

SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 1 of 158

# TEST REPORT

**Application No.:** SZCR2308002542AT **Applicant:** Grab Technology LLC

Address of Applicant: 113 Cherry ST PMB 78120 Seattle, WA 98104 USA

Manufacturer: Grabtaxi Holdings Pte. Ltd.

Address of Manufacturer: 3 Media Cl, Singapore 138498

Factory: SKY LIGHT Electronic (ShenZhen) Limited

Address of Factory: No. 8 & 9 Building, AnTuoShan High-tech Industrial Area, Xinsha Road,

ShaJing, Bao'An, Shenzhen, China.

**Equipment Under Test (EUT):** 

EUT Name: KartaCam 2 Model No.: GKS200

FCC ID: 2BB5A-GKS200

Standard(s): 47 CFR Part 15, Subpart C 15.247

**Date of Receipt:** 2023-08-07

**Date of Test:** 2023-08-11 to 2023-09-25

**Date of Issue:** 2023-09-25

Test Result: Pass\*

Keny Xu EMC Laboratory Manager

Ceny. Ku



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="https://www.sgs.com/en/Terms-and-Conditions">https://www.sgs.com/en/Terms-and-Conditions</a>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is 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.

to the fullest extent of the law. Unless outerwise stated and localized sample(s) are retained for 30 days only.

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

No.1Wortshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn 中国・广东・深圳市南山区科技园中区M-10栋1号厂房 邮编:518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 2 of 158

|         | Revision Record |            |          |          |  |  |  |
|---------|-----------------|------------|----------|----------|--|--|--|
| Version | Chapter         | Date       | Modifier | Remark   |  |  |  |
| 01      |                 | 2023-09-25 |          | Original |  |  |  |
|         |                 |            |          |          |  |  |  |
|         |                 |            |          |          |  |  |  |

| Authorized for issue by: |                          |  |
|--------------------------|--------------------------|--|
|                          | Ledai                    |  |
|                          | Leo Lai/Project Engineer |  |
|                          | Exic Fu                  |  |
|                          | Eric Fu/Reviewer         |  |



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

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

No.1 Workshop, Ib-10, Middle Section, Science & Technology Park, Narshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn 中国・广东・深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 3 of 158

#### **Test Summary** 2

| Radio Spectrum Technical Requirement |                                     |        |   |        |  |  |  |
|--------------------------------------|-------------------------------------|--------|---|--------|--|--|--|
| Item                                 | Standard                            | Method | Requirement                                     | Result |  |  |  |
| Antenna Requirement                  | 47 CFR Part 15,<br>Subpart C 15.247 | N/A    | 47 CFR Part 15, Subpart C 15.203 & 15.247(b)(4) | Pass   |  |  |  |

| Radio Spectrum Matter Part                                |                  |   |  |        |  |  |
|---|------------------|---|--|--------|--|--|
| Item  | Standard         | Method                                  | Requirement                                  | Result |  |  |
| Conducted Emissions<br>at AC Power Line<br>(150kHz-30MHz) |                  | ANSI C63.10 (2013)<br>Section 6.2       | 47 CFR Part 15, Subpart<br>C 15.207          | Pass   |  |  |
| Conducted Peak Output Power                               |                  | ANSI C63.10 (2013)<br>Section 11.9.2    | 47 CFR Part 15, Subpart<br>C 15.247(b)(3)    | Pass   |  |  |
| Minimum 6dB<br>Bandwidth                                  |                  | ANSI C63.10 (2013)<br>Section 11.8.1    | 47 CFR Part 15, Subpart<br>C 15.247a(2)      | Pass   |  |  |
| Power Spectrum  Density                                   |                  | ANSI C63.10 (2013)<br>Section 11.10.2   | 47 CFR Part 15, Subpart<br>C 15.247(e)       | Pass   |  |  |
| Conducted Band<br>Edges Measurement                       | 47 CFR Part 15,  | ANSI C63.10 (2013)<br>Section 11.13.3.2 | 47 CFR Part 15, Subpart<br>C 15.247(d)       | Pass   |  |  |
| Conducted Spurious<br>Emissions                           | Subpart C 15.247 | ANSI C63.10 (2013)<br>Section 11.11     | 47 CFR Part 15, Subpart<br>C 15.247(d)       | Pass   |  |  |
| Radiated Emissions which fall in the restricted bands     |                  | ANSI C63.10 (2013)<br>Section 6.10.5    | 47 CFR Part 15, Subpart<br>C 15.205 & 15.209 | Pass   |  |  |
| Radiated Spurious<br>Emissions Below<br>1GHz              |                  | ANSI C63.10 (2013)<br>Section 6.4,6.5   | 47 CFR Part 15, Subpart<br>C 15.205 & 15.209 | Pass   |  |  |
| Radiated Spurious<br>Emissions Above<br>1GHz              |                  | ANSI C63.10 (2013)<br>Section 6.6       | 47 CFR Part 15, Subpart<br>C 15.205 & 15.209 | Pass   |  |  |



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

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

No.1 Workshop, Ni-10, Middle Section, Science & Technology Park, Narshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn 中国・广东・深圳市南山区科技园中区M-10栋1号厂房 邮编:518057 t(86-755)26012053 f(86-755)26710594 sgs.china@sgs.com



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 4 of 158

### **Contents**

|   |   | Page |
|---|---|------|
| 1 | 1 Cover Page  | 1    |
| 2 | 2 Test Summary  |      |
|   | ·   |      |
| 3 | 3 Contents  |      |
| 4 | 4 General Information                                   | 6    |
|   | 4.1 Details of E.U.T.                                   | 6    |
|   | 4.2 Description of Support Units                        |      |
|   | 4.3 Measurement Uncertainty                             |      |
|   | 4.4 Test Location                                       |      |
|   | 4.5 Test Facility                                       |      |
|   | 4.6 Deviation from Standards                            |      |
|   | 4.7 Abnormalities from Standard Conditions              |      |
| 5 | 5 Equipment List  |      |
|   | • •   |      |
| 6 | ·   |      |
|   | 6.1 Antenna Requirement                                 | 11   |
|   | 6.1.1 Test Requirement:                                 | 11   |
|   | 6.1.2 Conclusion  | 11   |
| 7 | 7 Radio Spectrum Matter Test Results                    | 12   |
|   | 7.1 Conducted Emissions at AC Power Line (150kHz-30MHz) |      |
|   | 7.1.1 E.U.T. Operation                                  |      |
|   | 7.1.2 Test Mode Description                             |      |
|   | 7.1.3 Test Setup Diagram                                |      |
|   | 7.1.4 Measurement Procedure and Data                    |      |
|   | 7.2 Conducted Peak Output Power                         |      |
|   | 7.2.1 E.U.T. Operation                                  | 16   |
|   | 7.2.2 Test Mode Description                             | 16   |
|   | 7.2.3 Test Setup Diagram                                |      |
|   | 7.2.4 Measurement Procedure and Data                    |      |
|   | 7.3 Minimum 6dB Bandwidth                               |      |
|   | 7.3.1 E.U.T. Operation                                  |      |
|   | 7.3.2 Test Mode Description                             |      |
|   | 7.3.3 Test Setup Diagram                                |      |
|   | 7.3.4 Measurement Procedure and Data                    |      |
|   | 7.4 Power Spectrum Density                              |      |
|   | 7.4.1 E.U.T. Operation                                  |      |
|   | 7.4.2 Test Mode Description                             |      |
|   | 7.4.3 Test Setup Diagram                                |      |
|   | 7.4.4 Measurement Procedure and Data                    |      |
|   | 7.5.1 E.U.T. Operation                                  |      |
|   | 7.0.1 L.U. 1. Operation                                 |      |



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

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



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 5 of 158

|     | 7.5.2      | Test Mode Description                                 |    |
|-----|------------|---|----|
|     | 7.5.3      | Test Setup Diagram                                    |    |
|     | 7.5.4      | Measurement Procedure and Data                        | 23 |
| 7.  | 6 (        | Conducted Spurious Emissions                          | 24 |
|     | 7.6.1      | E.U.T. Operation                                      | 24 |
|     | 7.6.2      | Test Mode Description                                 | 24 |
|     | 7.6.3      | Test Setup Diagram                                    | 25 |
|     | 7.6.4      | Measurement Procedure and Data                        |    |
| 7.  | 7 F        | Radiated Emissions which fall in the restricted bands | 26 |
|     | 7.7.1      | E.U.T. Operation                                      | 26 |
|     | 7.7.2      | Test Mode Description                                 | 26 |
|     | 7.7.3      | Test Setup Diagram                                    | 27 |
|     | 7.7.4      | Measurement Procedure and Data                        | 28 |
| 7.8 | 8 F        | Radiated Spurious Emissions Below 1GHz                | 61 |
|     | 7.8.1      | E.U.T. Operation                                      | 61 |
|     | 7.8.2      | Test Mode Description                                 | 61 |
|     | 7.8.3      | Test Setup Diagram                                    | 62 |
|     | 7.8.4      | Measurement Procedure and Data                        | 62 |
| 7.9 | 9 F        | Radiated Spurious Emissions Above 1GHz                | 65 |
|     | 7.9.1      | E.U.T. Operation                                      | 65 |
|     | 7.9.2      | Test Mode Description                                 | 65 |
|     | 7.9.3      | Test Setup Diagram                                    | 66 |
|     | 7.9.4      | Measurement Procedure and Data                        | 67 |
| 8   | Test S     | Setup Photo   | 86 |
|     |            | ·   |    |
| 9   | EUT C      | Constructional Details (EUT Photos)                   | 86 |
| 10  | Anner      | ndix  | 87 |
| . • | · · · PPCI | · * · · · · · · · · · · · · · · · · · ·               |    |



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

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

No.1 Workshop, Ib-10, Middle Section, Science & Technology Park, Narshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 6 of 158

### **General Information**

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

| Power supply:        | DC 3.7V from internal battery and which can be charged by DC 12V or Type USB port with 5V/3A,9V/3A,12V/3A,15V/3A |
|----------------------|--|
| Operation Frequency: | 802.11b/g/n(HT20)/ax(HEW20): 2412MHz to 2462MHz  |
| Modulation Type:     | 802.11b: DSSS (CCK, DQPSK, DBPSK), 802.11g/n/ax: OFDM (1024QAM, 256QAM, 64QAM, 16QAM, QPSK, BPSK)                |
| Channel Spacing:     | 5MHz   |
| Number of Channels:  | 802.11b/g/n(HT20)/ax(HEW20): 11  |
| Antenna Type:        | PIFA Antenna   |
| Antenna Gain:        | ANT1: 2.41dBi, ANT2: 2.41dBi   |

Remark: The information in this section is provided by the applicant or manufacturer, SGS is not liable to the accuracy, suitability, reliability or/and integrity of the information.

### 4.2 Description of Support Units

| Description  | Manufacturer | Model No.              | Serial No.        |
|--------------|--------------|------------------------|-------------------|
| Adapter      | ASUS         | A299-200150U-US        | REF. No.SEA05F01C |
| Type C Cable | Baseus       | PD100W                 | REF. No.SEA07B002 |
| RF Cable     | SGS          | N/A(cable loss: -2dBi) | REF. No.SEA05C005 |
| RF Cable     | SGS          | N/A(cable loss: -2dBi) | REF. No.SEA05C006 |

### 4.3 Measurement Uncertainty

| 4.5 Measurement officertainty                         |  |
|---|--|
| Test Item   | Measurement Uncertainty                      |
| Conducted Emissions at AC Power Line (150kHz-30MHz)   | ± 3.1dB                                      |
| Conducted Peak Output Power                           | ± 0.75dB                                     |
| Minimum 6dB Bandwidth                                 | ± 3%   |
| Power Spectrum Density                                | ± 2.84dB                                     |
| Conducted Band Edges Measurement                      | ± 0.75dB                                     |
| Conducted Spurious Emissions                          | ± 0.75dB                                     |
| Radiated Emissions which fall in the restricted bands | ± 6.0dB (Below 1GHz);± 4.6dB<br>(Above 1GHz) |
| Radiated Spurious Emissions Below 1GHz                | ± 6.0dB for 3m; ± 5.0dB for 10m              |
| Radiated Spurious Emissions Above 1GHz                | ± 4.6dB (1-18GHz);± 4.8dB (18-<br>40GHz)     |

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

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

No.1 Workshop, Ib-10, Middle Section, Science & Technology Park, Narshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn 中国・广东・深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 7 of 158

#### 4.4 Test Location

All tests were performed at:

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen Branch

No. 1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China. 518057.

Tel: +86 755 2601 2053 Fax: +86 755 2671 0594

No tests were sub-contracted.

### 4.5 Test Facility

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

#### A2LA (Certificate No. 3816.01)

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 3816.01.

### VCCI (Member No. 1937)

The 3m Fully-anechoic chamber for above 1GHz. 10m Semi-anechoic chamber for below 1GHz. Shielded Room for Mains Port Conducted Interference Measurement and Telecommunication Port Conducted Interference Measurement of SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen EMC laboratory have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: G-20026, R-14188, C-12383 and T-11153 respectively.

### • FCC -Designation Number: CN1336

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized as an accredited testing laboratory.

Designation Number: CN1336. Test Firm Registration Number: 787754.

#### Innovation, Science and Economic Development Canada

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized by ISED as an accredited testing laboratory.

CAB identifier: CN0006.

IC#: 4620C.

#### 4.6 Deviation from Standards

None

#### 4.7 Abnormalities from Standard Conditions

None



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

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



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 8 of 158

#### 5 **Equipment List**

| Conducted Emissions at AC Power Line (150kHz-30MHz) |                  |                      |               |            |              |  |
|---|------------------|----------------------|---------------|------------|--------------|--|
| Equipment   | Manufacturer     | Model No.            | Inventory No. | Cal Date   | Cal Due Date |  |
| Shielding Room                                      | ZhongYu Electron | GB-88                | SEM001-06     | 2022-05-14 | 2025-05-13   |  |
| EMI Test Receiver                                   | Rohde&Schwarz    | ESCI                 | SEM004-02     | 2023-03-20 | 2024-03-19   |  |
| Measurement Software                                | AUDIX            | e3 V8.2014-6-<br>27a | N/A           | N/A        | N/A          |  |
| Coaxial Cable                                       | SGS              | N/A                  | SEM024-01     | 2023-07-07 | 2024-07-06   |  |
| LISN  | Rohde&Schwarz    | ENV216               | SEM007-01     | 2023-09-19 | 2024-09-18   |  |
| LISN  | ETS-LINDGREN     | 3816/2               | SEM007-02     | 2023-03-20 | 2024-03-19   |  |

| Conducted Peak Output Power |              |                   |               |            |              |  |
|-----------------------------|--------------|-------------------|---------------|------------|--------------|--|
| Equipment                   | Manufacturer | Model No.         | Inventory No. | Cal Date   | Cal Due Date |  |
| Power Sensor                | TST PASS     | TSPS2023R         | SEM009-26     | 2023-04-01 | 2024-03-31   |  |
| Power Sensor                | KEYSIGHT     | U2021XA           | SEM009-16     | 2023-03-21 | 2024-03-20   |  |
| DC Power Supply             | Chroma       | 62012P-80-60      | SEM011-11     | 2022-10-20 | 2023-10-19   |  |
| MXA Signal Analyzer         | KEYSIGHT     | N9020A            | SEM004-19     | 2023-03-21 | 2024-03-20   |  |
| Measurement Software        | TST PASS     | TST PASS<br>V2.0  | N/A           | N/A        | N/A          |  |
| Coaxial Cable               | SGS          | N/A               | SEM031-01     | 2023-07-07 | 2024-07-06   |  |
| Attenuator                  | Huber+Suhner | 6620_SMA-50-<br>1 | SEM021-09     | 2023-03-31 | 2024-03-30   |  |

| Minimum 6dB Bandwidth |              |                   |               |            |              |  |  |
|-----------------------|--------------|-------------------|---------------|------------|--------------|--|--|
| Equipment             | Manufacturer | Model No.         | Inventory No. | Cal Date   | Cal Due Date |  |  |
| DC Power Supply       | Chroma       | 62012P-80-60      | SEM011-11     | 2022-10-20 | 2023-10-19   |  |  |
| MXA Signal Analyzer   | KEYSIGHT     | N9020A            | SEM004-19     | 2023-03-21 | 2024-03-20   |  |  |
| Measurement Software  | TST PASS     | TST PASS<br>V2.0  | N/A           | N/A        | N/A          |  |  |
| Coaxial Cable         | SGS          | N/A               | SEM031-01     | 2023-07-07 | 2024-07-06   |  |  |
| Attenuator            | Huber+Suhner | 6620_SMA-50-<br>1 | SEM021-09     | 2023-03-31 | 2024-03-30   |  |  |



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

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

No.1 Workshop, Ni-10, Middle Section, Science & Technology Park, Narshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 9 of 158

| Power Spectrum Density  | у                             |                   |               |            |              |
|-------------------------|-------------------------------|-------------------|---------------|------------|--------------|
| Equipment               | Manufacturer                  | Model No.         | Inventory No. | Cal Date   | Cal Due Date |
| DC Power Supply         | Chroma                        | 62012P-80-60      | SEM011-11     | 2022-10-20 | 2023-10-19   |
| MXA Signal Analyzer     | KEYSIGHT                      | N9020A            | SEM004-19     | 2023-03-21 | 2024-03-20   |
| Measurement Software    | rement Software TST PASS V2.0 |                   | N/A           | N/A        | N/A          |
| Coaxial Cable           | SGS                           | N/A               | SEM031-01     | 2023-07-07 | 2024-07-06   |
| Attenuator Huber+Suhner |                               | 6620_SMA-50-<br>1 | SEM021-09     | 2023-03-31 | 2024-03-30   |

| Conducted Band Edges Measurement |                              |                   |               |            |              |  |  |
|----------------------------------|------------------------------|-------------------|---------------|------------|--------------|--|--|
| Equipment                        | Manufacturer                 | Model No.         | Inventory No. | Cal Date   | Cal Due Date |  |  |
| DC Power Supply                  | Chroma                       | 62012P-80-60      | SEM011-11     | 2022-10-20 | 2023-10-19   |  |  |
| MXA Signal Analyzer              | KEYSIGHT                     | N9020A            | SEM004-19     | 2023-03-21 | 2024-03-20   |  |  |
| Measurement Software             | ement Software TST PASS V2.0 |                   | N/A           | N/A        | N/A          |  |  |
| Coaxial Cable                    | SGS                          | N/A               | SEM031-01     | 2023-07-07 | 2024-07-06   |  |  |
| Attenuator Huber+Suhner          |                              | 6620_SMA-50-<br>1 | SEM021-09     | 2023-03-31 | 2024-03-30   |  |  |

| Conducted Spurious Emissions |              |                   |               |            |              |  |  |
|------------------------------|--------------|-------------------|---------------|------------|--------------|--|--|
| Equipment                    | Manufacturer | Model No.         | Inventory No. | Cal Date   | Cal Due Date |  |  |
| DC Power Supply              | Chroma       | 62012P-80-60      | SEM011-11     | 2022-10-20 | 2023-10-19   |  |  |
| MXA Signal Analyzer          | KEYSIGHT     | N9020A            | SEM004-19     | 2023-03-21 | 2024-03-20   |  |  |
| Measurement Software         | TST PASS     | TST PASS<br>V2.0  | N/A           | N/A        | N/A          |  |  |
| Coaxial Cable                | SGS          | N/A               | SEM031-01     | 2023-07-07 | 2024-07-06   |  |  |
| Attenuator Huber+Suhner      |              | 6620_SMA-50-<br>1 | SEM021-09     | 2023-03-31 | 2024-03-30   |  |  |

| Radiated Spurious Emissions Below 1GHz |                      |                     |               |            |              |  |  |
|--|----------------------|---------------------|---------------|------------|--------------|--|--|
| Equipment                              | Manufacturer         | Model No.           | Inventory No. | Cal Date   | Cal Due Date |  |  |
| Loop Antenna                           | ETS-Lindgren         | 6502                | SEM003-08     | 2021-11-30 | 2023-11-29   |  |  |
| 3m Semi-Anechoic<br>Chamber            | ETS-LINDGREN         | N/A                 | SEM001-01     | 2023-06-19 | 2026-06-18   |  |  |
| MXE EMI Receiver                       | Agilent Technologies | N9038A              | SEM004-15     | 2022-10-20 | 2023-10-19   |  |  |
| BiConiLog Antenna                      | ETS-LINDGREN         | 3142C               | SEM003-01     | 2023-09-16 | 2025-09-15   |  |  |
| Pre-Amplifier                          | Agilent Technologies | 8447D               | SEM005-01     | 2023-03-20 | 2024-03-19   |  |  |
| Measurement Software                   | AUDIX                | e3 V8.2014-6-<br>27 | N/A           | N/A        | N/A          |  |  |
| Coaxial Cable                          | SGS                  | N/A                 | SEM025-01     | 2023-07-07 | 2024-07-06   |  |  |



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

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

No.1 Workshop, Ni-10, Middle Section, Science & Technology Park, Narshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn 中国・广东・深圳市南山区科技园中区M-10栋1号厂房 邮编:518057 t(86-755)26012053 f(86-755)26710594 sgs.china@sgs.com



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 10 of 158

| Radiated Emissions (Above 1GHz) |                 |                         |               |            |              |  |
|---------------------------------|-----------------|-------------------------|---------------|------------|--------------|--|
| Equipment                       | Manufacturer    | Model No.               | Inventory No. | Cal Date   | Cal Due Date |  |
| 3m Semi-Anechoic<br>Chamber     | AUDIX           | AUDIX N/A SEMOO         |               | 2023-04-01 | 2026-03-31   |  |
| Signal Analyzer                 | Rohde & Schwarz | FSV40                   | SEM008-04     | 2023-03-20 | 2024-03-19   |  |
| Horn Antenna                    | Rohde&Schwarz   | HF907                   | SEM003-07     | 2023-07-23 | 2025-07-22   |  |
| Microwave system                | A cilo n t      | 83017A                  | CEMOOF OF     | 2022-09-21 | 2023-09-20   |  |
| amplifier                       | Agilent         |                         | SEM005-25     | 2023-09-19 | 2024-09-18   |  |
| Measurement Software            | AUDIX           | e3 V8.2014-6-<br>27 N/A |               | N/A        | N/A          |  |
| Coaxial Cable                   | SGS             | N/A                     | SEM026-01     | 2023-07-07 | 2024-07-06   |  |

| Radiated Emissions which fall in the restricted bands |                       |                         |               |            |              |  |
|---|-----------------------|-------------------------|---------------|------------|--------------|--|
| Equipment   | Manufacturer Model No |                         | Inventory No. | Cal Date   | Cal Due Date |  |
| 3m Semi-Anechoic<br>Chamber                           | AUDIX                 | AUDIX N/A SEMO          |               | 2023-04-01 | 2026-03-31   |  |
| Signal Analyzer                                       | Rohde & Schwarz       | FSV40 SEM008-04         |               | 2023-03-20 | 2024-03-19   |  |
| Horn Antenna  | Rohde&Schwarz         | HF907 SEM003-0          |               | 2023-07-23 | 2025-07-22   |  |
| Microwave system                                      | Agilopt               | 83017A SEM              | SEM005-25     | 2022-09-21 | 2023-09-20   |  |
| amplifier   | Agilent               |                         | SEIVI005-25   | 2023-09-19 | 2024-09-18   |  |
| Measurement Software                                  | AUDIX                 | e3 V8.2014-6-<br>27 N/A |               | N/A        | N/A          |  |
| Coaxial Cable   | SGS                   | N/A                     | SEM026-01     | 2023-07-07 | 2024-07-06   |  |

| General used equipmen           | t   |           |               |            |              |
|---------------------------------|---|-----------|---------------|------------|--------------|
| Equipment                       | Manufacturer                                    | Model No. | Inventory No. | Cal Date   | Cal Due Date |
| Humidity/ Temperature Indicator | deli  | 8838      | SEM002-32     | 2023-07-28 | 2024-07-27   |
| Humidity/ Temperature Indicator | deli  | 8838      | SEM002-33     | 2023-07-28 | 2024-07-27   |
| Barometer                       | Changchun<br>Meteorological<br>Industry Factory | DYM3      | SEM002-01     | 2023-03-23 | 2024-03-22   |



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

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

No.1 Workshop, Ni-10, Middle Section, Science & Technology Park, Narshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 11 of 158

#### Radio Spectrum Technical Requirement 6

### 6.1 Antenna Requirement

#### 6.1.1 Test Requirement:

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

### 6.1.2 Conclusion

#### Standard Requirement:

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

#### 15.247(b) (4) requirement:

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

#### **EUT Antenna:**

The antenna is a PIFA antenna fixed on the enclosure and no consideration of replacement. The best case gain of the antenna is 2.41dBi and 2.41dBi corresponding to ANT1 and ANT2; the directional gain is: 5.42dBi.

Antenna location: Refer to internal photo.



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

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn

t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 12 of 158

#### **Radio Spectrum Matter Test Results** 7

### 7.1 Conducted Emissions at AC Power Line (150kHz-30MHz)

47 CFR Part 15, Subpart C 15.207 Test Requirement Test Method: ANSI C63.10 (2013) Section 6.2

Limit:

| Fraguency of emission/MU-)   | Conducted limit(dBµV) |           |  |  |  |
|--|-----------------------|-----------|--|--|--|
| Frequency of emission(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 logarithm of the frequency.                        |                       |           |  |  |  |
| Detector: Peak for pre-scan (9kHz resolution bandwidth) 0.15M to 30MHz |                       |           |  |  |  |

### 7.1.1 E.U.T. Operation

Operating Environment:

23.4 °C Humidity: 47.3 % RH Atmospheric Pressure: 1005 mbar Temperature:

### 7.1.2 Test Mode Description

| 7.1.2 103t W             |              | - · · · · · · · · · · · · · · · · · · ·  |
|--------------------------|--------------|--|
| Pre-scan /<br>Final test | Mode<br>Code | Description  |
| Final test               | 07           | Charge + TX mode_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW20), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report. |



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

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

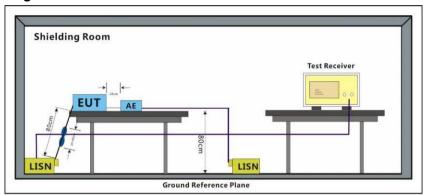


SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 13 of 158

#### 7.1.3 Test Setup Diagram



#### 7.1.4 Measurement Procedure and Data

- 1) The mains terminal disturbance voltage test was conducted in a shielded room.
- 2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a 50ohm/50µH + 50hm 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.
- 3) 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.
- 4) 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.
- 5) In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10 on conducted measurement.

Remark: Level=Read Level+ Cable Loss+ LISN 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 <a href="https://www.sgs.com/en/Terms-and-Conditions">https://www.sgs.com/en/Terms-and-Conditions</a>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's indings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn

中国・广东・深圳市南山区科技园中区M-10栋1号厂房 邮编:518057

t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

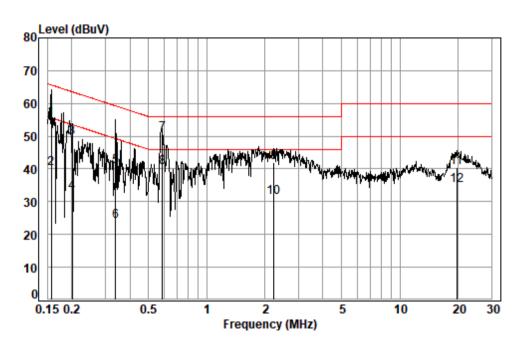


SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 14 of 158

Test Mode: 07; Line: Live line



: Shielding Room

Condition: Line Job No. : 02542AT

Test mode: 07

|     | Freq    | Cable<br>Loss | LISN<br>Factor | Read<br>Level | Level | Limit<br>Line | Over<br>Limit | Remark  |
|-----|---------|---------------|----------------|---------------|-------|---------------|---------------|---------|
|     | MHz     | dB            | dB             | dBuV          | dBuV  | dBuV          | dB            |         |
| 1   | 0.1573  | 0.02          | 9.63           | 45.76         | 55.41 | 65.60         | -10.19        | QP      |
| 2   | 0.1573  | 0.02          | 9.63           | 30.64         | 40.29 | 55.60         | -15.31        | Average |
| 3   | 0.2018  | 0.02          | 9.62           | 39.98         | 49.62 | 63.54         | -13.92        | QP      |
| 4   | 0.2018  | 0.02          | 9.62           | 23.31         | 32.95 | 53.54         | -20.59        | Average |
| 5   | 0.3374  | 0.03          | 9.62           | 31.01         | 40.66 | 59.27         | -18.61        | QP      |
| 6   | 0.3374  | 0.03          | 9.62           | 14.49         | 24.14 | 49.27         | -25.13        | Average |
| 7 * | 0.5916  | 0.04          | 9.62           | 41.21         | 50.87 | 56.00         | -5.13         | QP      |
| 8 * | 0.5916  | 0.04          | 9.62           | 30.78         | 40.44 | 46.00         | -5.56         | Average |
| 9   | 2.2367  | 0.07          | 9.64           | 32.16         | 41.87 | 56.00         | -14.13        | QP      |
| 10  | 2.2367  | 0.07          | 9.64           | 21.71         | 31.42 | 46.00         | -14.58        | Average |
| 11  | 19.7397 | 0.27          | 9.94           | 30.17         | 40.38 | 60.00         | -19.62        | QP      |
| 12  | 19.7397 | 0.27          | 9.94           | 24.84         | 35.05 | 50.00         | -14.95        | Average |



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

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

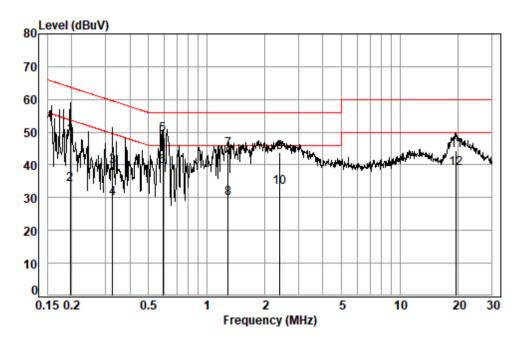


SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 15 of 158

Test Mode: 07; Line: Neutral Line



: Shielding Room

Condition: Neutral Job No. : 02542AT

Test mode: 07

|     | _       | Cable | LISN   | Read  |       | Limit | 0ver   |         |
|-----|---------|-------|--------|-------|-------|-------|--------|---------|
|     | Freq    | Loss  | Factor | Level | Level | Line  | Limit  | Remark  |
|     | MHz     | dB    | dB     | dBuV  | dBuV  | dBuV  | dB     |         |
| 1   | 0.1965  | 0.02  | 9.62   | 39.34 | 48.98 | 63.76 | -14.78 | QP      |
| 2   | 0.1965  | 0.02  | 9.62   | 24.36 | 34.00 | 53.76 | -19.76 | Average |
| 3   | 0.3251  | 0.03  | 9.62   | 29.75 | 39.40 | 59.57 | -20.17 | QP      |
| 4   | 0.3251  | 0.03  | 9.62   | 20.06 | 29.71 | 49.57 | -19.86 | Average |
| 5 * | 0.5948  | 0.04  | 9.62   | 39.48 | 49.14 | 56.00 | -6.86  | QP      |
| 6 * | 0.5948  | 0.04  | 9.62   | 29.75 | 39.41 | 46.00 | -6.59  | Average |
| 7   | 1.2892  | 0.06  | 9.63   | 34.90 | 44.59 | 56.00 | -11.41 | QP      |
| 8   | 1.2892  | 0.06  | 9.63   | 20.26 | 29.95 | 46.00 | -16.05 | Average |
| 9   | 2.3962  | 0.07  | 9.64   | 34.17 | 43.88 | 56.00 | -12.12 | QP      |
| 10  | 2.3962  | 0.07  | 9.64   | 23.59 | 33.30 | 46.00 | -12.70 | Average |
| 11  | 19.6354 | 0.27  | 10.12  | 34.01 | 44.40 | 60.00 | -15.60 | QP      |
| 12  | 19.6354 | 0.27  | 10.12  | 28.53 | 38.92 | 50.00 | -11.08 | Average |



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

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



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 16 of 158

### 7.2 Conducted Peak Output Power

Test Requirement 47 CFR Part 15, Subpart C 15.247(b)(3) Test Method: ANSI C63.10 (2013) Section 11.9.2

#### Limit:

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

### 7.2.1 E.U.T. Operation

Operating Environment:

Temperature: 25.5 °C Atmospheric Pressure: 1000 mbar Humidity: 52.8 % RH

### 7.2.2 Test Mode Description

| 7.2.2 Test Mode Description |              |  |  |  |  |
|-----------------------------|--------------|--|--|--|--|
| Pre-scan /<br>Final test    | Mode<br>Code | Description  |  |  |  |
| Pre-scan                    | 07           | Charge + TX mode_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW20), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report. |  |  |  |
| Final test                  | 08           | TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW20), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.                       |  |  |  |



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

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

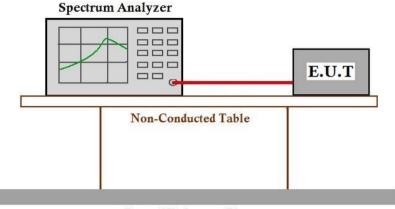


SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 17 of 158

### 7.2.3 Test Setup Diagram



Ground Reference Plane

#### 7.2.4 Measurement Procedure and Data

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

Please Refer to Appendix for Details



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

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

No.1 Workshop, Ib-10, Middle Section, Science & Technology Park, Narshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 18 of 158

### 7.3 Minimum 6dB Bandwidth

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

Limit:

≥500 kHz

### 7.3.1 E.U.T. Operation

Operating Environment:

Temperature: Atmospheric Pressure: 1000 mbar 25.5 °C Humidity: 53.3 % RH

#### 7 2 2 Toot Made Description

| 7.3.2 Test Mode Description |              |  |  |  |  |  |
|-----------------------------|--------------|--|--|--|--|--|
| Pre-scan /<br>Final test    | Mode<br>Code | Description  |  |  |  |  |
| Pre-scan                    | 07           | Charge + TX mode_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW20), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report. |  |  |  |  |
| Final test                  | 08           | TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW20), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.                       |  |  |  |  |



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

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

No.1 Workshop, Ib-10, Middle Section, Science & Technology Park, Narshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn

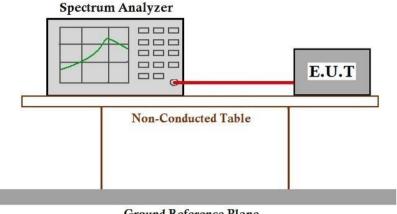


SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 19 of 158

#### 7.3.3 Test Setup Diagram



Ground Reference Plane

#### 7.3.4 Measurement Procedure and Data

Please Refer to Appendix for Details



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

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

No.1 Workshop, Ib-10, Middle Section, Science & Technology Park, Narshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 20 of 158

### 7.4 Power Spectrum Density

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

Limit:

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

### 7.4.1 E.U.T. Operation

Operating Environment:

Atmospheric Pressure: 1000 mbar Temperature: 25.5 °C Humidity: 53.1 % RH

#### 7.4.2 Test Mode Description

| 7.4.2 Test wode Description |              |  |  |  |  |  |  |
|-----------------------------|--------------|--|--|--|--|--|--|
| Pre-scan /<br>Final test    | Mode<br>Code | Description  |  |  |  |  |  |
| Pre-scan                    | 07           | Charge + TX mode_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW20), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report. |  |  |  |  |  |
| Final test                  | 08           | TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW20), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.                       |  |  |  |  |  |



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

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

No.1 Workshop, Ib-10, Middle Section, Science & Technology Park, Narshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn

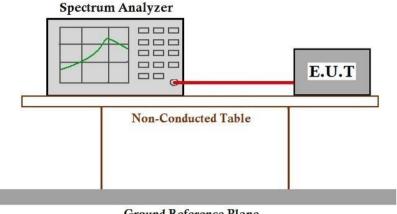


SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 21 of 158

#### 7.4.3 Test Setup Diagram



Ground Reference Plane

#### 7.4.4 Measurement Procedure and Data

Please Refer to Appendix for Details



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

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

No.1 Workshop, Ib-10, Middle Section, Science & Technology Park, Narshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn

中国・广东・深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Member of the SGS Group (SGS SA)



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 22 of 158

### 7.5 Conducted Band Edges Measurement

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

Limit:

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

### 7.5.1 E.U.T. Operation

Operating Environment:

Temperature: 25.5 °C Humidity: 52.8 % RH Atmospheric Pressure: 1000 mbar

### 7.5.2 Test Mode Description

| 7.5.2 Test Mode Description |              |  |  |  |  |
|-----------------------------|--------------|--|--|--|--|
| Pre-scan /<br>Final test    | Mode<br>Code | Description  |  |  |  |
| Pre-scan                    | 07           | Charge + TX mode_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW20), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report. |  |  |  |
| Final test                  | 08           | TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW20), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.                       |  |  |  |



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

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn

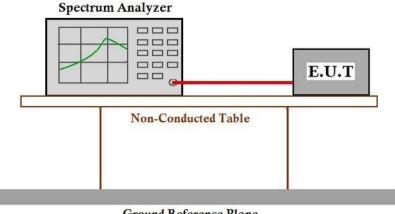


SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 23 of 158

#### 7.5.3 Test Setup Diagram



Ground Reference Plane

#### 7.5.4 Measurement Procedure and Data

Please Refer to Appendix for Details



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

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



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 24 of 158

### 7.6 Conducted Spurious Emissions

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

Limit:

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

### 7.6.1 E.U.T. Operation

Operating Environment:

Temperature: 25.5 °C Humidity: 52.6 % RH Atmospheric Pressure: 1000 mbar

### 7.6.2 Test Mode Description

| 7.6.2 Test Mode Description |              |  |  |  |  |  |
|-----------------------------|--------------|--|--|--|--|--|
| Pre-scan /<br>Final test    | Mode<br>Code | Description  |  |  |  |  |
| Pre-scan                    | 07           | Charge + TX mode_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW20), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report. |  |  |  |  |
| Final test                  | 08           | TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW20), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.                       |  |  |  |  |



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

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn

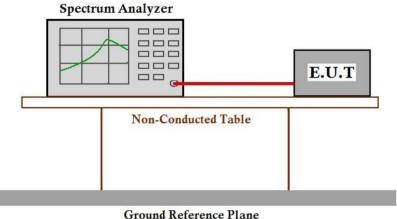


SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 25 of 158

#### 7.6.3 Test Setup Diagram



#### 7.6.4 Measurement Procedure and Data

Please Refer to Appendix for Details



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

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

No.1 Workshop, Ib-10, Middle Section, Science & Technology Park, Narshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn

中国・广东・深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Member of the SGS Group (SGS SA)



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 26 of 158

### 7.7 Radiated Emissions which fall in the restricted bands

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

Test Method: ANSI C63.10 (2013) Section 6.10.5

Limit:

| Frequency(MHz) | Field strength(microvolts/meter) | Measurement distance(meters) |
|----------------|----------------------------------|------------------------------|
| 0.009-0.490    | 2400/F(kHz)                      | 300                          |
| 0.490-1.705    | 24000/F(kHz)                     | 30                           |
| 1.705-30.0     | 30                               | 30                           |
| 30-88          | 100                              | 3                            |
| 88-216         | 150                              | 3                            |
| 216-960        | 200                              | 3                            |
| Above 960      | 500                              | 3                            |

Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90kHz, 110-490kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.

#### 7.7.1 E.U.T. Operation

Operating Environment:

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

7.7.2 Test Mode Description

| 1.1.2 Test Mode Description |              |  |  |  |  |  |
|-----------------------------|--------------|--|--|--|--|--|
| Pre-scan /<br>Final test    | Mode<br>Code | Description  |  |  |  |  |
| Pre-scan                    | 07           | Charge + TX mode_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW20), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report. |  |  |  |  |
| Final test                  | 08           | TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW20), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.                       |  |  |  |  |



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

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

No.1 Workshop, Ib-10, Middle Section, Science & Technology Park, Narshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn 中国・广东・深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

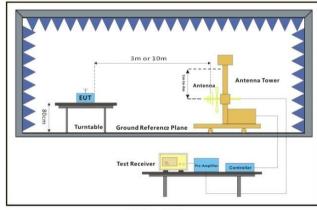


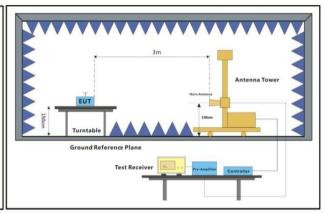
SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 27 of 158

### 7.7.3 Test Setup Diagram





Above 1GHz 30MHz-1GHz



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

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

No.1 Workshop, Ib-10, Middle Section, Science & Technology Park, Narshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 28 of 158

#### 7.7.4 Measurement Procedure and Data

- a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- d. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- e. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- g. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
- h. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- i. Repeat above procedures until all frequencies measured was complete.

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

Remark 2: For frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.



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

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn

t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

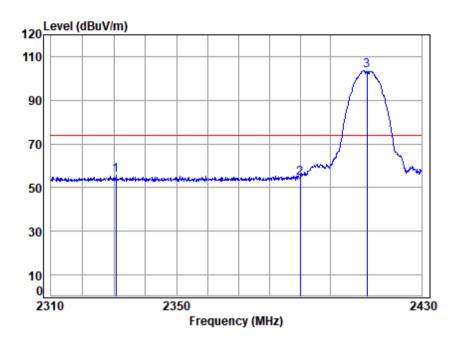


SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 29 of 158

Test Mode: 08; Polarity: Horizontal; Modulation:802.11b; Bandwidth:20MHz; Channel:Low



Site : chamber

Condition: 3m HORIZONTAL

Job No : 02542AT

: 2412 Band edge Mode Note : 2.4G WIFI 11B

|     | Freq     |      |       |       |        | Level  |        |        | Remark |
|-----|----------|------|-------|-------|--------|--------|--------|--------|--------|
| -   | MHz      | dB   | dB/m  | dB    | dBuV   | dBuV/m | dBuV/m | dB     |        |
| 1   | 2330.682 | 5.02 | 28.52 | 35.66 | 57.68  | 55.56  | 74.00  | -18.44 | peak   |
| 2   | 2390.000 | 5.08 | 28.76 | 35.64 | 56.26  | 54.46  | 74.00  | -19.54 | peak   |
| 3 q | 2412.000 | 5.10 | 28.87 | 35.63 | 105.09 | 103.43 | 74.00  | 29.43  | peak   |



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

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn

t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

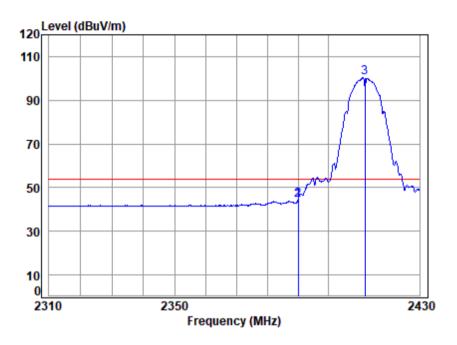


SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 30 of 158

Test Mode: 08; Polarity: Horizontal; Modulation:802.11b; Bandwidth:20MHz; Channel:Low



Site : chamber

Condition: 3m HORIZONTAL

Job No : 02542AT

: 2412 Band edge Mode Note : 2.4G WIFI 11B

|     | Freq     |      |       |       |        |        | Limit<br>Line |       | Remark  |
|-----|----------|------|-------|-------|--------|--------|---------------|-------|---------|
| -   | MHz      | dB   | dB/m  | dB    | dBuV   | dBuV/m | dBuV/m        | dB    |         |
| 1   | 2389.968 | 5.08 | 28.76 | 35.64 | 46.20  | 44.40  | 54.00         | -9.60 | Average |
| 2   | 2390.000 | 5.08 | 28.76 | 35.64 | 46.20  | 44.40  | 54.00         | -9.60 | Average |
| 3 q | 2412.000 | 5.10 | 28.87 | 35.63 | 102.07 | 100.41 | 54.00         | 46.41 | Average |



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

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

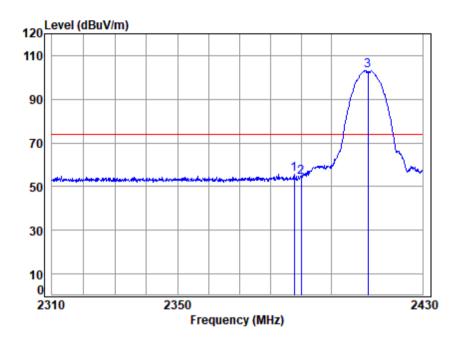


SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 31 of 158

Test Mode: 08; Polarity: Vertical; Modulation:802.11b; Bandwidth:20MHz; Channel:Low



Site : chamber

Condition: 3m VERTICAL

Job No : 02542AT

: 2412 Band edge Mode Note : 2.4G WIFI 11B

|     | Freq     |      | Ant<br>Factor |       |        |        |       |        | Remark |   |
|-----|----------|------|---------------|-------|--------|--------|-------|--------|--------|---|
| -   |          |      | dB/m          |       |        |        |       |        |        | - |
| 1   | 2387.791 | 5.07 | 28.75         | 35.64 | 57.34  | 55.52  | 74.00 | -18.48 | Peak   |   |
| 2   | 2390.000 | 5.08 | 28.76         | 35.64 | 56.14  | 54.34  | 74.00 | -19.66 | Peak   |   |
| 3 q | 2412.000 | 5.10 | 28.87         | 35.63 | 104.83 | 103.17 | 74.00 | 29.17  | Peak   |   |



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

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

No.1 Workshop, Ib-10, Middle Section, Science & Technology Park, Narshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn

中国・广东・深圳市南山区科技园中区M-10栋1号厂房 邮编:518057

t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

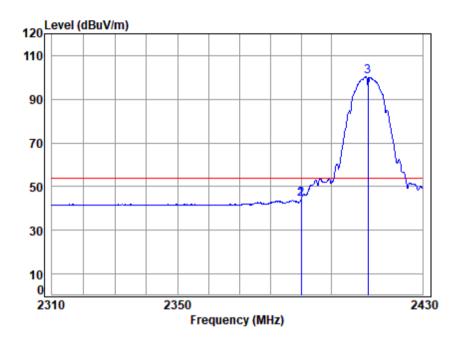


SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 32 of 158

Test Mode: 08; Polarity: Vertical; Modulation:802.11b; Bandwidth:20MHz; Channel:Low



Site : chamber

Condition: 3m VERTICAL

Job No : 02542AT

: 2412 Band edge Mode Note : 2.4G WIFI 11B

|     | Freq     |      |       |       |        |        | Limit<br>Line |       | Remark  |
|-----|----------|------|-------|-------|--------|--------|---------------|-------|---------|
|     | MHz      | dB   | dB/m  | dB    | dBuV   | dBuV/m | dBuV/m        | dB    |         |
| 1   | 2389.968 | 5.08 | 28.76 | 35.64 | 45.94  | 44.14  | 54.00         | -9.86 | Average |
| 2   | 2390.000 | 5.08 | 28.76 | 35.64 | 45.94  | 44.14  | 54.00         | -9.86 | Average |
| 3 q | 2412.000 | 5.10 | 28.87 | 35.63 | 102.15 | 100.49 | 54.00         | 46.49 | Average |



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

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

No.1 Workshop, Ib-10, Middle Section, Science & Technology Park, Narshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn

t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

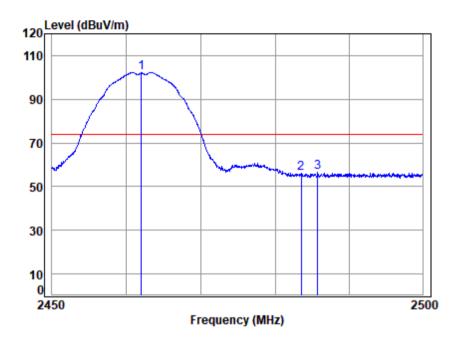


SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 33 of 158

Test Mode: 08; Polarity: Horizontal; Modulation:802.11b; Bandwidth:20MHz; Channel:High



Site : chamber

Condition: 3m HORIZONTAL

: 02542AT Job No

: 2462 Band edge Mode Note : 2.4G WIFI 11B

|   | Freq     |      |       |       |        |        | Limit<br>Line |        | Remark |   |
|---|----------|------|-------|-------|--------|--------|---------------|--------|--------|---|
|   | MHz      | dB   | dB/m  | ——dB  | dBuV   | dBuV/m | dBuV/m        | ——dB   |        | - |
| q | 2462.000 | 5.14 | 29.17 | 35.62 | 103.53 | 102.22 | 74.00         | 28.22  | peak   |   |
| 2 | 2483.500 | 5.16 | 29.30 | 35.61 | 57.20  | 56.05  | 74.00         | -17.95 | peak   |   |
| } | 2485.747 | 5.16 | 29.32 | 35.61 | 57.81  | 56.68  | 74.00         | -17.32 | peak   |   |



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

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn

中国・广东・深圳市南山区科技园中区M-10栋1号厂房 邮编:518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com Member of the SGS Group (SGS SA)

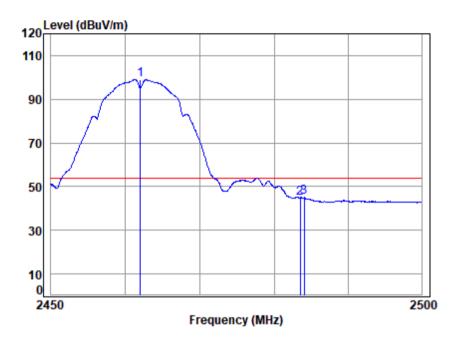


SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 34 of 158

Test Mode: 08; Polarity: Horizontal; Modulation:802.11b; Bandwidth:20MHz; Channel:High



Site : chamber

Condition: 3m HORIZONTAL

: 02542AT Job No

: 2462 Band edge Mode Note : 2.4G WIFI 11B

|     | Freq     |      |       |       |        |        | Limit<br>Line |       | Remark  |
|-----|----------|------|-------|-------|--------|--------|---------------|-------|---------|
|     | MHz      | dB   | dB/m  | dB    | dBuV   | dBuV/m | dBuV/m        | dB    |         |
| 1 q | 2462.000 | 5.14 | 29.17 | 35.62 | 100.37 | 99.06  | 54.00         | 45.06 | Average |
| 2   | 2483.500 | 5.16 | 29.30 | 35.61 | 45.93  | 44.78  | 54.00         | -9.22 | Average |
| 3   | 2484.041 | 5.16 | 29.30 | 35.61 | 46.10  | 44.95  | 54.00         | -9.05 | Average |



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

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

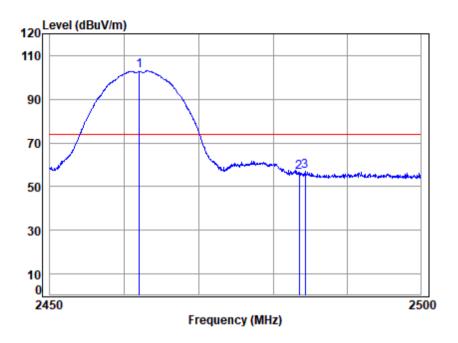


SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 35 of 158

Test Mode: 08; Polarity: Vertical; Modulation:802.11b; Bandwidth:20MHz; Channel:High



Site : chamber

Condition: 3m VERTICAL

Job No : 02542AT

Mode : 2462 Band edge · 2 4G WTET 11B Note

| ote | . 2.4d WIFI IID |       |        |        |        |        |        |        |        |   |
|-----|-----------------|-------|--------|--------|--------|--------|--------|--------|--------|---|
|     |                 | Cable | Ant    | Preamp | Read   |        | Limit  | 0ver   |        |   |
|     | Freq            | Loss  | Factor | Factor | Level  | Level  | Line   | Limit  | Remark |   |
| _   |                 |       |        |        |        |        |        |        |        | _ |
|     | MHz             | dB    | dB/m   | dB     | dBuV   | dBuV/m | dBuV/m | dB     |        |   |
|     |                 |       |        |        |        |        |        |        |        |   |
| 1 q | 2462.000        | 5.14  | 29.17  | 35.62  | 104.34 | 103.03 | 74.00  | 29.03  | Peak   |   |
| 2   | 2483.500        | 5.16  | 29.30  | 35.61  | 57.80  | 56.65  | 74.00  | -17.35 | Peak   |   |
| 3   | 2484.342        | 5.16  | 29.31  | 35.61  | 58.16  | 57.02  | 74.00  | -16.98 | Peak   |   |



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

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

No.1 Workshop, Ib-10, Middle Section, Science & Technology Park, Narshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn

中国・广东・深圳市南山区科技园中区M-10栋1号厂房 邮编:518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com Member of the SGS Group (SGS SA)

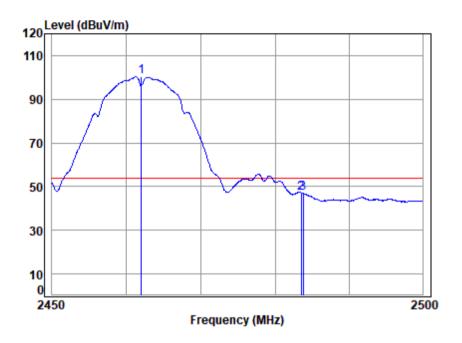


SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 36 of 158

Test Mode: 08; Polarity: Vertical: Modulation:802.11b; Bandwidth:20MHz; Channel:High



Site : chamber

Condition: 3m VERTICAL

Job No : 02542AT

Mode : 2462 Band edge Note : 2.4G WIFI 11B

|     | Freq       |      |       |       |       |        | Limit<br>Line |       | Remark  |  |
|-----|------------|------|-------|-------|-------|--------|---------------|-------|---------|--|
|     | MHz        | dB   | dB/m  | dB    | dBuV  | dBuV/m | dBuV/m        | dB    |         |  |
| . ( | q 2462.000 |      |       |       |       |        |               |       | _       |  |
|     | 2483.500   | 5.16 | 29.30 | 35.61 | 48.31 | 47.16  | 54.00         | -6.84 | Average |  |
| ,   | 2483.790   | 5.16 | 29.30 | 35.61 | 48.01 | 46.86  | 54.00         | -7.14 | Average |  |



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

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn

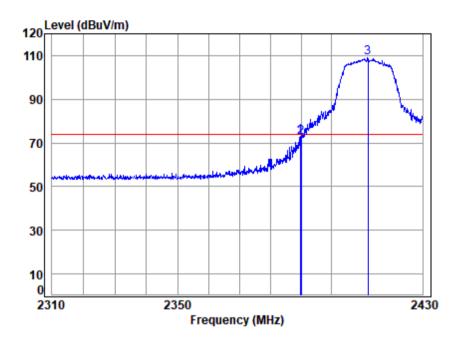


SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 37 of 158

Test Mode: 08; Polarity: Horizontal; Modulation:802.11g; Bandwidth:20MHz; Channel:Low



Site : chamber

Condition: 3m HORIZONTAL

Job No : 02542AT

: 2412 Band edge Mode Note : 2.4G WIFI 11G

| Freq                 |    |      |    |      |        | Limit<br>Line |    | Remark |
|----------------------|----|------|----|------|--------|---------------|----|--------|
| MHz                  | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m        | dB |        |
| 2389.726<br>2390.000 |    |      |    |      |        |               |    | •      |
| q 2412.000           |    |      |    |      |        |               |    | •      |



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

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn

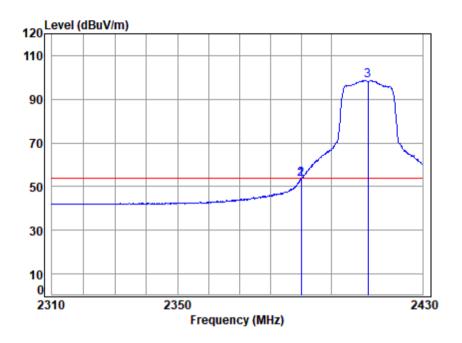


SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 38 of 158

Test Mode: 08; Polarity: Horizontal; Modulation:802.11g; Bandwidth:20MHz; Channel:Low



Site : chamber

Condition: 3m HORIZONTAL

: 02542AT Job No

: 2412 Band edge Mode Note : 2.4G WIFI 11G

|     | Freq     |      |       |       |        |        | Limit<br>Line |       | Remark  |  |
|-----|----------|------|-------|-------|--------|--------|---------------|-------|---------|--|
| -   | MHz      | dB   | dB/m  | dB    | dBuV   | dBuV/m | dBuV/m        | dB    |         |  |
| 1   | 2389.968 | 5.08 | 28.76 | 35.64 | 55.12  | 53.32  | 54.00         | -0.68 | Average |  |
| 2   | 2390.000 | 5.08 | 28.76 | 35.64 | 55.12  | 53.32  | 54.00         | -0.68 | Average |  |
| 3 q | 2412.000 | 5.10 | 28.87 | 35.63 | 100.30 | 98.64  | 54.00         | 44.64 | Average |  |



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

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

No.1 Workshop, Ib-10, Middle Section, Science & Technology Park, Narshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn

中国・广东・深圳市南山区科技园中区M-10栋1号厂房 邮编:518057

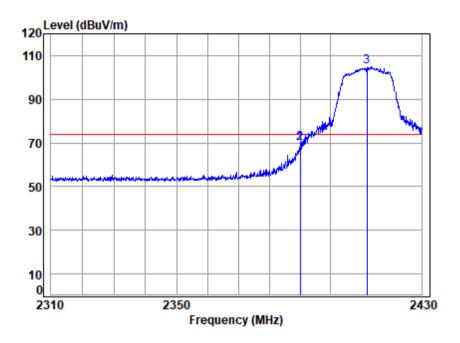


SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 39 of 158

Test Mode: 08; Polarity: Vertical; Modulation:802.11g; Bandwidth:20MHz; Channel:Low



Site : chamber

Condition: 3m VERTICAL

Job No : 02542AT

: 2412 Band edge Mode Note : 2.4G WIFI 11G

| Freq                 |    |      |    |      |        | Limit<br>Line |    | Remark |
|----------------------|----|------|----|------|--------|---------------|----|--------|
| MHz                  | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m        | dB |        |
| 2389.968             |    |      |    |      |        |               |    |        |
| 2390.000<br>2412.000 |    |      |    |      |        |               |    |        |



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

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

No.1 Workshop, Ib-10, Middle Section, Science & Technology Park, Narshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn

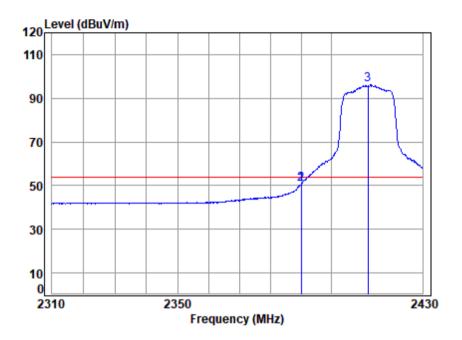


SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 40 of 158

Test Mode: 08; Polarity: Vertical; Modulation:802.11g; Bandwidth:20MHz; Channel:Low



Site : chamber

Condition: 3m VERTICAL

: 02542AT Job No

: 2412 Band edge Mode Note : 2.4G WIFI 11G

|     | Freq     |      |       | Preamp<br>Factor |       |        |        |       | Remark  |  |
|-----|----------|------|-------|------------------|-------|--------|--------|-------|---------|--|
| -   | MHz      | dB   | dB/m  | dB               | dBuV  | dBuV/m | dBuV/m | dB    |         |  |
| 1   | 2389.968 | 5.08 | 28.76 | 35.64            | 52.46 | 50.66  | 54.00  | -3.34 | Average |  |
| 2   | 2390.000 | 5.08 | 28.76 | 35.64            | 52.46 | 50.66  | 54.00  | -3.34 | Average |  |
| 3 q | 2412.000 | 5.10 | 28.87 | 35.63            | 97.91 | 96.25  | 54.00  | 42.25 | Average |  |



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

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

No.1 Workshop, Ib-10, Middle Section, Science & Technology Park, Narshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn

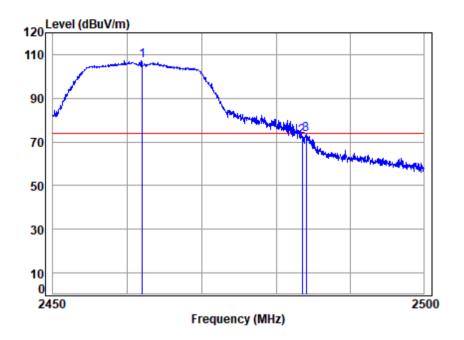


SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 41 of 158

Test Mode: 08; Polarity: Horizontal; Modulation:802.11g; Bandwidth:20MHz; Channel:High



Site : chamber

Condition: 3m HORIZONTAL

Job No : 02542AT

: 2462 Band edge Mode Note : 2.4G WIFI 11G

|     | Freq     |      |       |       |        |        | Limit<br>Line |       | Remark |
|-----|----------|------|-------|-------|--------|--------|---------------|-------|--------|
|     | MHz      | dB   | dB/m  | dB    | dBuV   | dBuV/m | dBuV/m        | dB    |        |
| 1 q | 2462.000 | 5.14 | 29.17 | 35.62 | 108.57 | 107.26 | 74.00         | 33.26 | peak   |
| 2   | 2483.500 | 5.16 | 29.30 | 35.61 | 73.68  | 72.53  | 74.00         | -1.47 | peak   |
| 3   | 2484.091 | 5.16 | 29.31 | 35.61 | 74.54  | 73.40  | 74.00         | -0.60 | peak   |



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

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn

中国・广东・深圳市南山区科技园中区M-10栋1号厂房 邮编:518057

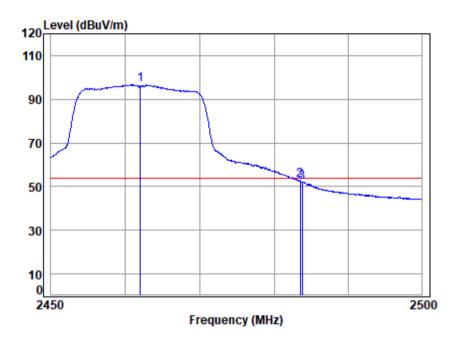


SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 42 of 158

Test Mode: 08; Polarity: Horizontal; Modulation:802.11g; Bandwidth:20MHz; Channel:High



Site : chamber

Condition: 3m HORIZONTAL

: 02542AT Job No

: 2462 Band edge Mode Note : 2.4G WIFI 11G

|     | Freq     |      |       |       |       |        | Limit<br>Line |       | Remark  |
|-----|----------|------|-------|-------|-------|--------|---------------|-------|---------|
|     | MHz      | dB   | dB/m  | dB    | dBuV  | dBuV/m | dBuV/m        | dB    |         |
| 1 q | 2462.000 | 5.14 | 29.17 | 35.62 | 98.01 | 96.70  | 54.00         | 42.70 | Average |
| 2   | 2483.500 | 5.16 | 29.30 | 35.61 | 53.95 | 52.80  | 54.00         | -1.20 | Average |
| 3   | 2483.790 | 5.16 | 29.30 | 35.61 | 53.27 | 52.12  | 54.00         | -1.88 | Average |



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

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn

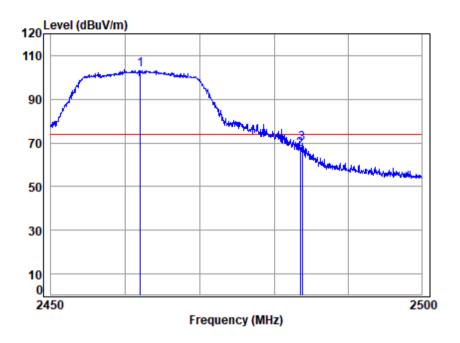


SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 43 of 158

Test Mode: 08; Polarity: Vertical; Modulation:802.11g; Bandwidth:20MHz; Channel:High



Site : chamber

Condition: 3m VERTICAL

Job No : 02542AT

Mode : 2462 Band edge Note · 2 4G WIFT 11G

| Le | . 2.4    | +G MTL | 1 110  |        |        |        |        |       |        |   |
|----|----------|--------|--------|--------|--------|--------|--------|-------|--------|---|
|    |          | Cable  | Ant    | Preamp | Read   |        | Limit  | 0ver  |        |   |
|    | Freq     | Loss   | Factor | Factor | Level  | Level  | Line   | Limit | Remark |   |
|    | -        |        |        |        |        |        |        |       |        |   |
|    | MHz      | dB     | dB/m   | dB     | dBuV   | dBuV/m | dBuV/m | dB    |        | _ |
|    |          |        | •      |        |        | •      | •      |       |        |   |
| а  | 2462.000 | 5.14   | 29.17  | 35.62  | 104.73 | 103.42 | 74.00  | 29.42 | Peak   |   |
|    | 2483.500 |        |        |        |        |        |        |       |        |   |
|    | 2483.790 |        |        |        |        |        |        |       |        |   |



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

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

No.1 Workshop, Ib-10, Middle Section, Science & Technology Park, Narshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn

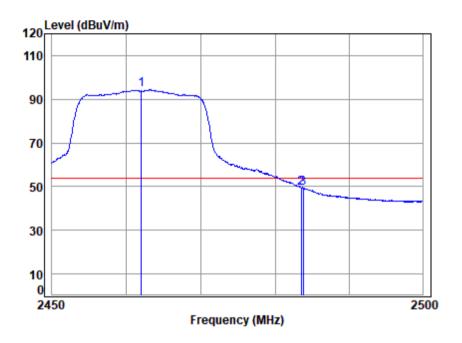


SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 44 of 158

Test Mode: 08; Polarity: Vertical; Modulation:802.11g; Bandwidth:20MHz; Channel:High



Site : chamber

Condition: 3m VERTICAL

: 02542AT Job No

Mode : 2462 Band edge Note : 2.4G WIFI 11G

|   | Freq                 |    |      |    |      |        | Limit<br>Line |    | Remark |  |
|---|----------------------|----|------|----|------|--------|---------------|----|--------|--|
|   | MHz                  | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m        | dB |        |  |
|   | 2462.000<br>2483.500 |    |      |    |      |        |               |    | _      |  |
| } | 2483.790             |    |      |    |      |        |               |    | _      |  |



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

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

No.1 Workshop, Ib-10, Middle Section, Science & Technology Park, Narshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn

中国・广东・深圳市南山区科技园中区M-10栋1号厂房 邮编:518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com Member of the SGS Group (SGS SA)

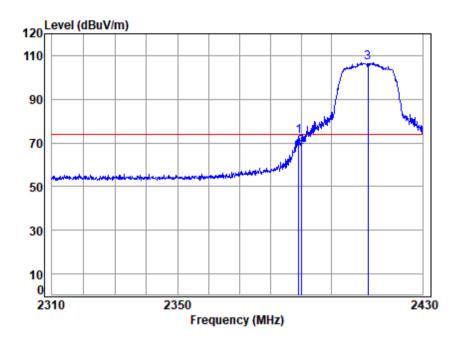


SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 45 of 158

Test Mode: 08; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Site : chamber

Condition: 3m HORIZONTAL

Job No : 02542AT

: 2412 Band edge Mode Note : 2.4G WIFI 11N20

|     |          |       |        | _      |        |        |        |       |        |
|-----|----------|-------|--------|--------|--------|--------|--------|-------|--------|
|     |          | Cable | Ant    | Preamp | Read   |        | Limit  | 0ver  |        |
|     | Freq     | Loss  | Factor | Factor | Level  | Level  | Line   | Limit | Remark |
| _   |          |       |        |        |        |        |        |       |        |
|     | MHz      | dB    | dB/m   | dB     | dBuV   | dBuV/m | dBuV/m | dB    |        |
|     |          |       |        |        |        |        |        |       |        |
| 1   | 2389.242 | 5.07  | 28.76  | 35.64  | 74.84  | 73.03  | 74.00  | -0.97 | peak   |
| 2   | 2390.000 | 5.08  | 28.76  | 35.64  | 69.86  | 68.06  | 74.00  | -5.94 | peak   |
| 3 q | 2412.000 | 5.10  | 28.87  | 35.63  | 108.35 | 106.69 | 74.00  | 32.69 | peak   |



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

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn

中国・广东・深圳市南山区科技园中区M-10栋1号厂房 邮编:518057

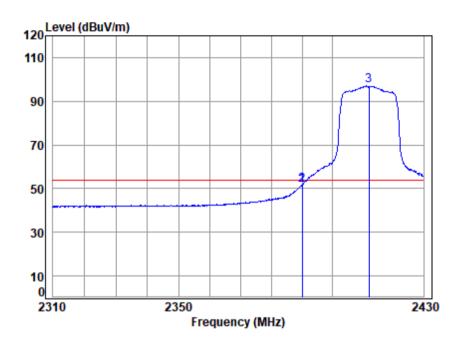


SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 46 of 158

Test Mode: 08: Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Site : chamber

Condition: 3m HORIZONTAL

Job No : 02542AT

: 2412 Band edge Mode Note : 2.4G WIFI 11N20

|     |          |      |       | _                |       |        |        |       |         |
|-----|----------|------|-------|------------------|-------|--------|--------|-------|---------|
|     | Freq     |      |       | Preamp<br>Factor |       |        |        |       | Remark  |
|     | MHz      | dB   | dB/m  | dB               | dBuV  | dBuV/m | dBuV/m | dB    |         |
| 1   | 2389.968 | 5.08 | 28.76 | 35.64            | 53.34 | 51.54  | 54.00  | -2.46 | Average |
| 2   | 2390.000 | 5.08 | 28.76 | 35.64            | 53.34 | 51.54  | 54.00  | -2.46 | Average |
| 3 q | 2412.000 | 5.10 | 28.87 | 35.63            | 98.68 | 97.02  | 54.00  | 43.02 | Average |



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

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn

中国・广东・深圳市南山区科技园中区M-10栋1号厂房 邮编:518057

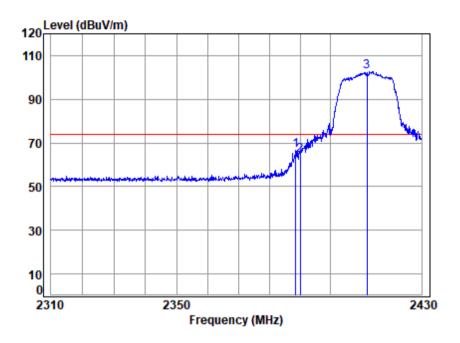


SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 47 of 158

Test Mode: 08; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Site : chamber

Condition: 3m VERTICAL

Job No : 02542AT

: 2412 Band edge Mode Note : 2.4G WIFI 11N20

| Freq                 |    |      |    |      |        | Limit<br>Line |    | Remark |
|----------------------|----|------|----|------|--------|---------------|----|--------|
| MHz                  | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m        | dB |        |
| 2388.637<br>2390.000 |    |      |    |      |        |               |    |        |
| q 2412.000           |    |      |    |      |        |               |    |        |



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

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

No.1 Workshop, Ib-10, Middle Section, Science & Technology Park, Narshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn

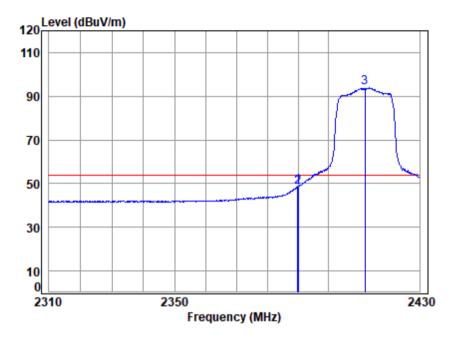


SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 48 of 158

Test Mode: 08; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Site : chamber

Condition: 3m VERTICAL

: 02542AT Job No

Mode : 2412 Band edge : 2.4G WIFI 11N20 Note

| . 21 10 1121 221120 |          |       |        |        |       |        |        |       |         |  |
|---------------------|----------|-------|--------|--------|-------|--------|--------|-------|---------|--|
|                     |          | Cable | Ant    | Preamp | Read  |        | Limit  | 0ver  |         |  |
|                     | Freq     | Loss  | Factor | Factor | Level | Level  | Line   | Limit | Remark  |  |
|                     |          |       |        |        |       |        |        |       |         |  |
|                     | MHz      | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB    |         |  |
|                     |          |       |        |        |       |        |        |       |         |  |
| 1                   | 2389.847 | 5.08  | 28.76  | 35.64  | 50.47 | 48.67  | 54.00  | -5.33 | Average |  |
| 2                   | 2390.000 | 5.08  | 28.76  | 35.64  | 50.34 | 48.54  | 54.00  | -5.46 | Average |  |
| 3 q                 | 2412.000 | 5.10  | 28.87  | 35.63  | 95.49 | 93.83  | 54.00  | 39.83 | Average |  |



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

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

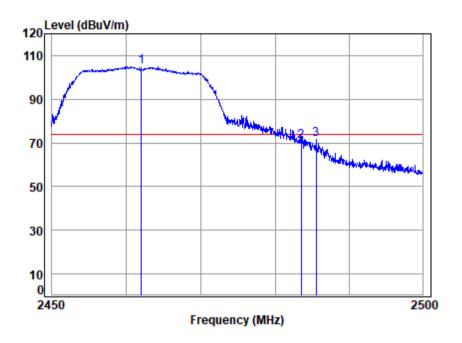


SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 49 of 158

Test Mode: 08; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Site : chamber

Condition: 3m HORIZONTAL

Job No : 02542AT

: 2462 Band edge Mode Note : 2.4G WIFI 11N20

|     | Freq     |      |       |       |        |        | Limit<br>Line |       | Remark |
|-----|----------|------|-------|-------|--------|--------|---------------|-------|--------|
|     | MHz      | dB   | dB/m  | dB    | dBuV   | dBuV/m | dBuV/m        | dB    |        |
| 1 q | 2462.000 | 5.14 | 29.17 | 35.62 | 106.31 | 105.00 | 74.00         | 31.00 | peak   |
| 2   | 2483.500 | 5.16 | 29.30 | 35.61 | 71.73  | 70.58  | 74.00         | -3.42 | peak   |
| 3   | 2485.546 | 5.16 | 29.31 | 35.61 | 72.84  | 71.70  | 74.00         | -2.30 | peak   |



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

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn

中国・广东・深圳市南山区科技园中区M-10栋1号厂房 邮编:518057

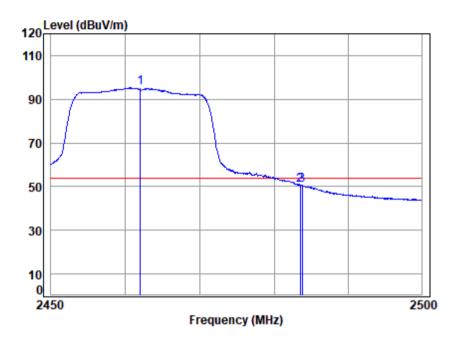


SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 50 of 158

Test Mode: 08; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Site : chamber

Condition: 3m HORIZONTAL

: 02542AT Job No

: 2462 Band edge Mode Note : 2.4G WIFI 11N20

| Freq                   |    |      | Preamp<br>Factor |      |        |        |    | Remark             |
|------------------------|----|------|------------------|------|--------|--------|----|--------------------|
| MHz                    | dB | dB/m | dB               | dBuV | dBuV/m | dBuV/m | dB |                    |
| q 2462.000<br>2483.500 |    |      |                  |      |        |        |    | _                  |
| 2483.790               |    |      |                  |      |        |        |    | Average<br>Average |



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

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn

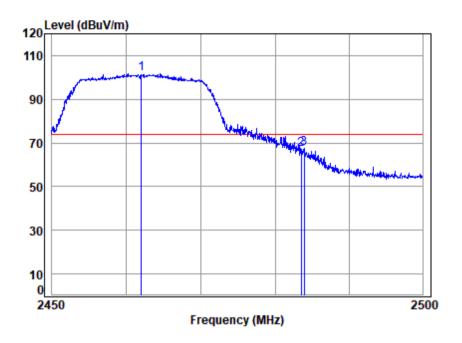


SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 51 of 158

Test Mode: 08; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Site : chamber

Condition: 3m VERTICAL

Job No : 02542AT

: 2462 Band edge Mode Note : 2.4G WIFI 11N20

| Freq                   |    |      |    |      |        | Limit<br>Line |    |  |
|------------------------|----|------|----|------|--------|---------------|----|--|
| MHz                    | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m        | dB |  |
| q 2462.000<br>2483.500 |    |      |    |      |        |               |    |  |
| 2483.940               |    |      |    |      |        |               |    |  |



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

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn

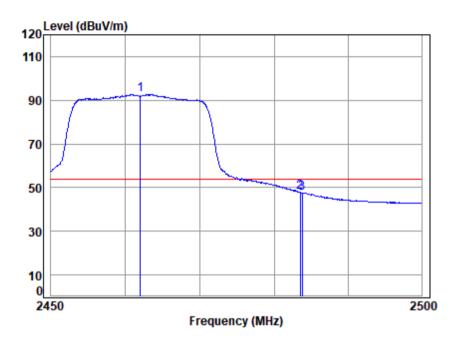


SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 52 of 158

Test Mode: 08; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Site : chamber

Condition: 3m VERTICAL

: 02542AT Job No

: 2462 Band edge Mode Note : 2.4G WIFI 11N20

|   | Freq       |      |       |       |       |        | Limit<br>Line |       | Remark  |
|---|------------|------|-------|-------|-------|--------|---------------|-------|---------|
|   | MHz        | dB   | dB/m  | dB    | dBuV  | dBuV/m | dBuV/m        | dB    |         |
|   | q 2462.000 |      |       |       |       |        |               |       | _       |
| 2 | 2483.500   | 5.16 | 29.30 | 35.61 | 48.98 | 47.83  | 54.00         | -6.1/ | Average |
| 3 | 2483.790   | 5.16 | 29.30 | 35.61 | 48.71 | 47.56  | 54.00         | -6.44 | Average |



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

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn

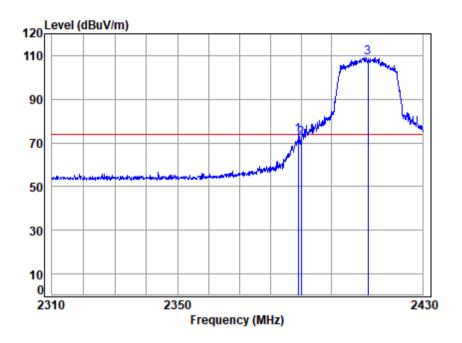


SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 53 of 158

Test Mode: 08; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Site : chamber

Condition: 3m HORIZONTAL

Job No : 02542AT

: 2412 Band edge Mode Note : 2.4G WIFI 11AX20

|     | Freq     |      |       |       |        |        | Limit<br>Line |       | Remark |
|-----|----------|------|-------|-------|--------|--------|---------------|-------|--------|
|     | MHz      | dB   | dB/m  | dB    | dBuV   | dBuV/m | dBuV/m        | dB    |        |
| 1   | 2389.121 | 5.07 | 28.76 | 35.64 | 75.30  | 73.49  | 74.00         | -0.51 | peak   |
| 2   | 2390.000 | 5.08 | 28.76 | 35.64 | 74.07  | 72.27  | 74.00         | -1.73 | peak   |
| 3 c | 2412.000 | 5.10 | 28.87 | 35.63 | 110.62 | 108.96 | 74.00         | 34.96 | peak   |



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

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn

中国・广东・深圳市南山区科技园中区M-10栋1号厂房 邮编:518057

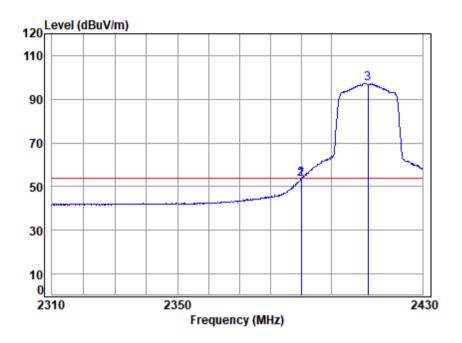


SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 54 of 158

Test Mode: 08; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Site : chamber

Condition: 3m HORIZONTAL

: 02542AT Job No

Mode : 2412 Band edge : 2.4G WIFI 11AX20 Note

| t Over           |
|------------------|
| ne Limit Remark  |
|                  |
| m dB             |
|                  |
| 0 -0.57 Average  |
| 0 -0.57 Average  |
| 00 43.23 Average |
|                  |



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

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

No.1 Workshop, Ib-10, Middle Section, Science & Technology Park, Narshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn

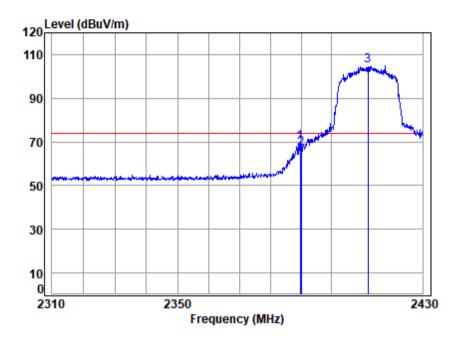


SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 55 of 158

Test Mode: 08; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Site : chamber

Condition: 3m VERTICAL

Job No : 02542AT

: 2412 Band edge Mode Note : 2.4G WIFI 11AX20

|   | Fred     |      |        |        |        |        | Limit<br>Line |       | Remark    |   |
|---|----------|------|--------|--------|--------|--------|---------------|-------|-----------|---|
|   | 11 64    | LUSS | ractor | ractor | rever  | rever  | LINE          | LIMIT | Kelliai K |   |
|   | MHz      | dB   | dB/m   | dB     | dBuV   | dBuV/m | dBuV/m        | dB    |           | _ |
|   | 2389.726 | 5 08 | 28 76  | 35 64  | 71 /15 | 69 65  | 74 00         | _/ 35 | Dook      |   |
|   | 2390.000 |      |        |        |        |        |               |       |           |   |
| q | 2412.000 | 5.10 | 28.87  | 35.63  | 106.38 | 104.72 | 74.00         | 30.72 | Peak      |   |



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

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

No.1 Workshop, Ib-10, Middle Section, Science & Technology Park, Narshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn

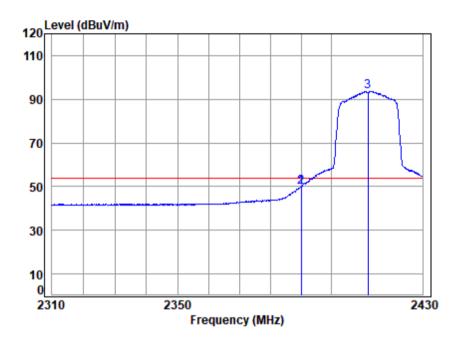


SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 56 of 158

Test Mode: 08; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Site : chamber

Condition: 3m VERTICAL

Job No : 02542AT

: 2412 Band edge Mode Note : 2.4G WIFI 11AX20

|     | Freq     |      |       |       |       |        | Limit<br>Line |       |         |
|-----|----------|------|-------|-------|-------|--------|---------------|-------|---------|
| -   | MHz      | dB   | dB/m  | dB    | dBuV  | dBuV/m | dBuV/m        | dB    |         |
| 1   | 2389.968 | 5.08 | 28.76 | 35.64 | 51.54 | 49.74  | 54.00         | -4.26 | Average |
| 2   | 2390.000 | 5.08 | 28.76 | 35.64 | 51.54 | 49.74  | 54.00         | -4.26 | Average |
| 3 q | 2412.000 | 5.10 | 28.87 | 35.63 | 95.31 | 93.65  | 54.00         | 39.65 | Average |



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

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

No.1 Workshop, Ib-10, Middle Section, Science & Technology Park, Narshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn

中国・广东・深圳市南山区科技园中区M-10栋1号厂房 邮编:518057

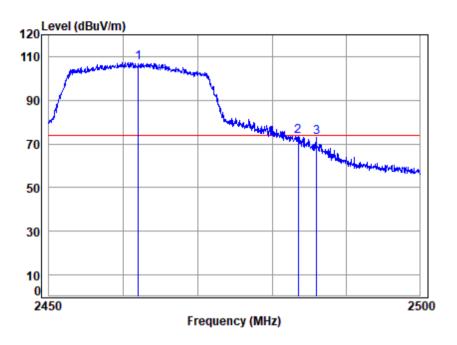


SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 57 of 158

Test Mode: 08; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Site : chamber

Condition: 3m HORIZONTAL

: 02542AT Job No

: 2462 Band edge Mode Note : 2.4G WIFI 11AX20

|     |          | Cable | Ant    | Preamp | Read   |        | Limit  | 0ver  |        |
|-----|----------|-------|--------|--------|--------|--------|--------|-------|--------|
|     | Freq     | Loss  | Factor | Factor | Level  | Level  | Line   | Limit | Remark |
| _   |          |       |        |        |        |        |        |       |        |
|     | MHz      | dB    | dB/m   | dB     | dBuV   | dBuV/m | dBuV/m | dB    |        |
|     |          |       |        |        |        |        |        |       |        |
| 1 q | 2462.000 | 5.14  | 29.17  | 35.62  | 108.46 | 107.15 | 74.00  | 33.15 | peak   |
| 2   | 2483.500 | 5.16  | 29.30  | 35.61  | 74.68  | 73.53  | 74.00  | -0.47 | peak   |
| 3   | 2485.999 | 5.16  | 29.32  | 35.61  | 73.98  | 72.85  | 74.00  | -1.15 | peak   |



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

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn

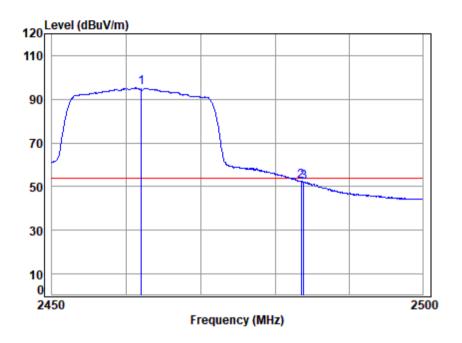


SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 58 of 158

Test Mode: 08; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Site : chamber

Condition: 3m HORIZONTAL

: 02542AT Job No

Mode : 2462 Band edge Note : 2.4G WIFI 11AX20

|     | Freq     |      |       | Preamp<br>Factor |       |        |        |       | Remark  |
|-----|----------|------|-------|------------------|-------|--------|--------|-------|---------|
|     | MHz      | dB   | dB/m  | dB               | dBuV  | dBuV/m | dBuV/m | dB    |         |
| 1 q | 2462.000 | 5.14 | 29.17 | 35.62            | 96.46 | 95.15  | 54.00  | 41.15 | Average |
| 2   | 2483.500 | 5.16 | 29.30 | 35.61            | 53.67 | 52.52  | 54.00  | -1.48 | Average |
| 3   | 2483.840 | 5.16 | 29.30 | 35.61            | 53.24 | 52.09  | 54.00  | -1.91 | Average |



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

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn

中国・广东・深圳市南山区科技园中区M-10栋1号厂房 邮编:518057

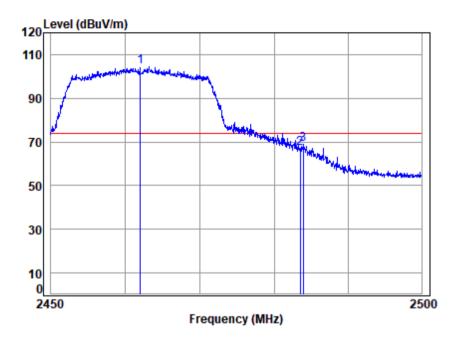


SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 59 of 158

Test Mode: 08; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Site : chamber

Condition: 3m VERTICAL

: 02542AT Job No

Mode : 2462 Band edge Note : 2.4G WIFI 11AX20

|     | Freq     |      |       |       |        |        | Limit<br>Line |       | Remark |
|-----|----------|------|-------|-------|--------|--------|---------------|-------|--------|
|     | MHz      | dB   | dB/m  | dB    | dBuV   | dBuV/m | dBuV/m        | dB    |        |
| 1 q | 2462.000 | 5.14 | 29.17 | 35.62 | 105.71 | 104.40 | 74.00         | 30.40 | Peak   |
| 2   | 2483.500 | 5.16 | 29.30 | 35.61 | 68.10  | 66.95  | 74.00         | -7.05 | Peak   |
| 3   | 2483.940 | 5.16 | 29.30 | 35.61 | 70.07  | 68.92  | 74.00         | -5.08 | Peak   |



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

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn

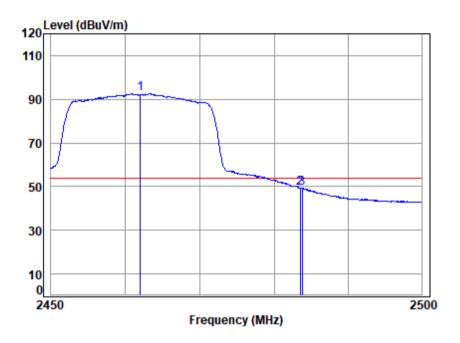


SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 60 of 158

Test Mode: 08; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Site : chamber

Condition: 3m VERTICAL

: 02542AT Job No

Mode : 2462 Band edge Note : 2.4G WIFI 11AX20

| Freq                 |    |      |    |      |        | Limit<br>Line |    | Remark |
|----------------------|----|------|----|------|--------|---------------|----|--------|
| MHz                  | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m        | dB |        |
| 2462.000<br>2483.500 |    |      |    |      |        |               |    | _      |
| 2483.790             |    |      |    |      |        |               |    | _      |



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

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn

中国・广东・深圳市南山区科技园中区M-10栋1号厂房 邮编:518057



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 61 of 158

### 7.8 Radiated Spurious Emissions Below 1GHz

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

Test Method: ANSI C63.10 (2013) Section 6.4,6.5

Measurement Distance: 3m

### Limit:

| Frequency(MHz) | Field strength(microvolts/meter) | Measurement distance(meters) |  |  |
|----------------|----------------------------------|------------------------------|--|--|
| 0.009-0.490    | 2400/F(kHz)                      | 300                          |  |  |
| 0.490-1.705    | 24000/F(kHz)                     | 30                           |  |  |
| 1.705-30.0     | 30                               | 30                           |  |  |
| 30-88          | 100                              | 3                            |  |  |
| 88-216         | 150                              | 3                            |  |  |
| 216-960        | 200                              | 3                            |  |  |
| 960-1000       | 500                              | 3                            |  |  |

### 7.8.1 E.U.T. Operation

Operating Environment:

Temperature: 23.4 °C Humidity: 45.3 % RH Atmospheric Pressure: 1005 mbar

### 7.8.2 Test Mode Description

| Pre-scan /<br>Final test | Mode<br>Code | Description  |
|--------------------------|--------------|--|
| Pre-scan                 | 07           | TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW20), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.                       |
| Final test               | 08           | Charge + TX mode_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW20), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report. |



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

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

No.1 Workshop, IM-10, Middle Section, Science & Technology Park, Narshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn

中国・广东・深圳市南山区科技园中区M-10栋1号厂房 邮编:518057

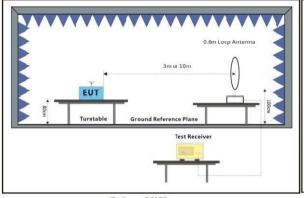


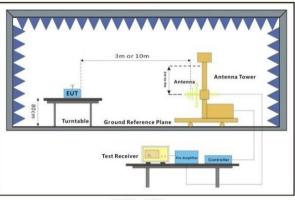
SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 62 of 158

#### 7.8.3 Test Setup Diagram





Below 30MHz

30MHz-1GHz

#### 7.8.4 Measurement Procedure and Data

- a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using quasi-peak method as specified and then reported in a data sheet.
- g. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- i. Repeat above procedures until all frequencies measured was complete. Remark:
- 1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
- 2. Scan from 9kHz to 30MHz, the disturbance below 30MHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.
- 3. The disturbance below 1GHz was very low and the harmonics were the highest point could be found when testing, so only the above harmonics had been displayed.



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

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn

中国・广东・深圳市南山区科技园中区M-10栋1号厂房 邮编:518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

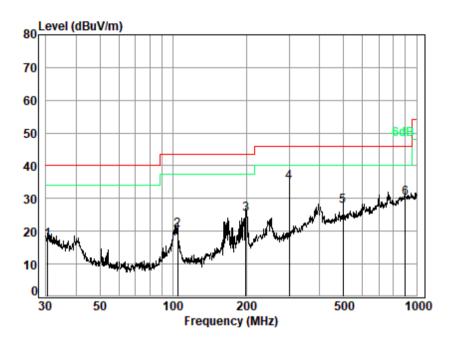


SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 63 of 158

Test Mode: 08; Polarity: Horizontal; Modulation:802.11b; Bandwidth:20MHz; Channel:Low



Site : chamber

Condition: 3m HORIZONTAL

Job No. : 02542AT

Test Mode: 08

|     |        | Ant    | Cable | Preamp | Read  |        | Limit  | 0ver   |        |   |
|-----|--------|--------|-------|--------|-------|--------|--------|--------|--------|---|
|     | Freq   | Factor | Loss  | Factor | Level | Level  | Line   | Limit  | Remark |   |
| -   | MHz    | dB/m   | dB    | dB     | dBuV  | dBuV/m | dBuV/m | dB     |        | _ |
| 1   | 30.53  | 21.13  | 0.65  | 27.80  | 23.50 | 17.48  | 40.00  | -22.52 | QP     |   |
| 2   | 104.17 | 12.96  | 1.21  | 27.59  | 33.94 | 20.52  | 43.50  | -22.98 | QP     |   |
| 3   | 199.29 | 14.36  | 1.73  | 27.25  | 36.35 | 25.19  | 43.50  | -18.31 | QP     |   |
| 4 q | 300.37 | 18.70  | 2.17  | 26.89  | 40.95 | 34.93  | 46.00  | -11.07 | QP     |   |
| 5   | 499.42 | 23.08  | 2.89  | 27.78  | 29.51 | 27.70  | 46.00  | -18.30 | QP     |   |
| 6   | 897.00 | 28.85  | 4.08  | 27.14  | 24.33 | 30.12  | 46.00  | -15.88 | OP     |   |



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

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn

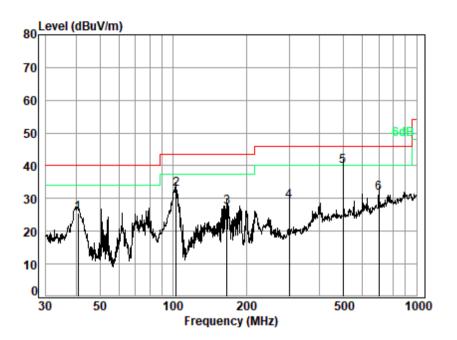


SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 64 of 158

Test Mode: 08; Polarity: Vertical; Modulation:802.11b; Bandwidth:20MHz; Channel:Low



Site : chamber

Condition: 3m VERTICAL

Job No. : 02542AT

Test Mode: 08

|     |        | Ant    | Cable | Preamp | Read  |        | Limit  | 0ver   |        |
|-----|--------|--------|-------|--------|-------|--------|--------|--------|--------|
|     | Freq   | Factor | Loss  | Factor | Level | Level  | Line   | Limit  | Remark |
| _   | MHz    | dB/m   | dB    | dB     | dBuV  | dBuV/m | dBuV/m | dB     |        |
| 1   | 40.70  | 15.14  | 0.76  | 27.77  | 37.39 | 25.52  | 40.00  | -14.48 | QP     |
| 2   | 103.08 | 12.98  | 1.21  | 27.60  | 46.38 | 32.97  | 43.50  | -10.53 | QP     |
| 3   | 166.65 | 13.84  | 1.55  | 27.37  | 39.46 | 27.48  | 43.50  | -16.02 | QP     |
| 4   | 300.37 | 18.70  | 2.17  | 26.89  | 35.18 | 29.16  | 46.00  | -16.84 | QP     |
| 5 q | 499.42 | 23.08  | 2.89  | 27.78  | 41.74 | 39.93  | 46.00  | -6.07  | QP     |
| 6   | 699.30 | 26.46  | 3.51  | 27.92  | 29.46 | 31.51  | 46.00  | -14.49 | OP     |



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

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 65 of 158

### 7.9 Radiated Spurious Emissions Above 1GHz

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

Test Method: ANSI C63.10 (2013) Section 6.6

Limit:

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

### 7.9.1 E.U.T. Operation

Operating Environment:

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

#### 7.9.2 Test Mode Description

|                          | 7.3.2 Test mode Description |  |  |  |  |  |  |  |  |  |  |
|--------------------------|-----------------------------|--|--|--|--|--|--|--|--|--|--|
| Pre-scan /<br>Final test | Mode<br>Code                | Description  |  |  |  |  |  |  |  |  |  |
| Pre-scan                 | 07                          | Charge + TX mode_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW20), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report. |  |  |  |  |  |  |  |  |  |
| Final test               | 08                          | TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW20), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.                       |  |  |  |  |  |  |  |  |  |



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

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

No.1 Workshop, IM-10, Middle Section, Science & Technology Park, Narshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn

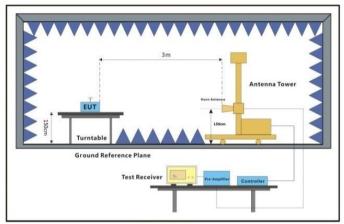


SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 66 of 158

### 7.9.3 Test Setup Diagram



Above 1GHz



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

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



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 67 of 158

#### 7.9.4 Measurement Procedure and Data

- a. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak or average method as specified and then reported in a data sheet.
- g. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- i. Repeat above procedures until all frequencies measured was complete.

## Remark:

- 1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
- 2. Scan from 1GHz to 25GHz, the disturbance above 18GHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.
- 3. As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.



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

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

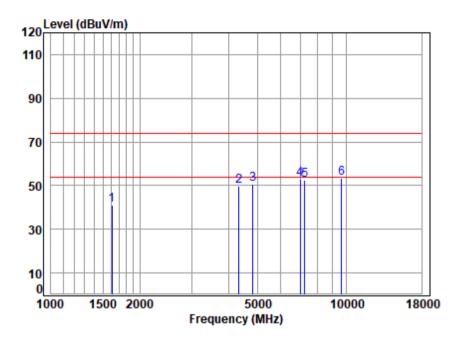


SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 68 of 158

Test Mode: 08; Polarity: Horizontal; Modulation:802.11b; Bandwidth:20MHz; Channel:Low



Site : chamber

Condition: 3m HORIZONTAL

: 02542AT Job No

Mode : 2412 TX RSE

: 2.4G WIFI 11B

|   |   |          | Cable | Ant    | Preamp | Read  |        | Limit  | 0ver   |        |
|---|---|----------|-------|--------|--------|-------|--------|--------|--------|--------|
|   |   | Freq     | Loss  | Factor | Factor | Level | Level  | Line   | Limit  | Remark |
|   |   |          |       |        |        |       |        |        |        |        |
|   |   | MHz      | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB     |        |
|   |   |          |       |        |        |       |        |        |        |        |
| 1 |   | 1611.091 | 4.22  | 26.54  | 36.60  | 46.95 | 41.11  | 74.00  | -32.89 | peak   |
| 2 |   | 4341.886 | 7.02  | 33.60  | 34.57  | 43.60 | 49.65  | 74.00  | -24.35 | peak   |
| 3 |   | 4824.000 | 7.33  | 33.90  | 34.88  | 44.22 | 50.57  | 74.00  | -23.43 | peak   |
| 4 |   | 6974.982 | 8.90  | 35.75  | 35.89  | 44.15 | 52.91  | 74.00  | -21.09 | peak   |
| 5 |   | 7236.000 | 9.21  | 35.80  | 35.95  | 43.49 | 52.55  | 74.00  | -21.45 | peak   |
| 6 | q | 9648.000 | 12.39 | 37.10  | 35.55  | 39.28 | 53.22  | 74.00  | -20.78 | peak   |



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

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

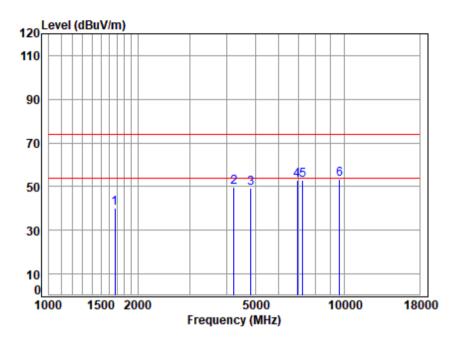


SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 69 of 158

Test Mode: 08; Polarity: Vertical; Modulation:802.11b; Bandwidth:20MHz; Channel:Low



Site : chamber

Condition: 3m VERTICAL

: 02542AT Job No

Mode : 2412 TX RSE

: 2.4G WIFI 11B

|   |   |          | Cable | Ant    | Preamp | Read  |        | Limit  | 0ver   |        |
|---|---|----------|-------|--------|--------|-------|--------|--------|--------|--------|
|   |   | Freq     | Loss  | Factor | Factor | Level | Level  | Line   | Limit  | Remark |
|   |   |          |       |        |        |       |        |        |        |        |
|   |   | MHz      | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB     |        |
|   |   |          |       |        |        |       |        |        |        |        |
| 1 |   | 1672.779 | 4.30  | 26.75  | 36.46  | 45.72 | 40.31  | 74.00  | -33.69 | peak   |
| 2 |   | 4230.396 | 6.94  | 33.52  | 34.49  | 43.76 | 49.73  | 74.00  | -24.27 | peak   |
| 3 |   | 4824.000 | 7.33  | 33.90  | 34.88  | 43.15 | 49.50  | 74.00  | -24.50 | peak   |
| 4 |   | 6934.778 | 8.87  | 35.67  | 35.86  | 44.17 | 52.85  | 74.00  | -21.15 | peak   |
| 5 |   | 7236.000 | 9.21  | 35.80  | 35.95  | 43.97 | 53.03  | 74.00  | -20.97 | peak   |
| 6 | q | 9648.000 | 12.39 | 37.10  | 35.55  | 39.52 | 53.46  | 74.00  | -20.54 | peak   |



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

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

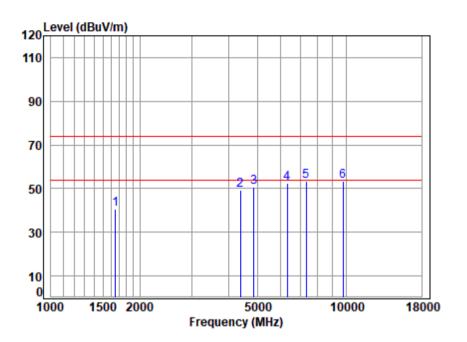


SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 70 of 158

Test Mode: 08; Polarity: Horizontal; Modulation:802.11b; Bandwidth:20MHz; Channel:middle



Site : chamber

Condition: 3m HORIZONTAL

: 02542AT Job No

Mode : 2437 TX RSE

: 2.4G WIFI 11B

|   |   |          | Cable | Ant    | Preamp | Read  |        | Limit  | 0ver   |        |
|---|---|----------|-------|--------|--------|-------|--------|--------|--------|--------|
|   |   | Freq     | Loss  | Factor | Factor | Level | Level  | Line   | Limit  | Remark |
|   |   |          |       |        |        |       |        |        |        |        |
|   |   | MHz      | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB     |        |
|   |   |          |       |        |        |       |        |        |        |        |
| 1 |   | 1653.550 | 4.27  | 26.71  | 36.51  | 46.19 | 40.66  | 74.00  | -33.34 | peak   |
| 2 |   | 4392.376 | 7.05  | 33.52  | 34.60  | 43.18 | 49.15  | 74.00  | -24.85 | peak   |
| 3 |   | 4874.000 | 7.36  | 34.05  | 34.91  | 43.97 | 50.47  | 74.00  | -23.53 | peak   |
| 4 |   | 6322.136 | 8.42  | 35.20  | 35.34  | 44.13 | 52.41  | 74.00  | -21.59 | peak   |
| 5 |   | 7311.000 | 9.30  | 35.90  | 35.97  | 43.97 | 53.20  | 74.00  | -20.80 | peak   |
| 6 | q | 9748.000 | 12.46 | 37.20  | 35.56  | 39.50 | 53.60  | 74.00  | -20.40 | peak   |



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

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

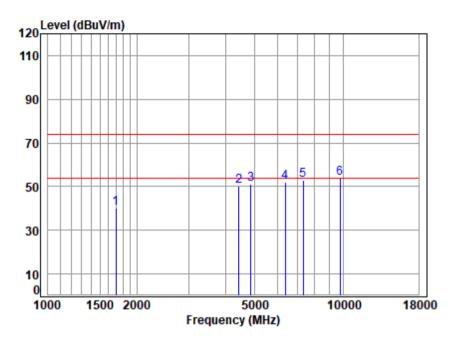


SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 71 of 158

Test Mode: 08; Polarity: Vertical; Modulation:802.11b; Bandwidth:20MHz; Channel:middle



Site : chamber

Condition: 3m VERTICAL

: 02542AT Job No

Mode : 2437 TX RSE

: 2.4G WIFI 11B

|   |   |          | TO WILL | 1 110  |        |       |        |        |        |        |
|---|---|----------|---------|--------|--------|-------|--------|--------|--------|--------|
|   |   |          | Cable   | Ant    | Preamp | Read  |        | Limit  | 0ver   |        |
|   |   | Freq     | Loss    | Factor | Factor | Level | Level  | Line   | Limit  | Remark |
|   |   |          |         |        |        |       |        |        |        |        |
|   |   | MHz      | dB      | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB     |        |
|   |   |          |         |        |        |       |        |        |        |        |
| 1 |   | 1697.129 | 4.33    | 26.79  | 36.41  | 45.63 | 40.34  | 74.00  | -33.66 | peak   |
| 2 |   | 4443.453 | 7.09    | 33.50  | 34.64  | 44.27 | 50.22  | 74.00  | -23.78 | peak   |
| 3 |   | 4874.000 | 7.36    | 34.05  | 34.91  | 44.45 | 50.95  | 74.00  | -23.05 | peak   |
| 4 |   | 6358.789 | 8.45    | 35.22  | 35.37  | 43.89 | 52.19  | 74.00  | -21.81 | peak   |
| 5 |   | 7311.000 | 9.30    | 35.90  | 35.97  | 43.76 | 52.99  | 74.00  | -21.01 | peak   |
| 6 | q | 9748.000 | 12.46   | 37.20  | 35.56  | 39.59 | 53.69  | 74.00  | -20.31 | peak   |



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

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

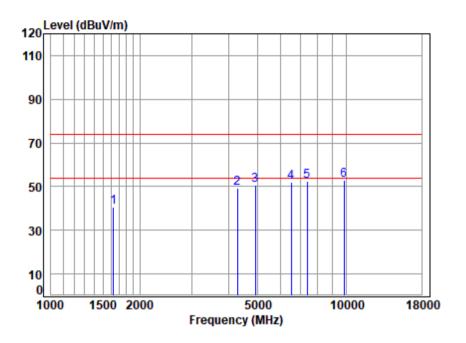


SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 72 of 158

Test Mode: 08; Polarity: Horizontal; Modulation:802.11b; Bandwidth:20MHz; Channel:High



Site : chamber

Condition: 3m HORIZONTAL

: 02542AT Job No

Mode : 2462 TX RSE

: 2.4G WIFI 11B

|   |   |          | Cable | Ant    | Preamp | Read  |        | Limit  | 0ver   |        |
|---|---|----------|-------|--------|--------|-------|--------|--------|--------|--------|
|   |   | Freq     | Loss  | Factor | Factor | Level | Level  | Line   | Limit  | Remark |
|   |   |          |       |        |        |       |        |        |        |        |
|   |   | MHz      | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB     |        |
|   |   |          |       |        |        |       |        |        |        |        |
| 1 |   | 1629.825 | 4.24  | 26.62  | 36.56  | 46.14 | 40.44  | 74.00  | -33.56 | peak   |
| 2 |   | 4291.977 | 6.99  | 33.60  | 34.54  | 43.07 | 49.12  | 74.00  | -24.88 | peak   |
| 3 |   | 4924.000 | 7.39  | 34.15  | 34.94  | 43.88 | 50.48  | 74.00  | -23.52 | peak   |
| 4 |   | 6507.536 | 8.57  | 35.52  | 35.50  | 43.52 | 52.11  | 74.00  | -21.89 | peak   |
| 5 |   | 7386.000 | 9.39  | 35.90  | 35.98  | 43.07 | 52.38  | 74.00  | -21.62 | peak   |
| 6 | q | 9848.000 | 12.53 | 37.30  | 35.57  | 38.78 | 53.04  | 74.00  | -20.96 | peak   |



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

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

No.1 Workshop, IM-10, Middle Section, Science & Technology Park, Narshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn

中国・广东・深圳市南山区科技园中区M-10栋1号厂房 邮编:518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

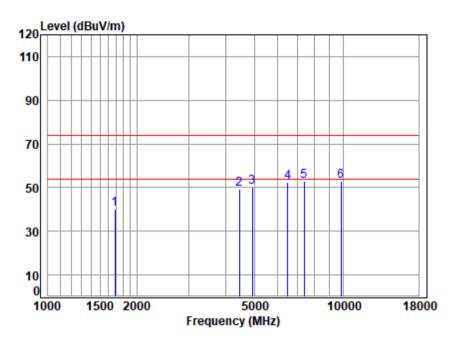


SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 73 of 158

Test Mode: 08; Polarity: Vertical; Modulation:802.11b; Bandwidth:20MHz; Channel:High



Site : chamber

Condition: 3m VERTICAL

: 02542AT Job No

Mode : 2462 TX RSE

: 2.4G WIFI 11B

|   |   |          | Cable | Ant    | Preamp | Read  |        | Limit  | 0ver   |        |
|---|---|----------|-------|--------|--------|-------|--------|--------|--------|--------|
|   |   | Freq     | Loss  | Factor | Factor | Level | Level  | Line   | Limit  | Remark |
|   |   |          |       |        |        |       |        |        |        |        |
|   |   | MHz      | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB     |        |
|   |   |          |       |        |        |       |        |        |        |        |
| 1 |   | 1687.347 | 4.31  | 26.77  | 36.43  | 45.61 | 40.26  | 74.00  | -33.74 | peak   |
| 2 |   | 4456.315 | 7.09  | 33.50  | 34.64  | 43.16 | 49.11  | 74.00  | -24.89 | peak   |
| 3 |   | 4924.000 | 7.39  | 34.15  | 34.94  | 43.69 | 50.29  | 74.00  | -23.71 | peak   |
| 4 |   | 6488.754 | 8.55  | 35.48  | 35.48  | 43.74 | 52.29  | 74.00  | -21.71 | peak   |
| 5 |   | 7386.000 | 9.39  | 35.90  | 35.98  | 43.61 | 52.92  | 74.00  | -21.08 | peak   |
| 6 | q | 9848.000 | 12.53 | 37.30  | 35.57  | 38.86 | 53.12  | 74.00  | -20.88 | peak   |



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

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

No.1 Workshop, Ib-10, Middle Section, Science & Technology Park, Narshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn

中国・广东・深圳市南山区科技园中区M-10栋1号厂房 邮编:518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

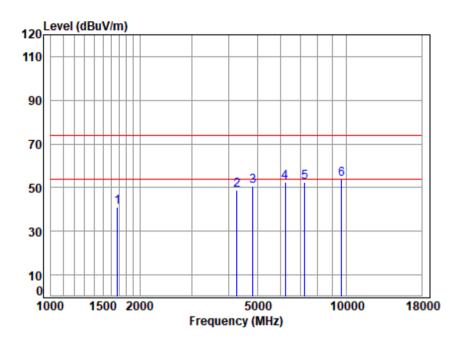


SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 74 of 158

Test Mode: 08; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Site : chamber

Condition: 3m HORIZONTAL

Job No : 02542AT

Mode : 2412 TX RSE

: 2.4G WIFI 11N20

|   |   | Freq     |       |       | Preamp<br>Factor |       | Level  |        |        | Remark |
|---|---|----------|-------|-------|------------------|-------|--------|--------|--------|--------|
|   |   | MHz      | dB    | dB/m  | dB               | dBuV  | dBuV/m | dBuV/m | dB     |        |
| 1 |   | 1682.477 | 4.31  | 26.77 | 36.44            | 46.23 | 40.87  | 74.00  | -33.13 | peak   |
| 2 |   | 4267.237 | 6.97  | 33.60 | 34.52            | 42.94 | 48.99  | 74.00  | -25.01 | peak   |
| 3 |   | 4824.000 | 7.33  | 33.90 | 34.88            | 44.30 | 50.65  | 74.00  | -23.35 | peak   |
| 4 |   | 6213.441 | 8.34  | 35.20 | 35.24            | 44.07 | 52.37  | 74.00  | -21.63 | peak   |
| 5 |   | 7236.000 | 9.21  | 35.80 | 35.95            | 43.32 | 52.38  | 74.00  | -21.62 | peak   |
| 6 | q | 9648.000 | 12.39 | 37.10 | 35.55            | 39.87 | 53.81  | 74.00  | -20.19 | peak   |



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

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

No.1 Workshop, Ib-10, Middle Section, Science & Technology Park, Narshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn 中国・广东・深圳市南山区科技园中区M-10栋1号厂房 邮编:518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

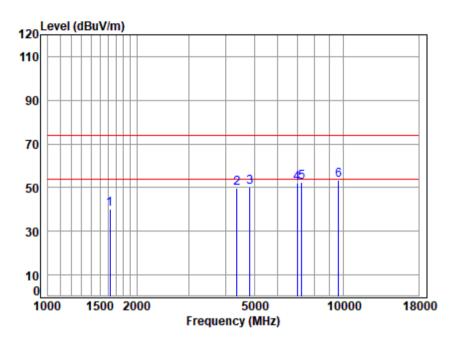


SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 75 of 158

Test Mode: 08; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Site : chamber

Condition: 3m VERTICAL

: 02542AT Job No

Mode : 2412 TX RSE

: 2.4G WIFI 11N20

|   |   |          |       |        | _      |       |        |        |        |        |
|---|---|----------|-------|--------|--------|-------|--------|--------|--------|--------|
|   |   |          | Cable | Ant    | Preamp | Read  |        | Limit  | 0ver   |        |
|   |   | Freq     | Loss  | Factor | Factor | Level | Level  | Line   | Limit  | Remark |
|   | _ |          |       |        |        |       |        |        |        |        |
|   |   | MHz      | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB     |        |
|   |   |          |       |        |        |       |        |        |        |        |
| 1 |   | 1620.431 | 4.23  | 26.58  | 36.58  | 46.11 | 40.34  | 74.00  | -33.66 | peak   |
| 2 |   | 4367.058 | 7.04  | 33.57  | 34.59  | 43.59 | 49.61  | 74.00  | -24.39 | peak   |
| 3 |   | 4824.000 | 7.33  | 33.90  | 34.88  | 43.75 | 50.10  | 74.00  | -23.90 | peak   |
| 4 |   | 6995.172 | 8.92  | 35.79  | 35.91  | 43.30 | 52.10  | 74.00  | -21.90 | peak   |
| 5 |   | 7236.000 | 9.21  | 35.80  | 35.95  | 43.42 | 52.48  | 74.00  | -21.52 | peak   |
| 6 | q | 9648.000 | 12.39 | 37.10  | 35.55  | 39.66 | 53.60  | 74.00  | -20.40 | peak   |



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

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

No.1 Workshop, Ib-10, Middle Section, Science & Technology Park, Narshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn

中国・广东・深圳市南山区科技园中区M-10栋1号厂房 邮编:518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com Member of the SGS Group (SGS SA)

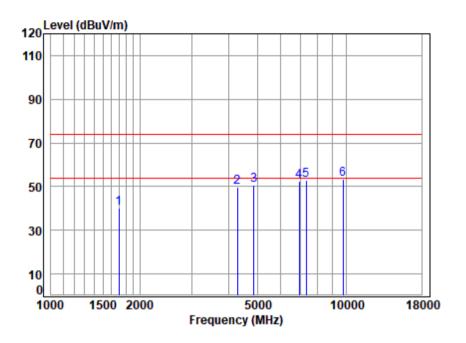


SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 76 of 158

Test Mode: 08; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:middle



Site : chamber

Condition: 3m HORIZONTAL

: 02542AT Job No

Mode : 2437 TX RSE

: 2.4G WIFI 11N20

|   |   |          |       |        | _      |       |        |        |        |        |
|---|---|----------|-------|--------|--------|-------|--------|--------|--------|--------|
|   |   |          | Cable | Ant    | Preamp | Read  |        | Limit  | 0ver   |        |
|   |   | Freq     | Loss  | Factor | Factor | Level | Level  | Line   | Limit  | Remark |
|   |   |          |       |        |        |       |        |        |        |        |
|   |   | MHz      | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB     |        |
|   |   |          |       |        |        |       |        |        |        |        |
| 1 |   | 1697.129 | 4.33  | 26.79  | 36.41  | 45.63 | 40.34  | 74.00  | -33.66 | peak   |
| 2 |   | 4279.589 | 6.98  | 33.60  | 34.53  | 43.67 | 49.72  | 74.00  | -24.28 | peak   |
| 3 |   |          |       |        | 34.91  |       |        |        |        | •      |
| 4 |   | 6934.778 |       |        |        |       |        |        |        | •      |
| 5 |   |          |       |        |        |       |        |        |        | •      |
| 6 | q | 9748.000 |       |        |        |       |        |        |        | •      |



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

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

No.1 Workshop, Ib-10, Middle Section, Science & Technology Park, Narshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn 中国・广东・深圳市南山区科技园中区M-10栋1号厂房 邮编:518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

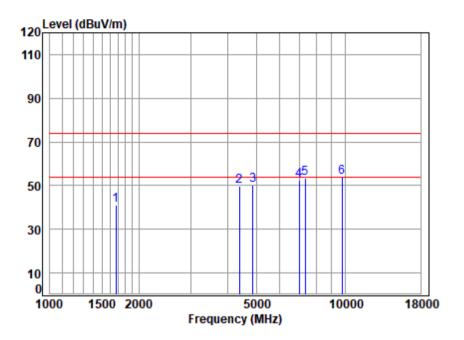


SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 77 of 158

Test Mode: 08; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:middle



Site : chamber

Condition: 3m VERTICAL

: 02542AT Job No

Mode : 2437 TX RSE

: 2.4G WIFI 11N20

|   |            |       |        | _      |       |        |        |        |        |
|---|------------|-------|--------|--------|-------|--------|--------|--------|--------|
|   |            | Cable | Ant    | Preamp | Read  |        | Limit  | 0ver   |        |
|   | Freq       | Loss  | Factor | Factor | Level | Level  | Line   | Limit  | Remark |
|   |            |       |        |        |       |        |        |        |        |
|   | MHz        | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB     |        |
|   |            |       |        |        |       |        |        |        |        |
| 1 | 1672.779   | 4.30  | 26.75  | 36.46  | 46.38 | 40.97  | 74.00  | -33.03 | peak   |
| 2 | 4392.376   | 7.05  | 33.52  | 34.60  | 43.54 | 49.51  | 74.00  | -24.49 | peak   |
| 3 | 4874.000   | 7.36  | 34.05  | 34.91  | 43.71 | 50.21  | 74.00  | -23.79 | peak   |
| 4 | 6974.982   | 8.90  | 35.75  | 35.89  | 43.88 | 52.64  | 74.00  | -21.36 | peak   |
| 5 | 7311.000   | 9.30  | 35.90  | 35.97  | 44.06 | 53.29  | 74.00  | -20.71 | peak   |
| 6 | q 9748.000 | 12.46 | 37.20  | 35.56  | 39.66 | 53.76  | 74.00  | -20.24 | peak   |



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

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

No.1 Workshop, Ib-10, Middle Section, Science & Technology Park, Narshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn

中国・广东・深圳市南山区科技园中区M-10栋1号厂房 邮编:518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

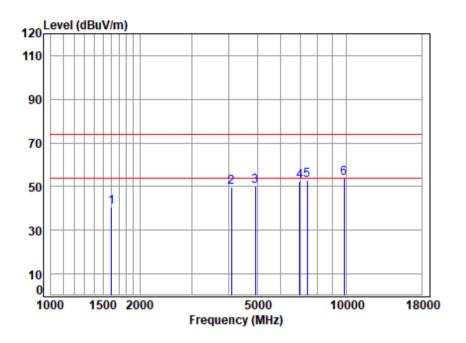


SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 78 of 158

Test Mode: 08; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Site : chamber

Condition: 3m HORIZONTAL

: 02542AT Job No

Mode : 2462 TX RSE

: 2.4G WIFI 11N20

|   |   | Freq     |       |       | Preamp<br>Factor |       | Level  |        |        | Remark |
|---|---|----------|-------|-------|------------------|-------|--------|--------|--------|--------|
|   |   | MHz      | dB    | dB/m  | dB               | dBuV  | dBuV/m | dBuV/m | dB     |        |
| 1 |   | 1601.804 | 4.20  | 26.51 | 36.63            | 46.50 | 40.58  | 74.00  | -33.42 | peak   |
| 2 |   | 4086.182 | 6.84  | 32.97 | 34.39            | 44.13 | 49.55  | 74.00  | -24.45 | peak   |
| 3 |   | 4924.000 | 7.39  | 34.15 | 34.94            | 43.52 | 50.12  | 74.00  | -23.88 | peak   |
| 4 |   | 6954.852 | 8.89  | 35.71 | 35.87            | 43.82 | 52.55  | 74.00  | -21.45 | peak   |
| 5 |   | 7386.000 | 9.39  | 35.90 | 35.98            | 43.57 | 52.88  | 74.00  | -21.12 | peak   |
| 6 | q | 9848.000 | 12.53 | 37.30 | 35.57            | 39.47 | 53.73  | 74.00  | -20.27 | peak   |



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

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

No.1 Workshop, Ib-10, Middle Section, Science & Technology Park, Narshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn 中国・广东・深圳市南山区科技园中区M-10栋1号厂房 邮编:518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

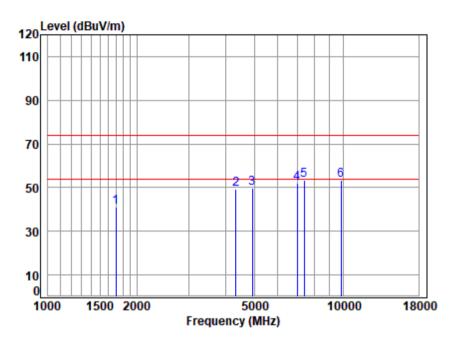


SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 79 of 158

Test Mode: 08; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Site : chamber

Condition: 3m VERTICAL

: 02542AT Job No

Mode : 2462 TX RSE

: 2.4G WIFI 11N20

|   |   |          |       |        | _      |       |        |        |        |        |
|---|---|----------|-------|--------|--------|-------|--------|--------|--------|--------|
|   |   |          | Cable | Ant    | Preamp | Read  |        | Limit  | 0ver   |        |
|   |   | Freq     | Loss  | Factor | Factor | Level | Level  | Line   | Limit  | Remark |
|   |   |          |       |        |        |       |        |        |        |        |
|   |   | MHz      | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB     |        |
|   |   |          |       |        |        |       |        |        |        |        |
| 1 |   | 1697.129 | 4.33  | 26.79  | 36.41  | 46.15 | 40.86  | 74.00  | -33.14 | peak   |
| 2 |   | 4329.354 | 7.01  | 33.60  | 34.56  | 43.01 | 49.06  | 74.00  | -24.94 | peak   |
| 3 |   | 4924.000 | 7.39  | 34.15  | 34.94  | 43.32 | 49.92  | 74.00  | -24.08 | peak   |
| 4 |   | 6974.982 | 8.90  | 35.75  | 35.89  | 43.46 | 52.22  | 74.00  | -21.78 | peak   |
| 5 |   | 7386.000 | 9.39  | 35.90  | 35.98  | 43.85 | 53.16  | 74.00  | -20.84 | peak   |
| 6 | q | 9848.000 | 12.53 | 37.30  | 35.57  | 39.05 | 53.31  | 74.00  | -20.69 | peak   |



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

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

No.1 Workshop, Ib-10, Middle Section, Science & Technology Park, Narshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn

中国・广东・深圳市南山区科技园中区M-10栋1号厂房 邮编:518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

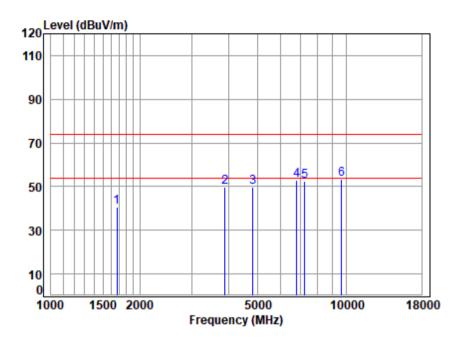


SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 80 of 158

Test Mode: 08; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Site : chamber

Condition: 3m HORIZONTAL

: 02542AT Job No

Mode : 2412 TX RSE

: 2.4G WIFI 11AX20

|   |   |          | Cable | Ant    | Preamp | Read  |        | Limit  | 0ver   |        |
|---|---|----------|-------|--------|--------|-------|--------|--------|--------|--------|
|   |   | Freq     | Loss  | Factor | Factor | Level | Level  | Line   | Limit  | Remark |
|   | _ |          |       |        |        |       |        |        |        |        |
|   |   | MHz      | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB     |        |
|   |   |          |       |        |        |       |        |        |        |        |
| 1 |   | 1672.779 | 4.30  | 26.75  | 36.46  | 46.07 | 40.66  | 74.00  | -33.34 | peak   |
| 2 |   | 3890.255 | 6.66  | 32.62  | 34.44  | 44.70 | 49.54  | 74.00  | -24.46 | peak   |
| 3 |   | 4824.000 | 7.33  | 33.90  | 34.88  | 43.60 | 49.95  | 74.00  | -24.05 | peak   |
| 4 |   | 6795.879 | 8.78  | 35.50  | 35.74  | 44.29 | 52.83  | 74.00  | -21.17 | peak   |
| 5 |   | 7236.000 | 9.21  | 35.80  | 35.95  | 43.20 | 52.26  | 74.00  | -21.74 | peak   |
| 6 | q | 9648.000 | 12.39 | 37.10  | 35.55  | 39.63 | 53.57  | 74.00  | -20.43 | peak   |



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

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

No.1 Workshop, Ib-10, Middle Section, Science & Technology Park, Narshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn 中国・广东・深圳市南山区科技园中区M-10栋1号厂房 邮编:518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

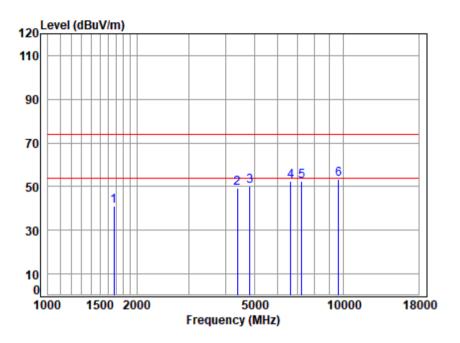


SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 81 of 158

Test Mode: 08; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Site : chamber

Condition: 3m VERTICAL

: 02542AT Job No

Mode : 2412 TX RSE

: 2.4G WIFI 11AX20

|   |   | Freq     |       |       | Preamp<br>Factor |       |        |        |        | Remark |
|---|---|----------|-------|-------|------------------|-------|--------|--------|--------|--------|
|   |   | MHz      | dB    | dB/m  | dB               | dBuV  | dBuV/m | dBuV/m | dB     |        |
| 1 |   | 1672.779 | 4.30  | 26.75 | 36.46            | 46.66 | 41.25  | 74.00  | -32.75 | peak   |
| 2 |   | 4392.376 | 7.05  | 33.52 | 34.60            | 43.19 | 49.16  | 74.00  | -24.84 | peak   |
| 3 |   | 4824.000 | 7.33  | 33.90 | 34.88            | 43.92 | 50.27  | 74.00  | -23.73 | peak   |
| 4 |   | 6640.542 | 8.66  | 35.60 | 35.61            | 44.01 | 52.66  | 74.00  | -21.34 | peak   |
| 5 |   | 7236.000 | 9.21  | 35.80 | 35.95            | 43.64 | 52.70  | 74.00  | -21.30 | peak   |
| 6 | q | 9648.000 | 12.39 | 37.10 | 35.55            | 39.37 | 53.31  | 74.00  | -20.69 | peak   |



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

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

No.1 Workshop, Ib-10, Middle Section, Science & Technology Park, Narshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn

中国・广东・深圳市南山区科技园中区M-10栋1号厂房 邮编:518057

t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

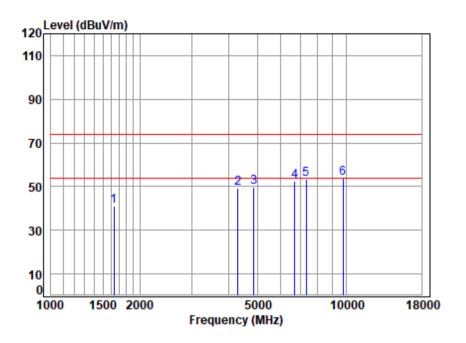


SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 82 of 158

Test Mode: 08; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:middle



Site : chamber

Condition: 3m HORIZONTAL

: 02542AT Job No

Mode : 2437 TX RSE

: 2.4G WIFI 11AX20

|   |   |          | Cable | Ant    | Preamp | Read  |        | Limit  | 0ver   |        |
|---|---|----------|-------|--------|--------|-------|--------|--------|--------|--------|
|   |   | Freq     | Loss  | Factor | Factor | Level | Level  | Line   | Limit  | Remark |
|   |   |          |       |        |        |       |        |        |        |        |
|   |   | MHz      | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB     |        |
|   |   |          |       |        |        |       |        |        |        |        |
| 1 |   | 1634.543 | 4.25  | 26.64  | 36.55  | 46.79 | 41.13  | 74.00  | -32.87 | peak   |
| 2 |   | 4304.400 | 6.99  | 33.60  | 34.54  | 43.37 | 49.42  | 74.00  | -24.58 | peak   |
| 3 |   | 4874.000 | 7.36  | 34.05  | 34.91  | 43.22 | 49.72  | 74.00  | -24.28 | peak   |
| 4 |   | 6698.373 | 8.71  | 35.60  | 35.66  | 43.89 | 52.54  | 74.00  | -21.46 | peak   |
| 5 |   | 7311.000 | 9.30  | 35.90  | 35.97  | 44.04 | 53.27  | 74.00  | -20.73 | peak   |
| 6 | q | 9748.000 | 12.46 | 37.20  | 35.56  | 39.68 | 53.78  | 74.00  | -20.22 | peak   |



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

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

No.1 Workshop, Ib-10, Middle Section, Science & Technology Park, Narshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn

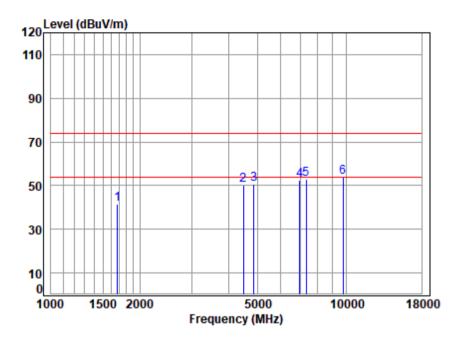


SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 83 of 158

Test Mode: 08; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:middle



Site : chamber

Condition: 3m VERTICAL

: 02542AT Job No

Mode : 2437 TX RSE

: 2.4G WIFI 11AX20

|     |          | Cable | Ant    | Preamp | Read  |        | Limit  | 0ver   |        |
|-----|----------|-------|--------|--------|-------|--------|--------|--------|--------|
|     | Freq     | Loss  | Factor | Factor | Level | Level  | Line   | Limit  | Remark |
|     |          |       |        |        |       |        |        |        |        |
|     | MHz      | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB     |        |
|     |          |       |        |        |       |        |        |        |        |
| 1   | 1682.477 | 4.31  | 26.77  | 36.44  | 46.66 | 41.30  | 74.00  | -32.70 | peak   |
| 2   | 4482.150 | 7.11  | 33.50  | 34.66  | 44.18 | 50.13  | 74.00  | -23.87 | peak   |
| 3   | 4874.000 | 7.36  | 34.05  | 34.91  | 44.03 | 50.53  | 74.00  | -23.47 | peak   |
| 4   | 6954.852 | 8.89  | 35.71  | 35.87  | 43.67 | 52.40  | 74.00  | -21.60 | peak   |
| 5   | 7311.000 | 9.30  | 35.90  | 35.97  | 43.87 | 53.10  | 74.00  | -20.90 | peak   |
| 6 ( | 9748.000 | 12.46 | 37.20  | 35.56  | 39.55 | 53.65  | 74.00  | -20.35 | peak   |



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

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

No.1 Workshop, Ib-10, Middle Section, Science & Technology Park, Narshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn

中国・广东・深圳市南山区科技园中区M-10栋1号厂房 邮编:518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com Member of the SGS Group (SGS SA)

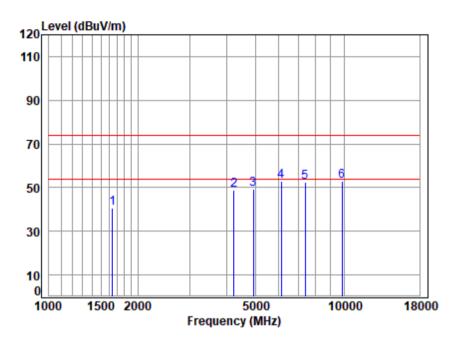


SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 84 of 158

Test Mode: 08; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Site : chamber

Condition: 3m HORIZONTAL

: 02542AT Job No

Mode : 2462 TX RSE

: 2.4G WIFI 11AX20

|   |   |          | Cable | Ant    | Preamp | Read  |        | Limit  | 0ver   |        |
|---|---|----------|-------|--------|--------|-------|--------|--------|--------|--------|
|   |   | Freq     | Loss  | Factor | Factor | Level | Level  | Line   | Limit  | Remark |
|   |   |          |       |        |        |       |        |        |        |        |
|   |   | MHz      | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB     |        |
|   |   |          |       |        |        |       |        |        |        |        |
| 1 |   | 1644.019 | 4.26  | 26.68  | 36.53  | 46.20 | 40.61  | 74.00  | -33.39 | peak   |
| 2 |   | 4230.396 | 6.94  | 33.52  | 34.49  | 43.00 | 48.97  | 74.00  | -25.03 | peak   |
| 3 |   | 4924.000 | 7.39  | 34.15  | 34.94  | 42.84 | 49.44  | 74.00  | -24.56 | peak   |
| 4 |   | 6124.292 | 8.27  | 35.15  | 35.16  | 44.63 | 52.89  | 74.00  | -21.11 | peak   |
| 5 |   | 7386.000 | 9.39  | 35.90  | 35.98  | 43.37 | 52.68  | 74.00  | -21.32 | peak   |
| 6 | q | 9848.000 | 12.53 | 37.30  | 35.57  | 38.74 | 53.00  | 74.00  | -21.00 | peak   |



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

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

No.1 Workshop, Ib-10, Middle Section, Science & Technology Park, Narshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn 中国・广东・深圳市南山区科技园中区M-10栋1号厂房 邮编:518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

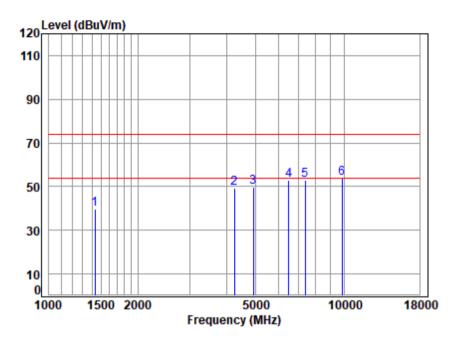


SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 85 of 158

Test Mode: 08; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Site : chamber

Condition: 3m VERTICAL

: 02542AT Job No

Mode : 2462 TX RSE

: 2.4G WIFI 11AX20

|   |   |          | Cable | Ant    | Preamp | Read  |        | Limit  | 0ver   |        |  |  |
|---|---|----------|-------|--------|--------|-------|--------|--------|--------|--------|--|--|
|   |   | Freq     | Loss  | Factor | Factor | Level | Level  | Line   | Limit  | Remark |  |  |
|   |   |          |       |        |        |       |        |        |        |        |  |  |
|   |   | MHz      | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB     |        |  |  |
|   |   |          |       |        |        |       |        |        |        |        |  |  |
| 1 |   | 1435.189 | 3.97  | 25.14  | 37.04  | 47.71 | 39.78  | 74.00  | -34.22 | peak   |  |  |
| 2 |   | 4254.921 | 6.96  | 33.60  | 34.51  | 43.08 | 49.13  | 74.00  | -24.87 | peak   |  |  |
| 3 |   |          |       |        | 34.94  |       |        |        |        | •      |  |  |
| 4 |   | 6488.754 |       |        |        |       |        |        |        | •      |  |  |
| 5 |   | 7386.000 |       |        |        |       |        |        |        | •      |  |  |
| 6 | q | 9848.000 |       |        |        |       |        |        |        | •      |  |  |



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

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

No.1 Workshop, Ib-10, Middle Section, Science & Technology Park, Narshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 86 of 158

#### **Test Setup Photo** 8

Refer to Appendix - Test Setup Photo for SZCR2308002542AT

#### **EUT Constructional Details (EUT Photos)** 9

Refer to External and Internal Photos for SZCR2308002542AT



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

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

No.1 Workshop, Ib-10, Middle Section, Science & Technology Park, Narshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn 中国・广东・深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 87 of 158

# 10 Appendix

1. Duty Cycle

1.1 Ant1

#### 1.1.1 Test Result

|                     |            |                    |       |           |              | Ant1           |                   |                                      |                          |
|---------------------|------------|--------------------|-------|-----------|--------------|----------------|-------------------|--------------------------------------|--------------------------|
| Mode                | TX<br>Type | Frequency<br>(MHz) | RU    | RU<br>Pos | T_on<br>(ms) | Period<br>(ms) | Duty Cycle<br>(%) | Duty Cycle<br>Correction Factor (dB) | Max. DC<br>Variation (%) |
|                     | SISO       | 2412               | /     | /         | 8.416        | 8.510          | 98.90             | 0.05                                 | 0.04                     |
| 802.11b             |            | 2437               | /     | /         | 8.417        | 8.510          | 98.91             | 0.05                                 | 0.00                     |
|                     |            | 2462               | /     | /         | 8.417        | 8.510          | 98.91             | 0.05                                 | 0.00                     |
|                     | SISO       | 2412               | /     | /         | 1.397        | 1.496          | 93.38             | 0.30                                 | 0.03                     |
| 802.11g             |            | 2437               | /     | /         | 1.397        | 1.496          | 93.38             | 0.30                                 | 0.03                     |
|                     |            | 2462               | /     | /         | 1.397        | 1.495          | 93.44             | 0.29                                 | 0.03                     |
| 000.44              | МІМО       | 2412               | /     | /         | 1.309        | 1.408          | 92.97             | 0.32                                 | 0.03                     |
| 802.11n<br>(HT20)   |            | 2437               | /     | /         | 1.309        | 1.408          | 92.97             | 0.32                                 | 0.03                     |
| (11120)             |            | 2462               | /     | /         | 1.308        | 1.408          | 92.90             | 0.32                                 | 0.03                     |
| 000 44              |            | 2412               | RU242 | Left      | 1.021        | 1.120          | 91.16             | 0.40                                 | 0.04                     |
| 802.11ax<br>(HEW20) | МІМО       | 2437               | RU242 | Left      | 1.022        | 1.121          | 91.17             | 0.40                                 | 0.03                     |
| (1127720)           |            | 2462               | RU242 | Left      | 1.022        | 1.121          | 91.17             | 0.40                                 | 0.03                     |



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

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

No.1 Workshop, Ni-10, Niddle Section, Science & Technology Park, Narshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn

中国・广东・深圳市南山区科技园中区M-10栋1号厂房 邮编:518057 t (86-755)26012053 f (86-755)26710594 sgs.china@sgs.com

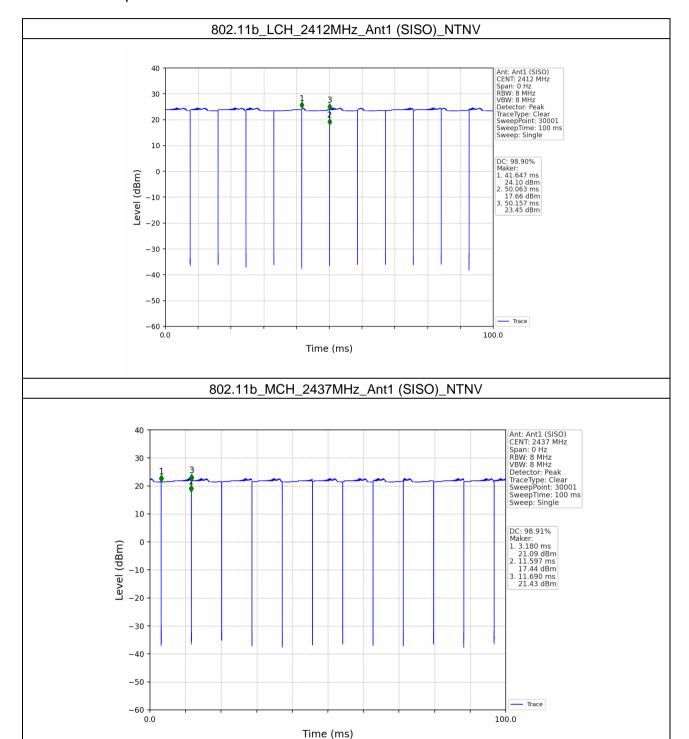


SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 88 of 158

### 1.1.2 Test Graph





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

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

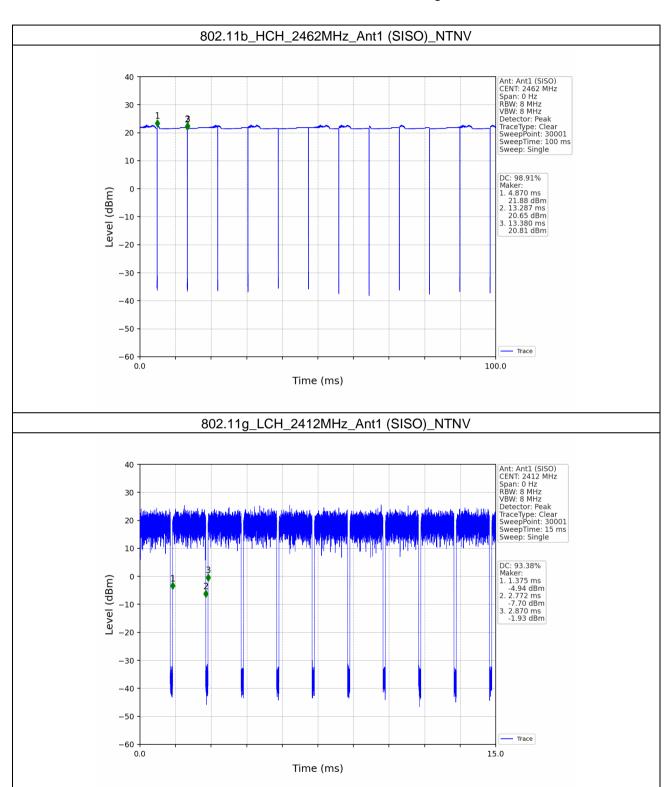
No.1 Workshop, Ib-10, Middle Section, Science & Technology Park, Narshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn 中国・广东・深圳市南山区科技园中区M-10栋1号厂房 邮编:518057 t (86-755)26012053 f (86-755)26710594 sgs.china@sgs.com



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 89 of 158





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

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

No.1 Workshop, Ib-10, Middle Section, Science & Technology Park, Narshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn

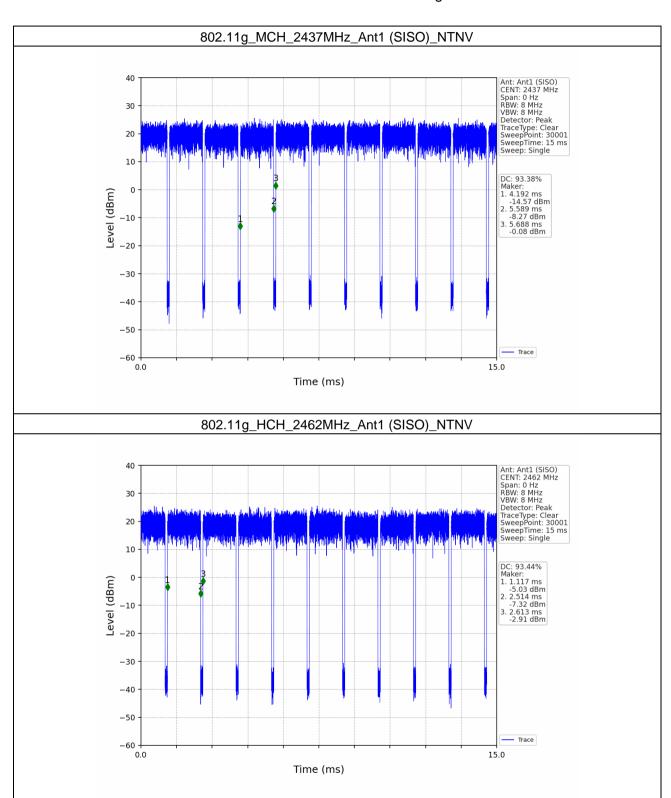
中国・广东・深圳市南山区科技园中区M-10栋1号厂房 邮编:518057 t (86-755)26012053 f (86-755)26710594 sgs.china@sgs.com



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 90 of 158





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

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

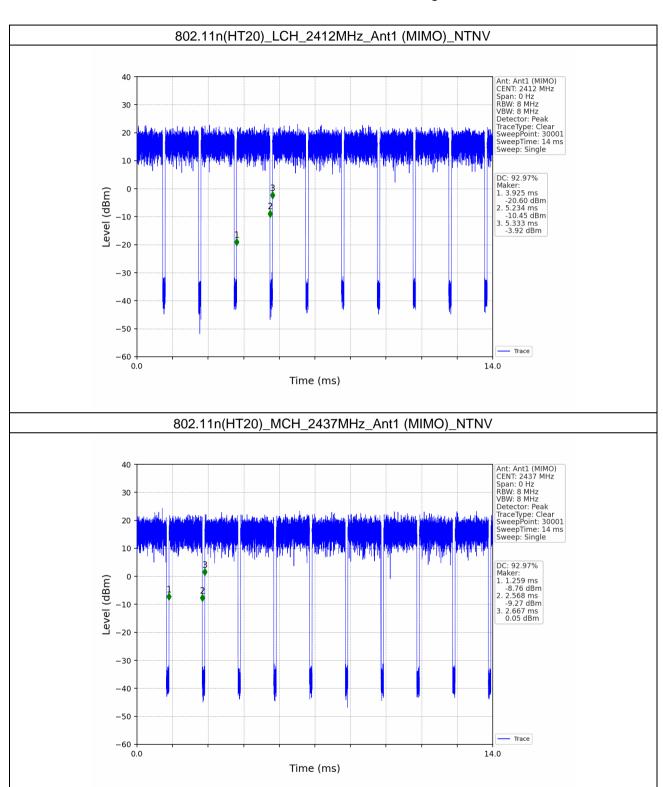
No.1 Workshop, Ib-10, Middle Section, Science & Technology Park, Narshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 91 of 158





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

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

No.1 Workshop, Ib-10, Middle Section, Science & Technology Park, Narshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn

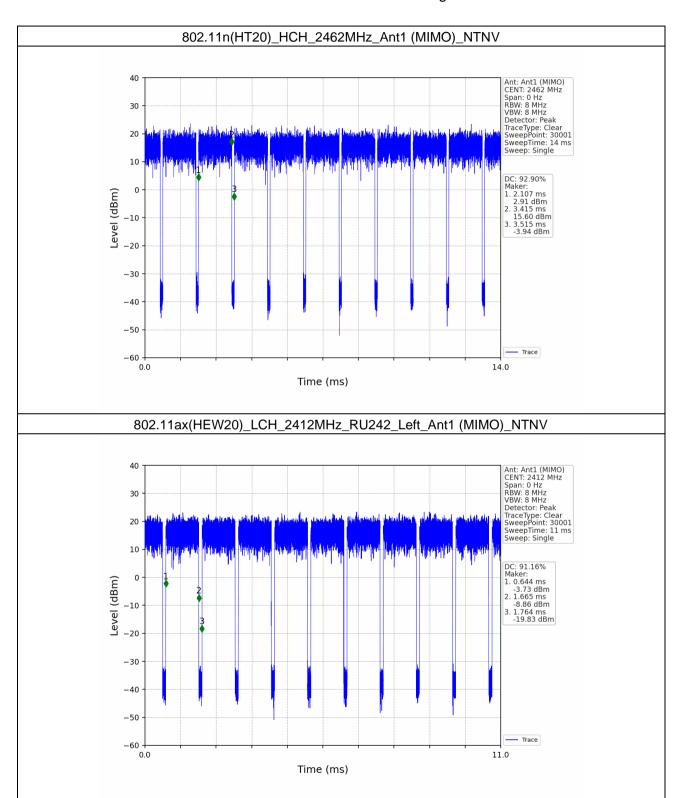
中国・广东・深圳市南山区科技园中区M-10栋1号厂房 邮编:518057 t (86-755)26012053 f (86-755)26710594 sgs.china@sgs.com



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 92 of 158





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

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

No.1 Workshop, Ib-10, Middle Section, Science & Technology Park, Narshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn

中国・广东・深圳市南山区科技园中区M-10栋1号厂房 邮编:518057

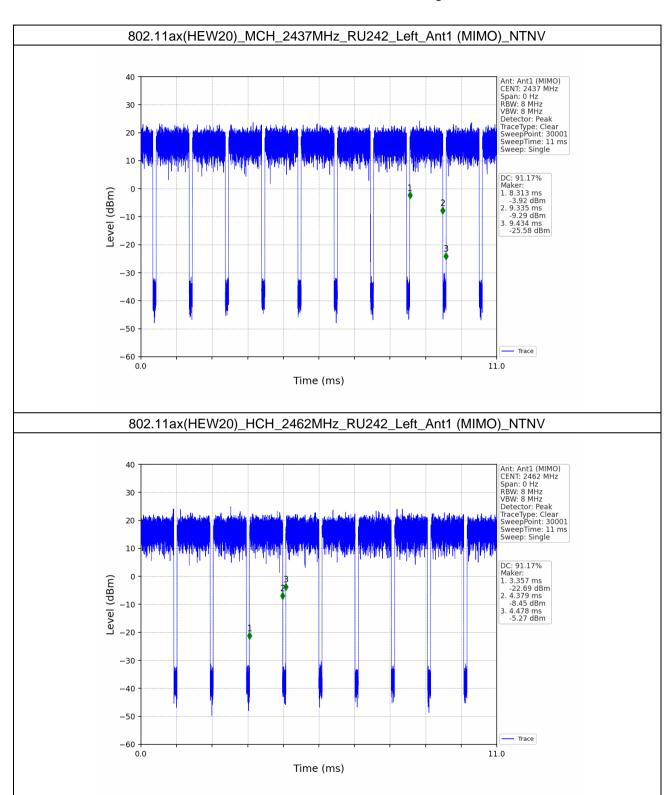
t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 93 of 158





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

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

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sg.s.com
| Not Worksph, I.M. Middle Section, Secretar Park James Park Jam



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 94 of 158

### 2. Bandwidth

### 2.1 OBW

#### 2.1.1 Test Result

| Mode                | TX<br>Type | Frequency<br>(MHz)                    | RU    | RU<br>Pos | ANT   | 99% Occupied Bandwidth<br>(MHz)<br>Result | Verdict |        |      |  |  |  |  |      |   |   |   |
|---------------------|------------|---------------------------------------|-------|-----------|-------|---|---------|--------|------|--|--|--|--|------|---|---|---|
|                     | SISO       | 2412                                  | /     | /         | 1     | 11.164                                    | Pass    |        |      |  |  |  |  |      |   |   |   |
| 802.11b             |            | 2437                                  | /     | /         | 1     | 11.060                                    | Pass    |        |      |  |  |  |  |      |   |   |   |
|                     |            | 2462                                  | /     | /         | 1     | 11.155                                    | Pass    |        |      |  |  |  |  |      |   |   |   |
|                     | SISO       |                                       | 2412  | /         | /     | 1   | 18.352  | Pass   |      |  |  |  |  |      |   |   |   |
| 802.11g             |            | 2437                                  | /     | /         | 1     | 18.931                                    | Pass    |        |      |  |  |  |  |      |   |   |   |
|                     |            | 2462                                  | /     | /         | 1     | 18.522                                    | Pass    |        |      |  |  |  |  |      |   |   |   |
| 000.44              | MIMO       | 2412                                  | /     | /         | 1     | 18.950                                    | Pass    |        |      |  |  |  |  |      |   |   |   |
| 802.11n<br>(HT20)   |            | MIMO                                  | 2437  | /         | /     | 1   | 18.891  | Pass   |      |  |  |  |  |      |   |   |   |
| (11120)             |            |                                       |       |           |       |   |         |        |      |  |  |  |  | 2462 | / | / | 1 |
| 000.44              | MIMO       | -1 $-1$ $-1$ $-1$ $-1$ $-1$ $-1$ $-1$ | 2412  | RU242     | Left  | 1   | 19.233  | Pass   |      |  |  |  |  |      |   |   |   |
| 802.11ax<br>(HEW20) |            |                                       | MIMO  | 2437      | RU242 | Left                                      | 1       | 19.214 | Pass |  |  |  |  |      |   |   |   |
| (112 7720)          |            | 2462                                  | RU242 | Left      | 1     | 19.199                                    | Pass    |        |      |  |  |  |  |      |   |   |   |



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

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

No.1 Workshop, Ib-10, Middle Section, Science & Technology Park, Narshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn 中国・广东・深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

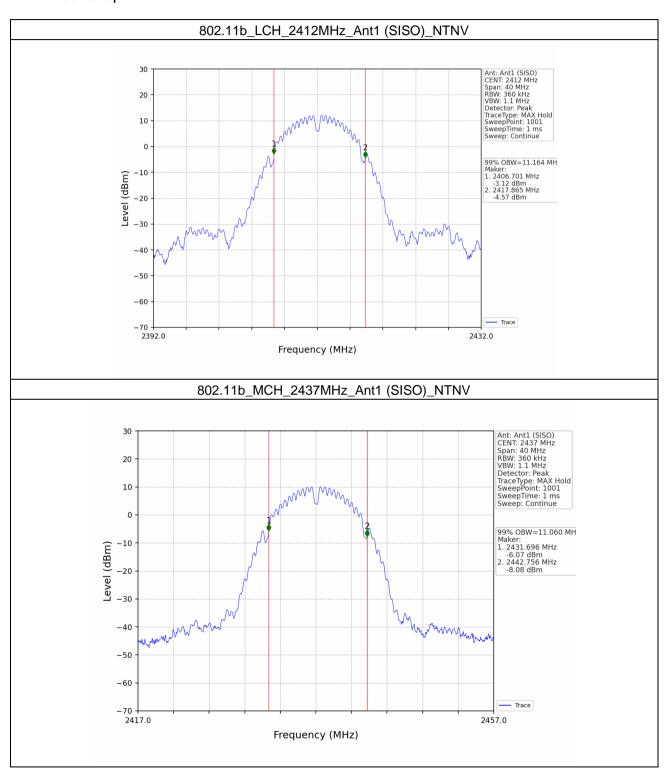


SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 95 of 158

### 2.1.2 Test Graph





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

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

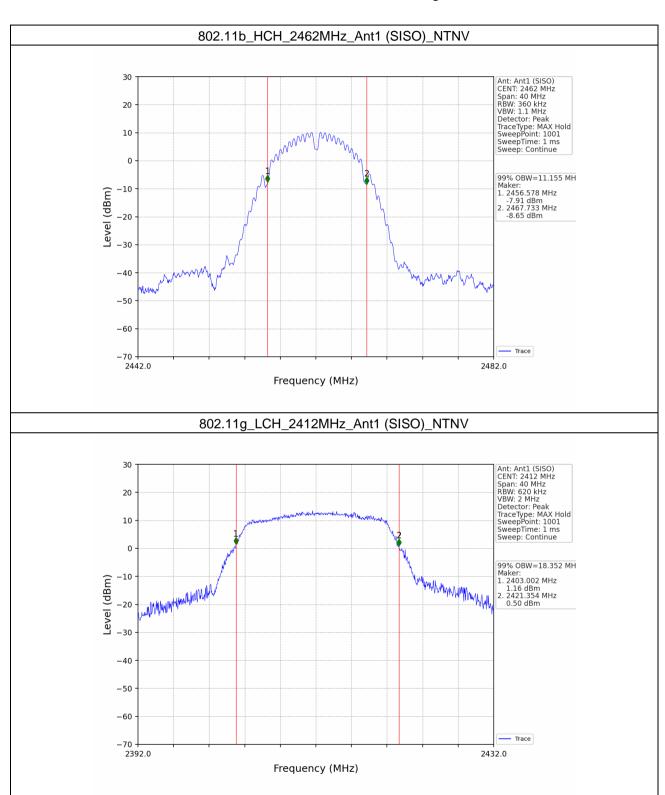
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN\_Doccheck@sgs.com
|No.1 Mortshop, Inf. | Middle Section, Science & Technology Park, Nashan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国・广东・深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 96 of 158





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

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

中国・广东・深圳市南山区科技园中区M-10栋1号厂房 邮编:518057 t (86-755)26012053 f (86-755)26710594 sgs.china@sgs.com

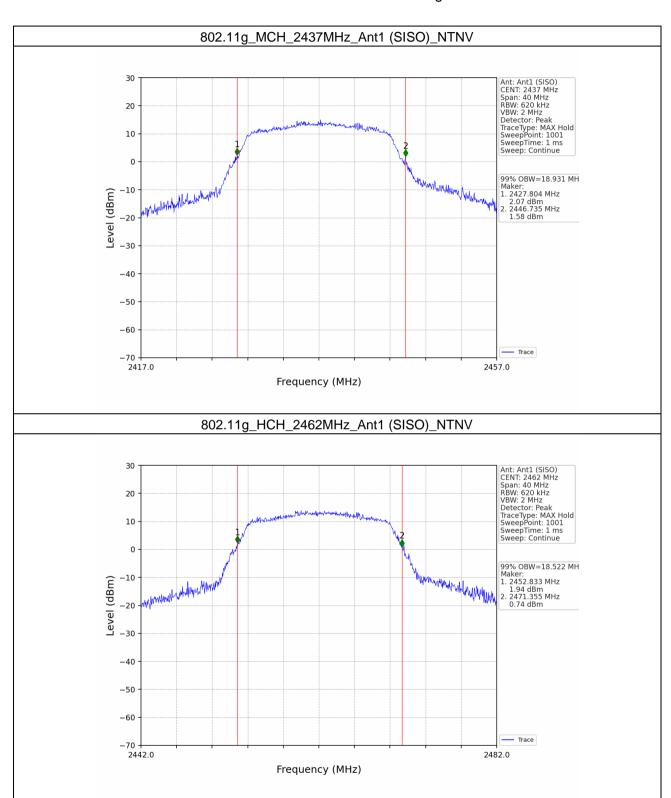
No.1 Workshop, Ib-10, Middle Section, Science & Technology Park, Narshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 97 of 158





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

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

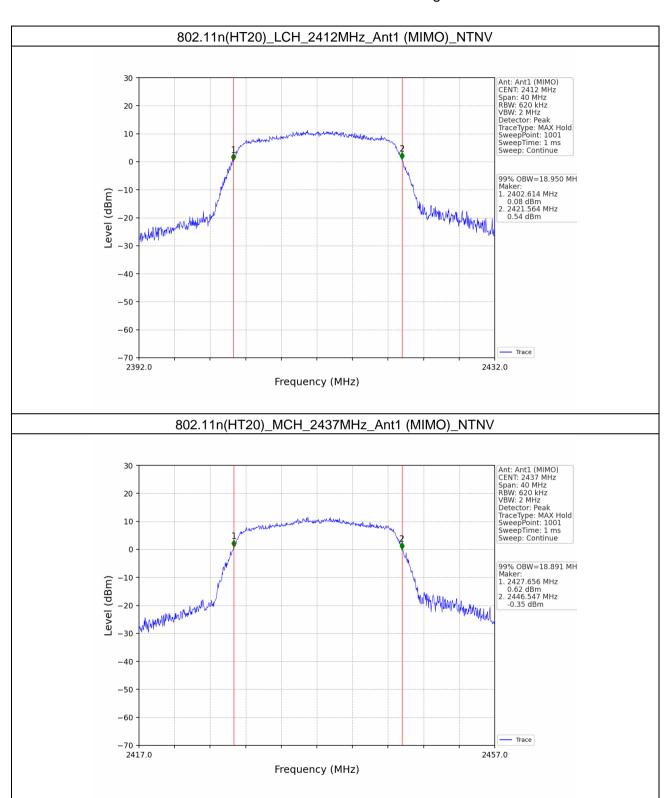
No.1 Workshop, Ib-10, Middle Section, Science & Technology Park, Narshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn 中国・广东・深圳市南山区科技园中区M-10栋1号厂房 邮编:518057 t (86-755)26012053 f (86-755)26710594 sgs.china@sgs.com



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 98 of 158





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

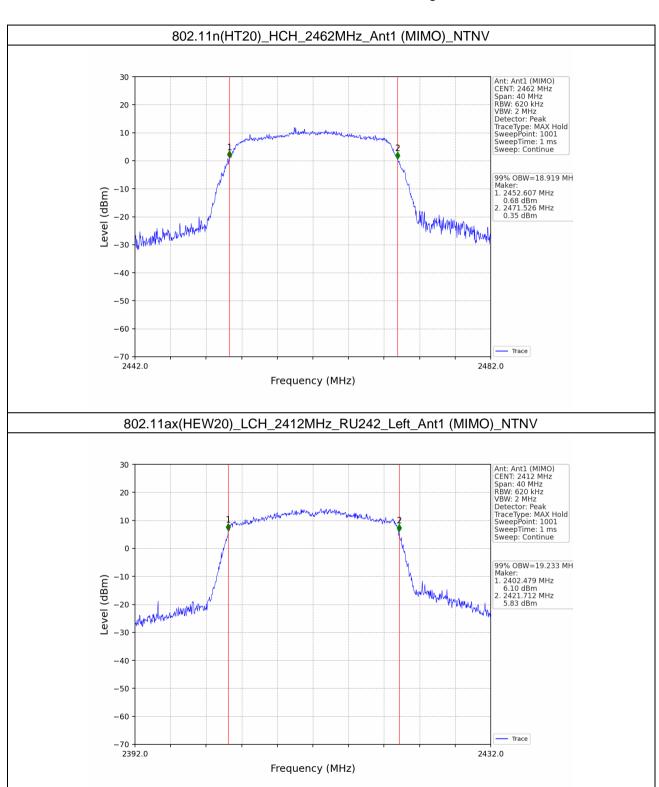
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN\_Doccheck@gs.com"



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 99 of 158





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

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

No.1 Workshop, Ib-10, Middle Section, Science & Technology Park, Narshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn

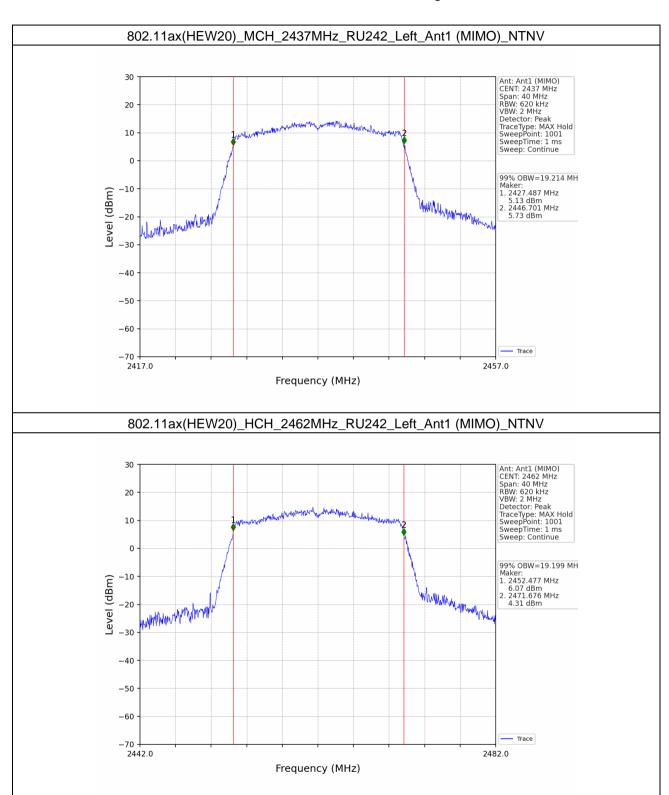
中国・广东・深圳市南山区科技园中区M-10栋1号厂房 邮编:518057 t (86-755)26012053 f (86-755)26710594 sgs.china@sgs.com



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 100 of 158





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

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

No.1 Workshop, Ib-10, Middle Section, Science & Technology Park, Narshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn

中国・广东・深圳市南山区科技园中区M-10栋1号厂房 邮编:518057 t (86-755)26012053 f (86-755)26710594 sgs.china@sgs.com



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 101 of 158

#### 2.2 6dB BW

#### 2.2.1 Test Result

| Mode                | TX   | Frequency | RU    | RU<br>Pos | ANT  | 6dB Bandw | Verdict |         |
|---------------------|------|-----------|-------|-----------|------|-----------|---------|---------|
| iviode              | Type | (MHz)     | K     |           | AINT | Result    | Limit   | verdict |
|                     | SISO | 2412      | /     | /         | 1    | 7.582     | >=0.5   | Pass    |
| 802.11b             |      | 2437      | /     | /         | 1    | 8.015     | >=0.5   | Pass    |
|                     |      | 2462      | /     | /         | 1    | 7.122     | >=0.5   | Pass    |
|                     |      | 2412      | /     | /         | 1    | 16.378    | >=0.5   | Pass    |
| 802.11g             | SISO | 2437      | /     | /         | 1    | 16.362    | >=0.5   | Pass    |
|                     |      | 2462      | /     | /         | 1    | 16.376    | >=0.5   | Pass    |
| 000.44              | МІМО | 2412      | /     | /         | 1    | 17.606    | >=0.5   | Pass    |
| 802.11n<br>(HT20)   |      | 2437      | /     | /         | 1    | 17.590    | >=0.5   | Pass    |
| (11120)             |      | 2462      | /     | /         | 1    | 17.614    | >=0.5   | Pass    |
|                     |      | 2412      | RU242 | Left      | 1    | 18.762    | >=0.5   | Pass    |
| 802.11ax<br>(HEW20) | MIMO | 2437      | RU242 | Left      | 1    | 18.604    | >=0.5   | Pass    |
| (1127720)           |      | 2462      | RU242 | Left      | 1    | 18.725    | >=0.5   | Pass    |



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

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

No.1 Workshop, Ni-10, Niddle Section, Science & Technology Park, Narshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn 中国・广东・深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

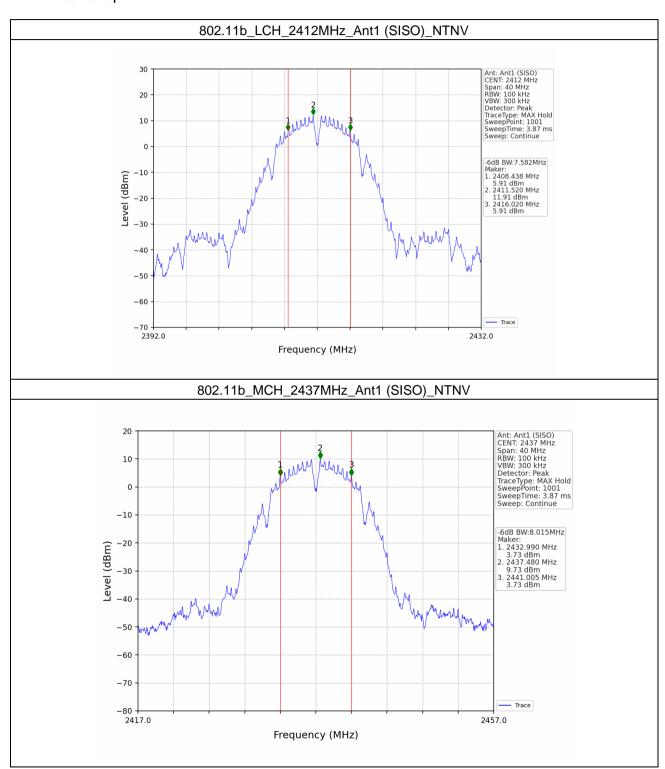


SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 102 of 158

### 2.2.2 Test Graph





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

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

No.1 Workshop, Ib-10, Middle Section, Science & Technology Park, Narshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn

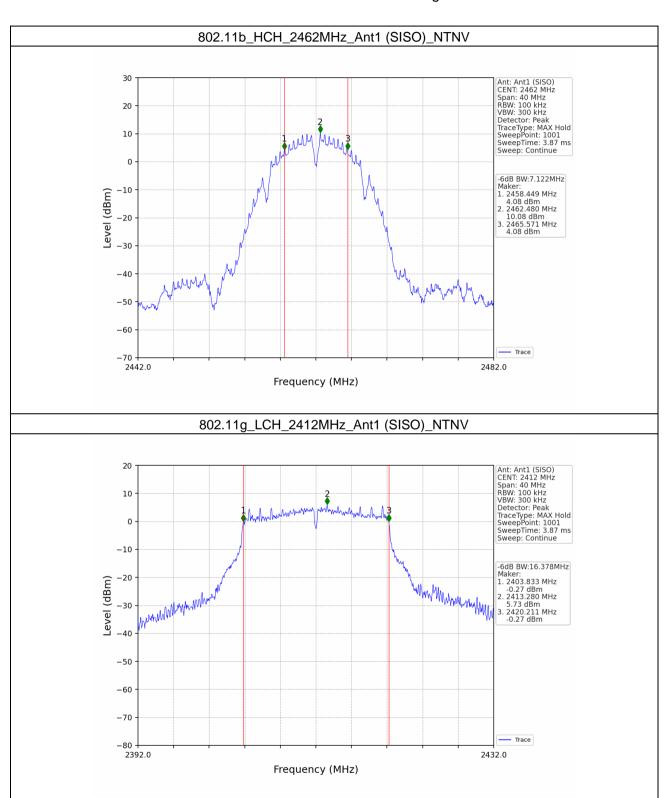
中国・广东・深圳市南山区科技园中区M-10栋1号厂房 邮编:518057 t (86-755)26012053 f (86-755)26710594 sgs.china@sgs.com



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 103 of 158





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

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

No.1 Workshop, Ib-10, Middle Section, Science & Technology Park, Narshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn

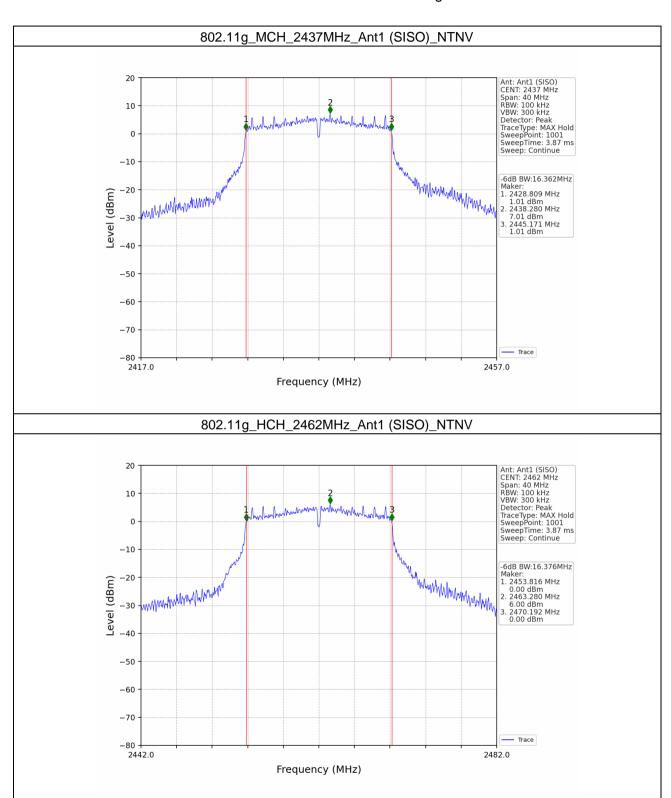
中国・广东・深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 104 of 158





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

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

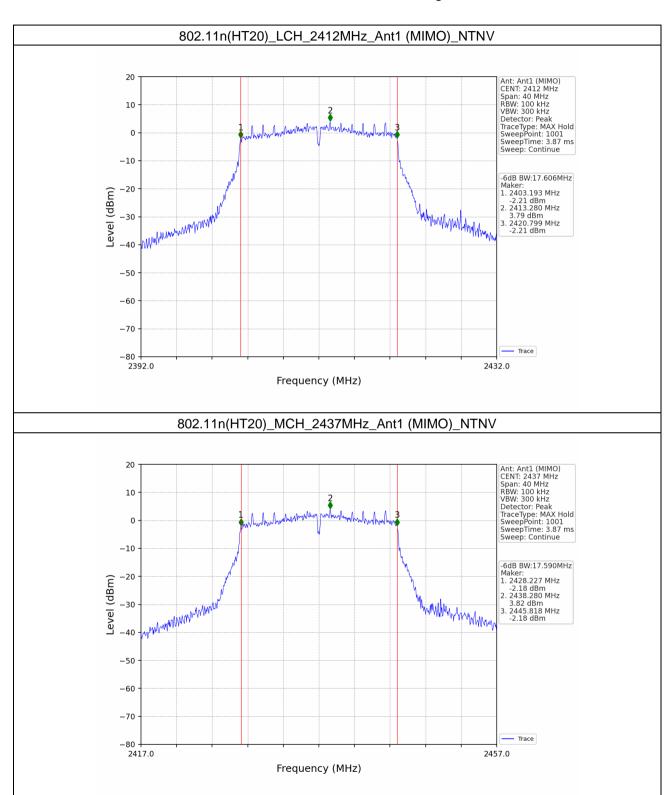
No.1 Workshop, Ib-10, Middle Section, Science & Technology Park, Narshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn 中国・广东・深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 105 of 158





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

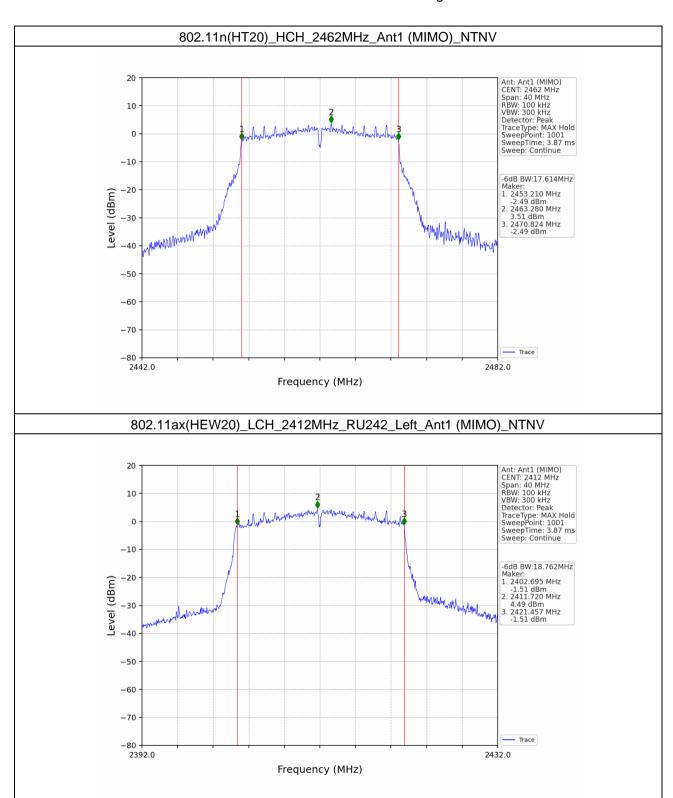
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN\_Doccheck@gs.com"



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 106 of 158





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

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

No.1 Workshop, Ib-10, Middle Section, Science & Technology Park, Narshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn

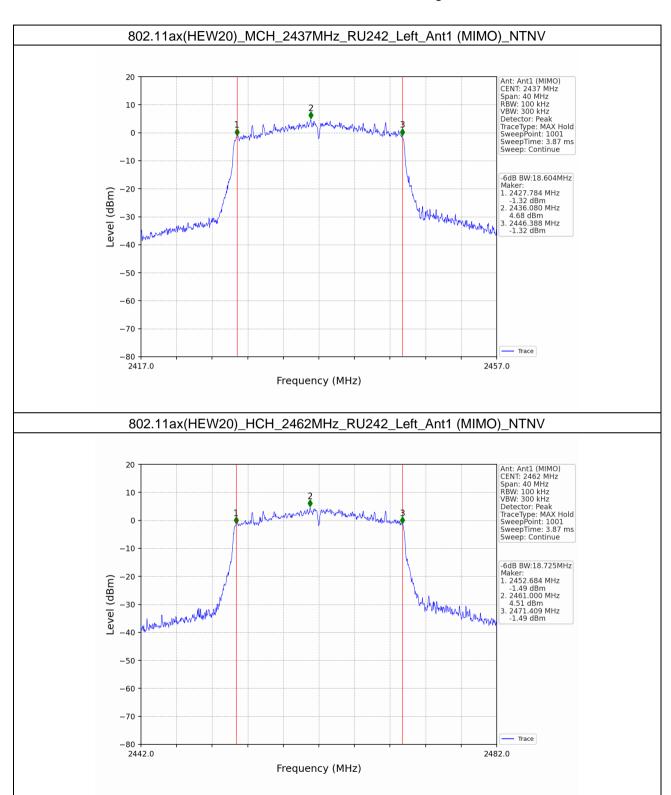
中国・广东・深圳市南山区科技园中区M-10栋1号厂房 邮编:518057 t (86-755)26012053 f (86-755)26710594 sgs.china@sgs.com



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 107 of 158





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

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

No.1 Workshop, Ib-10, Middle Section, Science & Technology Park, Narshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn 中国・广东・深圳市南山区科技园中区M-10栋1号厂房 邮编:518057 t (86-755)26012053 f (86-755)26710594 sgs.china@sgs.com



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 108 of 158

### 3. Maximum Conducted Output Power

### 3.1 Power

#### 3.1.1 Test Result

| Mode                | TX<br>Type | Frequency  | RU    | RU   | Maximum | Verdict |       |       |      |      |
|---------------------|------------|------------|-------|------|---------|---------|-------|-------|------|------|
|                     |            | (MHz)      |       | Pos  | ANT1    | ANT2    | MIMO  | Limit |      |      |
|                     | SISO       | 2412       | /     | /    | 17.34   | 16.99   | /     | <=30  | Pass |      |
| 802.11b             |            | 2437       | /     | /    | 17.36   | 17.22   | /     | <=30  | Pass |      |
|                     |            | 2462       | /     | /    | 17.54   | 17.86   | /     | <=30  | Pass |      |
|                     | SISO       |            | 2412  | /    | /       | 18.16   | 15.03 | /     | <=30 | Pass |
| 802.11g             |            | 2437       | /     | /    | 18.70   | 15.49   | /     | <=30  | Pass |      |
|                     |            | 2462       | /     | /    | 17.75   | 15.55   | /     | <=30  | Pass |      |
| 000.44              | MIMO       | 2412       | /     | /    | 15.51   | 12.37   | 17.23 | <=30  | Pass |      |
| 802.11n<br>(HT20)   |            | HT20) MIMO | 2437  | /    | /       | 15.32   | 12.30 | 17.08 | <=30 | Pass |
| (11120)             |            |            | 2462  | /    | /       | 15.21   | 12.86 | 17.20 | <=30 | Pass |
| 000.44              |            | 2412       | RU242 | Left | 15.97   | 12.85   | 17.69 | <=30  | Pass |      |
| 802.11ax<br>(HEW20) | MIMO       | 2437       | RU242 | Left | 15.85   | 12.94   | 17.64 | <=30  | Pass |      |
| (1127720)           |            | 2462       | RU242 | Left | 15.91   | 13.60   | 17.92 | <=30  | Pass |      |



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

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

No.1 Workshop, IM-10, Middle Section, Science & Technology Park, Narshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 109 of 158

#### 4. Maximum Power Spectral Density

#### 4.1 PSD

#### 4.1.1 Test Result

| Mode                | TX<br>Type | Frequency<br>(MHz) | RU    | RU<br>Pos | Maximum PSD (dBm/3kHz) |        |       |       | Vordict |
|---------------------|------------|--------------------|-------|-----------|------------------------|--------|-------|-------|---------|
|                     |            |                    |       |           | ANT1                   | ANT2   | MIMO  | Limit | Verdict |
| 802.11b             | SISO       | 2412               | /     | /         | -4.91                  | -4.09  | /     | <=8   | Pass    |
|                     |            | 2437               | /     | /         | -4.50                  | -5.38  | /     | <=8   | Pass    |
|                     |            | 2462               | /     | /         | -2.74                  | -4.57  | /     | <=8   | Pass    |
| 802.11g             | SISO       | 2412               | /     | /         | -6.87                  | -9.53  | /     | <=8   | Pass    |
|                     |            | 2437               | /     | /         | -6.23                  | -9.34  | /     | <=8   | Pass    |
|                     |            | 2462               | /     | /         | -6.69                  | -9.21  | /     | <=8   | Pass    |
| 802.11n<br>(HT20)   | MIMO       | 2412               | /     | /         | -9.92                  | -13.37 | -8.59 | <=8   | Pass    |
|                     |            | 2437               | /     | /         | -9.71                  | -12.75 | -8.94 | <=8   | Pass    |
|                     |            | 2462               | /     | /         | -9.68                  | -12.40 | -7.94 | <=8   | Pass    |
| 802.11ax<br>(HEW20) | MIMO       | 2412               | RU242 | Left      | -9.79                  | -13.48 | -8.59 | <=8   | Pass    |
|                     |            | 2437               | RU242 | Left      | -9.68                  | -11.21 | -8.42 | <=8   | Pass    |
|                     |            | 2462               | RU242 | Left      | -7.34                  | -12.15 | -6.73 | <=8   | Pass    |



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

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

No.1 Workshop, Ib-10, Middle Section, Science & Technology Park, Narshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn

中国・广东・深圳市南山区科技园中区M-10栋1号厂房 邮编:518057 t (86-755)26012053 f (86-755)26710594 sgs.china@sgs.com

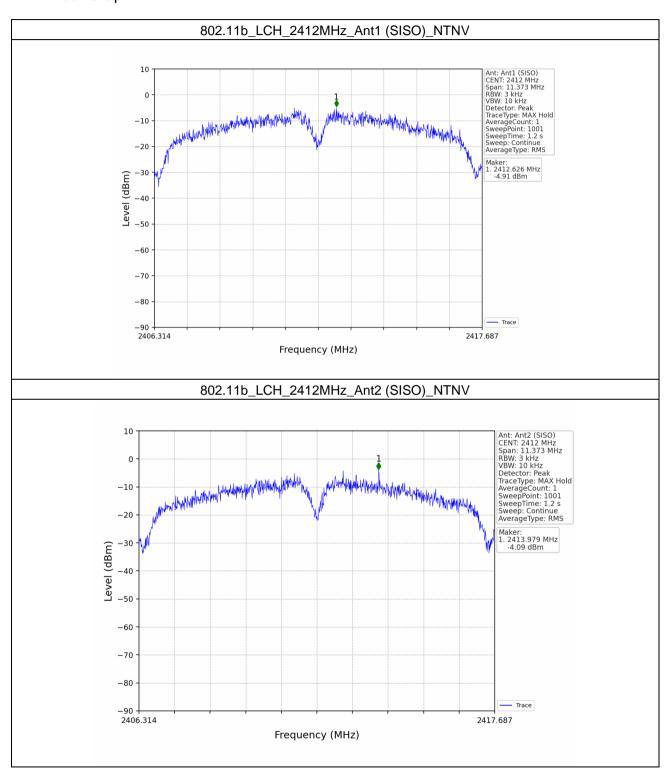


SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 110 of 158

#### 4.1.2 Test Graph





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

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

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

Not. Wortshop, II-10, Niddle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn

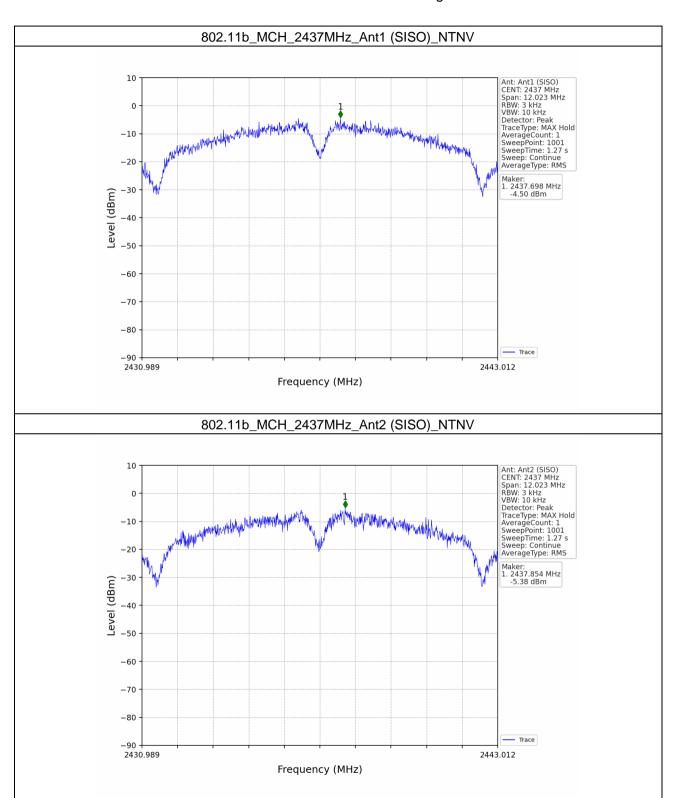
中国・广东・深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 111 of 158





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

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

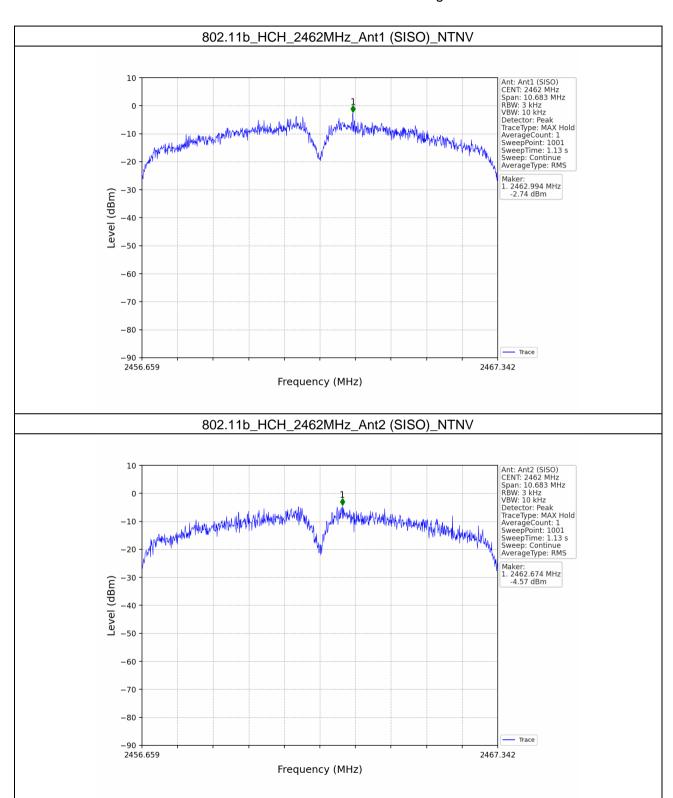
No.1 Workshop, Ib-10, Middle Section, Science & Technology Park, Narshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 112 of 158





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

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

No.1 Workshop, Ib-10, Middle Section, Science & Technology Park, Narshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn

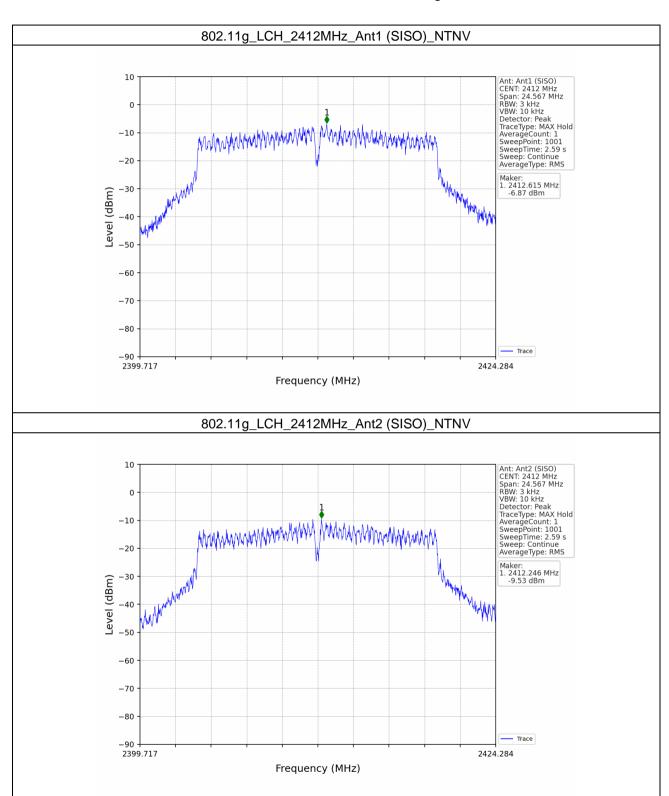
中国・广东・深圳市南山区科技园中区M-10栋1号厂房 邮编:518057



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 113 of 158





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

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

No.1 Workshop, Ib-10, Middle Section, Science & Technology Park, Narshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn

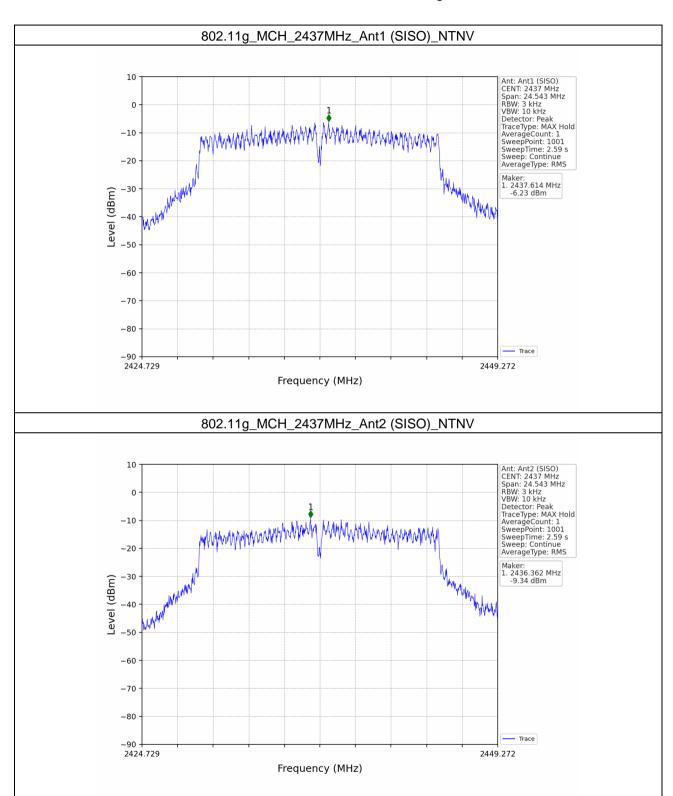
中国・广东・深圳市南山区科技园中区M-10栋1号厂房 邮编:518057



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 114 of 158





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

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

No.1 Workshop, Ib-10, Middle Section, Science & Technology Park, Narshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn

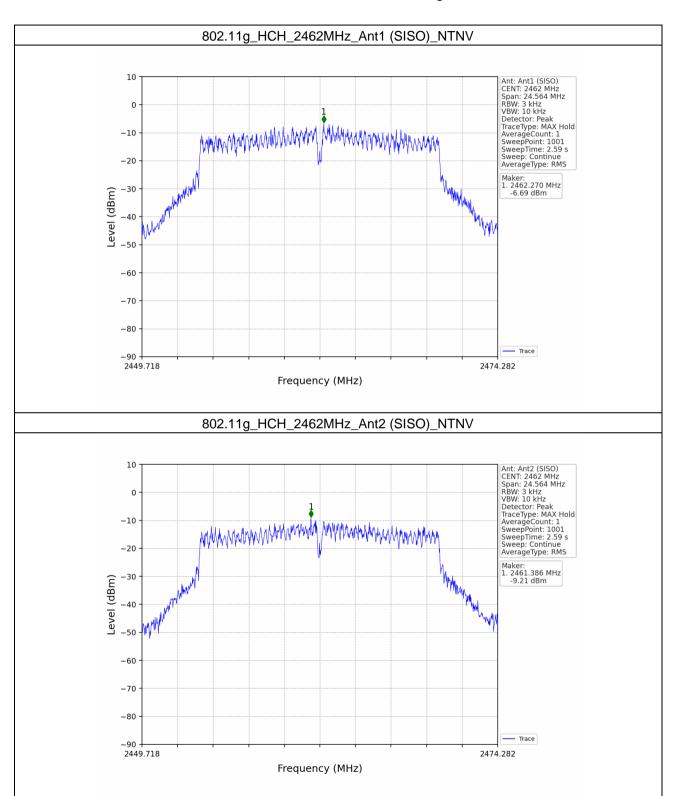
中国・广东・深圳市南山区科技园中区M-10栋1号厂房 邮编:518057



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 115 of 158





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

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

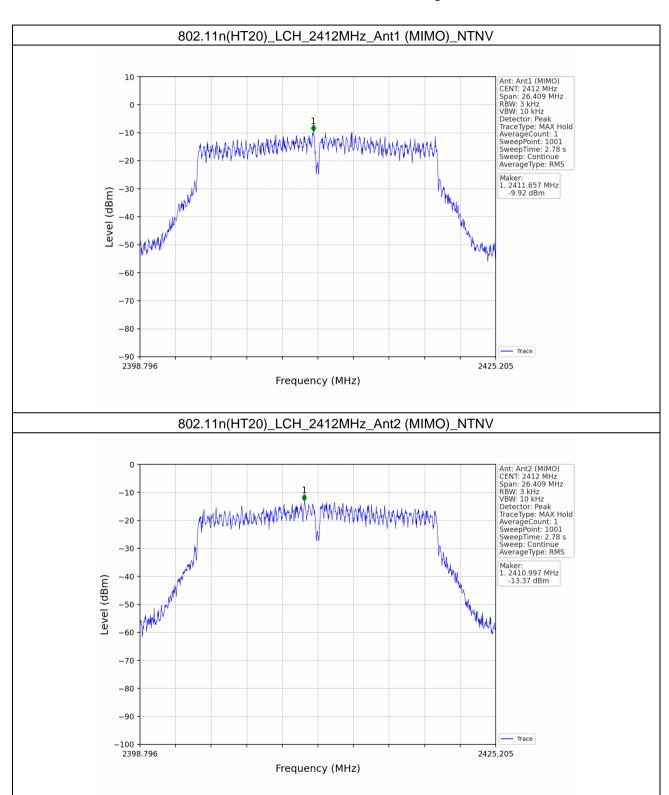
No.1 Workshop, Ib-10, Middle Section, Science & Technology Park, Narshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 116 of 158





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

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

No.1 Workshop, Ib-10, Middle Section, Science & Technology Park, Narshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn

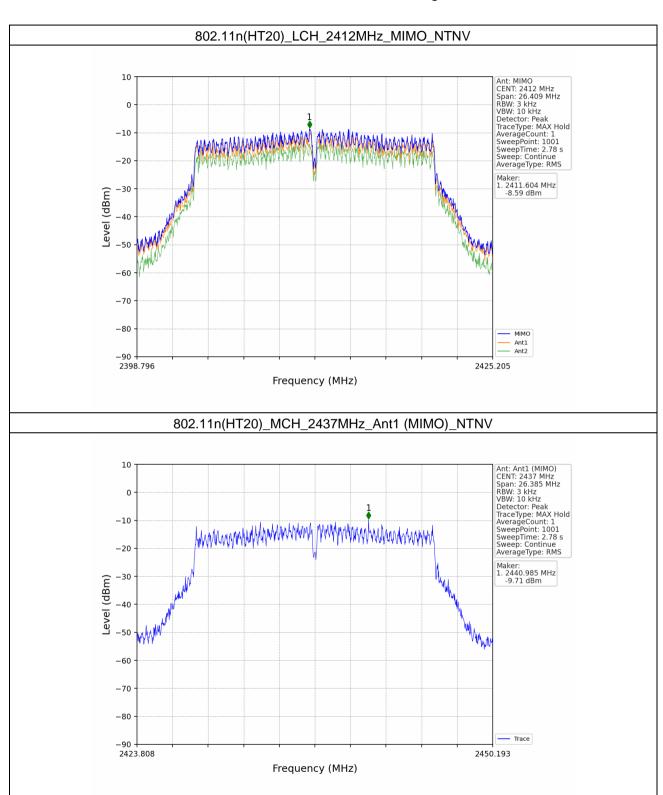
中国・广东・深圳市南山区科技园中区M-10栋1号厂房 邮编:518057



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 117 of 158





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

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

No.1 Workshop, Ib-10, Middle Section, Science & Technology Park, Narshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn

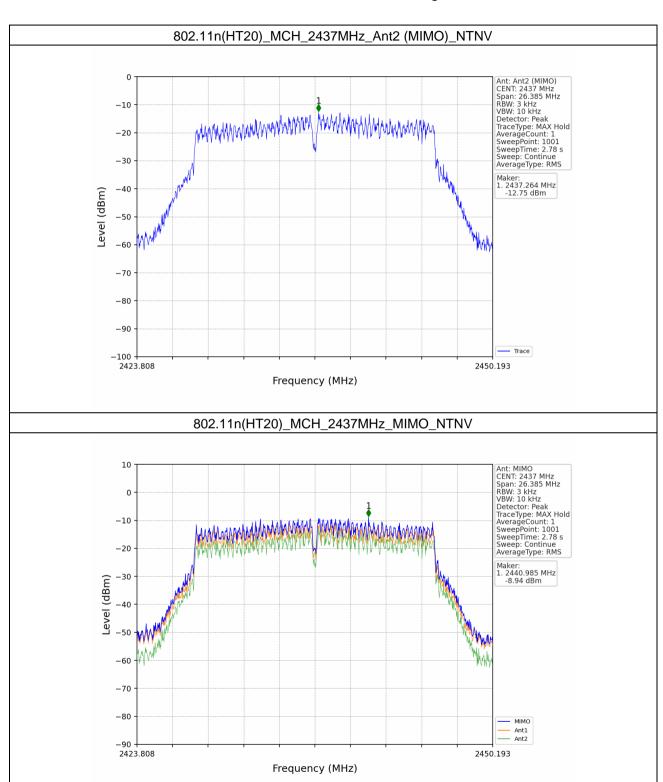
中国・广东・深圳市南山区科技园中区M-10栋1号厂房 邮编:518057



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 118 of 158





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

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

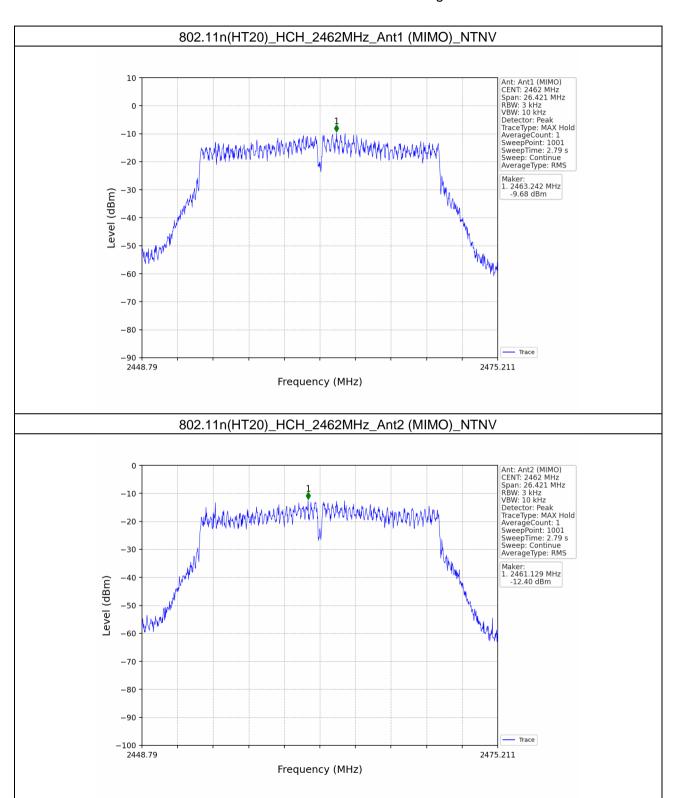
No.1 Workshop, Ib-10, Middle Section, Science & Technology Park, Narshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 119 of 158





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

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

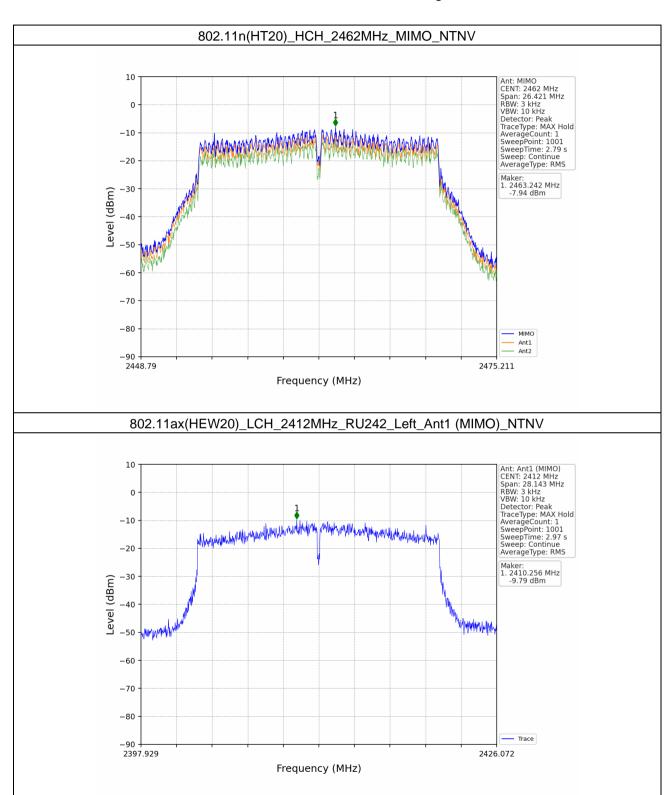
No.1 Workshop, Ib-10, Middle Section, Science & Technology Park, Narshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn 中国・广东・深圳市南山区科技园中区M-10栋1号厂房 邮编:518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 120 of 158





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

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

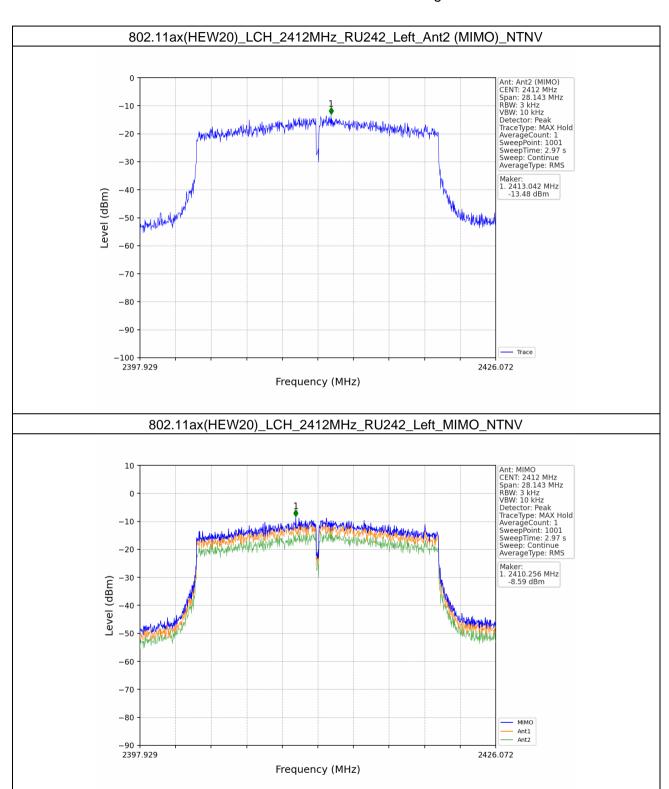
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
| Not Worksph, I.M. Middle Section, Secretar Park Institute (Standard) Park Nashan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国・广东・深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800254204

Page: 121 of 158





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

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

No.1 Workshop, Ib-10, Middle Section, Science & Technology Park, Narshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn

中国・广东・深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com