015
Manufacturer:	Cloud Mobile Holdings, LLC
Address of Manufacturer:	1149 S Hill St, H-400 Los Angeles,CA 90015

3.2 Test Location

Company:	SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.
Address:	South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone
Post code:	215000
Test engineer:	Levi Li, Tizzy Song

3.3 Test Facility

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

• A2LA (Certificate No. 6336.01)

SGS-CSTC STANDARDS TECHNICAL SERVICES (SUZHOU) CO., LTD. is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 6336.01.

• Innovation, Science and Economic Development Canada

SGS-CSTC STANDARDS TECHNICAL SERVICES (SUZHOU) CO., LTD. has been recognized by ISED as an accredited testing laboratory.

CAB identifier: CN0120.

IC#: 27594.

• FCC –Designation Number: CN1312

SGS-CSTC STANDARDS TECHNICAL SERVICES (SUZHOU) CO., LTD. has been recognized as an

accredited testing laboratory.

Designation Number: CN1312.

Test Firm Registration Number: 717327



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



Report No.: SEWM2309000387RG01

Rev.: 01 Page: 13 of 39

3.4 General Description of EUT

EUT Description:	Smart Phone							
Model No.:	Stratus C8	Stratus C8						
Trade Mark:	Cloud Mobile							
Hardware Version:	AL_W20_MB_V12_	AL_W20_MB_V12_C						
Software Version:	Stratus_C8_V202_	Stratus_C8_V202_20240129						
Power Supply:	Lithium Battery (3.8	Lithium Battery (3.85V)						
IN ACT I.	RF Conducted	RF Conducted IMEI1:354904220000629 IMEI2:354904220000637						
IMEI:	RSE	IMEI1:354904220000645 IMEI2:354904220000652						
Antenna Type:	☐ External, ☐ Integrated							
	GSM850:	-2.830	dBi (Ant1)	GSM1900:		0.41dBi (Ant3)		
	WCDMA Band II:	0.39dBi (Ant1)		WCDMA Bar	nd IV:	-0.32dBi (Ant1)		
	WCDMA Band V:	-2.830	dBi (Ant1)					
	LTE Band 2:	0.39d	Bi (Ant1)	LTE Band 4:		-0.32dBi (Ant1)		
	LTE Band 5:	-2.830	dBi (Ant1)	LTE Band 7:		0.83dBi (Ant3)		
Antenna Gain:	LTE Band 12:	-0.880	dBi (Ant1)	LTE Band 13	3:	-0.67dBi (Ant1)		
	LTE Band 17:	-0.86	dBi (Ant1)	LTE Band 41	:	0.91dBi (Ant3)		
	LTE Band 66:	-0.320	dBi (Ant1)	LTE Band 71	:	-2.51dBi (Ant1)		
	Note: The antenna gain are derived from the gain information report provided by the manufacturer.							
RF Cable:	4.5dB(Below 1GHz	:)	4.8dB(1.0~2	2.4GHz)	5.2dE	3(2.4~3.4GHz)		



suitability, reliability or/and integrity of the information.

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service prints overleaf, available on request or accessible at http://www.sgs.com/en/Terms.and-Conditions.apx and, for electronic forms documents subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-en-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document 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 transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduce except in full, without prior written approval of the Company, Any unauthorized alteration, forgery or falsification of the content of 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) are retained for 30 days only.

South of No. 6 Plant, No. 1, Runsheng Read, Suzhou Industria Park, Suzhou Area, China (Jiangsu) Pilot Fee Trade Zone 215000 中国 - 苏州 - 中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000

As above information is provided and confirmed by the applicant. SGS is not liable to the accuracy,



Report No.: SEWM2309000387RG01

Rev.: 01

Page: 14 of 39

3.5 Test Mode

Test Mode Test Modes Description					
GSM/TM1	GSM system, GSM/GPRS, GMSK modulation				
GSM/TM2	GSM system, EGPRS, 8PSK modulation				
UMTS/TM1	UMTS system, WCDMA, QPSK modulation				
LTE/TM1	LTE system, QPSK modulation				
LTE/TM2	LTE system, 16QAM modulation				
LTE/TM3	LTE system, 64QAM modulation				
Remark: The test m	Remark: The test mode(s) are selected according to relevant radio technology specifications.				

3.6 Test Environment

Environment Parame	eter	101.0 kPa Selec	ted Values During Tests
Relative Humidity		44-46	% RH Ambient
Value		Temperature(°C)	Voltage(V)
NTNV		22~23	3.85
LTLV		-30	3.5
LTHV		-30	4.4
HTLV		50	3.5
HTHV		50	4.4
Remark:			
NV: Normal Voltage	LV: Low	Extreme Test Voltage	HV: High Extreme Test Voltage
NT: Normal Temperature	LT: Low	Extreme Test Temperature	HT: High Extreme Test Temperature

3.7 Description of Support Units

The EUT has been tested as an independent unit.



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

South of No. 6 Pfart, No. 1, Runsheng Read, Suchou Industrial Park, Suchou Area, China (langsu) Pilot Free Trade Zone 215000 中国 - 苏州 - 中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000



Report No.: SEWM2309000387RG01

Rev.: 01 Page: 15 of 39

3.8 Technical Specification

Characteristics	Description							
Radio System Type	☐ GSM ☐ UMTS			□ LTE				
	Band		TX	(RX	
	GSM850		824 to 849 MHz			869 to 89	94 MHz	
	GSM1900		1850 to 1910 MHz			1930 to 1990 MHz		
	UMTS Band II		1850 to 1910 MHz			1930 to 1990 MHz		
	UMTS Band IV	/	1710 to 1755 MHz			2110 to 2155 MHz		
Supported Frequency Range	UMTS Band V	,	82	4 to 849	MHz		869 to 894 MHz	
	LTE Band 2		18	50 to 19	10 MHz		1930 to 1990 MHz	
	LTE Band 4		17	1710 to 1755 MHz		2110 to 2155 MHz		
	LTE Band 5		824 to 849 MHz		869 to 894 MHz			
	LTE Band 7		2500 to 2570 MHz			2620 to 2690 MHz		
	LTE Band 12		699 to 716 MHz			729 to 746 MHz		
	LTE Band 13		77	777 to 787 MHz		746 to 756 MHz		
	LTE Band 17		70	4 to 716	MHz		734 to 746 MHz	
	LTE Band 41		24	96 to 26	90MHz		2496 to 2	2690MHz
	LTE Band 66		17	10 to 17	80 MHz		2110 to 2	200 MHz
	LTE Band 71		66	3 to 698	MHz		617 to 65	52 MHz
	GSM system:		⊠0.2 MHz					
	UMTS system:		⊠5 MHz					
	LTE Band 2		\boxtimes	1.4 MHz	⊠3 MHz	\triangleright	₫5 MHz	⊠10 MHz
	ETE Bana 2		\boxtimes	15 MHz	⊠20 MHz			
	LTE Band 4		\boxtimes	1.4 MHz	⊠3 MHz	\triangleright	₫5 MHz	⊠10 MHz
	LIE Ballu 4		\boxtimes	15 MHz	⊠20 MHz			
Supported Channel Bandwidth	LTE Band 5		\boxtimes	1.4 MHz	⊠3 MHz	\triangleright	₫5 MHz	⊠10 MHz
Supported Shariner Bandwidth	LTE Band 7		\boxtimes 5	5 MHz	⊠10 MHz	\geq	☑15 MHz	⊠20 MHz
	LTE Band 12		\boxtimes'	1.4 MHz	⊠3 MHz	\triangleright	⊴5 MHz	⊠10 MHz
	LTE Band 13		$\boxtimes 5$	5 MHz	⊠10 MHz			
	LTE Band 17		\boxtimes 5	5 MHz	⊠10 MHz			
	LTE Band 41		\boxtimes 5	5 MHz	⊠10 MHz	\geq	☑15 MHz	⊠20 MHz
	LTE Band 66		\boxtimes	1.4 MHz	⊠3 MHz	\triangleright	₫5 MHz	⊠10 MHz
			\boxtimes	15MHz	⊠20MHz			



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

South of No. 6 Plant, No. 1, Runsheng Road, Suchou Industrial Park, Suzhou Area, China (liangsu) Plot Free Trade Zone 215000 中国 - 苏州 - 中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜廊1号的6号厂房南部 邮编: 215000



Report No.: SEWM2309000387RG01

Rev.: 01 Page: 16 of 39

		Pag	e. 100	of 39				
	LTE Band 71	⊠5MHz	⊠10MHz	⊠15MHz	⊠20MHz			
	Note: WCDMA suppor			, but only the	worst case			
	was tested and the da	ta displayed ir	this report.					
Characteristics	Description							
	GSM:	GMSK	8PSK					
	GSM850	248KGXW	251KG7W					
	GSM1900	247KGXW	250KG7W					
	UMTS:	QPSK						
	Band II	4M19F9W						
	Band IV	4M16F9W						
	Band V	4M17F9W						
	E-UTRA:	QPSK	16QAM	64QAM				
		1M08G7D	1M10W7D	1M10W7D				
	LTE Band 2	2M69G7D	2M68W7D	2M69W7D				
		4M47G7D	4M46W7D	4M47W7D				
		8M93G7D	8M92W7D	8M93W7D				
Designation of Emissions		13M5G7D	13M5W7D	13M4W7D				
(Remark: the necessary		17M9G7D	17M9W7D	17M9W7D				
bandwidth of which is the worst value from the		1M08G7D	1M10W7D	1M10W7D				
measured occupied	LTE Band 4	2M68G7D	2M68W7D	2M68W7D				
bandwidths for each type of channel bandwidth		4M47G7D	4M46W7D	4M48W7D				
configuration.)		8M93G7D	8M92W7D	8M93W7D				
		13M5G7D	13M5W7D	13M4W7D				
		17M9G7D	17M9W7D	17M9W7D				
		1M08G7D	1M10W7D	1M10W7D				
		2M68G7D	2M68W7D	2M68W7D				
	LTE Band 5	4M47G7D	4M46W7D	4M47W7D				
		8M93G7D	8M92W7D	8M92W7D				
		4M47G7D	4M46W7D	4M47W7D				
		8M94G7D	8M91W7D	8M93W7D				
	LTE Band 7	13M5G7D	13M5W7D	13M4W7D				
		17M9G7D	17M9W7D	17M9W7D				
		1M08G7D	1M10W7D	1M10W7D				
	LTE Band 12	2M69G7D	2M68W7D	2M68W7D				
				000				



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) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-75) 8307 1443, or email: CM.Doccheck@sss.com

South of No. 6 Plant, No. 1, Runsheng Road, Suchou Industria Park, Suchou Area, Chine (Jiangsu) Pikot Free Trade Zone 215000 中国 - 苏州 - 中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000



Report No.: SEWM2309000387RG01

Rev.: 01 Page: 17 of 39

M447G7D 4M47W7D 4M48W7D
LTE Band 13
LTE Band 13 8M92G7D 8M91W7D 8M92W7D 4M48G7D 4M47W7D 4M49W7D 8M95G7D 8M94W7D 8M94W7D 4M47G7D 4M47W7D 4M48W7D 4M47G7D 4M47W7D 4M48W7D 8M93G7D 8M92W7D 8M93W7D 13M5G7D 13M5W7D 13M4W7D 17M9G7D 17M9W7D 17M9W7D
SM92G7D
LTE Band 17 8M95G7D 8M94W7D 8M94W7D 4M47G7D 4M47W7D 4M48W7D 8M93G7D 8M92W7D 8M93W7D 13M5G7D 13M5W7D 13M4W7D 17M9G7D 17M9W7D 17M9W7D
8M95G7D 8M94W7D 8M94W7D 4M47G7D 4M47W7D 4M48W7D 8M93G7D 8M92W7D 8M93W7D 13M5G7D 13M5W7D 13M4W7D 17M9G7D 17M9W7D 17M9W7D
LTE Band 41 8M93G7D 8M92W7D 8M93W7D 13M5G7D 13M5W7D 13M4W7D 17M9G7D 17M9W7D 17M9W7D
LTE Band 41 13M5G7D 13M5W7D 13M4W7D 17M9G7D 17M9W7D 17M9W7D
13M5G7D 13M5W7D 13M4W7D 17M9G7D 17M9W7D 17M9W7D
1M08G7D 1M10W7D 1M10W7D
2M68G7D 2M68W7D 2M68W7D
LTE Band 66 4M48G7D 4M47W7D 4M48W7D
8M93G7D 8M93W7D 8M95W7D
13M5G7D 13M5W7D 13M5W7D
17M9G7D 17M9W7D 17M9W7D
4M47G7D 4M47W7D 4M48W7D
LTE Band 71 8M97G7D 8M92W7D 8M94W7D
13M4G7D 13M5W7D 13M4W7D
17M9G7D 17M9W7D 17M9W7D



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printer overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions.aspx.and, for electronic format documents subject to Terms and Conditions for Electronic 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 transaction from exercising all their rights and obligations under the transaction document comment cannot be reproduce 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.

South of No. F Plant, No. 1, Purasheng Toad, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Plot Free Trade Zone 215000 中国 - 苏州 - 中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜商1号的6号厂房南部 邮编: 215000

t (86–512) 62992980 t (86–512) 62992980



Report No.: SEWM2309000387RG01

Rev.: 01 Page: 18 of 39

3.9 Test Frequencies

Test Mode	TX / RX	RF Channel				
rest wode		Low (L)	Middle (M)	High (H)		
	TX	Channel 128	Channel 190	Channel 251		
GSM850	17	824.2MHz	836.6 MHz	848.8 MHz		
	RX	Channel 128	Channel 190	Channel 251		
	KA	869.2 MHz	881.6 MHz	893.8 MHz		

Test Mode	TX / RX		RF Channel	
1 est Mode	IA/ NA	Low (L)	Middle (M)	High (H)
	TX	Channel 512	Channel 661	Channel 810
GSM1900	1.	1850.2MHz	1880.0 MHz	1909.8 MHz
	DV	Channel 512	Channel 661	Channel 810
	RX	1930.2 MHz	1960.0 MHz	1989.8 MHz

Test Mode	TX / RX		RF Channel	
rest wode	IX/IX	Low (L)	Middle (M)	High (H)
	TX	Channel 9262	Channel 9400	Channel 9538
WCDMA Band II	IA	1852.4 MHz	1880.0 MHz	1907.6 MHz
	RX	Channel 9662	Channel 9800	Channel 9938
	KA	1932.4 MHz	1960.0 MHz	1987.6 MHz

Test Mode	TX / RX		RF Channel	
1 est Mode		Low (L)	Middle (M)	High (H)
		Channel 1312	Channel 1413	Channel 1513
MCDMA Bond IV	TX	1712.4MHz	1732.6 MHz	1752.6 MHz
WCDMA Band IV	DV	Channel 1537	Channel 1638	Channel 1738
	RX	2112.4 MHz	2132.6 MHz	2152.6 MHz

Test Mode	TX / RX	TY / PY RF Channel				
rest wode	IA/IX	Low (L)	Middle (M)	High (H)		
	TX	Channel 4132	Channel 4182	Channel 4233		
WCDMA Band V		826.4MHz	836.4 MHz	846.6 MHz		
WCDMA Band V —	DV	Channel 4357	Channel 4407	Channel 4458		
	RX	871.4 MHz	881.4 MHz	891.6 MHz		



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, frogery 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) 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 sensite CRD Descheek/Genes come.

South of No. 6 Plant, No. 1, Runsheng Read, Suchou Industrial Park, Suchou Area, China (Jiangsu) Plot Free Trade Zone 中国 - 苏州 - 中国 (江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000



Report No.: SEWM2309000387RG01

Rev.: 01 Page: 19 of 39

			i agc.	13 01 33	
Test Mode	Bandwidth	TX / RX		RF Channel	
rest iviode	Dandwidth	IA/KA	Low (L)	Middle (M)	High (H)
			Channel 18607	Channel 18900	Channel 19193
		TX	1850.7 MHz	1880 MHz	1909.3 MHz
	1.4MHz	RX	Channel 607	Channel 900	Channel 1193
		KA	1930.7 MHz	1960 MHz	1989.3 MHz
			Channel 18615	Channel 18900	Channel 19185
		TX	1851.5 MHz	1880 MHz	1908.5 MHz
	3MHz	RX	Channel 615	Channel 900	Channel 1185
		NΛ	1931.5 MHz	1960 MHz	1988.5 MHz
			Channel 18625	Channel 18900	Channel 19175
		TX	1852.5 MHz	1880 MHz	1907.5 MHz
	5MHz	RX	Channel 625	Channel 900	Channel1175
LTE Band 2			1932.5 MHz	1960 MHz	1987.5 MHz
LIE Ballu Z		TX	Channel 18650	Channel 18900	Channel 19150
			1855 MHz	1880 MHz	1905 MHz
	10MHz	RX	Channel 650	Channel 900	Channel 1150
		NΛ	1935 MHz	1960 MHz	1985 MHz
			Channel 18675	Channel 18900	Channel 19125
		TX	1857.5 MHz	1880 MHz	1902.5 MHz
	15MHz	RX	Channel 675	Channel 900	Channel 1125
		NΛ	1937.5 MHz	1960 MHz	1982.5 MHz
			Channel 18700	Channel 18900	Channel 19100
		TX	1860 MHz	1880 MHz	1900 MHz
	20MHz	RX	Channel 700	Channel 900	Channel 1100
		IXA	1940 MHz	1960 MHz	1980 MHz



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printe overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-en-Document.aspx Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document i 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 transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduce except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content of 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 econtact us at telephone: (86-755) 8307 1443

South of No. F Plant, No. 1, Purasheng Toad, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Plot Free Trade Zone 215000 中国 - 苏州 - 中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜商1号的6号厂房南部 邮编: 215000

t (86–512) 62992980 t (86–512) 62992980



Report No.: SEWM2309000387RG01

Rev.: 01 Page: 20 of 39

E		_	i agc.	20 01 00		
Test Mode	Bandwidth	TX / RX	RF Channel			
rest ivioue	Dariuwiuiii	IA/NA	Low (L)	Middle (M)	High (H)	
			Channel 19957	Channel 20175	Channel 20393	
		TX	1710.7 MHz	1732.5 MHz	1754.3 MHz	
	1.4MHz	RX	Channel 1975	Channel 2175	Channel 2375	
		NA	2112.5 MHz	2132.5MHz	2152.5 MHz	
			Channel 19965	Channel 20175	Channel 20385	
		TX	1711.5 MHz	1732.5 MHz	1753.5 MHz	
	3MHz	RX	Channel 2000	Channel 2175	Channel 2350	
		NA	2115 MHz	2132.5MHz	2150 MHz	
			Channel 19975	Channel 20175	Channel 20375	
	5MHz	TX	1712.5 MHz	1732.5 MHz	1752.5 MHz	
		RX	Channel 1975	Channel 2175	Channel 2375	
LTC Dond 4			2112.5 MHz	2132.5MHz	2152.5 MHz	
LTE Band 4			Channel 20000	Channel 20175	Channel 20350	
		TX	1715 MHz	1732.5 MHz	1750 MHz	
	10MHz	RX	Channel 2000	Channel 2175	Channel 2350	
			2115 MHz	2132.5MHz	2150 MHz	
			Channel 20025	Channel 20175	Channel 20325	
		TX	1717.5 MHz	1732.5 MHz	1747.5 MHz	
	15MHz	RX	Channel 2025	Channel 2175	Channel 2325	
		100	2117.5 MHz	2132.5MHz	2147.5 MHz	
			Channel 20050	Channel 20175	Channel 20300	
		TX	1720 MHz	1732.5 MHz	1745 MHz	
	20MHz	RX	Channel 2050	Channel 2175	Channel 2300	
		KΛ	2120 MHz	2132.5MHz	2145 MHz	

Took Mode	Donalis i dilib	TV / DV		RF Channel	
Test Mode	Bandwidth	TX / RX	Low (L)	Middle (M)	High (H)
			Channel 20407	Channel 20525	Channel 20643
		TX	824.7 MHz	836.5 MHz	848.3 MHz
	1.4MHz	RX	Channel 2407	Channel 2525	Channel 2643
		KA	869.7 MHz	881.5 MHz	893.3 MHz
	3MHz		Channel 20415	Channel 20525	Channel 20635
		TX	825.5 MHz	836.5 MHz	847.5 MHz
		RX	Channel 2415	Channel 2525	Channel 2635
LTE Day LE			870.5 MHz	881.5 MHz	892.5 MHz
LTE Band 5			Channel 20425	Channel 20525	Channel 20625
	CMI I	TX	826.5 MHz	836.5 MHz	846.5 MHz
	5MHz	RX	Channel 2425	Channel 2525	Channel 2625
		KA	871.5 MHz	881.5 MHz	891.5 MHz
	10MHz		Channel 20450	Channel 20525	Channel 20600
		TX	829 MHz	836.5 MHz	844 MHz
		RX	Channel 2450	Channel 2525	Channel 2600
		ľΛ	874 MHz	881.5 MHz	889 MHz



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

South of No. 6 Plant, No. 1, Runsheng Road, Suchou Industrial Park, Suchou Area, China (Jangsu) Pilot Free Trade Zone 215000 中国 - 苏州 - 中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000 t (86–512) 62992980 t (86–512) 62992980



Report No.: SEWM2309000387RG01

Rev.: 01 Page: 21 of 39

			raye.	210139	
Test Mode	Bandwidth	TX / RX		RF Channel	
i est iviode	Dariuwiuiii	IA/NA	Low (L)	Middle (M)	High (H)
			Channel 20775	Channel 21100	Channel 21425
		TX	2502.5 MHz	2535 MHz	2567.5 MHz
	5MHz	RX	Channel 2775	Channel 3100	Channel 5825
		KA	2622.5 MHz	2655 MHz	2687.5 MHz
			Channel 20800	Channel 21100	Channel 21400
		TX	2505 MHz	2535 MHz	2565 MHz
	10MHz	RX	Channel 2800	Channel 3100	Channel 3400
LTE D			2625 MHz	2655 MHz	2685 MHz
LTE Band 7		TX	Channel 20825	Channel 21100	Channel 21375
	45141		2507.5 MHz	2535 MHz	2562.5 MHz
	15MHz	RX	Channel 2825	Channel 3100	Channel 3375
		INA	2627.5 MHz	2655 MHz	2682.5 MHz
			Channel 20850	Channel 21100	Channel 21350
	20MHz	TX	2510 MHz	2535 MHz	2560 MHz
		RX	Channel 2850	Channel 3100	Channel 3350
		IVA	2630 MHz	2655 MHz	2680 MHz

Took Mode	Donalis i dila	TV / DV	RF Channel		
Test Mode	Bandwidth	TX / RX	Low (L)	Middle (M)	High (H)
			Channel 23017	Channel 23095	Channel 23173
		TX	699.7 MHz	707.5 MHz	715.3 MHz
	1.4MHz	RX	Channel 5017	Channel 5095	Channel 5173
		KA	729.7 MHz	737.5 MHz	745.3 MHz
			Channel 23025	Channel 23095	Channel 23165
	3MHz	TX	700.5 MHz	707.5 MHz	714.5 MHz
		RX	Channel 5025	Channel 5095	Channel 5165
1.TE D 140			730.5 MHz	737.5 MHz	744.5 MHz
LTE Band 12		TX	Channel 23035	Channel 23095	Channel 23155
	CMI		701.5 MHz	707.5 MHz	713.5 MHz
	5MHz	RX	Channel 5035	Channel 5095	Channel 5155
		KA	731.5 MHz	737.5 MHz	743.5 MHz
			Channel 23060	Channel 23095	Channel 23130
	10MHz	TX	704 MHz	707.5 MHz	711 MHz
		RX	Channel 5060	Channel 5095	Channel 5130
		INΛ	734 MHz	737.5 MHz	741 MHz



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) 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@ss.com

South of No. 6 Plant, No. 1, Runsheng Road, Suchou Industrial Park, Suchou Area, China (Jangsu) Pilot Free Trade Zone 215000 中国 - 苏州 - 中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000 t (86–512) 62992980 www.sgsgroup.com.cn t (86–512) 62992980 sgs.china@sgs.com

Member of the SGS Group (SGS SA)



Report No.: SEWM2309000387RG01

Rev.: 01 Page: 22 of 39

Test Mode	Bandwidth	Bandwidth TX / RX	RF Channel		
rest Mode	Dariuwiutri	IA/KA	Low (L)	Middle (M)	High (H)
			Channel 23025	Channel 23230	Channel 23255
		TX	779.5 MHz	782 MHz	784.5 MHz
	5MHz	RX	Channel 5205	Channel 5230	Channel 5255
LTE Band 13			748.5 MHz	751 MHz	753.5 MHz
LIE Band 13		TX	Channel 23230	Channel 23230	Channel 23230
	10MHz RX		782 MHz	782 MHz	782 MHz
		DV	Channel 5230	Channel 5230	Channel 5230
		Γ.Λ	751 MHz	751 MHz	751 MHz

Test Mode	Bandwidth	TX / RX		RF Channel	
rest ivioue	Dariuwiulii	IA/KA	Low (L)	Middle (M)	High (H)
			Channel 23755	Channel 23790	Channel 23825
		TX	706.5 MHz	710 MHz	713.5 MHz
5M	5MHz	RX	Channel 5755	Channel 5790	Channel 5825
LTE Band 17		KΛ	736.5 MHz	740 MHz	743.5 MHz
LIE Dallu II			Channel 23780	Channel 23790	Channel 23800
		TX	709 MHz	710 MHz	711 MHz
	10MHz	RX	Channel 5780	Channel 5790	Channel 5800
		KΛ	739 MHz	740 MHz	741 MHz

Test Mode	Bandwidth	TV / DV	TX / RX RF Channel		
rest Mode	Dariuwiulii	IA/KA	Low (L)	Middle (M)	High (H)
			Channel 39675	Channel40620	Channel 41565
	5MHz	TX / RX	2498.5 MHz	2593 MHz	2687.5 MHz
			Channel 39700	Channel40620	Channel 41540
LTE Band 41	10MHz	TX / RX	2501 MHz	2593 MHz	2685 MHz
(2496-2690)			Channel 39725	Channel40620	Channel 41515
,	15MHz	TX / RX	2503.5 MHz	2593 MHz	2682.5 MHz
			Channel 39750	Channel40620	Channel 41490
	20MHz	TX / RX	2506 MHz	2593 MHz	2680 MHz



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) 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@ss.com

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 中国・苏州・中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000

t (86-512) 62992980

t (86-512) 62992980 www.sgsgroup.com.cn sgs.china@sgs.com



Report No.: SEWM2309000387RG01

Rev.: 01 Page: 23 of 39

P	,	-	i agc.	20 01 00		
Test Mode	Bandwidth	TX / RX	RF Channel			
rest Mode	Dariuwiuiii	I X / IXX	Low (L)	Middle (M)	High (H)	
			Channel 131979	Channel 132322	Channel 132665	
		TX	1710.7 MHz	1745 MHz	1779.3 MHz	
	1.4MHz	RX	Channel 66443	Channel 66786	Channel 67329	
		KA	2110.7 MHz	2145MHz	2199.3 MHz	
			Channel 131987	Channel 132322	Channel 132657	
		TX	1711.5 MHz	1745 MHz	1778.5MHz	
	3MHz	RX	Channel 66451	Channel 66786	Channel 67321	
		KA.	2111.5 MHz	2145MHz	2198.5MHz	
			Channel 131997	Channel 132322	Channel 132647	
	5141	TX	1712.5 MHz	1745 MHz	1777.5 MHz	
	5MHz	RX	Channel 66461	Channel 66786	Channel 67311	
LTE Davidoo			2112.5 MHz	2145MHz	2197.5 MHz	
LTE Band66			Channel 132022	Channel 132322	Channel 132622	
		TX	1715 MHz	1745 MHz	1775 MHz	
	10MHz	RX	Channel 66486	Channel 66786	Channel 67286	
			2115 MHz	2145MHz	2195 MHz	
			Channel 132047	Channel 132322	Channel 132597	
		TX	1717.5 MHz	1745 MHz	1772.5 MHz	
	15MHz	RX	Channel 66511	Channel 66786	Channel 67261	
_		100	2117.5 MHz	2145MHz	2192.5 MHz	
			Channel 132072	Channel 132322	Channel 132572	
	20MHz	TX	1720 MHz	1745 MHz	1770 MHz	
		DV	Channel 66536	Channel 66786	Channel 67236	
		RX	2120 MHz	2145MHz	2190 MHz	

Took Mode	Donalis i alth	TV / DV	RF Channel		
Test Mode	Bandwidth	TX / RX	Low (L)	Middle (M)	High (H)
			Channel 133147	Channel 133297	Channel 133447
		TX	665.5 MHz	680.5 MHz	695.5 MHz
	5MHz	RX	Channel 68611	Channel 68761	Channel 68911
		KA	619.5 MHz	634.5 MHz	649.5 MHz
			Channel 133172	Channel 133297	Channel 133422
		TX	668 MHz	680.5 MHz	693 MHz
	10MHz	RX	Channel 68636	Channel 68761	Channel 68886
LTE D			622 MHz	634.5 MHz	647 MHz
LTE Band71			Channel 133197	Channel 133297	Channel 133397
	4 CM I	TX	670.5 MHz	680.5 MHz	690.5 MHz
	15MHz	RX	Channel 68661	Channel 68761	Channel 68861
		KA	624.5 MHz	634.5 MHz	644.5 MHz
	20MHz		Channel 133222	Channel 133297	Channel 133372
		TX	673 MHz	680.5 MHz	688 MHz
		RX	Channel 68686	Channel 68761	Channel 68836
		NA.	627 MHz	634.5 MHz	642 MHz



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

South of No. 6 Plant, No. 1, Runshang Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Plot Free Trade Zone 215000 中国 - 苏州 - 中国(江苏)自由贸易试验区苏州广区苏州工业园区湖胜路1号的6号厂房南部 邮编: 215000

t (86-512) 62992980 t (86-512) 62992980



Report No.: SEWM2309000387RG01

Rev.: 01 Page: 24 of 39

4 Description of Tests

4.1 Conducted Output Power

Measurement Procedure: FCC KDB 971168 D01 V03r01 Section 5.2.1

The transmitter output was connected to a calibrated coaxial cable, attenuator and power meter, the other end of which was connected to a Base Station Simulator. The Base Station Simulator was set to force the EUT to its maximum power setting. The power output at the transmitter antenna port was determined by adding the value of the cable insertion loss to the power reading. The tests were performed at three frequencies (low channel, middle channel and high channel) and on the highest power levels, which can be setup on the transmitters.

Remark: Reference test setup 1



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service prints overleaf, available on request or accessible at http://www.sgs.com/en/Terms.and-Conditions.apx and, for electronic format document 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 advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduce except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content cappearance 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) are retained for 30 days only.

South of No. 6 Plant, No. 1, Runsheng Read, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 中国 - 苏州 - 中国(江苏)自由贸易试验区苏州片区苏州工业园区消胜路1号的6号厂房南部 邮编: 215000 t (86-512) 62992980 t (86-512) 62992980



Report No.: SEWM2309000387RG01

Rev.: 01 Page: 25 of 39

4.2 Effective (Isotropic) Radiated Power of Transmitter

Measurement Procedure: FCC KDB 971168 D01 V03r01 Section 5.8.4

Calculate power in dBm by the following formula:

ERP (dBm) = Conducted Power (dBm) + antenna gain (dBd) EIRP(dBm) = Conducted Power (dBm) + antenna gain (dBi)

EIRP=ERP+2.15dB



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

South of No. 6 Plant, No. 1, Runsheng Road, Suchou Industria Park, Suchou Area, China (Jangsu) Pilot Free Trade Zone 215000 中国 - 苏州 - 中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000 t (86-512) 62992980 t (86-512) 62992980



Report No.: SEWM2309000387RG01

Rev.: 01 Page: 26 of 39

4.3 Occupied Bandwidth

Measurement Procedure: FCC KDB 971168 D01 V03r01 Section 4.2 & 4.3

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power radiated by a given emission shall be measured. The transmitter output was connected to a calibrated coaxial cable, attenuator and Spectrum analyser, the other end of which was connected to a Base Station Simulator. The Base Station Simulator was set to force the EUT to its maximum power setting. The tests were performed at three frequencies (low channel, middle channel and high channel). The span of the analyzer shall be set to capture all products of the modulation process, including the emission skirts. The resolution bandwidth shall be set to as close to 1 percent of the selected span as is possible without being below 1 percent. The video bandwidth shall be set to 3 times the resolution bandwidth. Video averaging is not permitted. Where practical, a sampling detector shall be used since a peak or, peak hold, may produce a wider bandwidth than actual. The trace data points are recovered and are directly summed in linear terms. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5 percent of the total is reached and that frequency recorded. The process is repeated for the highest frequency data points. This frequency is recorded. The span between the two recorded frequencies is the occupied bandwidth.

Remark: Reference test setup 1

Test Settings

- The signal analyzer's automatic bandwidth measurement capability was used to perform the 99% occupied bandwidth and the 26dB bandwidth. The bandwidth measurement was not influenced by any intermediate power nulls in the fundamental emission.
- 2. RBW = 1 5% of the expected OBW
- 3. VBW ≥ 3 x RBW
- 4. Detector = Peak
- 5. Trace mode = max hold
- 6. Sweep = auto couple
- 7. The trace was allowed to stabilize
- 8. If necessary, steps 2 7 were repeated after changing the RBW such that it would be within
 - 1 5% of the 99% occupied bandwidth observed in Step 7



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

South of No. 6 Plant, No. 1, Runshang Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 中国 - 苏州 - 中国(江苏)自由贸易试验区苏州上版区 大州上版区 河路 路行民的6号厂房南部 邮编: 215000

t (86–512) 62992980 t (86–512) 62992980 t (86–512) 62992980



Report No.: SEWM2309000387RG01

Rev.: 01 Page: 27 of 39

4.4 Band Edge at Antenna Terminals

Measurement Procedure: FCC KDB 971168 D01 V03r01 Section 6.0

The transmitter output was connected to a calibrated coaxial cable, attenuator and Spectrum analyser, the other end of which was connected to a Base Station Simulator. The Base Station Simulator was set to force the EUT to its maximum power setting. The tests were performed at two frequencies (low channel and high channel).in the 1MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of 100kHz or 1% of the emission bandwidth of the fundamental emission of the transmitter may be employed. The EUT emission bandwidth is measured as the width of the signal between two points, outside of which all emission are attenuated at least 26dB below the transmitter power. The video bandwidth of the spectrum analyzer was set at thrice the resolution bandwidth. Detector Mode was set to rms.

Remark: Reference test setup 1

Test Settings

- Start and stop frequency were set such that the band edge would be placed in the center of the plot
- 2. Span was set large enough so as to capture all out of band emissions near the band edge
- 3. RBW > 1% of the emission bandwidth
- VBW > 3 x RBW
- Detector = RMS
- Number of sweep points ≥ 2 x Span/RBW
- Trace mode = trace average for continuous emissions, max hold for pulse emissions
- 8. Sweep time = auto couple
- 9. The trace was allowed to stabilize



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

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 中国 • 苏州 • 中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000

t (86-512) 62992980 t (86-512) 62992980



Report No.: SEWM2309000387RG01

Rev.: 01 Page: 28 of 39

4.5 Spurious And Harmonic Emissions at Antenna Terminal

Measurement Procedure: FCC KDB 971168 D01 V03r01 Section 6.0

The transmitter output was connected to a calibrated coaxial cable, attenuator and Spectrum analyzer, the other end of which was connected to a Base Station Simulator. The Base Station Simulator was set to force the EUT to its maximum power setting. The tests were performed at three frequencies (low channel and high channel). The level of the carrier and the various conducted spurious and harmonic frequencies is measured by means of a calibrated spectrum analyzer. The spectrum is scanned from the lowest frequency generated in the equipment up to a frequency including its 10th harmonic. On any frequency outside a licensee's frequency block, the power of any emission shall be attenuated below the transmitter power (P) by at least 43 + 10 log(P) dB. Compliance with these provisions is based on the use of measurement instrumentation employing a resolution bandwidth of 1 MHz or greater. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emission are attenuated at least 26 dB below the transmitter power.

Remark: Reference test setup 1

Test Settings

- 1. Start frequency was set to 9kHz and stop frequency was set to at least 10* the fundamental frequency(Separated into at least two plots per channel)
- 2. Detector = RMS
- 3. Trace mode = trace average for continuous emissinos, max hold for pulse emissions
- 4. Sweep time = auto couple
- 5. The trace was allowed to stabilize
- 6. Please see test notes below for RBW and VBW settings



e agreed in writing, this document is issued by the Company subject to its General Conditions of Servi le on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx.and, for electronic Focuments at <a href="http://www.sgs.com/en/Terms-and-Conditions.aspx.and-Conditions.aspx.and-Conditions.and-Cond



Report No.: SEWM2309000387RG01

Rev.: 01 Page: 29 of 39

4.6 Peak-Average Ratio

Measurement Procedure: FCC KDB 971168 D01 V03r01 Section 5.7.2

A peak to average ratio measurement is performed at the conducted port of the EUT. For WCDMA signals, the spectrum analyzers Complementary Cumulative Distribution Function (CCDF) measurement profile is used to determine the largest deviation between the average and the peak power of the EUT in a given bandwidth. The CCDF curve shows how much time the peak waveform spends at or above a given average power level. The percent of time the signal spends at or above the level defines the probability for that particular power level. For GSM signals, an average and a peak trace are used on a spectrum analyzer to determine the largest deviation between the average and the peak power of the EUT in a bandwidth greater than the emission bandwidth. The traces are generated with the spectrum analyzer set to zero span mode.

Remark: Reference test setup 1

Test Settings

- 1. The signal analyzer's CCDF measurement profile is enabled
- Frequency = carrier center frequency
- Measurement BW > Emission bandwidth of signal
- 4. The signal analyzer was set to collect one million samples to generate the CCDF curve
- 5. The measurement interval was set depending on the type of signal analyzed. For continuous signals (>98% duty cycle), the measurement interval was set to 1ms. For burst transmissions, the spectrum analyzer is set to use an internal "RF Burst" trigger that is synced with an incoming pulse and the measurement interval is set to less than the duration of the "on time" of one burst to ensure that energy is only captured during a time in which the transmitter is operating at maximum power



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



Report No.: SEWM2309000387RG01

Rev.: 01 Page: 30 of 39

4.7 Field Strength of Spurious Radiation

Measurement Procedure: FCC KDB 971168 D01 V03r01 Section 5.8

Below 1GHz test procedure as below:

- 1). The EUT was powered ON and placed on a 80cm high table in the chamber. The antenna of the transmitter was extended to its maximum length.
- 2). The disturbance of the transmitter was maximized on the test receiver display by raising and lowering from 1m to 4m (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) the receive antenna and by rotating through 360° the turntable. After the fundamental emission was maximized, a field strength measurement was made.
- 3). Steps 1) and 2) were performed with the EUT and the receive antenna in both vertical and horizontal polarization.
- 4). Test the EUT in the lowest channel, the middle channel ,the Highest channel.
- 5). The radiation measurements are performed in X, Y, Z axis positioning. And found the X axis positioning which it is worse case, Only the test worst case mode is recorded in the report.
- 6). Repeat above procedures until all frequencies measured was complete.

E (dB μ V/m) = Measured amplitude level (dB μ V) + (Cable Loss (dB) + Antenna Factor (dB/m) – AMP(dB)) EIRP (dBm) = E (dB μ V/m) + 20 log D – 104.8; where D is the measurement distance in meters

Above 1GHz test procedure as below:

- Different between above is the test site, change from Semi- Anechoic Chamber to fully Anechoic Chamber
- 2) Calculate power in dBm by the following formula:

 $E (dB\mu V/m) = Measured \ amplitude \ level \ (dB\mu V) + (Cable \ Loss \ (dB) + Antenna \ Factor \ (dB/m) - AMP(dB)) \\ EIRP \ (dBm) = E \ (dB\mu V/m) + 20 \ log \ D - 104.8; \ where \ D \ is the measurement \ distance \ in meters$

- 3). Test the EUT in the lowest channel, the middle channel the Highest channel
- 4). The radiation measurements are performed in X, Y, Z axis positioning. And found the X axis positioning which it is worse case, Only the test worst case mode is recorded in the report.
- 5). Repeat above procedures until all frequencies measured was complete

Remark1: Reference test setup 2

Remark2: The emission below 18G were measured at a 3m test distance, while emissions above 18GHz were measured at a 1m test distance. At a measurement distance of 1 meter the limit line was increased by 20*LOG(3/1) = 9.54 dB.

Remark: Reference test setup 2

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit - Level

2) Scan from 9kHz to 40GHz, The disturbance between 9KHz to 30MHz and 18GHz to 40GHz was very low, and the harmonics were the highest point could be found when testing, so only the harmonics had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.

3) All modes have been tested, but only the worst case data displayed in this 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 [Felectronic Documents at http://www.sgs.com/en/Termd-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 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.

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Plot Free Trade Zone 215000 中国・末州・中国(丁茶)自由限易ば論反茶州片反茶州丁學園反選群客1号約6号厂房産額 邮编: 215000

Zone 215000 t (86-512) 62992980 組織: 215000 t (86-512) 62992980

www.sgsgroup.com.cn sgs.china@sgs.com

Member of the SGS Group (SGS SA)



Report No.: SEWM2309000387RG01

Rev.: 01 31 of 39 Page:

4.8 Frequency Stability / Temperature Variation

Measurement Procedure:

Frequency stability testing is performed in accordance with the guidelines of FCC KDB 971168 D01 V03r01; Section 9

- . The frequency stability of the transmitter is measured by:
- a.) Temperature: The temperature is varied from -30°C to +50°C in 10°C increments using an environmental chamber.
- b.) Primary Supply Voltage: The primary supply voltage is varied from 85% to 115% of the nominal value for non hand-carried battery and AC powered equipment. For hand-carried, battery-powered equipment, primary supply voltage is reduced to the battery operating end point which shall be specified by the manufacturer.

Specification - The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block. The frequency stability of the transmitter shall be maintained within $\pm 0.00025\%$ (± 2.5 ppm) of the center frequency.

Time Period and Procedure:

- 1. The carrier frequency of the transmitter is measured at room temperature (20°C to provide a reference).
- 2. The equipment is turned on in a "standby" condition for fifteen minutes before applying power to the transmitter. Measurement of the carrier frequency of the transmitter is made within one minute after applying power to the transmitter.
- 3. Frequency measurements are made at 10°C intervals ranging from -30°C to +50°C. A period of at least one half-hour is provided to allow stabilization of the equipment at each temperature level.

Remark: Reference test setup 3



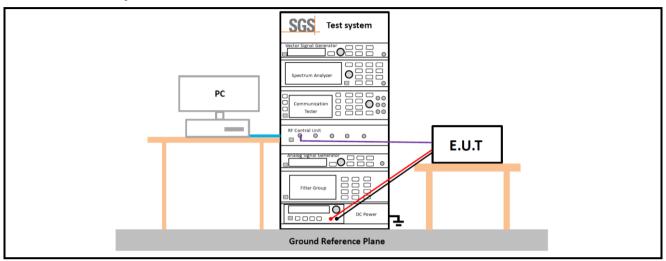


Report No.: SEWM2309000387RG01

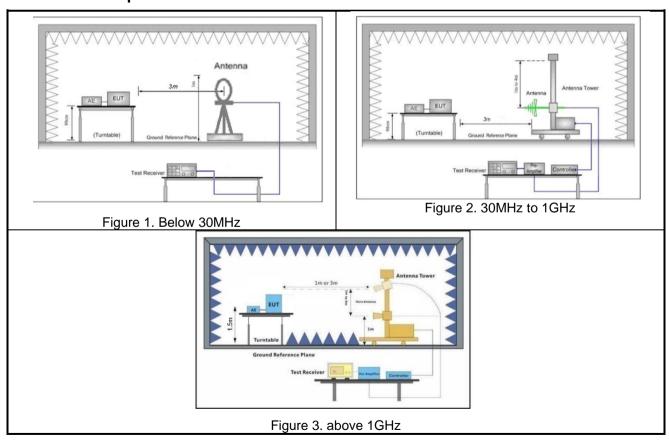
Rev.: 01 Page: 32 of 39

4.9 Test Setups

4.9.1 Test Setup 1



4.9.2 Test Setup 2





Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="http://www.sgs.com/en/Terms-and-Conditions.appx and, for electronic Documents at http://www.sgs.com/en/Terms-and-Conditions.appx and, for electronic Document as thttp://www.sgs.com/en/Terms-and-Conditions/Terms-ap-Document.appx. 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 does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction forcement 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.

South of No. 6 Pfart, No. 1, Runsheng Read, Suchou Industrial Park, Suchou Area, China (langsu) Pilot Free Trade Zone 215000 中国 - 苏州 - 中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000

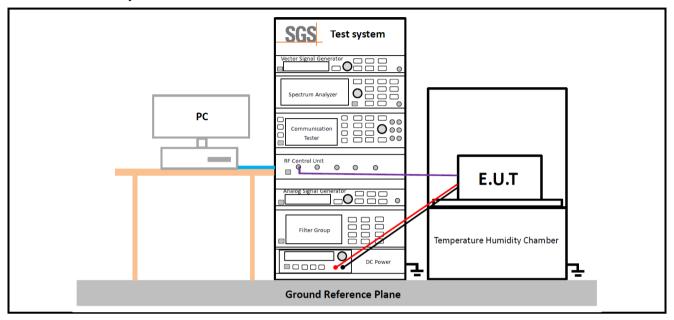


Report No.: SEWM2309000387RG01

Rev.: 01

Page: 33 of 39

4.9.3 Test Setup 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 Documents at <a href="http://www.sgs.com/en/Terms-and-Conditions-And-Terms-and-Conditions/Terms-and-Conditions-and-Conditions-And-Terms-and-Conditions-and-Con

South of No. 6 Plant, No. 1, Runsheng Read, Suchou Industrial Park, Suchou Area, China (Jiangsu) Pilot Fee Trade Zone 215000 中国 - 苏州 - 中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000



Report No.: SEWM2309000387RG01

Rev.: 01

Page: 34 of 39

4.10Test Conditions

Transmit Output Power Data - Average Power, Total			
Test Case	Test Conditions		
Test Environment	Ambient Climate & Rated Voltage		
Test Setup	Test Setup 1		
RF Channels (TX)	L, M, H (L= low channel, M= middle channel, H= high channel)		
Test Mode	GSM/TM1;GSM/TM2;UMTS/TM1;LTE/TM1;LTE/TM2;LTE/TM3		
Peak-to-Average Ratio			
Test Case	Test Conditions		
Test Environment	Ambient Climate & Rated Voltage		
Test Setup	Test Setup 1		
RF Channels (TX)	L, M, H (L= low channel, M= middle channel, H= high channel)		
Test Mode	GSM/TM1;GSM/TM2;UMTS/TM1;LTE/TM1;LTE/TM2;LTE/TM3		
Bandwidth - Occupied Bandwidth			
Test Case	Test Conditions		
Test Environment	Ambient Climate & Rated Voltage		
Test Setup	Test Setup 1		
RF Channels (TX)	L, M, H (L= low channel, M= middle channel, H= high channel)		
Test Mode	GSM/TM1;GSM/TM2;UMTS/TM1;LTE/TM1;LTE/TM2;LTE/TM3		
	Bandwidth - Emission Bandwidth		
Test Case	Test Conditions		
Test Environment	Ambient Climate & Rated Voltage		
Test Setup	Test Setup 1		
RF Channels (TX)	L, M, H (L= low channel, M= middle channel, H= high channel)		
Test Mode	GSM/TM1;GSM/TM2;UMTS/TM1;LTE/TM1;LTE/TM2;LTE/TM3		
Band Edges Compliance			
Test Case	Test Conditions		
Test Environment	Ambient Climate & Rated Voltage		
Test Setup	Test Setup 1		
RF Channels (TX)	L, H (L= low channel, H= high channel)		
Test Mode	GSM/TM1;GSM/TM2;UMTS/TM1;LTE/TM1		
	Spurious Emission at Antenna Terminals		
Test Case	Test Conditions		



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

South of No. 6 Plant, No. 1, Runsheng Road, Suchou Industria Park, Suchou Area, China (Jiangsu) Pilot Free Trade Zone 215000 中国 - 苏州 - 中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6月厂房南部 邮编: 215000

t (86-512) 62992980 t (86-512) 62992980



Report No.: SEWM2309000387RG01

Rev.: 01 Page: 35 of 39

	Page. 35 0i 39			
Test Environment	Ambient Climate & Rated Voltage			
Test Setup	Test Setup 1			
RF Channels (TX)	L, M, H (L= low channel, M= middle channel, H= high channel)			
Test Mode	GSM/TM1;GSM/TM2;UMTS/TM1;LTE/TM1			
	Field Strength of Spurious Radiation			
Test Case	Test Conditions			
Test Environment	Ambient Climate & Rated Voltage			
Test Setup	Test Setup 2			
RF Channels (TX)	L, M, H (L= low channel, M= middle channel, H= high channel)			
Test Mode	GSM/TM1;UMTS/TM1;LTE/TM1 Remark: All bandwidth and modulation of GSM/UMTS/LTE have been pre tested, and only the worst results are reflected in the report.			
	Frequency Stability			
Test Case	Test Conditions			
Test Environment	(1) -30 °C to +50 °C with step 10 °C at Rated Voltage (2) VL, VN and VH of Rated Voltage at Ambient Climate.			
Test Setup	Test Setup 3			
RF Channels (TX)	M (M= middle channel)			
Test Mode	GSM/TM1;GSM/TM2;UMTS/TM1;LTE/TM1			
i est Mode	The report only show the bandwidth with the worst case.			



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service prints overleaf, available on request or accessible at http://www.sgs.com/en/Terms.and-Conditions.apx and, for electronic forms documents subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-en-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document 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 transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduce except in full, without prior written approval of the Company, Any unauthorized alteration, forgery or falsification of the content of 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) are retained for 30 days only.

South of No. 6 Pfart, No. 1, Runsheng Read, Suchou Industrial Park, Suchou Area, China (Jiangsu) Pilot Fee Trade Zone 中国 - 苏州 - 中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000



Report No.: SEWM2309000387RG01

Rev.: 01 Page: 36 of 39

5 Main Test Instruments

RF conducted test					
Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. date (yyyy/mm/dd)	Cal.Due date (yyyy/mm/dd)
Shielding Room	Brilliant-emc	N/A	SUWI-04-01-06	2021/05/08	2024/05/07
Temperature and humidity meter	MingGao	TH101B	SUWI-01-01-07	2023/02/06	2024/02/05
Signal Analyzer	ROHDE&SCHWARZ	FSV3030	SUWI-01-02-02	2023/05/11	2024/05/10
Measurement Software	Tonscend	JS1120-3 Test System V 2.6.88.0336	SUWI-02-09-09	NCR	NCR
Radio Communication Analyzer	Anritsu	MT8821C	SUWI-01-26-03	2022/11/23	2023/11/22
Wideband Radio Communication Tester	ROHDE&SCHWARZ	CMW500	SUWI-01-16-05	2023/02/06	2024/02/05
DC Power Supply	HYELEC	HY3005B	SUWI-01-18-01	2023/02/06	2024/02/05
Temperature Chamber	ESPEC	SU-242	SUWI-01-13-01	2023/02/06	2024/02/05
Wideband Radio Communication Test Ststion	Anritsu	MT8000A	SUWI-01-34-02	2023/09/12	2024/09/11
Signal Analyzer	ROHDE&SCHWARZ	FSW43	SUWI-01-02-04	2023/05/11	2024/05/10



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

South of No. 6 Plant, No. 1, Runsheng Road, Suchou Industrial Park, Suchou Area, Chine (Jiangsu) Pilot Fee Trade Zone 215000 中国 - 苏州 - 中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000

t (86-512) 62992980 t (86-512) 62992980



Report No.: SEWM2309000387RG01

Rev.: 01 Page: 37 of 39

	RSE Test System				
Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. date (yyyy/mm/dd)	Cal.Due date (yyyy/mm/dd)
Semi-Anechoic Chamber	Brilliant-emc	N/A	SUWI-04-02-02	2021/11/25	2024/11/24
Temperature and humidity meter	MingGao	TH101B	SUWI-01-01-13	2023/02/07	2024/02/06
Signal Analyzer	ROHDE&SCHWARZ	FSW43	SUWI-01-02-04	2023/05/11	2024/05/10
Signal Analyzer	KEYSIGHT	N9020A	SUWI-01-02-06	2022/11/23	2023/11/22
Test receiver	ROHDE&SCHWARZ	ESR7	SUWI-01-10-01	2023/02/08	2024/02/07
Receiving antenna	SCHWRZBECK MESS- ELEKTRONIK	VULB 9168	SUWI-01-11-04	2021/12/05	2023/12/04
Receiving antenna	SCHWRZBECK MESS- ELEKTRONIK	BBHA 9120D	SUWI-01-11-05	2021/12/05	2023/12/04
Receiving antenna	SCHWRZBECK MESS- ELEKTRONIK	BBHA 9170	SUWI-01-11-03	2023/05/12	2024/05/11
Active Loop Antenna	SCHWRZBECK MESS- ELEKTRONIK	FMZB 1519B	SUWI-01-21-01	2023/05/13	2024/05/12
Amplifier	Tonscend	TAP9K3G32	SUWI-01-14-06	2022/11/23	2023/11/22
Amplifier	Tonscend	TAP01018050	SUWI-01-14-04	2022/11/23	2023/11/22
Amplifier	Tonscend	TAP30M7G30	SUWI-01-14-05	2022/11/23	2023/11/22
Wideband Radio Communication Tester	Anritsu	MT8820C	SUWI-01-16-08	2023/02/06	2024/02/05
Radio Communication Analyzer	Anritsu	MT8821C	SUWI-01-26-03	2022/11/23	2023/11/22
Measurement Software	Tonscend	JS32-RE V4.0.0.0	SUWI-02-09-04	NCR	NCR



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

South of No. 6 Plant, No. 1, Runshang Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Plot Free Trade Zone 215000 中国 - 苏州 - 中国(江苏)自由贸易试验区苏州广区苏州工业园区湖胜路1号的6号厂房南部 邮编: 215000

t (86-512) 62992980 t (86-512) 62992980



Report No.: SEWM2309000387RG01

Rev.: 01 Page: 38 of 39

6 Measurement Uncertainty

For a 95% confidence level (k = 2), the measurement expanded uncertainties for defined systems, in

accordance with the recommendations of ISO 17025 as following:

No.	Item Measurement Uncertaint	
1	Total RF power, conducted	±0.54dB
2	RF power density, conducted	±1.03dB
3	Spurious emissions, conducted	±0.54dB
4	Radio Frequency	±1.0 %
5	Duty Cycle	±0.37%
6	Occupied Bandwidth	±1.0 %
		± 3.13dB (9k -30MHz)
7	Radiated Emission	± 4.88dB (30M -1GHz)
	Radiated Effission	± 4.75dB (1GHz to 18GHz)
		± 4.77dB (Above 18GHz)

Remark:

The U_{lab} (lab Uncertainty) is less than U_{cispr/ETSI} (CISPR/ETSI Uncertainty), so the test results

- compliance is deemed to occur if no measured disturbance level exceeds the disturbance limit;

non-compliance is deemed to occur if any measured disturbance level exceeds the disturbance limit.



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service prints overleaf, available on request or accessible at http://www.sgs.com/en/Terms.and-Conditions.apx and, for electronic forms documents subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-en-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document 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 transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduce except in full, without prior written approval of the Company, Any unauthorized alteration, forgery or falsification of the content of 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) are retained for 30 days only.

South of No. 6 Pfart, No. 1, Runsheng Read, Suchou Industrial Park, Suchou Area, China (langsu) Pilot Free Trade Zone 215000 中国 - 苏州 - 中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000



Report No.: SEWM2309000387RG01

Rev.: 01

Page: 39 of 39

7 Appendixes

Appendix A.3	WWAN Setup Photos
Appendix B.1	GSM 850&1900
Appendix B.2	WCDMA Band II&IV&V
Appendix B.3	LTE Band 2
Appendix B.4	LTE Band 4
Appendix B.5	LTE Band 5
Appendix B.6	LTE Band 7
Appendix B.7	LTE Band 12
Appendix B.8	LTE Band 13
Appendix B.9	LTE Band 17
Appendix B.10	LTE Band 41
Appendix B.11	LTE Band 66
Appendix B.12	LTE Band 71

---End of Report---



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

South of No. F Plant, No. 1, Flumbring Toad, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Plot Free Trade Zone 215000 中国 - 苏州 - 中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜商(号的6号厂房商部 邮编 215000