

Report No.: SEWM2309000365RG01

Rev.: Page: 1 of 32

TEST REPORT

Application No.: SEWM2309000365RG Gen2Wave USA LLC Applicant:

980 N. Federal Hwy, Suite 110, Boca Raton, Florida, 33432 United States **Address of Applicant:**

Gen2wave Manufacturer:

7th fl., Point town B/D, Gumi-ro 11, Bundang-gu, Seongnam-si, Gyeonggi-do, Address of Manufacturer:

#13637, Rep of Korea

EUT Description: Rugged mobile computer

Model No.: Prime RS01 FCC ID: 2BCW4-RS01

Standards: FCC 47 CFR Part 15, Subpart C 15.225

Date of Receipt: 2023/10/07

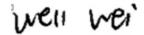
Date of Test: 2023/10/07 to 2024/01/03

Date of Issue: 2024/01/03

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



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.: SEWM2309000365RG01

Rev.: 01 Page: 2 of 32

1 Version

Revision Record							
Version	Chapter	Date	Modifier	Remark			
01		2024/01/03		Original			

Prepared By	(King-p Li) / Test Engineer
Checked By	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, Punsteing Rosal, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot 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裔(号的6号厂房南部 邮编: 215000

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



Report No.: SEWM2309000365RG01

Rev.: 01 Page: 3 of 32

2 **Test Summary**

Test Item	FCC Rules No.	Test Method	Test Result	Result
Antenna Requirement	15.203	1	Clause 4.1	PASS
AC Power Line Conducted Emission	15.207	ANSI C63.10 2013 Section 6.2	Clause 4.3	PASS
20dB Spectrum Bandwidth	15.215(c)	ANSI C63.10 2013 Section 6.9.3	Clause 4.4	PASS
Frequency Stability	15.225(e)	ANSI C63.10 2013 Section 6.8	Clause 4.5	PASS
Field Strength of Fundamental Emissions	15.225(a)(b)(c)	ANSI C63.10 2013 Section 6.4.7	Clause 4.6	PASS
Radiated Spurious Emissions	15.225(d)/15.209	ANSI C63.10 2013 Section 6.4/6.5	Clause 4.7	PASS



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.: SEWM2309000365RG01

Rev.: 01 Page: 4 of 32

Contents

1	Versi	on	2
2		Summary	
3		eral Information	
	3.1	Details of Client	5
	3.2	Test Location	5
	3.3	Test Facility	5
	3.4	General Description of EUT	6
	3.5	Test Environment	7
	3.6	Description of Support Units	7
4	Test r	results and Measurement Data	8
	4.1	Antenna Requirement	8
	4.2	Worst-case configuration and mode	8
	4.3	AC Power Line Conducted Emissions	9
	4.4	20dB Spectrum Bandwidth	13
	4.5	Frequency Stability	14
	4.6	Field Strength of Fundamental Emissions	15
	4.7	Radiated Spurious Emissions	17
5	Meas	surement Uncertainty (95% confidence levels, k=2)	19
6	Equip	oment List	20
7	Photo	ographs - Setup Photos	22



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

Attention: To check the authenticity of testing inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, Attention: To check the authenticity of testing inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, Attention: To check the authenticity of testing inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, Attention: The content of the content

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.: SEWM2309000365RG01

Rev.: 01 Page: 5 of 32

3 General Information

3.1 Details of Client

Applicant:	Gen2wave
Address of Applicant:	7th fl., Point town B/D, Gumi-ro 11, Bundang-gu, Seongnam-si, Gyeonggi-do, #13637, Rep of Korea
Manufacturer:	Gen2wave
Address of Manufacturer:	7th fl., Point town B/D, Gumi-ro 11, Bundang-gu, Seongnam-si, Gyeonggi-do, #13637, Rep of Korea

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:	King-p Li, Ives Cheng

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 printed verleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions-and-Conditions-and-Cond

South of No. 6 Plant, No. 1, Runsheng Read, Suzhou Industrial Park, Suzhou 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.: SEWM2309000365RG01

Rev.: 01 Page: 6 of 32

3.4 General Description of EUT

EUT Description:	Rugged mobile co	Rugged mobile computer				
Model No.:	Prime RS01	Prime RS01				
Hardware Version:	1.02					
Software Version:	MT918_EQ000_2774.3A84745.A0F816C.84C1BFC_231106_100_V01_T01					
	RF Conducted	SN: AWM70886				
IMEI/SN:	RSE	IMEI1: 860284060012401 IMEI2: 860284060012464				
Operation Frequency:	13.56MHz					
Modulation Type:	ASK					
NFC Type:	Type A					
D						

Remark:

As above information is provided and confirmed by the applicant. SGS is not liable to the accuracy, 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 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 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 t (86-512) 62992980 t (86-512) 62992980



Report No.: SEWM2309000365RG01

Rev.: 01 Page: 7 of 32

3.5 Test Environment

Environment Parameter	101.0kPa Selected Values During Tests					
Relative Humidity	44-46 % RH Ambient					
Value	Temperature(°C)	Voltage(V)				
NTNV 22~23 3.8						
Remark: The extreme Voltage and extreme Temperature are refer to the test data of Frequency Stability.						

3.6 Description of Support Units

The EUT has been tested as an independent unit.



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service 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, Suzhou Industria Park, Suzhou 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 w t (86–512) 62992980 sg



Report No.: SEWM2309000365RG01

Rev.: 01 8 of 32 Page:

4 **Test results and Measurement Data**

4.1 Antenna Requirement

Standard requirement: 47 CFR Part 15C Section 15.203

15.203 requirement:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

The antenna of the EUT are permanently attached.

4.2 Worst-case configuration and mode

The fundamental of the EUT was investigated under three orthogonal orlentations X, Y, and Z. The Z orientation was determined to be the worst-case orientation.

Although these tests were performed ther than open area test site, adequate comparison measurements were confirmed against 30m open are test site. Therefore sufficient tests were made to demonstrate that the alternative site produces results that correlate with the ones of tests made in an ope field based on KDB 414788.



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



Report No.: SEWM2309000365RG01

Rev.: 01 Page: 9 of 32

4.3 AC Power Line Conducted Emissions

Test Requirement:	47 CFR Part 15C Section 15.207						
Test Method:	ANSI C63.10: 2013 Sec	tion 6.2					
Test Frequency Range:	150kHz to 30MHz						
Limit:	Fraguency range/MHz)	Limit (d	BuV)				
	Frequency range(MHz)	Quasi-peak	Average				
	0.15-0.5	66 to 56*	56 to 46*				
	0.5-5	56	46				
	5-30	60	50				
	* Decreases with the log	arithm of the frequency.					
Test Procedure:	The mains terminal di room.	sturbance voltage test was co	onducted in a shielded				
	 The mains terminal disturbance voltage test was conducted in a shielded room. The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a 50Ω/50μH + 5Ω linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded. The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane. The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to 						



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

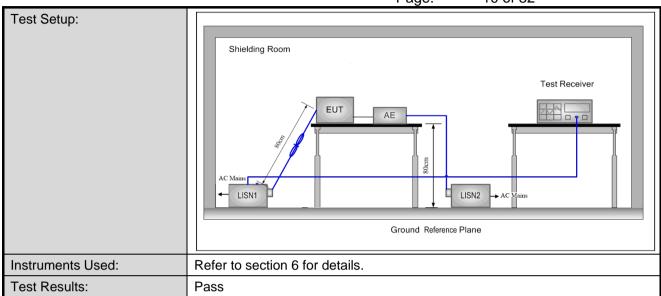
Attention: To check the authenticity of testing inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, Attention: To check the authenticity of testing inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, Attention: To check the authenticity of testing inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, Attention: The content of the content

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.: SEWM2309000365RG01

Rev.: 01 Page: 10 of 32





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-Conditions-and

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

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



Report No.: SEWM2309000365RG01

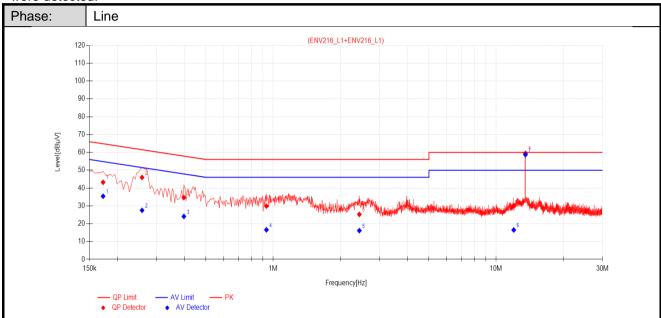
Rev.: 01 Page: 11 of 32

Measurement Data

An initial pre-scan was performed on the live and neutral lines with peak detector.

Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission

were detected.



Final Data List											
NO.	Frequency [MHz]	Factor [dB]	QP Reading [dBµV]	QP Value [dBµV]	QP Limit [dBµV]	QP Margin [dB]	AV Reading [dBµV]	AV Value [dBµV]	AV Limit [dBµV]	AV Margin [dB]	Verdict
1	0.1725	11.75	31.48	43.23	64.84	21.61	23.65	35.40	54.84	19.44	PASS
2	0.2580	11.63	34.33	45.96	61.50	15.54	15.88	27.51	51.50	23.99	PASS
3	0.3975	11.62	23.05	34.67	57.91	23.24	12.45	24.07	47.91	23.84	PASS
4	0.9330	11.71	18.18	29.89	56.00	26.11	4.87	16.58	46.00	29.42	PASS
5	2.4360	11.73	13.49	25.22	56.00	30.78	4.41	16.14	46.00	29.86	PASS
6	12.012	11.88	18.21	30.09	60.00	29.91	4.62	16.50	50.00	33.50	PASS
7*	13.5555	11.91	47.58	59.49	60.00	-	-	58.73	-	-	-

Remark:

- 1. The following Quasi-Peak and Average measurements were performed on the EUT:
- 2. Value =Reading[dBµV] + Factor(Lisn factor[dB] + cable loss[dB]).
- 3. Margin = Limit[$dB\mu V$] Value[$dB\mu V$]

Note: *7 is NFC signal which can be ignored.



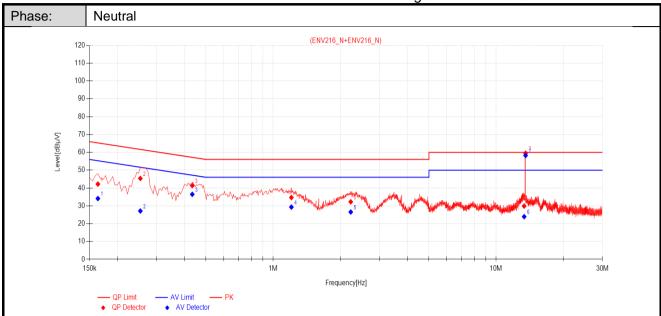
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.ags.com/en/Terms-and-Conditions.ags and, for electronic Documents at <a href="https://www.ags.com/en/Terms-and-Conditions/Terms-and-Condi

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



Report No.: SEWM2309000365RG01

Rev.: 01 Page: 12 of 32



Final	Final Data List										
NO.	Frequency [MHz]	Factor [dB]	QP Reading [dBµV]	QP Value [dBµV]	QP Limit [dBµV]	QP Margin [dB]	AV Reading [dBμV]	AV Value [dBµV]	AV Limit [dBµV]	AV Margin [dB]	Verdict
1	0.1635	11.80	30.38	42.18	65.28	23.10	22.29	34.09	55.28	21.19	PASS
2	0.2535	11.64	33.73	45.37	61.64	16.27	15.47	27.11	51.64	24.53	PASS
3	0.4335	11.62	29.73	41.35	57.19	15.84	24.84	36.46	47.19	10.73	PASS
4	1.2075	11.73	22.95	34.68	56.00	21.32	17.58	29.31	46.00	16.69	PASS
5	2.2290	11.73	20.52	32.25	56.00	23.75	14.81	26.54	46.00	19.46	PASS
6	13.3755	11.90	17.98	29.88	60.00	30.12	12.03	23.93	50.00	26.07	PASS
7	13.5735	11.91	47.57	59.48	-	-	46.32	58.23	-	-	-

Remark:

- 1. The following Quasi-Peak and Average measurements were performed on the EUT:
- 2. Value =Reading[dBµV] + Factor(Lisn factor[dB] + cable loss[dB]).
- 3. Margin = Limit[$dB\mu V$] Value[$dB\mu V$]

Note: *7 is NFC signal which can be ignored.



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

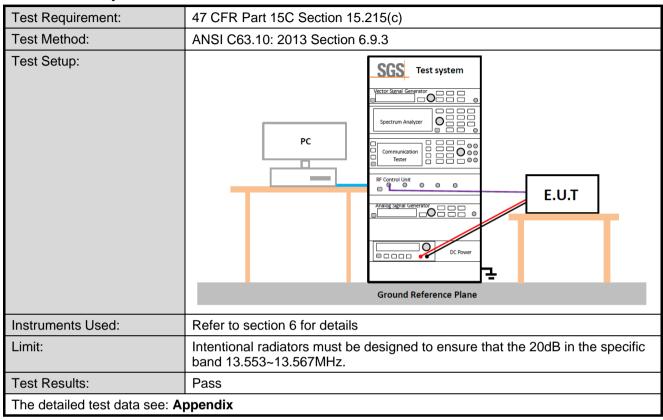
South of No. 6 Plant, No. 1, Runsheng Road, Suchou Industria Park, Suchou Area, China (Jangsu) Pilot Free Trade Zone 215000 中国 - 苏州 - 中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000



Report No.: SEWM2309000365RG01

Rev.: 01 Page: 13 of 32

4.4 20dB Spectrum Bandwidth





Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-en-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of 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, forger or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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

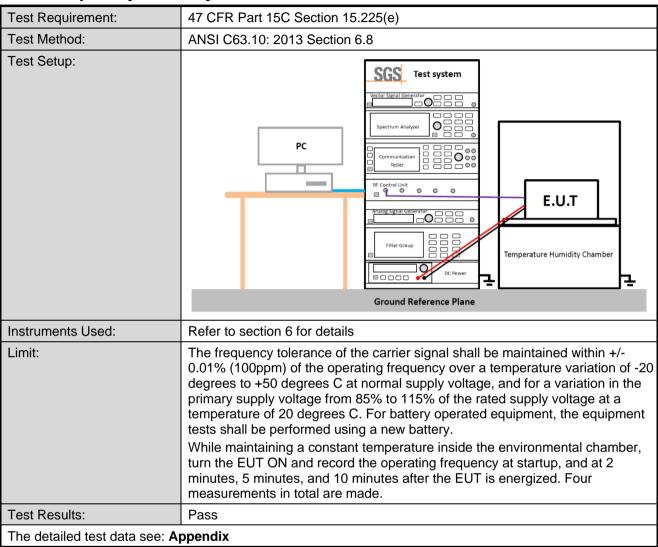
South of No. 6 Pfart, No. 1, Runsheng Read, Suchou Industrial Park, Suchou Area, China (langsu) Pilot Free Trade Zone 215000 中国 - 苏州 - 中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000



Report No.: SEWM2309000365RG01

Rev.: 01 Page: 14 of 32

4.5 Frequency Stability





Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-en-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of 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, forger or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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

South of No. 6 Pfart, 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 w t (86–512) 62992980 sg



Report No.: SEWM2309000365RG01

Rev.: 01 Page: 15 of 32

4.6 Field Strength of Fundamental Emissions

Test Requirement:	47 CFR Part 15C Section	47 CFR Part 15C Section 15.225								
Test Method:	ANSI C63.10 :2013 Sec	ANSI C63.10 :2013 Section 6.4.7								
Test Site:	Measurement Distance:	3m (Semi-Anecho	oic Chamber)							
Limit:	Frequency	Field Strength (μ V/m) at 30m	Field Strength (dB μ V/m) at 30m	Field Strength (dB μ V/m) at 10m	Field Strength (dB μ V/m) at 3m					
	1.705~13.110 MHz	30	29.5	48.58	69.5					
	13.110-13.410 MHz	106	40.5	59.58	80.5					
	13.410-13.553 MHz	334	50.5	69.58	90.5					
	13.553-13.567 MHz	15,848	84.0	103.08	124.0					
	13.567-13.710 MHz 334 50.5 69.58									
	13.710-14.010 MHz	106	40.5	59.58	80.5					
	14.010~30.000 MHz	30	29.5	48.58	69.5					

Test Setup:

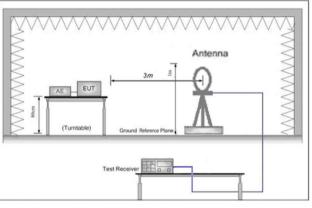


Figure 1. Below 30MHz

Test Procedure:

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters(for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified



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-Conditions-a

South of No. 6 Plant, No. 1, Runsheng 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上区苏州工业园区河路胜路1号的6号厂房南部 邮编: 215000 t (86-512) 62992980 t (86-512) 62992980



Report No.: SEWM2309000365RG01

Rev.: 01 Page: 16 of 32

	1 age. 10 01 32				
	Bandwidth with Maximum Hold Mode. f. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, And found the Z axis positioning which it is worse case. g. Repeat above procedures until all frequencies measured was complete. h. RBW set to 9kHz.				
Exploratory Test Mode:	Transmitting with modulation. Charge + Transmitting mode.				
Final Test Mode:	Transmitting with modulation. Pretest the EUT at Charge + Transmitting mode.Only the worst case is recorded in the report.				
Instruments Used:	Refer to section 6 for details				
Test Results:	Pass				
The detailed test data	The detailed test data see: Appendix				



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/Ferms-and-Conditions.aspx.and, for electronic Documents at <a href="http://www.sgs.com/en/Ferms-and-Conditions-And-Ferms-and-Conditions/Ferms-and-Conditions-And-Ferms-and-Conditions-And-Ferms-and-Conditions-And-Ferms-and-Conditions-and-Ferms-and-Con

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号厂房南部 邮编: 215000

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



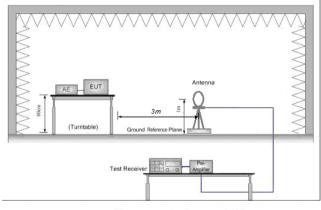
Report No.: SEWM2309000365RG01

Rev.: 01 Page: 17 of 32

4.7 Radiated Spurious Emissions

Test Requirement:	47 CFR Part 15C Section	n 15.209 and 15.2	25					
Test Method:	ANSI C63.10 :2013 Section 6.4&6.5							
Test Site:	Measurement Distance:	3m (Semi-Anecho	ic Chamber))				
Limit:	Frequency	Field strength Limit (microvolt/meter) (dBuV/m)		Remark	Measurement distance (m)			
	0.009MHz-0.490MHz	2400/F(kHz)	-	-	300			
	0.490MHz-1.705MHz 24000/F(kHz) -							
	1.705MHz-30MHz	30	-	1	30			
	30MHz-88MHz	100	40.0	Quasi-peak	3			
	88MHz-216MHz	150	43.5	Quasi-peak	3			
	216MHz-960MHz	200	46.0	Quasi-peak	3			
	Above 960MHz	500	54.0	Quasi-peak	3			
	Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90kHz, 110-490kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.							

Test Setup:



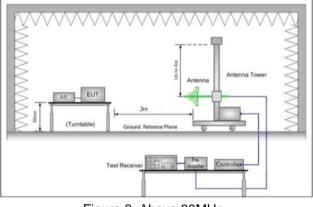


Figure 1. Below 30MHz

Figure 2. Above 30MHz

Test Procedure:

- i. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation.
- j. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- k. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- I. For each suspected emission, the EUT was arranged to its worst case and then



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

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



Report No.: SEWM2309000365RG01

Rev.: 01 Page: 18 of 32

	<u> </u>				
	the antenna was tuned to heights from 1 meter to 4 meters(for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading. m. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.				
	n. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, And found the Z axis positioning which it is worse case.				
	o. Repeat above procedures until all frequencies measured was complete.				
Exploratory Test	Transmitting with modulation.				
Mode:	Charge + Transmitting mode.				
Final Test Mode:	Transmitting with modulation.				
	Pretest the EUT at Charge + Transmitting mode.Only the worst case is recorded in the report.				
Instruments Used:	Refer to section 6 for details				
Test Results:	Pass				
The detailed test data	see: Appendix				



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 Documents subject to Terms and Conditions for Electronic Documents at <a href="https://www.sgs.com/en/Terms-and-Conditions/Terms-and-Condi

South of No. 6 Plant, No. 1, Runsteing Rosal, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pikof 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海胜裔1号的6号厂房南部 邮编: 215000

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



Report No.: SEWM2309000365RG01

Rev.: 01 Page: 19 of 32

5 Measurement Uncertainty (95% confidence levels, k=2)

		· · · · · · · · · · · · · · · · · · ·
No.	Item	Measurement Uncertainty
1	Radio Frequency	±1.0 %
2	Occupied Bandwidth	±1.0 %
3	Conduction Emission	± 2.90dB (150kHz to 30MHz)
	Radiated Emission	± 3.13dB (9k -30MHz)
4	Radiated Effission	± 4.80dB (30M -1GHz)

Remark:

The Ulab (lab Uncertainty) is less than Ucispr/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.: SEWM2309000365RG01

Rev.: 01 Page: 20 of 32

6 Equipment List

o Equipment Liet									
RF Test Equipment									
Test Equipment	Manufacturer	Model No.	Model No. Inventory No.		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 3.3.20	SUWI-02-09-09	NCR	NCR				
Signal Analyzer	ROHDE& SCHWARZ	FSW43	SUWI-01-02-04	2023/05/11	2024/05/10				
Temperature Chamber	ESPEC	SU-242	SUWI-01-13-01	2023/02/06	2024/02/05				
DC Power Supply	HYELEC	HY3005B	SUWI-01-18-01	2023/02/06	2024/02/05				

CE Test Equipment									
Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. date (yyyy/mm/dd)	Cal.Due date (yyyy/mm/dd)				
Test receiver	ROHDE &SCHWARZ	ESR7	SUWI-01-10-01	2023/02/08	2024/02/07				
Temperature and humidity meter	MingGao	TH101B	SUWI-01-01-06	2023/02/07	2024/02/06				
Artificial network	ROHDE &SCHWARZ	ENV216	SUWI-01-19-03	2023/02/08	2024/02/07				
Artificial network	icial network ROHDE &SCHWARZ		SUWI-01-19-04	2023/02/08	2024/02/07				
Measurement Software	Tonscend	JS32-CE 4.0.0.2	SUWI-02-09-05	NCR	NCR				



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 Documents subject to Terms and Conditions for Electronic Documents at <a href="https://www.sgs.com/en/Terms-and-Conditions/Terms-and-Condi

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号厂房南部 邮编: 215000

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



Report No.: SEWM2309000365RG01

Rev.: 01 Page: 21 of 32

RSE Test Equipment								
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-04-02-01	2021/05/08	2024/05/07			
Temperature and humidity meter	MingGao	TH101B	SUWI-01-01-05	2023/02/07	2024/02/06			
Test receiver	ROHDE &SCHWARZ	ESR7	SUWI-01-10-01	2023/02/08	2024/02/07			
Receiving antenna	SCHWRZBECK MESS- ELEKTRONIK	VULB 9163	SUWI-01-11-01	2023/05/13	2024/05/12			
Active Loop Antenna	SCHWRZBECK MESS- ELEKTRONIK	FMZB 1519B	SUWI-01-21-01	2023/05/13	2024/05/12			
Amplifier	Tonscend	TAP9K3G40	SUWI-01-14-01	2023/02/06	2024/02/05			
Measurement Software	Tonscend	JS32-RE V3.0.0.3	SUWI-02-09-04	NCR	NCR			



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

South of No. F Plant, No. 1, Purasheng Tosad, 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.: SEWM2309000365RG01

Rev.: 01

Page: 22 of 32

7 Photographs - Setup Photos

Refer to Appendix A.1 NFC Setup Photos.



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 (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

i: 215000 t (86



Report No.: SEWM2309000365RG01

Rev.:

Page: 23 of 32

Appendix



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

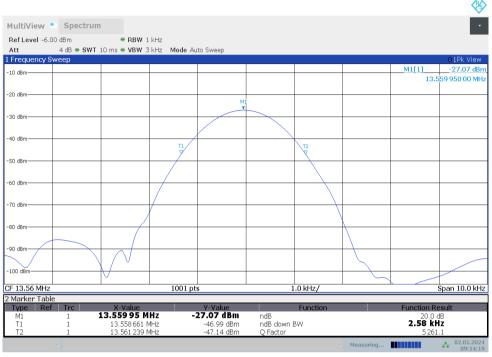
t (86-512) 62992980 t (86-512) 62992980



Report No.: SEWM2309000365RG01

Rev.: 01 Page: 24 of 32

20dB Bandwidth



09:14:20 02.01.2024

Note:

Because the measured signal is CW or CW-like adjusting the RBW per C63.10 would not be practical since measured bandwidth will always follow the RBW and the result will be approximately twice the RBW.



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 define 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 (orgeny or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are tested for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443,

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industria 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



Report No.: SEWM2309000365RG01

Rev.: 01 Page: 25 of 32

Frequency tolerance

Declared Fre	equency (MHz)		13.56MHz			
Startup						
Temperature (°C)	Voltage(VDC)	Measurement Frequency(MHz)	Frequency Tolerance (%)	Limit (%)	Result	
50		13.55994	0.0004		Pass	
40		13.55995	0.0004		Pass	
30		13.55995	0.0004		Pass	
20	3.8	13.55995	0.0004		Pass	
10	3.0	13.55995	0.0004	±0.01	Pass	
0		13.55995	0.0004	10.01	Pass	
-10		13.55995	0.0004		Pass	
-20		13.55995	0.0004		Pass	
20	4.45	13.55996	0.0003		Pass	
20	3.40	13.55995	0.0004		Pass	

Declared Fre	equency (MHz)		13.56MHz			
2mins						
Temperature (°C)	Voltage(VDC)	Measurement Frequency(MHz)	Frequency Tolerance (%)	Limit (%)	Result	
50		13.55994	0.0004		Pass	
40		13.55995	0.0004		Pass	
30	1	13.55995	0.0004		Pass	
20	3.8	13.55995	0.0004		Pass	
10	3.6	13.55995	0.0004	10.01	Pass	
0		13.55995	0.0004	±0.01	Pass	
-10		13.55995	0.0004		Pass	
-20		13.55993	0.0005		Pass	
20	4.45	13.55996	0.0003		Pass	
20	3.40	13.55995	0.0004		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/Ferms-and-Conditions.aspx and, for electronic format documents subject to Terms and Conditions [Ferms-anDocument.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 it transaction from exercising all their rights and obligations under the transaction document 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, Purchang Tead, 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河胜商(号的6号厂房商部 邮编: 215000

t (86–512) 62992980 w t (86–512) 62992980 sg



Report No.: SEWM2309000365RG01

Rev.: 01 Page: 26 of 32

			F age. 20 01 32					
Declared Fre	equency (MHz)		13.56MHz					
5mins								
Temperature (°C)	Voltage(VDC)	Measurement Frequency(MHz)	Frequency Tolerance (%)	Limit (%)	Result			
50		13.55995	0.0004		Pass			
40		13.55995	0.0004		Pass			
30	-	13.55995	0.0004		Pass			
20	3.8	13.55995	0.0004		Pass			
10	3.6	13.55995	0.0004	±0.01	Pass			
0		13.55995	0.0004	±0.01	Pass			
-10		13.55994	0.0005		Pass			
-20		13.55996	0.0003		Pass			
20	4.45	13.55995	0.0004		Pass			
20	3.40	13.55995	0.0004		Pass			

Declared Fre	equency (MHz)		13.56MHz					
10mins								
Temperature (°C)	Voltage(VDC)	Measurement Frequency(MHz)	Frequency Tolerance (%)	Limit (%)	Result			
50		13.55996	0.0003		Pass			
40		13.55995	0.0004		Pass			
30		13.55995	0.0004		Pass			
20	3.8	13.55995	0.0004		Pass			
10	3.6	13.55995	0.0004	10.01	Pass			
0		13.55995	0.0004	±0.01	Pass			
-10		13.55995	0.0004		Pass			
-20		13.55995	0.0004		Pass			
20	4.45	13.55995	0.0004		Pass			
20	3.40	13.55995	0.0004		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/Terms-en-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 juryisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawfull and offenders may be prosecuted to the fullest settent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, Attention: To check the authenticity of testing inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, Attention: To check the authenticity of testing inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, Attention: The content of the content

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

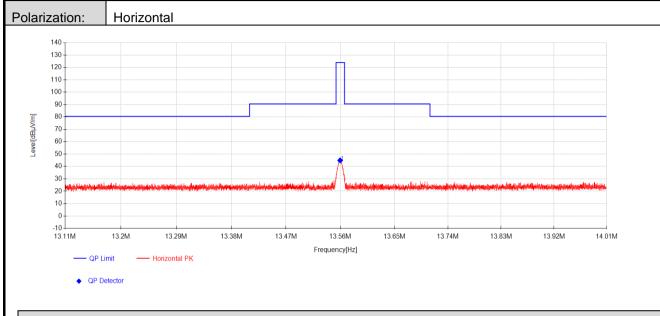


Report No.: SEWM2309000365RG01

Rev.: 01 Page: 27 of 32

Field Strength of Fundamental Emissions

NFC Emission Mask



I	Final Data List									
	NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]	Polarity	
	1	13.5598	24.40	19.80	0.69	44.89	124.00	79.11	Horizontal	

Remark:

- 1. The Quasi-Peak measurements were performed on the EUT.
- 2. Value = Reading + Antenna Factor + Factor.
- 3. Factor=Cable loss.



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 from cyric per faisfication 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) later eland such sample(s) are retained for 30 days only.

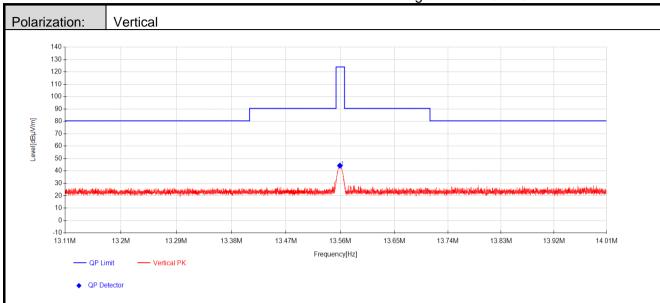
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 83071443,

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.: SEWM2309000365RG01

Rev.: 01 Page: 28 of 32



Final Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	QP Value [dBμV/m]	QP Limit [dBµV/m]	QP Margin [dB]	Polarity		
1	13.5594	23.78	19.80	0.69	44.27	124.00	79.73	Vertical		

Remark

- 1. The Quasi-Peak measurements were performed on the EUT.
- 2. Value = Reading + Antenna Factor + Factor.
- 3. Factor=Cable loss.



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/Ferms-and-Conditions.aspx and, for electronic Documents at http://www.sgs.com/en/Ferms-and-Conditions/Ferms-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 Clients' instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawfull and offenders may be prosecuted to the fullest extend of the law Liness otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing inspection report & certificate, please contact us at telephone: (86-755) 8307 1443,

South of No. 6 Pfart, 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

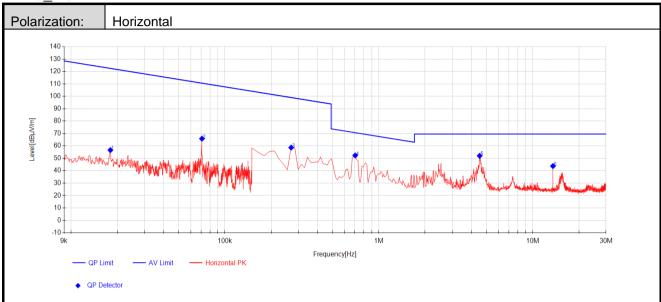


Report No.: SEWM2309000365RG01

Rev.: 01 Page: 29 of 32

Radiated Spurious Emissions

NFC RSE



Final Data List									
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]	Polarity	
4	0.7025	31.79	20.08	0.44	52.31	70.67	18.36	Horizontal	
5	4.5252	31.71	19.80	0.52	52.03	69.54	17.51	Horizontal	
6	13.5594	23.27	19.80	0.69	43.76	69.54	25.78	Horizontal	
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	AV Value [dBμV/m]	AV Limit [dBµV/m]	AV Margin [dB]	Polarity	
1	0.018	36.22	19.98	0.43	56.63	122.49	65.86	Horizontal	
3	0.2695	37.95	20.27	0.43	58.65	98.99	40.34	Horizontal	
2	0.0709	45.20	20.20	0.43	65.83	110.59	44.76	Horizontal	

Remark:

- 1. The Quasi-Peak measurements were performed on the EUT.
- 2. Value = Reading + Antenna Factor + Factor.
- 3. Factor=Cable loss.



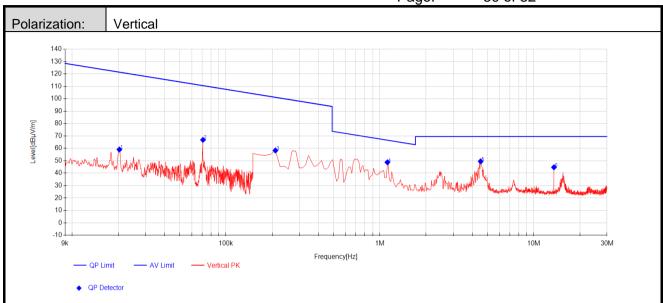
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printer overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions.aspx.and, for electronic Documents subject to Terms and Conditions for Electronic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

South of No. 6 Pfart, No. 1, Runsheng Road, Suchou Industrial Park, Suchou Area, China (Jiangsu) Pilot 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 t (86–512) 62992980 www t (86–512) 62992980 sgs.



Report No.: SEWM2309000365RG01

Rev.: 01 Page: 30 of 32



Final Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]	Polarity		
4	1.1206	28.42	19.89	0.45	48.77	66.62	17.85	Vertical		
5	4.5252	29.25	19.80	0.52	49.57	69.54	19.97	Vertical		
6	13.5594	24.27	19.80	0.69	44.76	69.54	24.78	Vertical		
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	AV Value [dBμV/m]	AV Limit [dBµV/m]	AV Margin [dB]	Polarity		
1	0.0203	38.67	20.00	0.43	59.10	121.45	62.35	Vertical		
3	0.2097	37.60	20.28	0.43	58.32	101.17	42.85	Vertical		
2	0.0709	46.24	20.20	0.43	66.87	110.59	43.72	Vertical		

Remark

- 1. The Quasi-Peak measurements were performed on the EUT.
- 2. Value = Reading + Antenna Factor + Factor.
- 3. Factor=Cable loss.



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/Ferms-and-Conditions.aspx and, for electronic format documents subject to Terms and Conditions [Ferms-anDocument.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 it transaction from exercising all their rights and obligations under the transaction document 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.

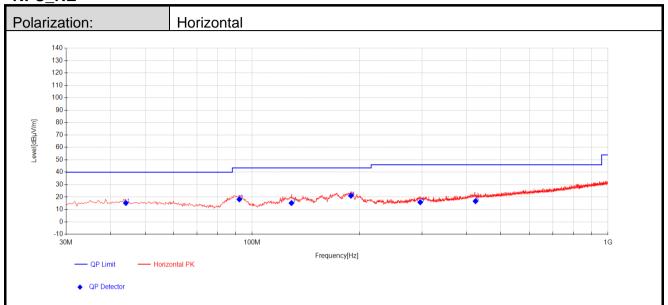
South of No. 6 Pfart, No. 1, Runsheng Road, Suchou Industria Park, Suchou Area, China (Jiangsu) Pilot Free Trade Zone 215000 中国 - 苏州 - 中国(江苏)自由贸易试验区苏州片区苏州工业园区消胜路1号的6号厂房南部 邮编: 215000



Report No.: SEWM2309000365RG01

Rev.: 01 Page: 31 of 32

NFC_RE



Final I	Final Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]	Polarity			
1	44.1750	29.69	19.50	-33.99	15.20	40.00	24.80	Horizontal			
2	92.0360	36.83	14.87	-33.55	18.15	43.50	25.35	Horizontal			
3	128.9600	30.54	17.90	-33.29	15.15	43.50	28.35	Horizontal			
4	189.5170	37.99	15.88	-32.82	21.05	43.50	22.45	Horizontal			
5	296.7349	29.60	18.40	-32.19	15.81	46.00	30.19	Horizontal			
6	424.3551	26.28	21.79	-31.42	16.65	46.00	29.35	Horizontal			

Remark:

- 1. The Quasi-Peak measurements were performed on the EUT.
- 2. Final Value Level = Reading + Antenna Factor + Factor.
- 3. Factor=Cable loss Preamplifier Factor.



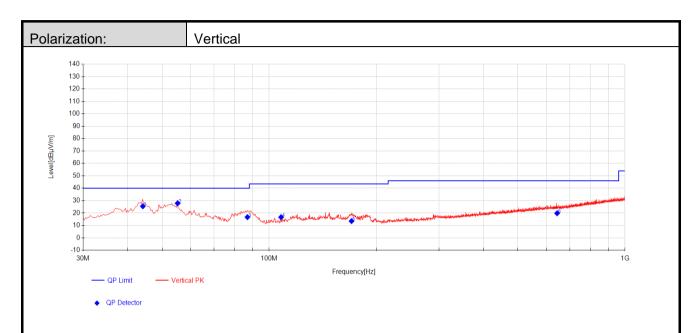
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx.and, for electronic Documents at <a href="http://www.sgs.com/en/Terms-and-Conditions-and-Conditions-and

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.: SEWM2309000365RG01

Rev.: 01 Page: 32 of 32



Final Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]	Polarity		
1	44.1638	39.94	19.50	-33.99	25.45	40.00	14.55	Vertical		
2	55.3067	42.78	18.99	-33.92	27.85	40.00	12.15	Vertical		
3	86.8918	35.44	14.85	-33.60	16.69	40.00	23.31	Vertical		
4	108.0267	33.81	16.21	-33.41	16.61	43.50	26.89	Vertical		
5	170.4241	29.11	17.34	-32.94	13.51	43.50	29.99	Vertical		
6	644.4312	24.57	25.67	-30.42	19.82	46.00	26.18	Vertical		

Remark:

- 1. The Quasi-Peak measurements were performed on the EUT.
- 2. Final Value Level = Reading + Antenna Factor + Factor.
- 3. Factor=Cable loss Preamplifier Factor.

---End of Report---



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

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

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