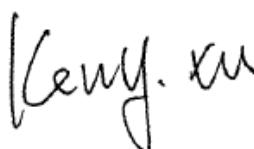


**TEST REPORT**

**Application No.:** SZCR2411004305AT  
**Applicant:** Wyze Labs, Inc.  
**Address of Applicant:** 5808 Lake Washington Blvd NE Ste 300, Kirkland, Washington, 98033, United States  
**Manufacturer:** Wyze Labs, Inc.  
**Address of Manufacturer:** 5808 Lake Washington Blvd NE Ste 300, Kirkland, Washington, 98033, United States  
**Equipment Under Test (EUT):**  
**EUT Name:** Wyze Duo Cam Doorbell  
**Model No.:** GW\_DB  
**Trade Mark:** WYZE  
**FCC ID:** 2AUIUGWDBD  
**Standard(s) :** 47 CFR Part 15, Subpart E 15.407  
**Date of Receipt:** 2024-11-18  
**Date of Test:** 2024-11-27 to 2024-12-18  
**Date of Issue:** 2024-12-23

|                     |              |
|---------------------|--------------|
| <b>Test Result:</b> | <b>Pass*</b> |
|---------------------|--------------|

\* In the configuration tested, the EUT complied with the standards specified above.



Keny Xu  
EMC Laboratory Manager



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

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. 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@sgs.com](mailto:CN.Doccheck@sgs.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](http://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](mailto:sgs.china@sgs.com)

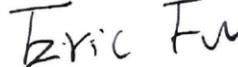
## SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241100430501

Page: 2 of 171

| Revision Record |         |            |          |          |
|-----------------|---------|------------|----------|----------|
| Version         | Chapter | Date       | Modifier | Remark   |
| 01              |         | 2024-12-23 |          | Original |
|                 |         |            |          |          |
|                 |         |            |          |          |

|                          |  |                              |  |
|--------------------------|--|------------------------------|--|
| Authorized for issue by: |  |                              |  |
|                          |   | Charlie Dai                  |  |
|                          |  | Charlie Dai/Project Engineer |  |
|                          |  | Eric Fu                      |  |
|                          |  | Eric Fu/Reviewer             |  |



SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch No. 10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. 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) 26012053, or email: [CN\\_Doccheck@sgs.com](mailto:CN_Doccheck@sgs.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](http://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](mailto:sgs.china@sgs.com)

## 2 Test Summary

| Radio Spectrum Matter Part                            |                                  |                                |  |        |
|---|----------------------------------|--------------------------------|--|--------|
| Item  | Standard                         | Method                         | Requirement  | Result |
| Maximum Conducted output power                        | 47 CFR Part 15, Subpart E 15.407 | KDB 789033 D02 II E            | 47 CFR Part 15, Subpart E 15.407 (a)                   | Pass   |
| Radiated Emissions (Below 1GHz)                       |                                  | KDB 789033 D02 II G            | 47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b) | Pass   |
| Radiated Emissions (Above 1GHz)                       |                                  | KDB 789033 D02 II G            | 47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b) | Pass   |
| Radiated Emissions which fall in the restricted bands |                                  | KDB 789033 D02 II G            | 47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b) | Pass   |
| Duty Cycle  |                                  | KDB 789033 D02 II B 1          | KDB 789033 D02 II B 1                                  | Pass   |
| 99% Bandwidth   |                                  | KDB 789033 D02 II D            | N/A  | Pass   |
| 26dB Emission bandwidth                               |                                  | KDB 789033 D02 II C 1          | 47 CFR Part 15, Subpart E 15.407 (a)                   | Pass   |
| Peak Power spectrum density                           |                                  | KDB 789033 D02 II F            | 47 CFR Part 15, Subpart E 15.407 (a)                   | Pass   |
| Frequency Stability                                   |                                  | ANSI C63.10 (2013) Section 6.8 | 47 CFR Part 15, Subpart E 15.407 (g)                   | Pass   |
| Non-occupancy period                                  |                                  | KDB 905462 D02 Section 7.8.3   | KDB 905462 D02 Section 5.1                             | Pass   |
| Channel Closing Transmission Time                     |                                  | KDB 905462 D02 Section 7.8.3   | KDB 905462 D02 Section 5.1                             | Pass   |

**Remark:**

Model No.: GW\_DB

This test report (Ref. No.: SZCR241100430501) is only valid with the original test report (Ref. No.: SZCR240700290504).

According to the declaration from the applicant, the models in this report and models in original report were identical, the only difference lies in the addition of U-NII-2A and U-NII-2C frequency bands through software.

Considering to the difference, pre-scan were performed on the sample in this report to find the items which can be influential to the result in the original test report for fully retest.

Therefore in this report the section 2 items were fully retested on model and shown the data in this report, other tests please refer to original report SZCR240700290504.

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. 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@sgs.com](mailto:CN_Doccheck@sgs.com)



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

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

### 3 Contents

|  | Page      |
|--|-----------|
| <b>1 Cover Page .....</b>  | <b>1</b>  |
| <b>2 Test Summary .....</b>  | <b>3</b>  |
| <b>3 Contents .....</b>  | <b>4</b>  |
| <b>4 General Information.....</b>                                  | <b>6</b>  |
| 4.1    Details of E.U.T .....                                      | 6         |
| 4.2    Description of Support Units .....                          | 6         |
| 4.3    Measurement Uncertainty .....                               | 7         |
| 4.4    Test Location.....  | 8         |
| 4.5    Test Facility .....   | 8         |
| 4.6    Deviation from Standards.....                               | 8         |
| 4.7    Abnormalities from Standard Conditions .....                | 8         |
| <b>5 Equipment List.....</b>                                       | <b>9</b>  |
| <b>6 Radio Spectrum Matter Test Results .....</b>                  | <b>13</b> |
| 6.1    Maximum Conducted output power .....                        | 13        |
| 6.1.1    E.U.T. Operation .....                                    | 13        |
| 6.1.2    Test Mode Description .....                               | 13        |
| 6.1.3    Test Setup Diagram .....                                  | 14        |
| 6.1.4    Measurement Procedure and Data.....                       | 14        |
| 6.2    Radiated Emissions (Below 1GHz).....                        | 15        |
| 6.2.1    E.U.T. Operation .....                                    | 15        |
| 6.2.2    Test Mode Description .....                               | 15        |
| 6.2.3    Test Setup Diagram .....                                  | 16        |
| 6.2.4    Measurement Procedure and Data.....                       | 17        |
| 6.3    Radiated Emissions (Above 1GHz).....                        | 20        |
| 6.3.1    E.U.T. Operation .....                                    | 20        |
| 6.3.2    Test Mode Description .....                               | 21        |
| 6.3.3    Test Setup Diagram .....                                  | 21        |
| 6.3.4    Measurement Procedure and Data.....                       | 22        |
| 6.4    Radiated Emissions which fall in the restricted bands ..... | 53        |
| 6.4.1    E.U.T. Operation .....                                    | 54        |
| 6.4.2    Test Mode Description .....                               | 54        |
| 6.4.3    Test Setup Diagram .....                                  | 54        |
| 6.4.4    Measurement Procedure and Data.....                       | 55        |
| 6.5    Duty Cycle.....   | 98        |
| 6.5.1    E.U.T. Operation .....                                    | 98        |
| 6.5.2    Test Mode Description .....                               | 98        |
| 6.5.3    Test Setup Diagram .....                                  | 98        |
| 6.5.4    Measurement Procedure and Data.....                       | 98        |
| 6.6    99% Bandwidth .....   | 99        |
| 6.6.1    E.U.T. Operation .....                                    | 99        |



|        |  |     |
|--------|--|-----|
| 6.6.2  | Test Mode Description .....                          | 99  |
| 6.6.3  | Test Setup Diagram .....                             | 99  |
| 6.6.4  | Measurement Procedure and Data.....                  | 99  |
| 6.7    | 26dB Emission bandwidth.....                         | 100 |
| 6.7.1  | E.U.T. Operation .....                               | 100 |
| 6.7.2  | Test Mode Description .....                          | 100 |
| 6.7.3  | Test Setup Diagram.....                              | 100 |
| 6.7.4  | Measurement Procedure and Data.....                  | 100 |
| 6.8    | Peak Power spectrum density.....                     | 101 |
| 6.8.1  | E.U.T. Operation.....                                | 101 |
| 6.8.2  | Test Mode Description .....                          | 101 |
| 6.8.3  | Test Setup Diagram.....                              | 102 |
| 6.8.4  | Measurement Procedure and Data.....                  | 102 |
| 6.9    | Frequency Stability .....                            | 103 |
| 6.9.1  | E.U.T. Operation .....                               | 103 |
| 6.9.2  | Test Mode Description .....                          | 103 |
| 6.9.3  | Test Setup Diagram .....                             | 103 |
| 6.9.4  | Measurement Procedure and Data.....                  | 103 |
| 6.10   | Channel Move Time .....                              | 104 |
| 6.10.1 | E.U.T. Operation.....                                | 104 |
| 6.10.2 | Test Mode Description.....                           | 105 |
| 6.10.3 | Test Setup Diagram.....                              | 105 |
| 6.10.4 | Measurement Procedure and Data .....                 | 106 |
| 6.11   | Channel Closing Transmission Time .....              | 107 |
| 6.11.1 | E.U.T. Operation.....                                | 107 |
| 6.11.2 | Test Mode Description .....                          | 108 |
| 6.11.3 | Test Setup Diagram .....                             | 108 |
| 6.11.4 | Measurement Procedure and Data .....                 | 109 |
| 7      | <b>Test Setup Photo .....</b>                        | 110 |
| 8      | <b>EUT Constructional Details (EUT Photos) .....</b> | 110 |
| 9      | <b>Appendix.....</b>                                 | 111 |

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. 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@sgs.com](mailto:CN_Doccheck@sgs.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](http://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](mailto:sgs.china@sgs.com)



## 4 General Information

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

|   |   |
|---|---|
| Power supply:                                   | Input: AC 10-24V, 10W 50/60Hz<br>Lithium-ion rechargeable battery (3.6V, 6200mAh)   |
| Cable(s):                                       | N/A   |
| Operation Frequency/Number of channels (20MHz): | U-NII-2A: 5260-5320MHz (4 Channels); U-NII-2C: 5500-5720MHz (12 Channels)   |
| Modulation Type:                                | 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK); 802.11n: OFDM (BPSK, QPSK, 16QAM, 64QAM); 802.11ac: OFDM (BPSK, QPSK, 16QAM, 64QAM) |
| Channel Spacing:                                | 802.11a/n/ac 20: 20MHz  |
| DFS Function:                                   | Slave without Radar detection   |
| TPC Function:                                   | Support TPC function  |
| Antenna Type:                                   | FPC Antenna   |
| Antenna Gain:                                   | 1.64dBi   |
| Cable Loss (for RF conducted test):             | 1.2dB   |

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. |
|-------------|--------------------------|-----------|------------|
| Transformer | Provided by the customer | N/A       | N/A        |

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. 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@sgs.com](mailto:CN_Doccheck@sgs.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](http://www.sgsgroup.com.cn)

SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch is a member of SGS Group LLC Laboratory.  
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](mailto:sgs.china@sgs.com)



### 4.3 Measurement Uncertainty

| Test Item   | Measurement Uncertainty                     |
|---|---|
| Maximum Conducted output power                        | ± 0.75dB                                    |
| Radiated Emissions (Below 1GHz)                       | ± 6.0dB for 3m; ± 5.0dB for 10m             |
| Radiated Emissions (Above 1GHz)                       | ± 4.6dB (1-18GHz);± 4.8dB (18-40GHz)        |
| Radiated Emissions which fall in the restricted bands | ± 6.0dB (below 1GHz); ± 4.6dB (above 1GHz); |
| Duty Cycle  | ± 0.37%                                     |
| 99% Bandwidth   | ± 3%  |
| 26dB Emission bandwidth                               | ± 3%  |
| Peak Power spectrum density                           | ± 2.84dB                                    |
| Frequency Stability                                   | ± 7.25 x 10-8                               |

Remark:

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

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



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

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. 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@sgs.com](mailto:CN_Doccheck@sgs.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](http://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](mailto:sgs.china@sgs.com)

#### 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 <https://www.sgs.com/en/Terms-and-Conditions>. 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@sgs.com](mailto:CN_Doccheck@sgs.com)



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

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](http://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](mailto:sgs.china@sgs.com)

## 5 Equipment List

| <b>Maximum Conducted output power</b>       |                              |                  |                      |                 |                     |
|---|------------------------------|------------------|----------------------|-----------------|---------------------|
| <b>Equipment</b>                            | <b>Manufacturer</b>          | <b>Model No.</b> | <b>Inventory No.</b> | <b>Cal Date</b> | <b>Cal Due Date</b> |
| Power Sensor                                | TST PASS                     | TSPS2023R        | SEM009-26            | 2024-03-27      | 2025-03-26          |
| Power Sensor                                | KEYSIGHT                     | U2021XA          | SEM009-16            | 2024-03-14      | 2025-03-13          |
| DC Power Supply                             | Chroma                       | 62012P-80-60     | SEM011-11            | 2024-08-14      | 2025-08-13          |
| MXA Signal Analyzer                         | KEYSIGHT                     | N9020A           | SEM004-19            | 2024-03-14      | 2025-03-13          |
| Signal Generator                            | KEYSIGHT                     | N5173B           | SEM006-05            | 2024-09-14      | 2025-09-13          |
| Measurement Software                        | TST PASS                     | TST PASS V2.0    | N/A                  | N/A             | N/A                 |
| Coaxial Cable                               | SGS                          | N/A              | SEM031-01            | 2024-07-06      | 2025-07-05          |
| Attenuator                                  | Huber+Suhner                 | 6620_SMA-50-1    | SEM021-09            | 2024-03-27      | 2025-03-26          |
| Programmable Temperature & Humidity Chamber | Votsch Industrietechnik GmbH | VT 4002          | SEM002-15            | 2024-03-19      | 2025-03-18          |

| <b>Radiated Emissions (Below 1GHz)</b> |                      |                  |                      |                 |                     |
|--|----------------------|------------------|----------------------|-----------------|---------------------|
| <b>Equipment</b>                       | <b>Manufacturer</b>  | <b>Model No.</b> | <b>Inventory No.</b> | <b>Cal Date</b> | <b>Cal Due Date</b> |
| Loop Antenna                           | ETS-Lindgren         | 6502             | SEM003-08            | 2023-11-20      | 2025-11-19          |
| 3m Semi-Anechoic Chamber               | ETS-LINDGREN         | N/A              | SEM001-01            | 2023-06-19      | 2026-06-18          |
| MXE EMI Receiver                       | Agilent Technologies | N9038A           | SEM004-15            | 2024-08-14      | 2025-08-13          |
| BiConiLog Antenna                      | ETS-LINDGREN         | 3142C            | SEM003-01            | 2023-09-16      | 2025-09-15          |
| Pre-Amplifier                          | Agilent Technologies | 8447D            | SEM005-01            | 2024-03-14      | 2025-03-13          |
| Measurement Software                   | AUDIX                | e3 V8.2014-6-27  | N/A                  | N/A             | N/A                 |
| Coaxial Cable                          | SGS                  | N/A              | SEM025-01            | 2024-07-06      | 2025-07-05          |

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

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

SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241100430501

Page: 10 of 171

| <b>Radiated Emissions (Above 1GHz)</b> |                                    |                  |                      |                 |                     |
|--|------------------------------------|------------------|----------------------|-----------------|---------------------|
| <b>Equipment</b>                       | <b>Manufacturer</b>                | <b>Model No.</b> | <b>Inventory No.</b> | <b>Cal Date</b> | <b>Cal Due Date</b> |
| 3m Fully-Anechoic Chamber              | AUDIX                              | N/A              | SEM001-02            | 2024-05-11      | 2027-05-10          |
| Signal Analyzer                        | Rohde & Schwarz                    | FSV40            | SEM008-04            | 2024-03-15      | 2025-03-14          |
| Horn Antenna                           | Rohde&Schwarz                      | HF907            | SEM003-07            | 2023-07-23      | 2025-07-22          |
| Microwave system amplifier             | Agilent                            | 83017A           | SEM005-25            | 2024-09-14      | 2025-09-13          |
| Measurement Software                   | AUDIX                              | e3 V8.2014-6-27  | N/A                  | N/A             | N/A                 |
| Coaxial Cable                          | SGS                                | N/A              | SEM026-01            | 2024-07-06      | 2025-07-05          |
| Broad-Band Horn Antenna                | Schwarzbeck                        | BBHA 9170        | SEM003-15            | 2024-08-10      | 2025-08-09          |
| Pre-Amplifier                          | Compliance Directions Systems Inc. | PAP-2640-50      | SEM005-08            | 2024-03-15      | 2025-03-14          |

| <b>Radiated Emissions which fall in the restricted bands</b> |                     |                  |                      |                 |                     |
|--|---------------------|------------------|----------------------|-----------------|---------------------|
| <b>Equipment</b>   | <b>Manufacturer</b> | <b>Model No.</b> | <b>Inventory No.</b> | <b>Cal Date</b> | <b>Cal Due Date</b> |
| 3m Fully-Anechoic Chamber                                    | AUDIX               | N/A              | SEM001-02            | 2024-05-11      | 2027-05-10          |
| Signal Analyzer  | Rohde & Schwarz     | FSV40            | SEM008-04            | 2024-03-15      | 2025-03-14          |
| Horn Antenna   | Rohde&Schwarz       | HF907            | SEM003-07            | 2023-07-23      | 2025-07-22          |
| Microwave system amplifier                                   | Agilent             | 83017A           | SEM005-25            | 2024-09-14      | 2025-09-13          |
| Measurement Software   | AUDIX               | e3 V8.2014-6-27  | N/A                  | N/A             | N/A                 |
| Coaxial Cable  | SGS                 | N/A              | SEM026-01            | 2024-07-06      | 2025-07-05          |

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. 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@sgs.com](mailto:CN_Doccheck@sgs.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](http://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](mailto:sgs.china@sgs.com)



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

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

SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241100430501

Page: 11 of 171

| Channel Closing Transmission Time |              |               |               |            |              |
|-----------------------------------|--------------|---------------|---------------|------------|--------------|
| Equipment                         | Manufacturer | Model No.     | Inventory No. | Cal Date   | Cal Due Date |
| Shielding Room                    | AUDIX        | N/A           | SEM001-08     | 2022-05-14 | 2025-05-13   |
| EXA Signal Analyzer               | KEYSIGHT     | N9010A        | SEM004-09     | 2024-03-27 | 2025-03-26   |
| Signal Generator                  | KEYSIGHT     | N5171B        | SEM006-13     | 2024-03-14 | 2025-03-13   |
| MXG Vector Signal Generator       | KEYSIGHT     | N5182A        | SEM006-14     | 2024-03-14 | 2025-03-13   |
| ESG Vector Signal Generator       | KEYSIGHT     | E4438C        | SEM006-15     | 2024-08-15 | 2025-08-14   |
| DC Power Supply                   | KEYSIGHT     | E3642A        | SEM011-07     | 2024-03-19 | 2025-03-18   |
| Manual Step Attenuator            | KEYSIGHT     | 8494B         | SEM021-05     | 2024-03-27 | 2025-03-26   |
| Manual Step Attenuator            | KEYSIGHT     | 8496B         | SEM021-06     | 2024-03-27 | 2025-03-26   |
| Power Sensor                      | TST PASS     | TSPS2023R     | SEM009-26     | 2024-03-27 | 2025-03-26   |
| Power Sensor                      | TST PASS     | TSPS2023R     | SEM009-27     | 2024-03-27 | 2025-03-26   |
| Power Sensor                      | TST PASS     | TSPS2023R     | SEM009-28     | 2024-03-27 | 2025-03-26   |
| Power Sensor                      | TST PASS     | TSPS2023R     | SEM009-29     | 2024-03-27 | 2025-03-26   |
| Measurement Software              | TST PASS     | TST PASS V2.0 | N/A           | N/A        | N/A          |
| Coaxial Cable                     | SGS          | N/A           | SEM028-01     | 2024-07-06 | 2025-07-05   |

| Channel Move Time           |              |               |               |            |              |
|-----------------------------|--------------|---------------|---------------|------------|--------------|
| Equipment                   | Manufacturer | Model No.     | Inventory No. | Cal Date   | Cal Due Date |
| Shielding Room              | AUDIX        | N/A           | SEM001-08     | 2022-05-14 | 2025-05-13   |
| EXA Signal Analyzer         | KEYSIGHT     | N9010A        | SEM004-09     | 2024-03-27 | 2025-03-26   |
| Signal Generator            | KEYSIGHT     | N5171B        | SEM006-13     | 2024-03-14 | 2025-03-13   |
| MXG Vector Signal Generator | KEYSIGHT     | N5182A        | SEM006-14     | 2024-03-14 | 2025-03-13   |
| ESG Vector Signal Generator | KEYSIGHT     | E4438C        | SEM006-15     | 2024-08-15 | 2025-08-14   |
| DC Power Supply             | KEYSIGHT     | E3642A        | SEM011-07     | 2024-03-19 | 2025-03-18   |
| Manual Step Attenuator      | KEYSIGHT     | 8494B         | SEM021-05     | 2024-03-27 | 2025-03-26   |
| Manual Step Attenuator      | KEYSIGHT     | 8496B         | SEM021-06     | 2024-03-27 | 2025-03-26   |
| Power Sensor                | TST PASS     | TSPS2023R     | SEM009-26     | 2024-03-27 | 2025-03-26   |
| Power Sensor                | TST PASS     | TSPS2023R     | SEM009-27     | 2024-03-27 | 2025-03-26   |
| Power Sensor                | TST PASS     | TSPS2023R     | SEM009-28     | 2024-03-27 | 2025-03-26   |
| Power Sensor                | TST PASS     | TSPS2023R     | SEM009-29     | 2024-03-27 | 2025-03-26   |
| Measurement Software        | TST PASS     | TST PASS V2.0 | N/A           | N/A        | N/A          |
| Coaxial Cable               | SGS          | N/A           | SEM028-01     | 2024-07-06 | 2025-07-05   |



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

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

SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241100430501

Page: 12 of 171

| <b>General used equipment</b>   |   |                  |                      |                 |                     |
|---------------------------------|---|------------------|----------------------|-----------------|---------------------|
| <b>Equipment</b>                | <b>Manufacturer</b>                       | <b>Model No.</b> | <b>Inventory No.</b> | <b>Cal Date</b> | <b>Cal Due Date</b> |
| Humidity/ Temperature Indicator | deli                                      | 8838             | SEM002-32            | 2024-07-24      | 2025-07-23          |
| Humidity/ Temperature Indicator | deli                                      | 8838             | SEM002-33            | 2024-07-24      | 2025-07-23          |
| Barometer                       | Changchun Meteorological Industry Factory | DYM3             | SEM002-01            | 2024-03-18      | 2025-03-17          |

SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch No. 10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. 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@sgs.com](mailto:CN_Doccheck@sgs.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](http://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](mailto:sgs.china@sgs.com)

## 6 Radio Spectrum Matter Test Results

### 6.1 Maximum Conducted output power

Test Requirement 47 CFR Part 15, Subpart E 15.407 (a)

Test Method: KDB 789033 D02 II E

Limit:

| Frequency band(MHz) | Limit  |
|---------------------|--|
| 5150-5250           | $\leq 1W(30dBm)$ for master device   |
|                     | $\leq 250mW(24dBm)$ for client device  |
| 5250-5350           | $\leq 250mW(24dBm)$ or $11dBm+10\log B^*$  |
| 5470-5725           | $\leq 250mW(24dBm)$ or $11dBm+10\log B^*$  |
| 5725-5850           | $\leq 1W(30dBm)$   |
| Remark:             | <p>* Where B is the 26dB emission bandwidth in MHz.<br/>The maximum conducted output power must be measured over any interval of continuous transmission using instrumentation calibrated in terms of an rms-equivalent voltage.</p> |

#### 6.1.1 E.U.T. Operation

Operating Environment:

Temperature: 24.6 °C      Humidity: 47.3 % RH      Atmospheric Pressure: 1020 mbar

#### 6.1.2 Test Mode Description

| Pre-scan / Final test | Mode Code | Description  |
|-----------------------|-----------|--|
| Final test            | 00        | TX mode (U-NII-2A) _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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20, Only the data of worst case is recorded in the report. |
| Final test            | 01        | TX mode (U-NII-2C) _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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20, 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 <https://www.sgs.com/en/Terms-and-Conditions>. 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.

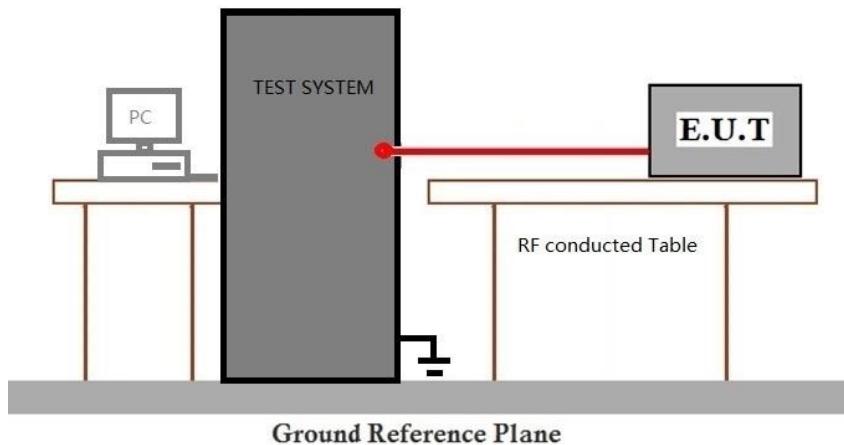
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN\\_Doccheck@sgs.com](mailto:CN_Doccheck@sgs.com)

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](http://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](mailto:sgs.china@sgs.com)



### 6.1.3 Test Setup Diagram



### 6.1.4 Measurement Procedure and Data

Please Refer to Appendix for Details



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. 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@sgs.com](mailto:CN_Doccheck@sgs.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](http://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](mailto:sgs.china@sgs.com)

## 6.2 Radiated Emissions (Below 1GHz)

Test Requirement 47 CFR Part 15, Subpart C 15.209 &amp; Subpart E 15.407(b)

Test Method: KDB 789033 D02 II G

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                            |

### 6.2.1 E.U.T. Operation

Operating Environment:

Temperature: 20.2 °C

Humidity: 45.2 % RH

Atmospheric Pressure: 1020 mbar

### 6.2.2 Test Mode Description

| Pre-scan / Final test | Mode Code | Description   |
|-----------------------|-----------|---|
| Pre-scan              | 00        | TX mode (U-NII-2A) _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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20, Only the data of worst case is recorded in the report.        |
| Pre-scan              | 01        | TX mode (U-NII-2C) _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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20, Only the data of worst case is recorded in the report.        |
| Final test            | 03        | Charge+TX mode (U-NII-2A) _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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20, Only the data of worst case is recorded in the report. |
| Pre-scan              | 04        | Charge+TX mode (U-NII-2C) _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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20, 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 <https://www.sgs.com/en/Terms-and-Conditions>. 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.

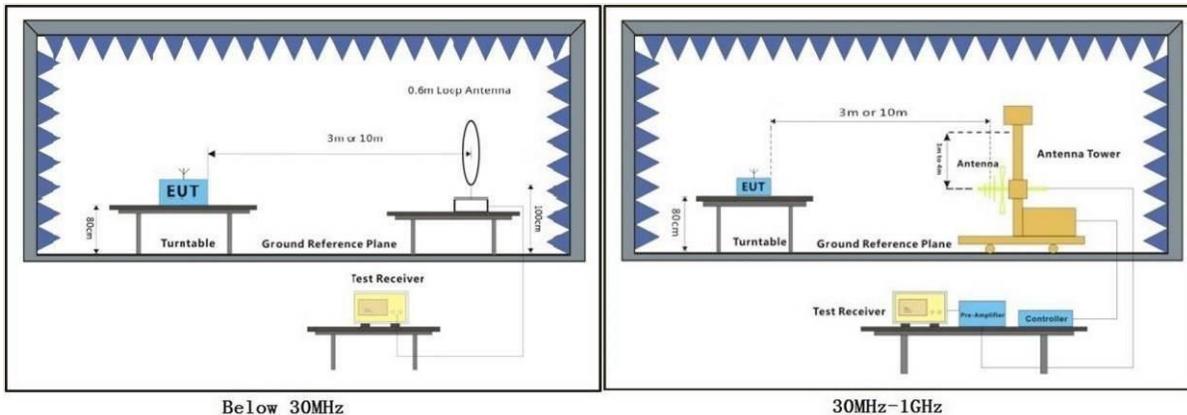
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755)8307 1443, or email: [CN\\_Doccheck@sgs.com](mailto:CN_Doccheck@sgs.com)

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](http://www.sgsgroup.com.cn)



SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch Inspection & Testing Services Laboratory

### 6.2.3 Test Setup Diagram



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. 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@sgs.com](mailto:CN_Doccheck@sgs.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](http://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](mailto:sgs.china@sgs.com)

**6.2.4 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 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. For emission below 1GHz, through the pre-scan found the worst case is the lowest channel of 802.11a. Only the worst case is recorded in the report.
3. 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.
4. 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.



SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch is a member of SGS Group Laboratory.

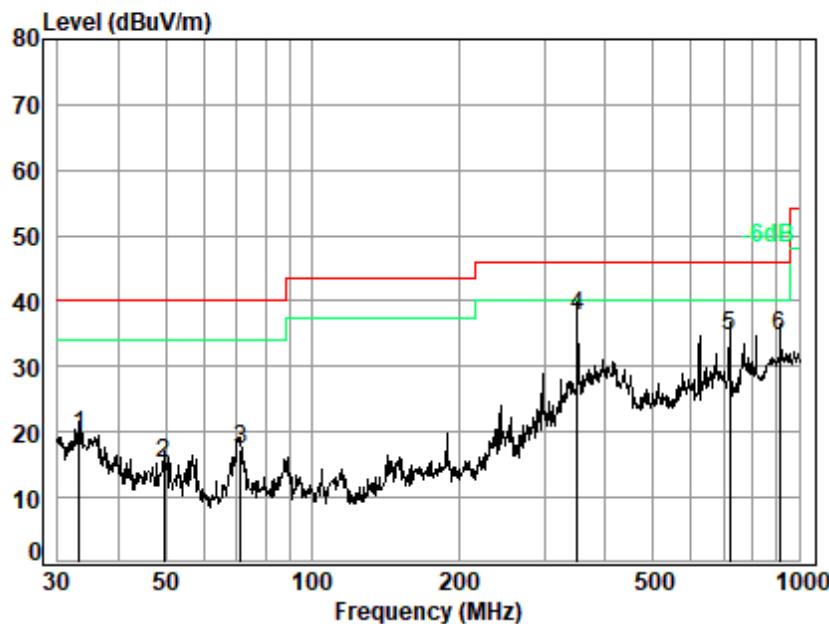
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction 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@sgs.com](mailto:CN_Doccheck@sgs.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](http://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](mailto:sgs.china@sgs.com)

Test Mode: 03; Polarity: Horizontal



Site : chamber  
Condition: 3m HORIZONTAL  
Job No. : 04305AT  
Test Mode: 03

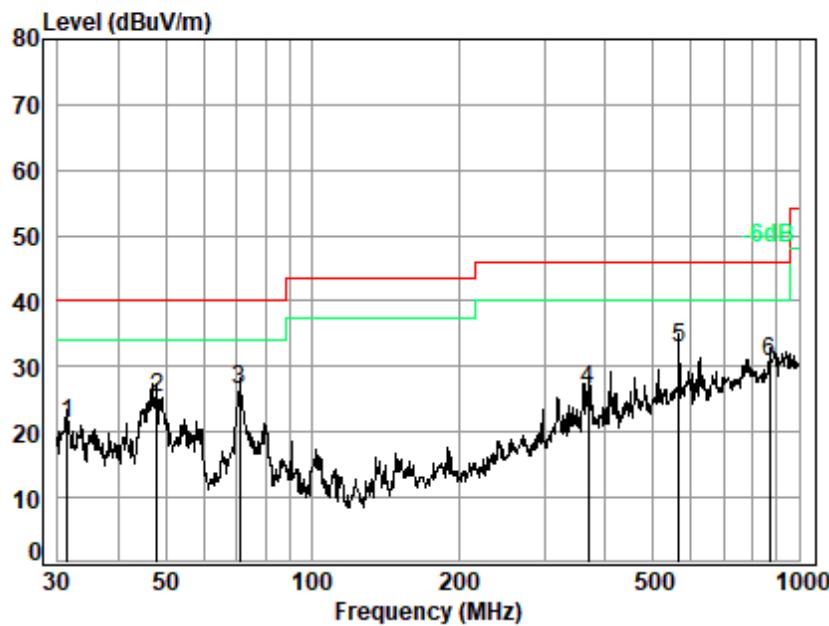
| Freq | Ant Factor | Cable Loss | Preamp Factor | Read Level | Limit Level | Limit Line | Over Limit | Remark |      |
|------|------------|------------|---------------|------------|-------------|------------|------------|--------|------|
|      |            |            |               |            |             |            |            | MHz    | dB/m |
| 1    | 33.211     | 19.76      | 0.68          | 27.78      | 26.96       | 19.62      | 40.00      | -20.38 | QP   |
| 2    | 49.533     | 12.89      | 0.83          | 27.74      | 29.14       | 15.12      | 40.00      | -24.88 | QP   |
| 3    | 71.330     | 10.53      | 1.00          | 27.67      | 33.44       | 17.30      | 40.00      | -22.70 | QP   |
| 4 q  | 350.477    | 19.94      | 2.36          | 26.96      | 42.44       | 37.78      | 46.00      | -8.22  | QP   |
| 5    | 719.200    | 26.25      | 3.57          | 27.68      | 32.60       | 34.74      | 46.00      | -11.26 | QP   |
| 6    | 912.862    | 28.00      | 4.12          | 26.67      | 29.17       | 34.62      | 46.00      | -11.38 | QP   |

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. 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@sgs.com](mailto:CN_Doccheck@sgs.com)



Test Mode: 03; Polarity: Vertical



Site : chamber  
Condition: 3m VERTICAL  
Job No. : 04305AT  
Test Mode: 03

| Freq | Ant Factor | Cable Loss | Preamp Factor | Read Level | Limit  |        | Over Limit | Remark    |
|------|------------|------------|---------------|------------|--------|--------|------------|-----------|
|      |            |            |               |            | dBuV   | dBuV/m |            |           |
| MHz  | dB/m       | dB         | dB            | dBuV       | dBuV/m | dBuV/m | dB         |           |
| 1    | 31.399     | 20.55      | 0.66          | 27.79      | 27.95  | 21.37  | 40.00      | -18.63 QP |
| 2    | 47.994     | 13.30      | 0.81          | 27.74      | 38.99  | 25.36  | 40.00      | -14.64 QP |
| 3    | 70.832     | 10.56      | 1.00          | 27.67      | 42.48  | 26.37  | 40.00      | -13.63 QP |
| 4    | 368.112    | 20.38      | 2.43          | 27.03      | 30.81  | 26.59  | 46.00      | -19.41 QP |
| 5 q  | 566.622    | 23.48      | 3.10          | 27.83      | 34.11  | 32.86  | 46.00      | -13.14 QP |
| 6    | 869.130    | 27.65      | 4.01          | 26.99      | 26.11  | 30.78  | 46.00      | -15.22 QP |



**6.3 Radiated Emissions (Above 1GHz)**

Test Requirement 47 CFR Part 15, Subpart C 15.209 &amp; Subpart E 15.407(b)

Test Method: KDB 789033 D02 II G

Measurement Distance: 3m

Limit:

| Frequency(MHz) | Field strength(microvolts/meter) | Measurement distance(meters) |
|----------------|----------------------------------|------------------------------|
| Above 1GHz     | 500                              | 3                            |

a. any emission outside the 5925-7125 MHz frequency band shall not exceed -27 dBm/MHz e.i.r.p. spectral density

b. the e.i.r.p. spectral density of unwanted emissions falling into the 5925-7125 MHz frequency band shall be attenuated below the reference spectral density by:

- i. 20dB at 1MHz away from the channel edges.
- ii. a value, linearly interpolated in a dB scale, between 20 dB and 28 dB at frequencies between 1MHz outside of channel edges and 1 channel bandwidth away from the operating channel center, respectively
- iii. 28dB at 1 channel bandwidth away from the operating channel center
- iv. a value, linearly interpolated in a dB scale, between 28 dB and 40 dB at frequencies between 1 channel bandwidth away from the operating channel center and 1.5 times the channel bandwidth away from the operating channel center, respectively
- v. 40dB at 1.5 times the channel bandwidth away from the operating channel center
- vi. a minimum of 40 dB at frequencies that are further away than 1.5 times the channel bandwidth from the operating channel center.

**6.3.1 E.U.T. Operation**

Operating Environment:

Temperature: 20.8 °C

Humidity: 61.2 % RH

Atmospheric Pressure: 1020 mbar

SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch No. 10, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China

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

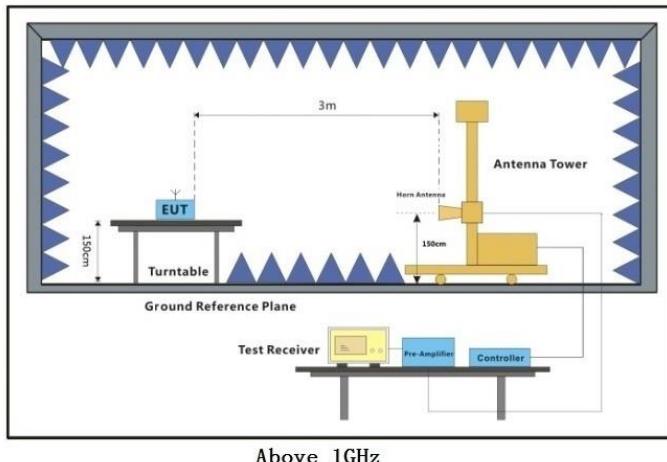
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN\\_Doccheck@sgs.com](mailto:CN_Doccheck@sgs.com)

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](http://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](mailto:sgs.china@sgs.com)

### 6.3.2 Test Mode Description

| Pre-scan / Final test | Mode Code | Description   |
|-----------------------|-----------|---|
| Pre-scan              | 00        | TX mode (U-NII-2A) _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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20, Only the data of worst case is recorded in the report.        |
| Pre-scan              | 01        | TX mode (U-NII-2C) _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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20, Only the data of worst case is recorded in the report.        |
| Final test            | 03        | Charge+TX mode (U-NII-2A) _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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20, Only the data of worst case is recorded in the report. |
| Final test            | 04        | Charge+TX mode (U-NII-2C) _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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20, Only the data of worst case is recorded in the report. |

### 6.3.3 Test Setup Diagram



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. 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@sgs.com](mailto:CN_Doccheck@sgs.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](http://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](mailto:sgs.china@sgs.com)



**6.3.4 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 18GHz to 40GHz, 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.
4. The disturbance above 18GHz were very low and the harmonics were the highest point could be found when testing, so only the above harmonics had been displayed.
5. For devices with multiple operating modes, measurements on the middle channel is used to determine the worst-case mode(s). Only the worst case mode with the highest output power and the mode with the highest output power spectral density for each modulation family (e.g., OFDM and direct sequence spread spectrum) is recorded in the test report.
6. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 3MHz for Peak detection (PK) and Average detection (AV) at frequency above 1GHz.
7. For fundamental and harmonic signal measurement, the resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is  $\geq 1/T$  (Duty cycle  $< 98\%$ ) or 10Hz (Duty cycle  $\geq 98\%$ ) for Average detection (AV) at frequency above 1GHz.

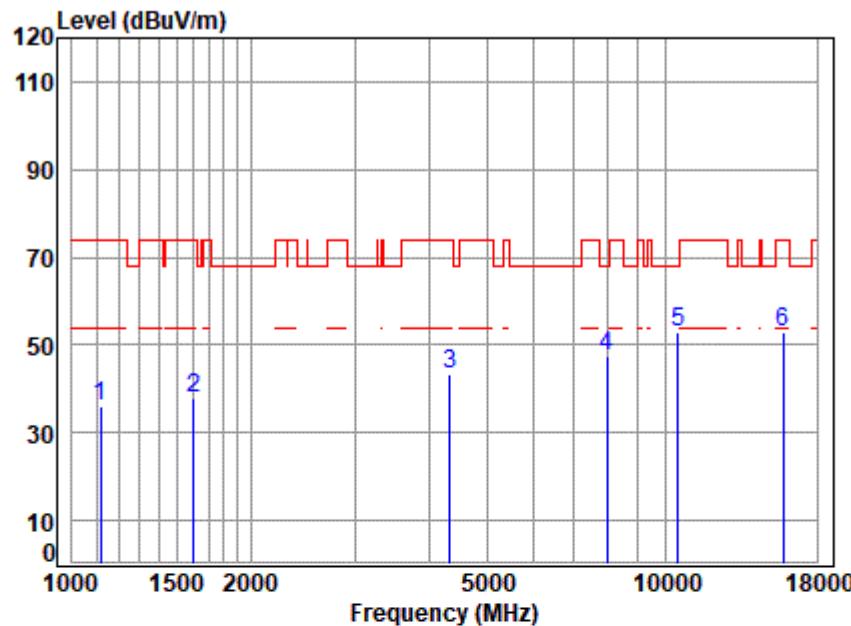
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction 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@sgs.com](mailto:CN_Doccheck@sgs.com)



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

Test Mode: 03; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 04305AT/04306AT  
Mode : 5260 TX SE  
Note : 5G WIFI 11A

| Freq         | Cable Loss | Ant Factor | Preamp Factor | Read Level | Limit Level | Limit Line | Over Limit | Remark |  |
|--------------|------------|------------|---------------|------------|-------------|------------|------------|--------|--|
|              |            |            |               |            |             |            |            | dB     |  |
| 1 1116.093   | 3.57       | 23.76      | 54.65         | 63.46      | 36.14       | 74.00      | -37.86     | peak   |  |
| 2 1601.804   | 4.19       | 26.78      | 54.80         | 61.56      | 37.73       | 74.00      | -36.27     | peak   |  |
| 3 4329.354   | 7.05       | 34.23      | 54.26         | 56.44      | 43.46       | 74.00      | -30.54     | peak   |  |
| 4 7989.893   | 9.02       | 36.40      | 53.10         | 55.30      | 47.62       | 68.20      | -20.58     | peak   |  |
| 5 p10520.000 | 11.37      | 37.30      | 53.09         | 57.19      | 52.77       | 68.20      | -15.43     | peak   |  |
| 6 15780.000  | 14.08      | 41.28      | 51.97         | 49.70      | 53.09       | 74.00      | -20.91     | 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 <https://www.sgs.com/en/Terms-and-Conditions>. 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.

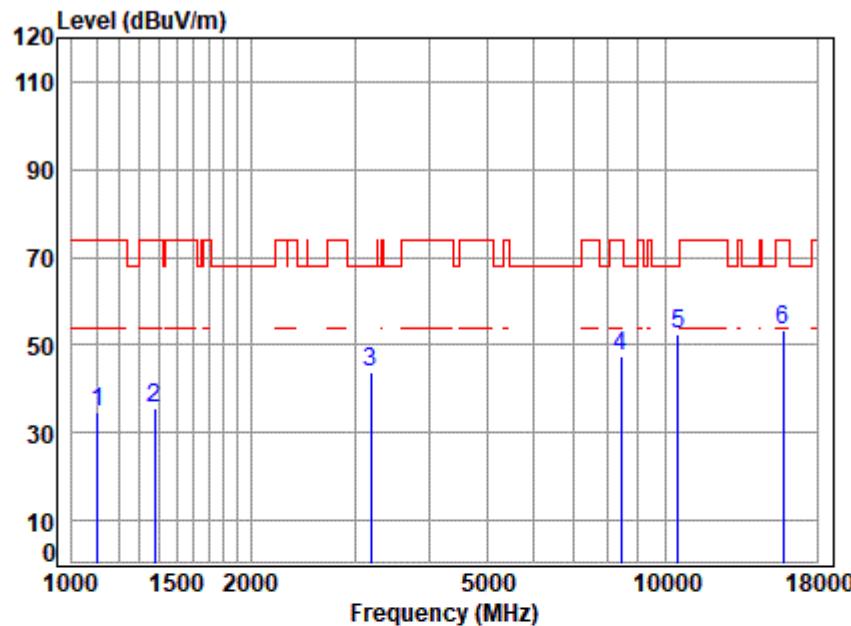
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN\\_Doccheck@sgs.com](mailto:CN_Doccheck@sgs.com)

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](http://www.sgsgroup.com.cn)

SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch is a member of SGS Group LLC Laboratory.



Test Mode: 03; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 04305AT/04306AT  
 Mode : 5260 TX SE  
 Note : 5G WIFI 11A

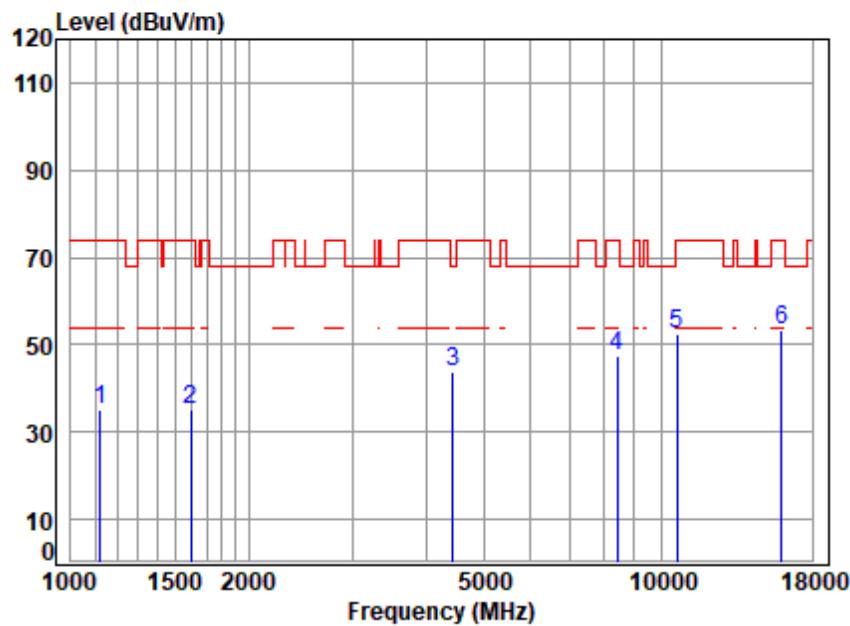
| Freq         | Cable Loss | Ant Factor | Preamp Factor | Read Level | Limit |       | Over Limit | Remark |
|--------------|------------|------------|---------------|------------|-------|-------|------------|--------|
|              |            |            |               |            | dB    | dBuV  | dBuV/m     | dBuV/m |
| 1 1103.264   | 3.55       | 23.71      | 54.64         | 62.16      | 34.78 | 74.00 | -39.22     | peak   |
| 2 1378.273   | 3.90       | 24.56      | 54.74         | 61.68      | 35.40 | 74.00 | -38.60     | peak   |
| 3 3186.869   | 6.25       | 32.79      | 54.85         | 59.70      | 43.89 | 68.20 | -24.31     | peak   |
| 4 8416.584   | 9.45       | 36.67      | 53.32         | 54.60      | 47.40 | 74.00 | -26.60     | peak   |
| 5 p10520.000 | 11.37      | 37.30      | 53.09         | 56.96      | 52.54 | 68.20 | -15.66     | peak   |
| 6 15780.000  | 14.08      | 41.28      | 51.97         | 49.97      | 53.36 | 74.00 | -20.64     | 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 <https://www.sgs.com/en/Terms-and-Conditions>. 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@sgs.com](mailto:CN_Doccheck@sgs.com)



Test Mode: 03; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 04305AT/04306AT  
 Mode : 5320 TX SE  
 Note : 5G WIFI 11A

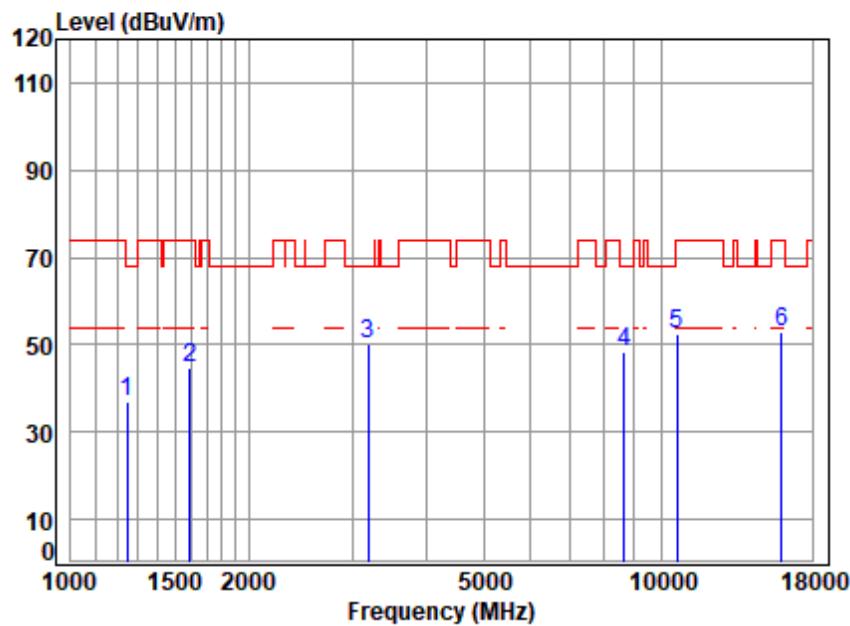
|   | Freq       | Cable | Ant    | Preamp | Read  | Limit  | Over   | Remark      |
|---|------------|-------|--------|--------|-------|--------|--------|-------------|
|   |            | Loss  | Factor | Factor | Level | Level  | Line   |             |
|   | MHz        | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB          |
| 1 | 1122.563   | 3.58  | 23.79  | 54.65  | 62.58 | 35.30  | 74.00  | -38.70 peak |
| 2 | 1597.181   | 4.18  | 26.81  | 54.80  | 59.08 | 35.27  | 74.00  | -38.73 peak |
| 3 | 4430.628   | 7.17  | 34.43  | 54.25  | 56.43 | 43.78  | 68.20  | -24.42 peak |
| 4 | 8416.584   | 9.45  | 36.67  | 53.32  | 54.45 | 47.25  | 74.00  | -26.75 peak |
| 5 | 10640.000  | 11.45 | 37.22  | 53.07  | 56.91 | 52.51  | 74.00  | -21.49 peak |
| 6 | p15960.000 | 14.30 | 41.52  | 51.83  | 49.34 | 53.33  | 74.00  | -20.67 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 <https://www.sgs.com/en/Terms-and-Conditions>. 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@sgs.com](mailto:CN_Doccheck@sgs.com)



Test Mode: 03; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 04305AT/04306AT  
 Mode : 5320 TX SE  
 Note : 5G WIFI 11A

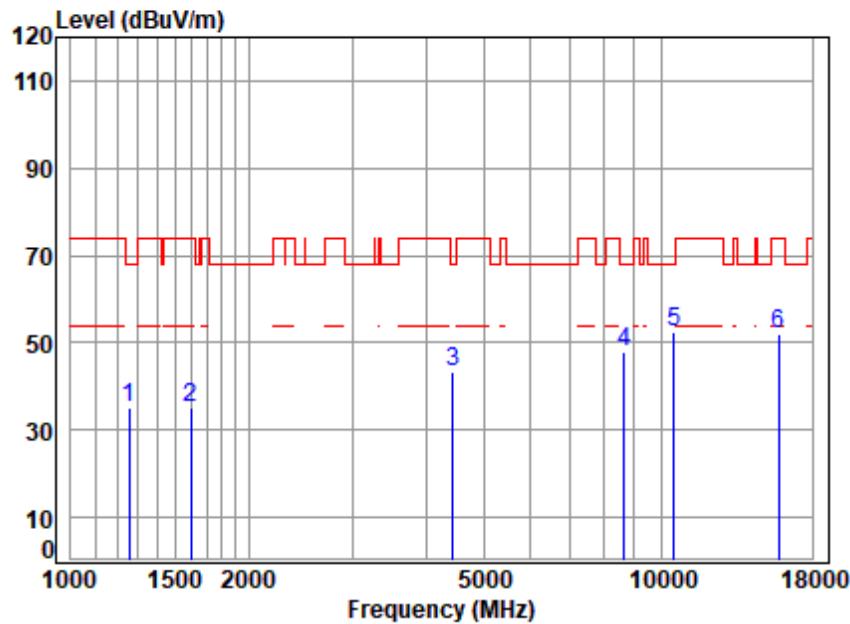
|     | Freq      | Cable | Ant    | Preamp | Read  | Limit  | Over   | Remark      |
|-----|-----------|-------|--------|--------|-------|--------|--------|-------------|
|     |           | Loss  | Factor | Factor | Level |        |        |             |
|     | MHz       | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB          |
| 1   | 1245.663  | 3.74  | 25.04  | 54.70  | 62.89 | 36.97  | 68.20  | -31.23 peak |
| 2   | 1592.571  | 4.18  | 26.83  | 54.80  | 68.60 | 44.81  | 74.00  | -29.19 peak |
| 3 p | 3186.869  | 6.25  | 32.79  | 54.85  | 66.18 | 50.37  | 68.20  | -17.83 peak |
| 4   | 8663.404  | 9.66  | 36.90  | 53.44  | 55.04 | 48.16  | 68.20  | -20.04 peak |
| 5   | 10640.000 | 11.45 | 37.22  | 53.07  | 57.02 | 52.62  | 74.00  | -21.38 peak |
| 6   | 15960.000 | 14.30 | 41.52  | 51.83  | 48.96 | 52.95  | 74.00  | -21.05 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 <https://www.sgs.com/en/Terms-and-Conditions>. 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@sgs.com](mailto:CN_Doccheck@sgs.com)



Test Mode: 03; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 04305AT/04306AT  
Mode : 5260 TX SE  
Note : 5G WIFI 11N20

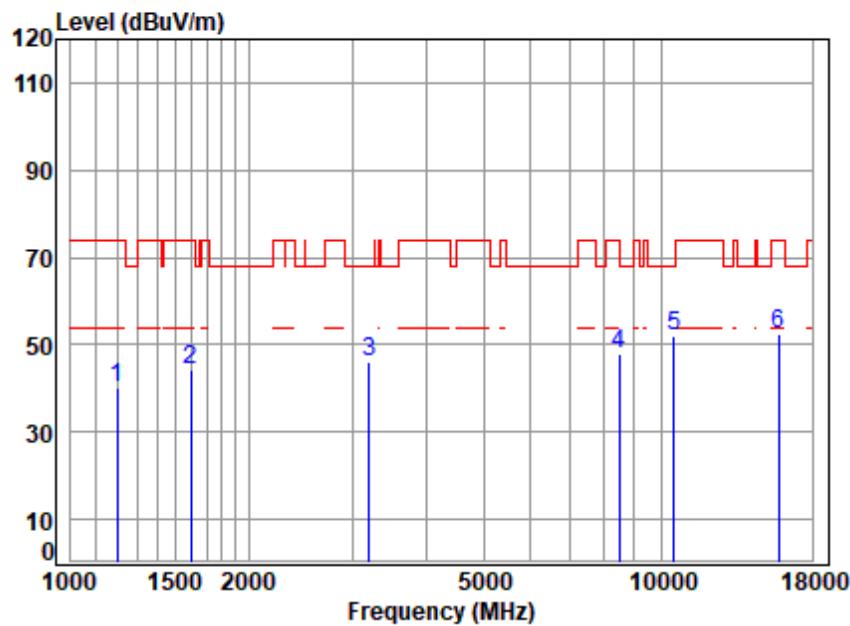
| Freq         | Cable Loss | Ant Factor | Preamp Factor | Read  | Limit Line | Over Limit | Remark      |
|--------------|------------|------------|---------------|-------|------------|------------|-------------|
|              |            |            |               | Level |            |            |             |
| MHz          | dB         | dB/m       | dB            | dBuV  | dBuV/m     | dBuV/m     | dB          |
| 1 1256.512   | 3.76       | 25.06      | 54.70         | 60.87 | 34.99      | 68.20      | -33.21 peak |
| 2 1597.181   | 4.18       | 26.81      | 54.80         | 58.72 | 34.91      | 74.00      | -39.09 peak |
| 3 4430.628   | 7.17       | 34.43      | 54.25         | 56.05 | 43.40      | 68.20      | -24.80 peak |
| 4 8663.404   | 9.66       | 36.90      | 53.44         | 54.89 | 48.01      | 68.20      | -20.19 peak |
| 5 p10520.000 | 11.37      | 37.30      | 53.09         | 57.00 | 52.58      | 68.20      | -15.62 peak |
| 6 15780.000  | 14.08      | 41.28      | 51.97         | 48.55 | 51.94      | 74.00      | -22.06 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 <https://www.sgs.com/en/Terms-and-Conditions>. 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@sgs.com](mailto:CN_Doccheck@sgs.com)



Test Mode: 03; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 04305AT/04306AT  
 Mode : 5260 TX SE  
 Note : 5G WIFI 11N20

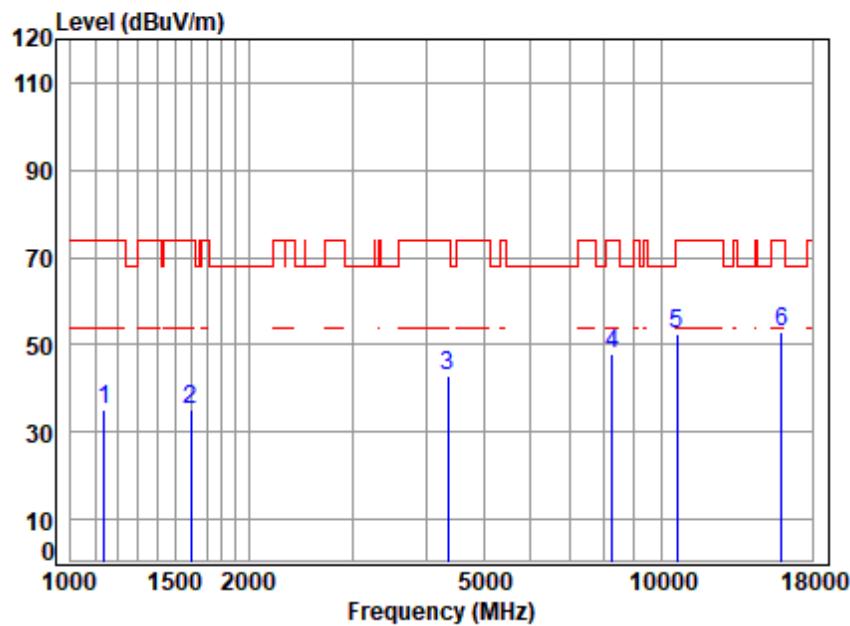
|   | Freq       | Cable | Ant    | Preamp | Read  | Limit  | Over   | Remark      |
|---|------------|-------|--------|--------|-------|--------|--------|-------------|
|   |            | Loss  | Factor | Factor | Level | Level  | Line   |             |
|   | MHz        | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB          |
| 1 | 1199.726   | 3.68  | 24.40  | 54.68  | 66.93 | 40.33  | 74.00  | -33.67 peak |
| 2 | 1597.181   | 4.18  | 26.81  | 54.80  | 68.23 | 44.42  | 74.00  | -29.58 peak |
| 3 | 3196.094   | 6.25  | 32.87  | 54.85  | 61.78 | 46.05  | 68.20  | -22.15 peak |
| 4 | 8489.882   | 9.52  | 36.68  | 53.35  | 54.86 | 47.71  | 74.00  | -26.29 peak |
| 5 | p10520.000 | 11.37 | 37.30  | 53.09  | 56.44 | 52.02  | 68.20  | -16.18 peak |
| 6 | 15780.000  | 14.08 | 41.28  | 51.97  | 49.23 | 52.62  | 74.00  | -21.38 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 <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755)83071443, or email: [CN\\_Doccheck@sgs.com](mailto:CN_Doccheck@sgs.com)



Test Mode: 03; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 04305AT/04306AT  
 Mode : 5320 TX SE  
 Note : 5G WIFI 11N20

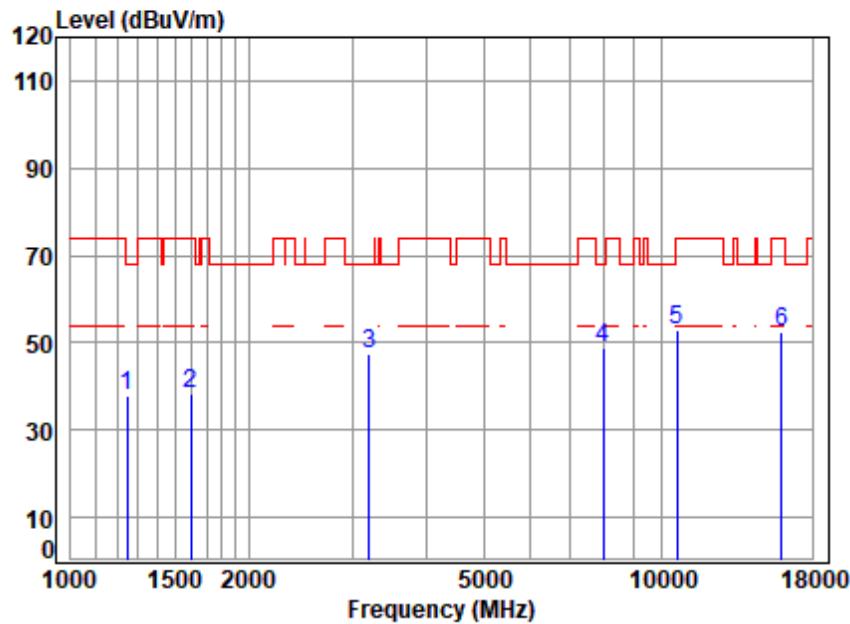
|   | Freq       | Cable | Ant   | Preamp | Read   | Limit | Over  | Remark      |
|---|------------|-------|-------|--------|--------|-------|-------|-------------|
|   |            | MHz   | Loss  | Factor | Factor | Level | Level |             |
| 1 | 1138.904   | 3.60  | 23.86 | 54.66  | 62.18  | 34.98 | 74.00 | -39.02 peak |
| 2 | 1597.181   | 4.18  | 26.81 | 54.80  | 58.82  | 35.01 | 74.00 | -38.99 peak |
| 3 | 4354.454   | 7.08  | 34.44 | 54.26  | 55.66  | 42.92 | 74.00 | -31.08 peak |
| 4 | 8271.880   | 9.31  | 36.70 | 53.24  | 54.92  | 47.69 | 74.00 | -26.31 peak |
| 5 | 10640.000  | 11.45 | 37.22 | 53.07  | 56.97  | 52.57 | 74.00 | -21.43 peak |
| 6 | p15960.000 | 14.30 | 41.52 | 51.83  | 48.74  | 52.73 | 74.00 | -21.27 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 <https://www.sgs.com/en/Terms-and-Conditions>. 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@sgs.com](mailto:CN_Doccheck@sgs.com)



Test Mode: 03; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 04305AT/04306AT  
 Mode : 5320 TX SE  
 Note : 5G WIFI 11N20

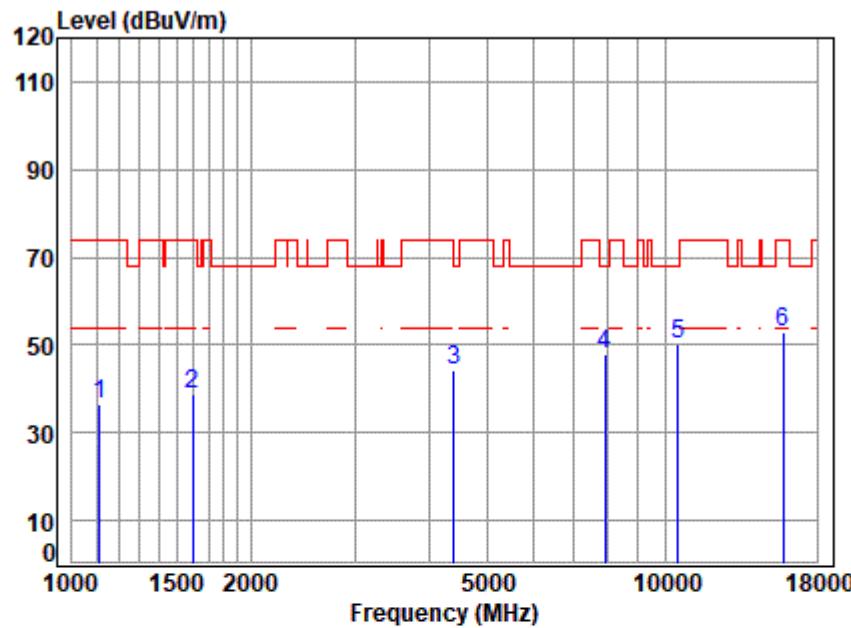
|     | Freq      | Cable | Ant    | Preamp | Read  | Limit  | Over   | Remark      |
|-----|-----------|-------|--------|--------|-------|--------|--------|-------------|
|     |           | Loss  | Factor | Factor | Level | Level  | Line   |             |
|     | MHz       | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB          |
| 1   | 1245.663  | 3.74  | 25.04  | 54.70  | 63.62 | 37.70  | 68.20  | -30.50 peak |
| 2   | 1597.181  | 4.18  | 26.81  | 54.80  | 62.24 | 38.43  | 74.00  | -35.57 peak |
| 3   | 3196.094  | 6.25  | 32.87  | 54.85  | 63.29 | 47.56  | 68.20  | -20.64 peak |
| 4 p | 7989.893  | 9.02  | 36.40  | 53.10  | 56.41 | 48.73  | 68.20  | -19.47 peak |
| 5   | 10640.000 | 11.45 | 37.22  | 53.07  | 57.14 | 52.74  | 74.00  | -21.26 peak |
| 6   | 15960.000 | 14.30 | 41.52  | 51.83  | 48.47 | 52.46  | 74.00  | -21.54 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 <https://www.sgs.com/en/Terms-and-Conditions>. 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@sgs.com](mailto:CN_Doccheck@sgs.com)



Test Mode: 03; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 04305AT/04306AT  
Mode : 5260 TX SE  
Note : 5G WIFI 11AC20

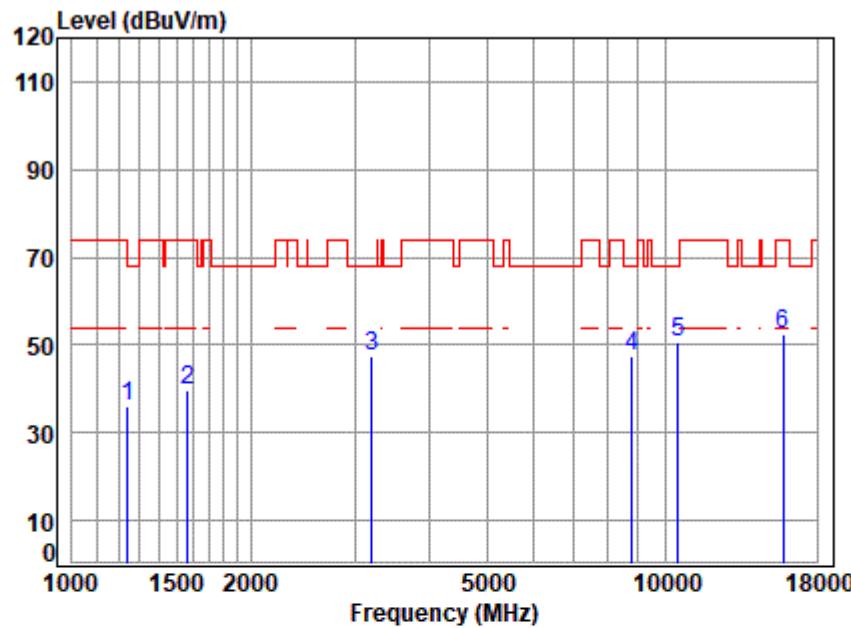
| Freq         | Cable Loss | Ant Factor | Preamp Factor | Read Level | Limit Level | Limit Line | Over Limit | Remark |  |
|--------------|------------|------------|---------------|------------|-------------|------------|------------|--------|--|
|              |            |            |               |            |             |            |            | dB     |  |
| 1 1112.872   | 3.56       | 23.75      | 54.65         | 63.73      | 36.39       | 74.00      | -37.61     | peak   |  |
| 2 1597.181   | 4.18       | 26.81      | 54.80         | 62.82      | 39.01       | 74.00      | -34.99     | peak   |  |
| 3 4405.090   | 7.14       | 34.74      | 54.26         | 56.73      | 44.35       | 68.20      | -23.85     | peak   |  |
| 4 7920.911   | 8.93       | 36.46      | 53.11         | 55.61      | 47.89       | 68.20      | -20.31     | peak   |  |
| 5 p10520.000 | 11.37      | 37.30      | 53.09         | 54.77      | 50.35       | 68.20      | -17.85     | peak   |  |
| 6 15780.000  | 14.08      | 41.28      | 51.97         | 49.59      | 52.98       | 74.00      | -21.02     | 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 <https://www.sgs.com/en/Terms-and-Conditions>. 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@sgs.com](mailto:CN_Doccheck@sgs.com)



Test Mode: 03; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



Site : chamber  
Condition: 3m VERTICAL  
Job No : 04305AT/04306AT  
Mode : 5260 TX SE  
Note : 5G WIFI 11AC20

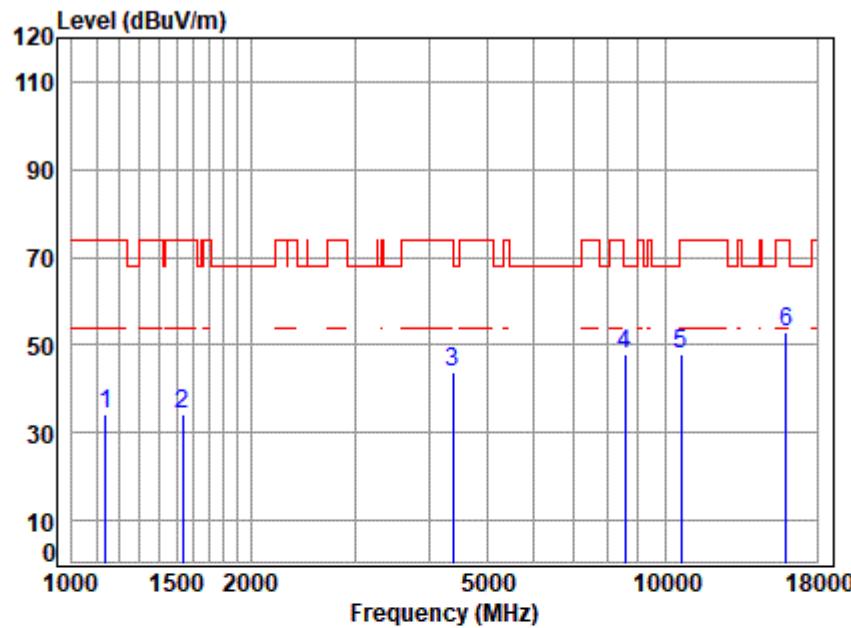
| Freq         | Cable Loss | Ant Factor | Preamp Factor | Read Level | Limit |       | Over Line | Over Limit | Remark |
|--------------|------------|------------|---------------|------------|-------|-------|-----------|------------|--------|
|              |            |            |               |            | dB    | dBuV  | dBuV/m    | dBuV/m     |        |
| 1 1242.068   | 3.74       | 24.99      | 54.69         | 62.21      | 36.25 | 68.20 | -31.95    | peak       |        |
| 2 1565.191   | 4.14       | 26.94      | 54.79         | 63.63      | 39.92 | 74.00 | -34.08    | peak       |        |
| 3 3196.094   | 6.25       | 32.87      | 54.85         | 63.19      | 47.46 | 68.20 | -20.74    | peak       |        |
| 4 8789.516   | 9.76       | 37.06      | 53.50         | 54.32      | 47.64 | 68.20 | -20.56    | peak       |        |
| 5 p10520.000 | 11.37      | 37.30      | 53.09         | 55.14      | 50.72 | 68.20 | -17.48    | peak       |        |
| 6 15780.000  | 14.08      | 41.28      | 51.97         | 49.02      | 52.41 | 74.00 | -21.59    | 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 <https://www.sgs.com/en/Terms-and-Conditions>. 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@sgs.com](mailto:CN_Doccheck@sgs.com)



Test Mode: 03; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 04305AT/04306AT  
Mode : 5320 TX SE  
Note : 5G WIFI 11AC20

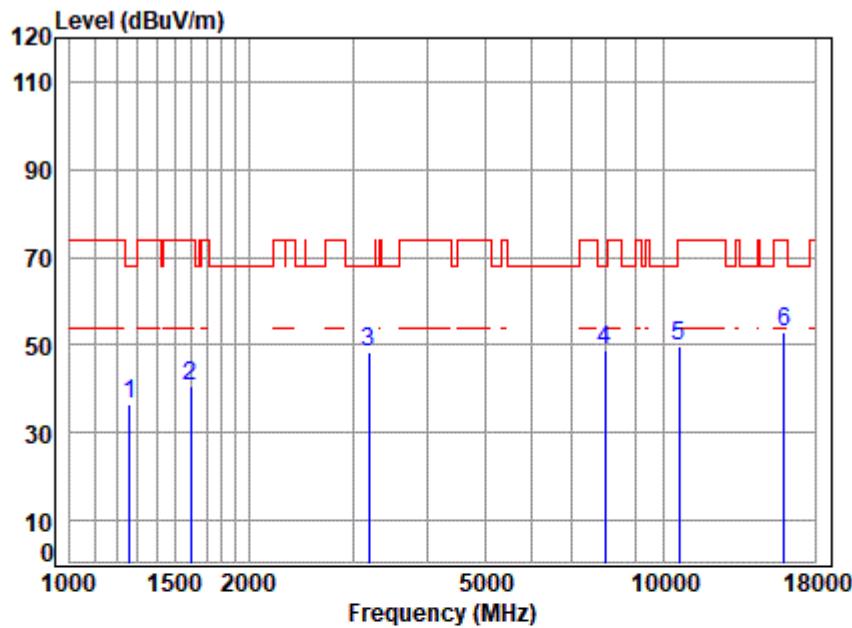
| Freq         | Cable Loss | Ant Factor | Preamp Factor | Read Level | Limit Level | Limit Line | Over Limit | Remark |  |
|--------------|------------|------------|---------------|------------|-------------|------------|------------|--------|--|
|              |            |            |               |            |             |            |            | dB     |  |
| 1 1138.904   | 3.60       | 23.86      | 54.66         | 61.58      | 34.38       | 74.00      | -39.62     | peak   |  |
| 2 1533.841   | 4.09       | 26.94      | 54.79         | 58.11      | 34.35       | 74.00      | -39.65     | peak   |  |
| 3 4379.699   | 7.11       | 34.64      | 54.26         | 56.27      | 43.76       | 74.00      | -30.24     | peak   |  |
| 4 p 8563.818 | 9.58       | 36.83      | 53.39         | 54.98      | 48.00       | 68.20      | -20.20     | peak   |  |
| 5 10640.000  | 11.45      | 37.22      | 53.07         | 52.29      | 47.89       | 74.00      | -26.11     | peak   |  |
| 6 15960.000  | 14.30      | 41.52      | 51.83         | 48.92      | 52.91       | 74.00      | -21.09     | 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 <https://www.sgs.com/en/Terms-and-Conditions>. 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@sgs.com](mailto:CN_Doccheck@sgs.com)



Test Mode: 03; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



Site : chamber  
Condition: 3m VERTICAL  
Job No : 04305AT/04306AT  
Mode : 5320 TX SE  
Note : 5G WIFI 11AC20

| Freq         | Cable Loss | Ant Factor | Preamp Factor | Read Level | Limit Level | Limit Line | Over Limit | Remark |  |
|--------------|------------|------------|---------------|------------|-------------|------------|------------|--------|--|
|              |            |            |               |            |             |            |            | dB     |  |
| 1 1260.149   | 3.76       | 25.04      | 54.70         | 62.33      | 36.43       | 68.20      | -31.77     | peak   |  |
| 2 1597.181   | 4.18       | 26.81      | 54.80         | 64.61      | 40.80       | 74.00      | -33.20     | peak   |  |
| 3 3186.869   | 6.25       | 32.79      | 54.85         | 64.10      | 48.29       | 68.20      | -19.91     | peak   |  |
| 4 p 7966.832 | 8.99       | 36.40      | 53.10         | 56.53      | 48.82       | 68.20      | -19.38     | peak   |  |
| 5 10640.000  | 11.45      | 37.22      | 53.07         | 54.33      | 49.93       | 74.00      | -24.07     | peak   |  |
| 6 15960.000  | 14.30      | 41.52      | 51.83         | 49.13      | 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 <https://www.sgs.com/en/Terms-and-Conditions>. 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.

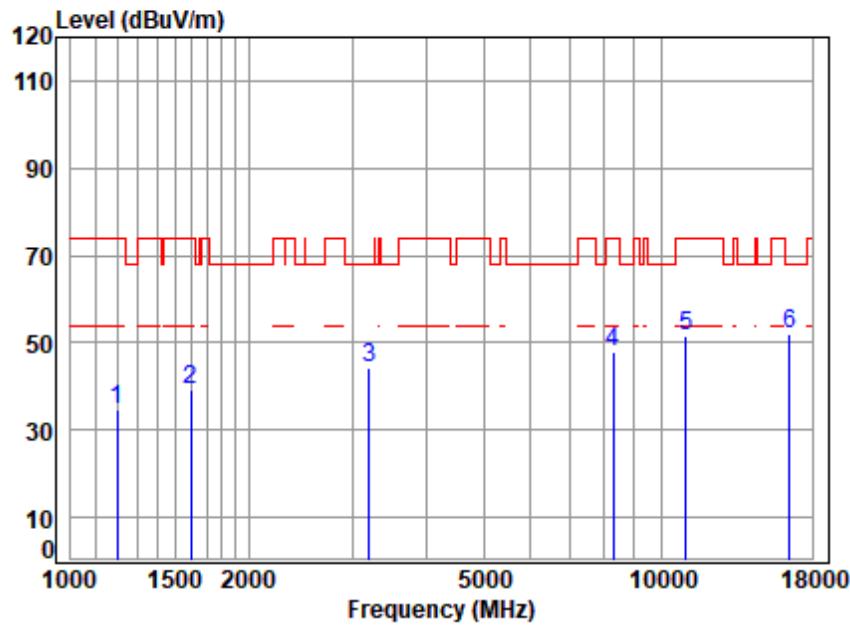
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN\\_Doccheck@sgs.com](mailto:CN_Doccheck@sgs.com)

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](http://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](mailto:sgs.china@sgs.com)



Test Mode: 04; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 04305AT/04306AT  
 Mode : 5500 TX SE  
 Note : 5G WIFI 11A

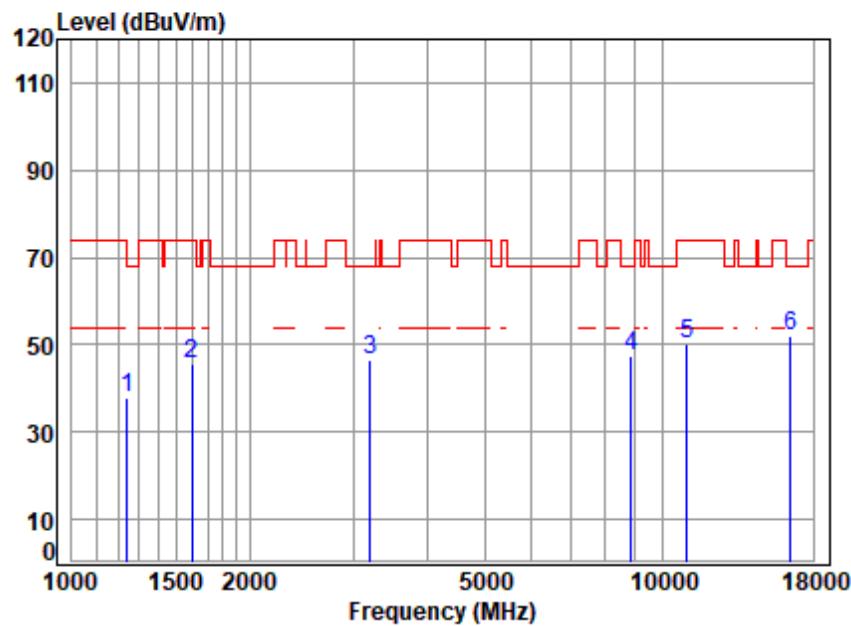
|   | Freq       | Cable | Ant    | Preamp | Read  | Limit  | Over   | Remark      |
|---|------------|-------|--------|--------|-------|--------|--------|-------------|
|   |            | Loss  | Factor | Factor | Level | Level  | Line   |             |
|   | MHz        | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB          |
| 1 | 1199.726   | 3.68  | 24.40  | 54.68  | 61.31 | 34.71  | 74.00  | -39.29 peak |
| 2 | 1597.181   | 4.18  | 26.81  | 54.80  | 62.96 | 39.15  | 74.00  | -34.85 peak |
| 3 | 3196.094   | 6.25  | 32.87  | 54.85  | 59.96 | 44.23  | 68.20  | -23.97 peak |
| 4 | 8295.823   | 9.33  | 36.70  | 53.25  | 54.93 | 47.71  | 74.00  | -26.29 peak |
| 5 | 11000.000  | 11.68 | 37.50  | 53.00  | 55.55 | 51.73  | 74.00  | -22.27 peak |
| 6 | p16500.000 | 13.99 | 42.10  | 52.36  | 48.17 | 51.90  | 68.20  | -16.30 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 <https://www.sgs.com/en/Terms-and-Conditions>. 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@sgs.com](mailto:CN_Doccheck@sgs.com)



Test Mode: 04; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 04305AT/04306AT  
 Mode : 5500 TX SE  
 Note : 5G WIFI 11A

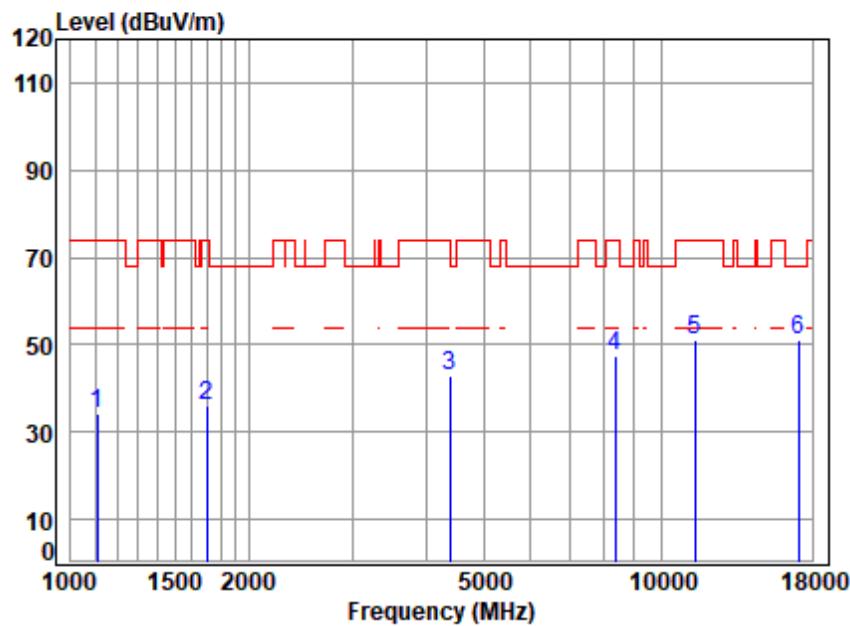
|   | Freq       | Cable | Ant    | Preamp | Read  | Limit  | Over   | Remark      |
|---|------------|-------|--------|--------|-------|--------|--------|-------------|
|   |            | Loss  | Factor | Factor | Level | Level  | Line   |             |
|   | MHz        | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB          |
| 1 | 1242.068   | 3.74  | 24.99  | 54.69  | 63.64 | 37.68  | 68.20  | -30.52 peak |
| 2 | 1597.181   | 4.18  | 26.81  | 54.80  | 69.66 | 45.85  | 74.00  | -28.15 peak |
| 3 | 3196.094   | 6.25  | 32.87  | 54.85  | 62.29 | 46.56  | 68.20  | -21.64 peak |
| 4 | 8840.473   | 9.80  | 37.18  | 53.52  | 53.92 | 47.38  | 68.20  | -20.82 peak |
| 5 | 11000.000  | 11.68 | 37.50  | 53.00  | 54.22 | 50.40  | 74.00  | -23.60 peak |
| 6 | p16500.000 | 13.99 | 42.10  | 52.36  | 48.50 | 52.23  | 68.20  | -15.97 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 <https://www.sgs.com/en/Terms-and-Conditions>. 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@sgs.com](mailto:CN_Doccheck@sgs.com)



Test Mode: 04; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 04305AT/04306AT  
Mode : 5700 TX SE  
Note : 5G WIFI 11A

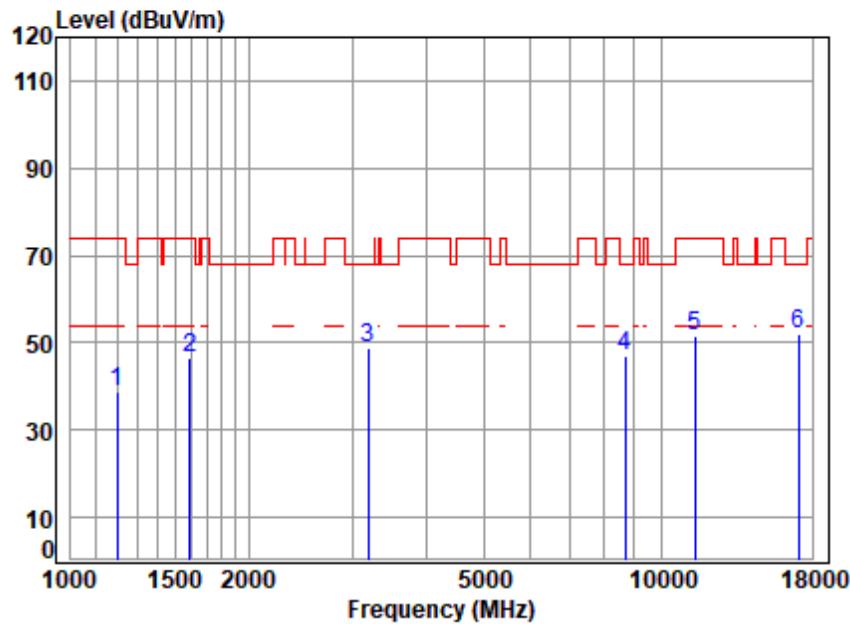
| Freq         | Cable Loss | Ant Factor | Preamp Factor | Read  | Limit Line | Over Limit | Remark      |
|--------------|------------|------------|---------------|-------|------------|------------|-------------|
|              |            |            |               | Level |            |            |             |
| MHz          | dB         | dB/m       | dB            | dBuV  | dBuV/m     | dBuV/m     | dB          |
| 1 1109.660   | 3.56       | 23.74      | 54.65         | 61.58 | 34.23      | 74.00      | -39.77 peak |
| 2 1702.042   | 4.33       | 26.22      | 54.83         | 60.49 | 36.21      | 74.00      | -37.79 peak |
| 3 4379.699   | 7.11       | 34.64      | 54.26         | 55.36 | 42.85      | 74.00      | -31.15 peak |
| 4 8343.918   | 9.38       | 36.70      | 53.28         | 54.81 | 47.61      | 74.00      | -26.39 peak |
| 5 11400.000  | 11.90      | 37.70      | 53.08         | 54.76 | 51.28      | 74.00      | -22.72 peak |
| 6 p17100.000 | 14.44      | 43.10      | 52.85         | 46.50 | 51.19      | 68.20      | -17.01 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 <https://www.sgs.com/en/Terms-and-Conditions>. 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@sgs.com](mailto:CN_Doccheck@sgs.com)



Test Mode: 04; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 04305AT/04306AT  
 Mode : 5700 TX SE  
 Note : 5G WIFI 11A

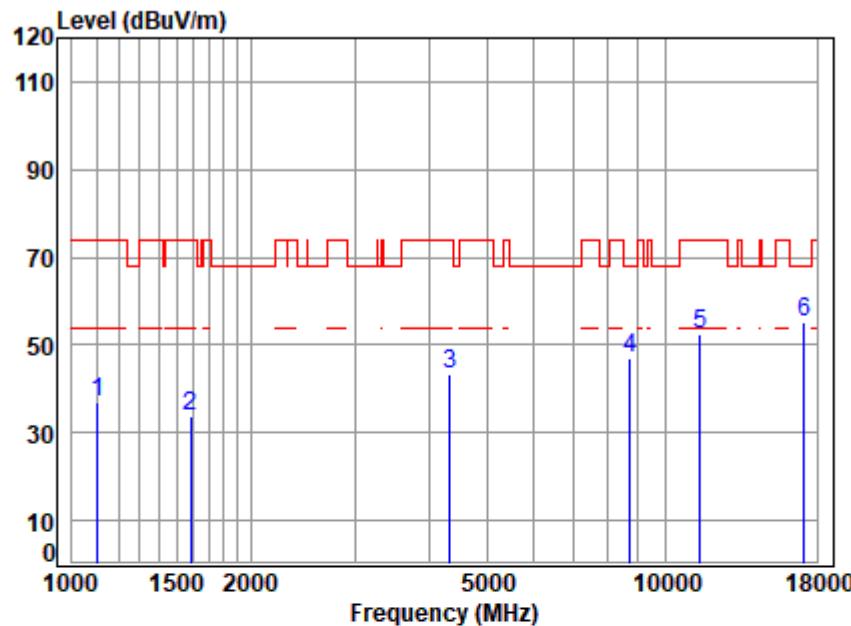
|   | Freq       | Cable | Ant    | Preamp | Read  | Limit  | Over   | Remark      |
|---|------------|-------|--------|--------|-------|--------|--------|-------------|
|   |            | Loss  | Factor | Factor | Level | Level  | Line   |             |
|   | MHz        | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB          |
| 1 | 1199.726   | 3.68  | 24.40  | 54.68  | 65.57 | 38.97  | 74.00  | -35.03 peak |
| 2 | 1592.571   | 4.18  | 26.83  | 54.80  | 70.28 | 46.49  | 74.00  | -27.51 peak |
| 3 | 3186.869   | 6.25  | 32.79  | 54.85  | 64.67 | 48.86  | 68.20  | -19.34 peak |
| 4 | 8688.480   | 9.68  | 36.90  | 53.45  | 53.99 | 47.12  | 68.20  | -21.08 peak |
| 5 | 11400.000  | 11.90 | 37.70  | 53.08  | 55.14 | 51.66  | 74.00  | -22.34 peak |
| 6 | p17100.000 | 14.44 | 43.10  | 52.85  | 47.28 | 51.97  | 68.20  | -16.23 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 <https://www.sgs.com/en/Terms-and-Conditions>. 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@sgs.com](mailto:CN_Doccheck@sgs.com)



Test Mode: 04; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 04305AT/04306AT  
Mode : 5720 TX SE  
Note : 5G WIFI 11A

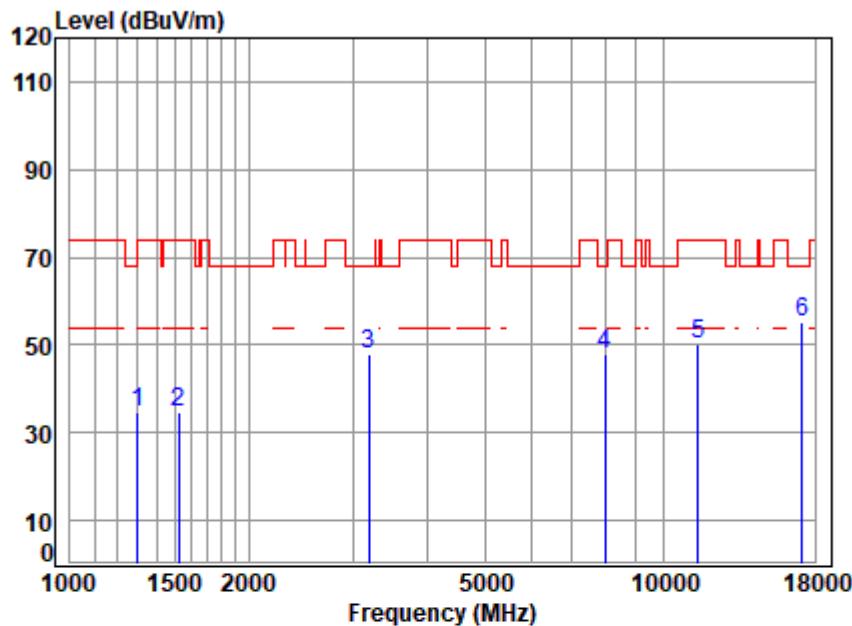
| Freq         | Cable Loss | Ant Factor | Preamp Factor | Read Level | Limit Level | Limit Line | Over Limit | Remark |  |
|--------------|------------|------------|---------------|------------|-------------|------------|------------|--------|--|
|              |            |            |               |            |             |            |            | dB     |  |
| 1 1103.264   | 3.55       | 23.71      | 54.64         | 64.33      | 36.95       | 74.00      | -37.05     | peak   |  |
| 2 1587.975   | 4.17       | 26.85      | 54.80         | 57.40      | 33.62       | 74.00      | -40.38     | peak   |  |
| 3 4341.886   | 7.07       | 34.34      | 54.26         | 56.28      | 43.43       | 74.00      | -30.57     | peak   |  |
| 4 8713.630   | 9.70       | 36.90      | 53.46         | 54.08      | 47.22       | 68.20      | -20.98     | peak   |  |
| 5 11440.000  | 11.92      | 37.74      | 53.09         | 56.03      | 52.60       | 74.00      | -21.40     | peak   |  |
| 6 p17160.000 | 14.50      | 43.04      | 52.82         | 50.33      | 55.05       | 68.20      | -13.15     | 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 <https://www.sgs.com/en/Terms-and-Conditions>. 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@sgs.com](mailto:CN_Doccheck@sgs.com)



Test Mode: 04; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Site : chamber  
Condition: 3m VERTICAL  
Job No : 04305AT/04306AT  
Mode : 5720 TX SE  
Note : 5G WIFI 11A

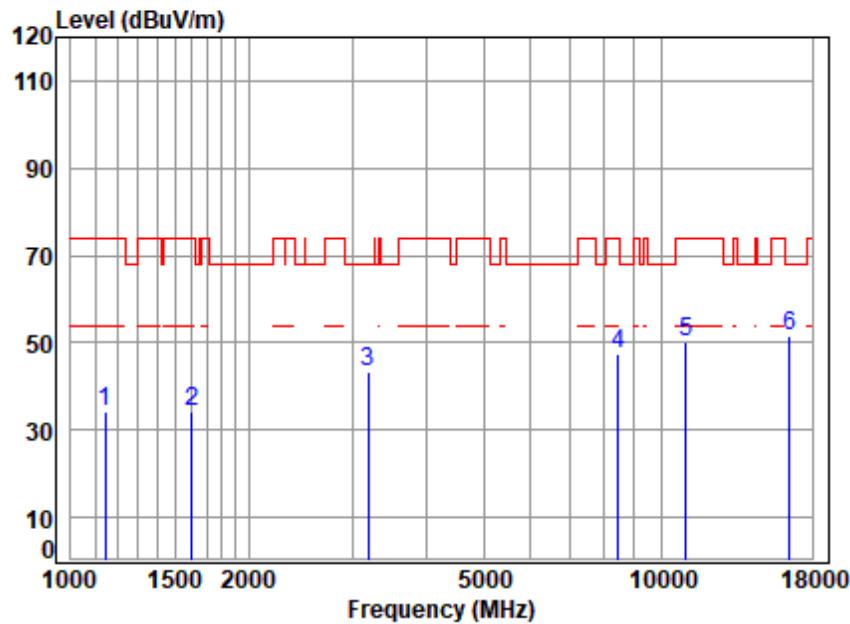
| Freq         | Cable Loss | Ant Factor | Preamp Factor | Read Level | Limit |       | Over Limit | Remark |
|--------------|------------|------------|---------------|------------|-------|-------|------------|--------|
|              |            |            |               |            | dB    | dBuV  | dBuV/m     | dBuV/m |
| 1 1300.858   | 3.81       | 24.79      | 54.71         | 60.83      | 34.72 | 74.00 | -39.28     | peak   |
| 2 1525.000   | 4.08       | 26.90      | 54.78         | 58.28      | 34.48 | 74.00 | -39.52     | peak   |
| 3 3186.869   | 6.25       | 32.79      | 54.85         | 63.74      | 47.93 | 68.20 | -20.27     | peak   |
| 4 7989.893   | 9.02       | 36.40      | 53.10         | 55.68      | 48.00 | 68.20 | -20.20     | peak   |
| 5 11440.000  | 11.92      | 37.74      | 53.09         | 53.58      | 50.15 | 74.00 | -23.85     | peak   |
| 6 p17160.000 | 14.50      | 43.04      | 52.82         | 50.58      | 55.30 | 68.20 | -12.90     | 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 <https://www.sgs.com/en/Terms-and-Conditions>. 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@sgs.com](mailto:CN_Doccheck@sgs.com)



Test Mode: 04; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 04305AT/04306AT  
Mode : 5500 TX SE  
Note : 5G WIFI 11N20

|   | Freq       | Cable | Ant    | Preamp | Read  | Limit  | Over   | Remark      |
|---|------------|-------|--------|--------|-------|--------|--------|-------------|
|   |            | Loss  | Factor | Factor | Level | Level  | Line   |             |
|   | MHz        | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB          |
| 1 | 1142.201   | 3.60  | 23.87  | 54.66  | 61.25 | 34.06  | 74.00  | -39.94 peak |
| 2 | 1601.804   | 4.19  | 26.78  | 54.80  | 57.82 | 33.99  | 74.00  | -40.01 peak |
| 3 | 3186.869   | 6.25  | 32.79  | 54.85  | 59.28 | 43.47  | 68.20  | -24.73 peak |
| 4 | 8465.379   | 9.50  | 36.63  | 53.34  | 54.88 | 47.67  | 74.00  | -26.33 peak |
| 5 | 11000.000  | 11.68 | 37.50  | 53.00  | 54.05 | 50.23  | 74.00  | -23.77 peak |
| 6 | p16500.000 | 13.99 | 42.10  | 52.36  | 47.84 | 51.57  | 68.20  | -16.63 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 <https://www.sgs.com/en/Terms-and-Conditions>. 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.

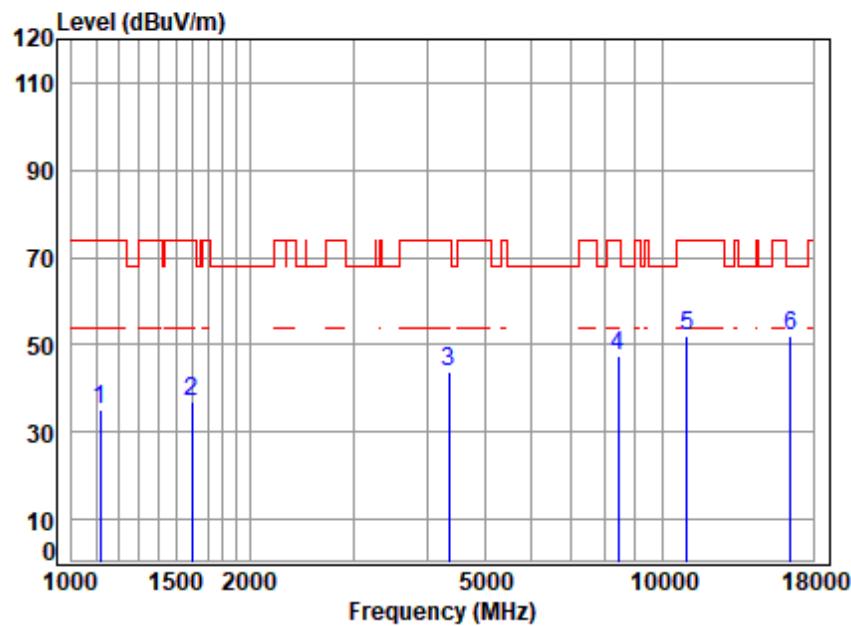
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN\\_Doccheck@sgs.com](mailto:CN_Doccheck@sgs.com)

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](http://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](mailto:sgs.china@sgs.com)



Test Mode: 04; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 04305AT/04306AT  
 Mode : 5500 TX SE  
 Note : 5G WIFI 11N20

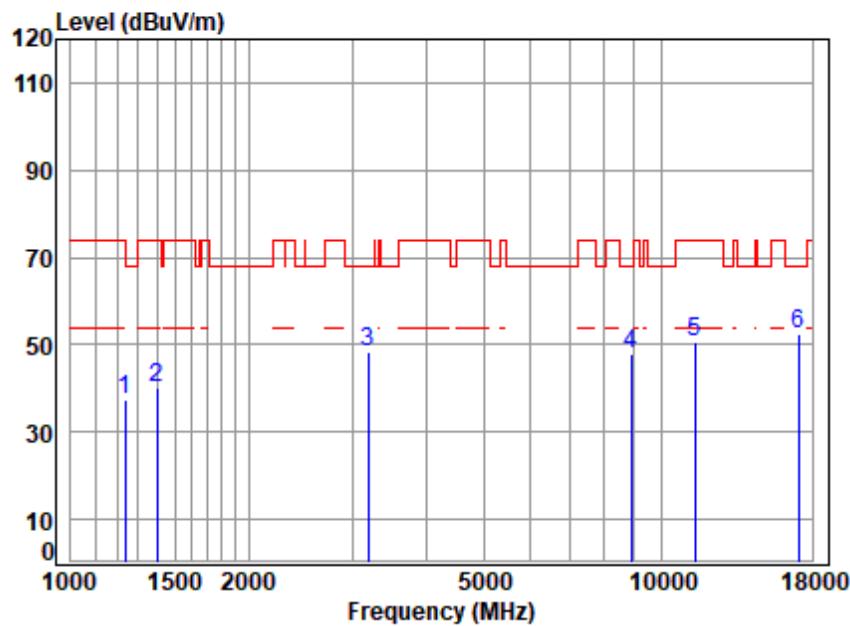
|   | Freq       | Cable | Ant    | Preamp | Read  | Limit  | Over   | Remark      |
|---|------------|-------|--------|--------|-------|--------|--------|-------------|
|   |            | Loss  | Factor | Factor | Level | Level  | Line   |             |
|   | MHz        | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB          |
| 1 | 1116.093   | 3.57  | 23.76  | 54.65  | 62.39 | 35.07  | 74.00  | -38.93 peak |
| 2 | 1597.181   | 4.18  | 26.81  | 54.80  | 60.58 | 36.77  | 74.00  | -37.23 peak |
| 3 | 4354.454   | 7.08  | 34.44  | 54.26  | 56.61 | 43.87  | 74.00  | -30.13 peak |
| 4 | 8416.584   | 9.45  | 36.67  | 53.32  | 54.61 | 47.41  | 74.00  | -26.59 peak |
| 5 | 11000.000  | 11.68 | 37.50  | 53.00  | 55.68 | 51.86  | 74.00  | -22.14 peak |
| 6 | p16500.000 | 13.99 | 42.10  | 52.36  | 48.10 | 51.83  | 68.20  | -16.37 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 <https://www.sgs.com/en/Terms-and-Conditions>. 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@sgs.com](mailto:CN_Doccheck@sgs.com)



Test Mode: 04; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 04305AT/04306AT  
 Mode : 5700 TX SE  
 Note : 5G WIFI 11N20

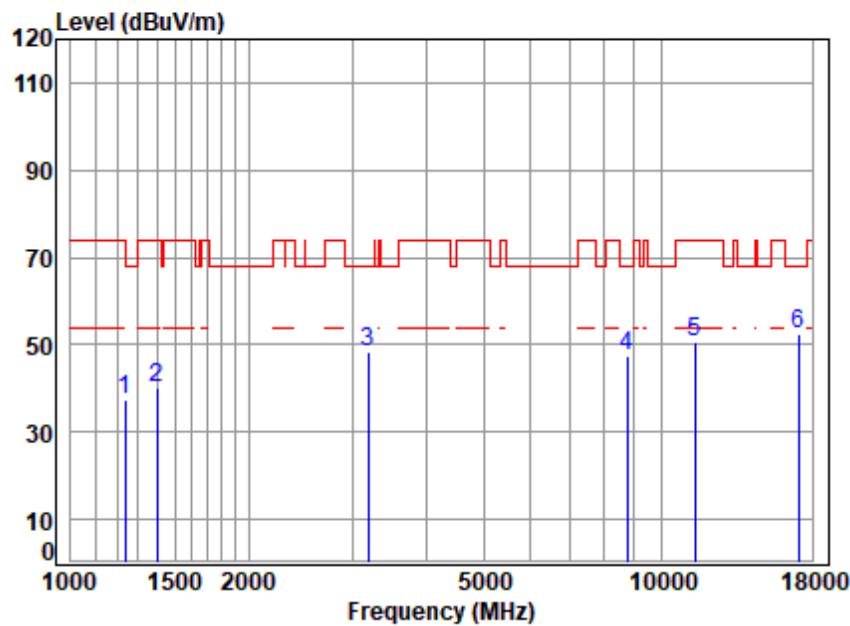
|   | Freq       | Cable | Ant    | Preamp | Read  | Limit  | Over   | Remark      |
|---|------------|-------|--------|--------|-------|--------|--------|-------------|
|   |            | Loss  | Factor | Factor | Level | Level  | Line   |             |
|   | MHz        | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB          |
| 1 | 1238.483   | 3.73  | 24.94  | 54.69  | 63.41 | 37.39  | 74.00  | -36.61 peak |
| 2 | 1398.336   | 3.93  | 24.60  | 54.75  | 66.24 | 40.02  | 74.00  | -33.98 peak |
| 3 | 3186.869   | 6.25  | 32.79  | 54.85  | 64.05 | 48.24  | 68.20  | -19.96 peak |
| 4 | 8891.725   | 9.84  | 37.20  | 53.55  | 54.34 | 47.83  | 68.20  | -20.37 peak |
| 5 | 11400.000  | 11.90 | 37.70  | 53.08  | 54.25 | 50.77  | 74.00  | -23.23 peak |
| 6 | p17100.000 | 14.44 | 43.10  | 52.85  | 47.81 | 52.50  | 68.20  | -15.70 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 <https://www.sgs.com/en/Terms-and-Conditions>. 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@sgs.com](mailto:CN_Doccheck@sgs.com)



Test Mode: 04; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Site : chamber  
Condition: 3m VERTICAL  
Job No : 04305AT/04306AT  
Mode : 5700 TX SE  
Note : 5G WIFI 11N20

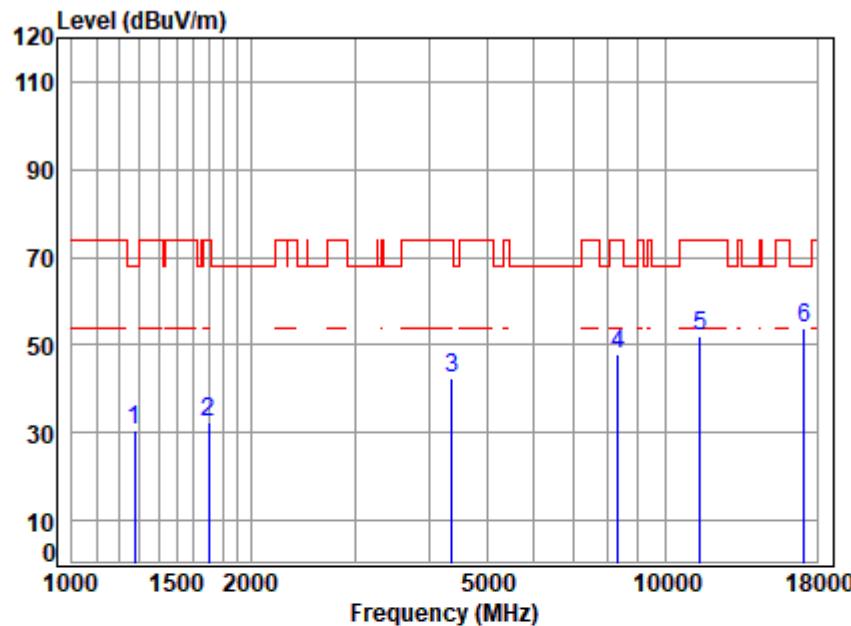
|   | Freq       | Cable | Ant    | Preamp | Read  | Limit  | Over   | Remark      |
|---|------------|-------|--------|--------|-------|--------|--------|-------------|
|   |            | Loss  | Factor | Factor | Level |        |        |             |
|   | MHz        | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB          |
| 1 | 1238.483   | 3.73  | 24.94  | 54.69  | 63.41 | 37.39  | 74.00  | -36.61 peak |
| 2 | 1398.336   | 3.93  | 24.60  | 54.75  | 66.24 | 40.02  | 74.00  | -33.98 peak |
| 3 | 3186.869   | 6.25  | 32.79  | 54.85  | 64.05 | 48.24  | 68.20  | -19.96 peak |
| 4 | 8764.146   | 9.74  | 36.96  | 53.49  | 54.45 | 47.66  | 68.20  | -20.54 peak |
| 5 | 11400.000  | 11.90 | 37.70  | 53.08  | 53.96 | 50.48  | 74.00  | -23.52 peak |
| 6 | p17100.000 | 14.44 | 43.10  | 52.85  | 47.81 | 52.50  | 68.20  | -15.70 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 <https://www.sgs.com/en/Terms-and-Conditions>. 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@sgs.com](mailto:CN_Doccheck@sgs.com)



Test Mode: 04; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 04305AT/04306AT  
 Mode : 5720 TX SE  
 Note : 5G WIFI 11N20

| Freq         | Cable Loss | Ant Factor | Preamp Factor | Read Level | Limit |       | Over Limit | Remark |
|--------------|------------|------------|---------------|------------|-------|-------|------------|--------|
|              |            |            |               |            | dB    | dBuV  | dBuV/m     | dBuV/m |
| 1 1274.802   | 3.78       | 24.95      | 54.71         | 56.63      | 30.65 | 68.20 | -37.55     | peak   |
| 2 1697.129   | 4.32       | 26.21      | 54.83         | 56.91      | 32.61 | 74.00 | -41.39     | peak   |
| 3 4367.058   | 7.10       | 34.54      | 54.26         | 55.02      | 42.40 | 74.00 | -31.60     | peak   |
| 4 8319.836   | 9.35       | 36.70      | 53.27         | 54.96      | 47.74 | 74.00 | -26.26     | peak   |
| 5 11440.000  | 11.92      | 37.74      | 53.09         | 55.60      | 52.17 | 74.00 | -21.83     | peak   |
| 6 p17160.000 | 14.50      | 43.04      | 52.82         | 48.99      | 53.71 | 68.20 | -14.49     | 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 <https://www.sgs.com/en/Terms-and-Conditions>. 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.

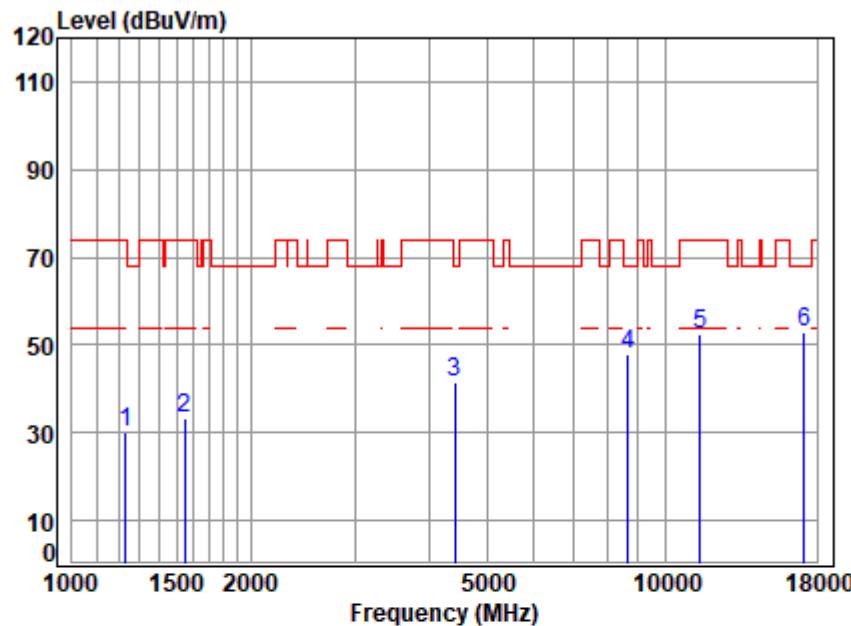
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN\\_Doccheck@sgs.com](mailto:CN_Doccheck@sgs.com)

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](http://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](mailto:sgs.china@sgs.com)



Test Mode: 04; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Site : chamber  
Condition: 3m VERTICAL  
Job No : 04305AT/04306AT  
Mode : 5720 TX SE  
Note : 5G WIFI 11N20

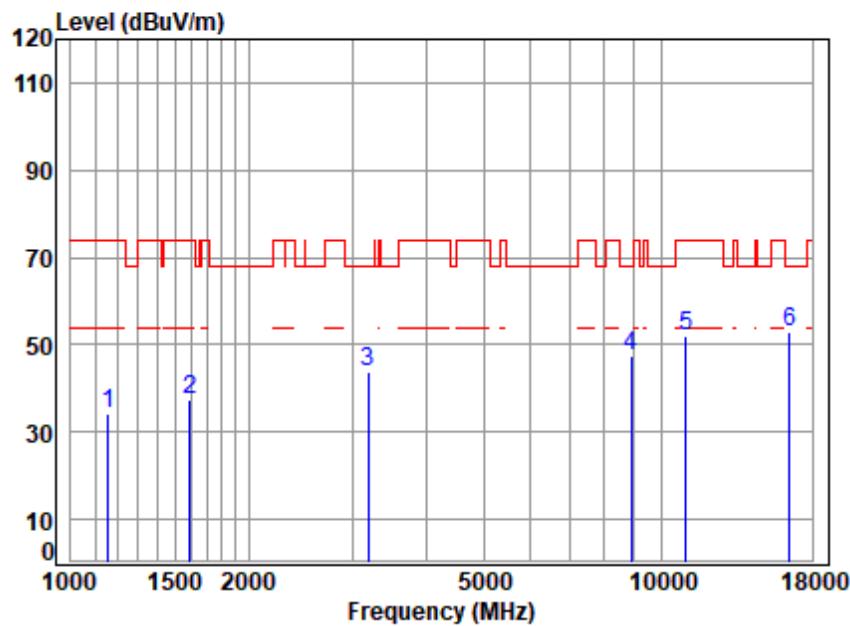
| Freq         | Cable Loss | Ant Factor | Preamp Factor | Read Level | Limit |       | Over Limit | Remark |
|--------------|------------|------------|---------------|------------|-------|-------|------------|--------|
|              |            |            |               |            | dB    | dBuV  | dBuV/m     | dBuV/m |
| 1 1231.345   | 3.72       | 24.84      | 54.69         | 56.44      | 30.31 | 74.00 | -43.69     | peak   |
| 2 1547.199   | 4.11       | 26.99      | 54.79         | 57.17      | 33.48 | 74.00 | -40.52     | peak   |
| 3 4417.841   | 7.16       | 34.59      | 54.26         | 54.16      | 41.65 | 68.20 | -26.55     | peak   |
| 4 8663.404   | 9.66       | 36.90      | 53.44         | 54.69      | 47.81 | 68.20 | -20.39     | peak   |
| 5 11440.000  | 11.92      | 37.74      | 53.09         | 55.83      | 52.40 | 74.00 | -21.60     | peak   |
| 6 p17160.000 | 14.50      | 43.04      | 52.82         | 48.15      | 52.87 | 68.20 | -15.33     | 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 <https://www.sgs.com/en/Terms-and-Conditions>. 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@sgs.com](mailto:CN_Doccheck@sgs.com)



Test Mode: 04; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 04305AT/04306AT  
Mode : 5500 TX SE  
Note : 5G WIFI 11AC20

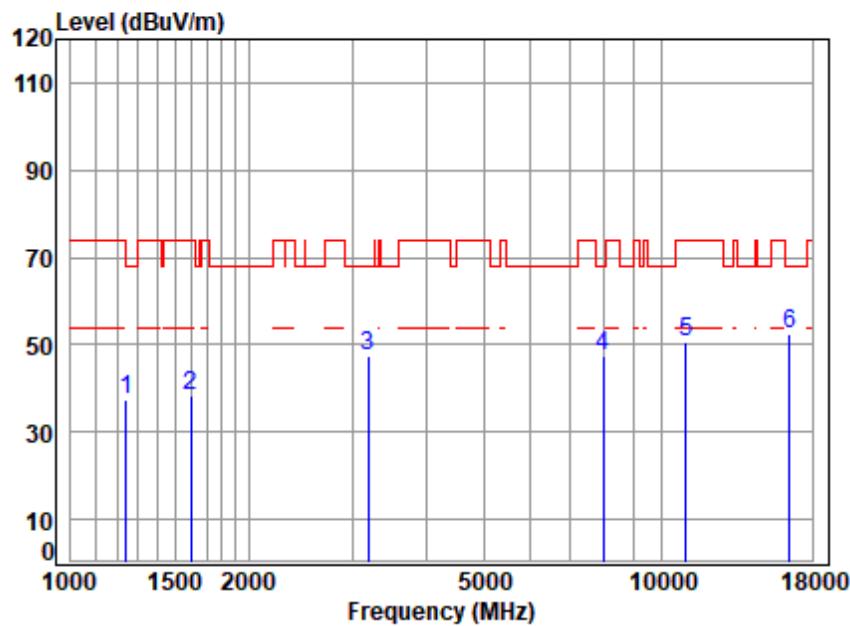
| Freq         | Cable Loss | Ant Factor | Preamp Factor | Read  | Limit Line | Over Limit | Remark |      |
|--------------|------------|------------|---------------|-------|------------|------------|--------|------|
|              |            |            |               | Level |            |            |        |      |
| MHz          | dB         | dB/m       |               | dB    | dBuV       | dBuV/m     | dBuV/m | dB   |
| 1 1158.828   | 3.63       | 23.99      | 54.66         | 61.45 | 34.41      | 74.00      | -39.59 | peak |
| 2 1592.571   | 4.18       | 26.83      | 54.80         | 61.38 | 37.59      | 74.00      | -36.41 | peak |
| 3 3186.869   | 6.25       | 32.79      | 54.85         | 59.80 | 43.99      | 68.20      | -24.21 | peak |
| 4 8891.725   | 9.84       | 37.20      | 53.55         | 53.90 | 47.39      | 68.20      | -20.81 | peak |
| 5 11000.000  | 11.68      | 37.50      | 53.00         | 55.80 | 51.98      | 74.00      | -22.02 | peak |
| 6 p16500.000 | 13.99      | 42.10      | 52.36         | 49.15 | 52.88      | 68.20      | -15.32 | 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 <https://www.sgs.com/en/Terms-and-Conditions>. 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@sgs.com](mailto:CN_Doccheck@sgs.com)



Test Mode: 04; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



Site : chamber  
Condition: 3m VERTICAL  
Job No : 04305AT/04306AT  
Mode : 5500 TX SE  
Note : 5G WIFI 11AC20

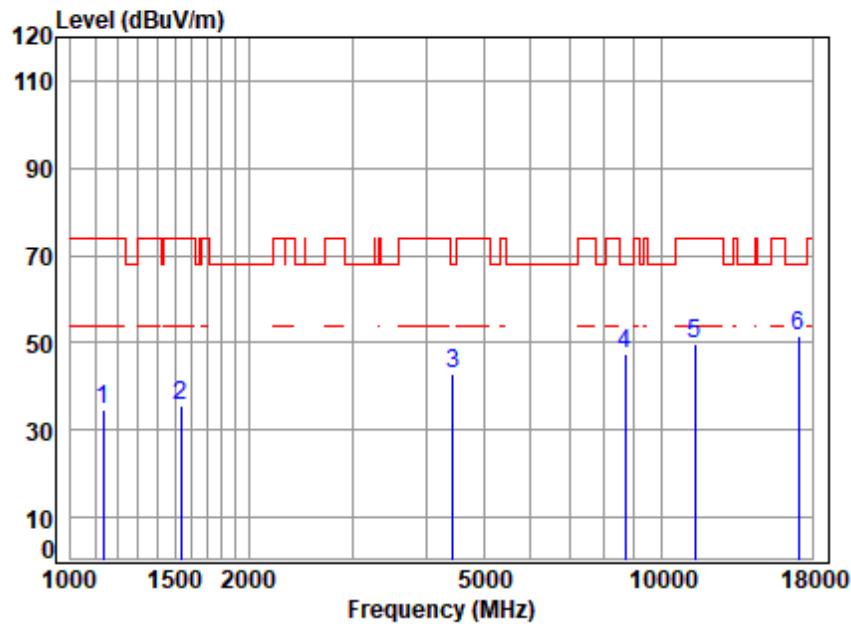
| Freq         | Cable Loss | Ant Factor | Preamp Factor | Read  | Limit Line | Over Limit | Remark |      |
|--------------|------------|------------|---------------|-------|------------|------------|--------|------|
|              |            |            |               | Level |            |            |        |      |
| MHz          | dB         | dB/m       | dB            | dB    | dBuV       | dBuV/m     | dBuV/m | dB   |
| 1 1242.068   | 3.74       | 24.99      | 54.69         | 63.20 | 37.24      | 68.20      | -30.96 | peak |
| 2 1597.181   | 4.18       | 26.81      | 54.80         | 62.10 | 38.29      | 74.00      | -35.71 | peak |
| 3 3186.869   | 6.25       | 32.79      | 54.85         | 63.20 | 47.39      | 68.20      | -20.81 | peak |
| 4 7966.832   | 8.99       | 36.40      | 53.10         | 55.31 | 47.60      | 68.20      | -20.60 | peak |
| 5 11000.000  | 11.68      | 37.50      | 53.00         | 54.38 | 50.56      | 74.00      | -23.44 | peak |
| 6 p16500.000 | 13.99      | 42.10      | 52.36         | 48.60 | 52.33      | 68.20      | -15.87 | 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 <https://www.sgs.com/en/Terms-and-Conditions>. 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@sgs.com](mailto:CN_Doccheck@sgs.com)



Test Mode: 04; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 04305AT/04306AT  
Mode : 5700 TX SE  
Note : 5G WIFI 11AC20

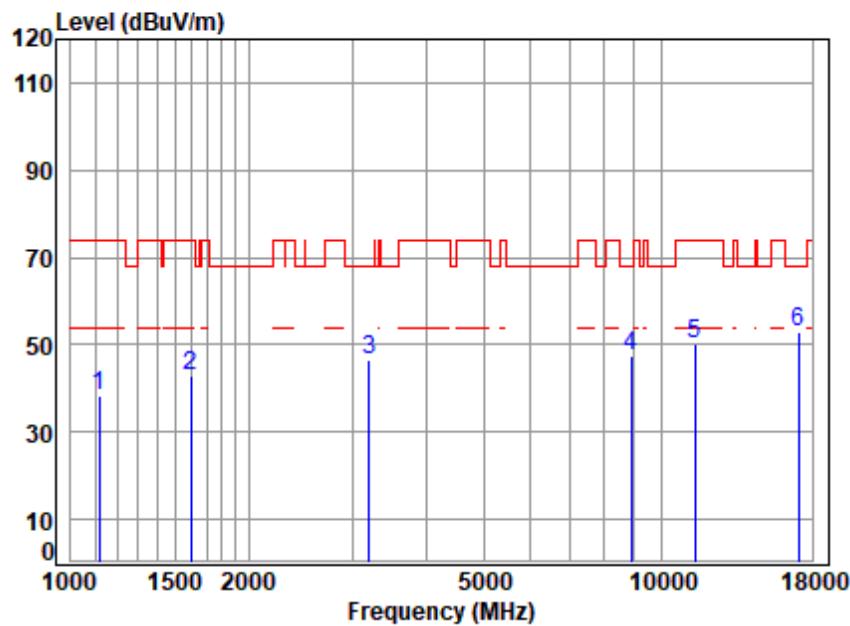
|   | Freq       | Cable | Ant    | Preamp | Read  | Limit  | Over   | Remark      |
|---|------------|-------|--------|--------|-------|--------|--------|-------------|
|   |            | Loss  | Factor | Factor | Level |        |        |             |
|   | MHz        | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB          |
| 1 | 1135.617   | 3.59  | 23.84  | 54.66  | 61.99 | 34.76  | 74.00  | -39.24 peak |
| 2 | 1533.841   | 4.09  | 26.94  | 54.79  | 59.40 | 35.64  | 74.00  | -38.36 peak |
| 3 | 4430.628   | 7.17  | 34.43  | 54.25  | 55.57 | 42.92  | 68.20  | -25.28 peak |
| 4 | 8688.480   | 9.68  | 36.90  | 53.45  | 54.54 | 47.67  | 68.20  | -20.53 peak |
| 5 | 11400.000  | 11.90 | 37.70  | 53.08  | 53.26 | 49.78  | 74.00  | -24.22 peak |
| 6 | p17100.000 | 14.44 | 43.10  | 52.85  | 47.06 | 51.75  | 68.20  | -16.45 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 <https://www.sgs.com/en/Terms-and-Conditions>. 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@sgs.com](mailto:CN_Doccheck@sgs.com)



Test Mode: 04; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



Site : chamber  
Condition: 3m VERTICAL  
Job No : 04305AT/04306AT  
Mode : 5700 TX SE  
Note : 5G WIFI 11AC20

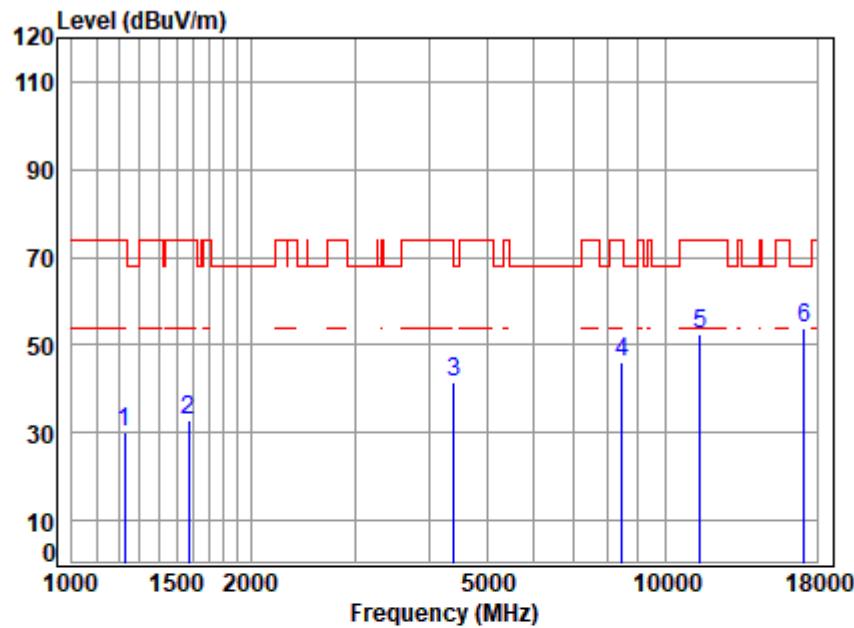
|   | Freq       | Cable | Ant    | Preamp | Read  | Limit  | Over   | Remark      |
|---|------------|-------|--------|--------|-------|--------|--------|-------------|
|   |            | Loss  | Factor | Factor | Level |        |        |             |
|   | MHz        | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB          |
| 1 | 1119.323   | 3.57  | 23.78  | 54.65  | 65.54 | 38.24  | 74.00  | -35.76 peak |
| 2 | 1597.181   | 4.18  | 26.81  | 54.80  | 66.53 | 42.72  | 74.00  | -31.28 peak |
| 3 | 3196.094   | 6.25  | 32.87  | 54.85  | 62.21 | 46.48  | 68.20  | -21.72 peak |
| 4 | 8891.725   | 9.84  | 37.20  | 53.55  | 54.16 | 47.65  | 68.20  | -20.55 peak |
| 5 | 11400.000  | 11.90 | 37.70  | 53.08  | 53.81 | 50.33  | 74.00  | -23.67 peak |
| 6 | p17100.000 | 14.44 | 43.10  | 52.85  | 48.15 | 52.84  | 68.20  | -15.36 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 <https://www.sgs.com/en/Terms-and-Conditions>. 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@sgs.com](mailto:CN_Doccheck@sgs.com)



Test Mode: 04; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 04305AT/04306AT  
Mode : 5720 TX SE  
Note : 5G WIFI 11AC20

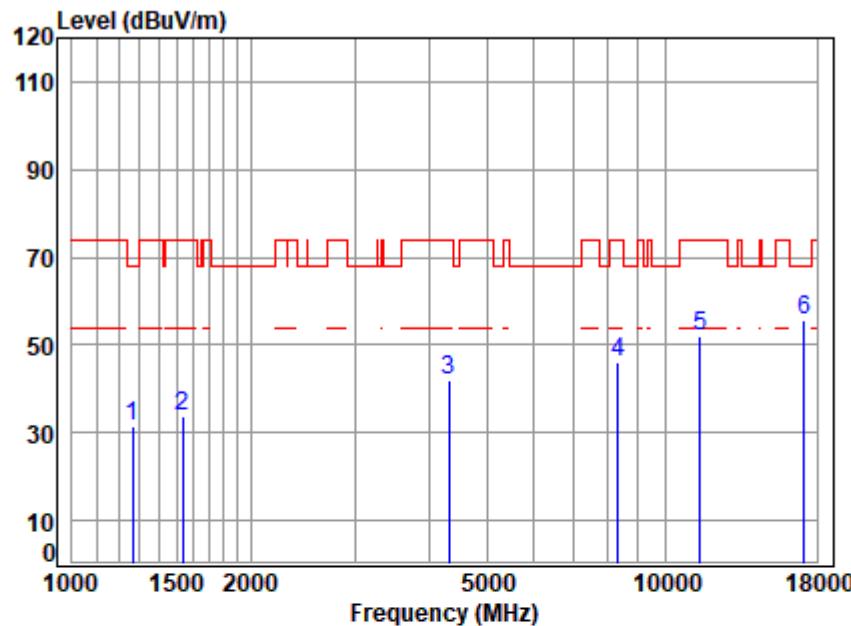
| Freq         | Cable Loss | Ant Factor | Preamp Factor | Read Level | Limit |       | Over Limit | Remark |
|--------------|------------|------------|---------------|------------|-------|-------|------------|--------|
|              |            |            |               |            | dB    | dBuV  | dBuV/m     | dBuV/m |
| 1 1227.791   | 3.72       | 24.79      | 54.69         | 56.33      | 30.15 | 74.00 | -43.85     | peak   |
| 2 1574.265   | 4.15       | 26.90      | 54.80         | 56.44      | 32.69 | 74.00 | -41.31     | peak   |
| 3 4405.090   | 7.14       | 34.74      | 54.26         | 54.11      | 41.73 | 68.20 | -26.47     | peak   |
| 4 8440.945   | 9.47       | 36.62      | 53.33         | 53.42      | 46.18 | 74.00 | -27.82     | peak   |
| 5 11440.000  | 11.92      | 37.74      | 53.09         | 55.71      | 52.28 | 74.00 | -21.72     | peak   |
| 6 p17160.000 | 14.50      | 43.04      | 52.82         | 49.18      | 53.90 | 68.20 | -14.30     | 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 <https://www.sgs.com/en/Terms-and-Conditions>. 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@sgs.com](mailto:CN_Doccheck@sgs.com)



Test Mode: 04; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



Site : chamber  
Condition: 3m VERTICAL  
Job No : 04305AT/04306AT  
Mode : 5720 TX SE  
Note : 5G WIFI 11AC20

| Freq         | Cable Loss | Ant Factor | Preamp Factor | Read Level | Limit Level | Limit Line | Over Limit | Remark |  |
|--------------|------------|------------|---------------|------------|-------------|------------|------------|--------|--|
|              |            |            |               |            |             |            |            | dB     |  |
| 1 1267.454   | 3.77       | 25.00      | 54.70         | 57.39      | 31.46       | 68.20      | -36.74     | peak   |  |
| 2 1538.281   | 4.10       | 26.95      | 54.79         | 57.33      | 33.59       | 74.00      | -40.41     | peak   |  |
| 3 4316.859   | 7.04       | 34.13      | 54.27         | 54.91      | 41.81       | 74.00      | -32.19     | peak   |  |
| 4 8319.836   | 9.35       | 36.70      | 53.27         | 53.22      | 46.00       | 74.00      | -28.00     | peak   |  |
| 5 11440.000  | 11.92      | 37.74      | 53.09         | 55.23      | 51.80       | 74.00      | -22.20     | peak   |  |
| 6 p17160.000 | 14.50      | 43.04      | 52.82         | 50.81      | 55.53       | 68.20      | -12.67     | 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 <https://www.sgs.com/en/Terms-and-Conditions>. 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@sgs.com](mailto:CN_Doccheck@sgs.com)



**6.4 Radiated Emissions which fall in the restricted bands**

Test Requirement 47 CFR Part 15, Subpart C 15.209 &amp; Subpart E 15.407(b)

Test Method: KDB 789033 D02 II G

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                            |
| Above 960      | 500                              | 3                            |

\*(1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

(2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

(3) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

(4) For transmitters operating in the 5.725-5.85 GHz band:

(i) All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

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.

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. 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@sgs.com](mailto:CN_Doccheck@sgs.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](http://www.sgsgroup.com.cn)

SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch is a SGS Group Laboratory.



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

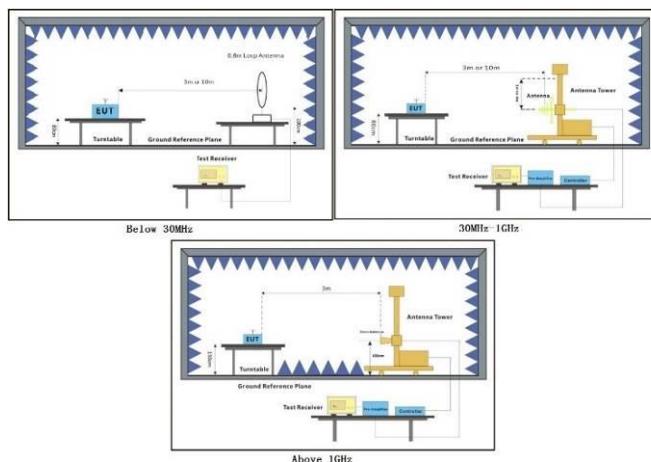
Operating Environment:

Temperature: 20.8 °C      Humidity: 62.0 % RH      Atmospheric Pressure: 1020 mbar

#### 6.4.2 Test Mode Description

| Pre-scan / Final test | Mode Code | Description   |
|-----------------------|-----------|---|
| Pre-scan              | 00        | TX mode (U-NII-2A) _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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20, Only the data of worst case is recorded in the report.        |
| Pre-scan              | 01        | TX mode (U-NII-2C) _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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20, Only the data of worst case is recorded in the report.        |
| Final test            | 03        | Charge+TX mode (U-NII-2A) _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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20, Only the data of worst case is recorded in the report. |
| Final test            | 04        | Charge+TX mode (U-NII-2C) _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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20, Only the data of worst case is recorded in the report. |

#### 6.4.3 Test Setup Diagram



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. 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@sgs.com](mailto:CN_Doccheck@sgs.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](http://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](mailto:sgs.china@sgs.com)



**6.4.4 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.
- j. Repeat above procedures until all frequencies measured was complete.

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

Remark 2. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 3MHz for Peak detection (PK) and Average detection (AV) at frequency above 1GHz.

Remark 3. For fundamental and harmonic signal measurement, the resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is  $\geq 1/T$  (Duty cycle  $< 98\%$ ) or 10Hz (Duty cycle  $\geq 98\%$ ) for Average detection (AV) at frequency 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 <https://www.sgs.com/en/Terms-and-Conditions>. 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.

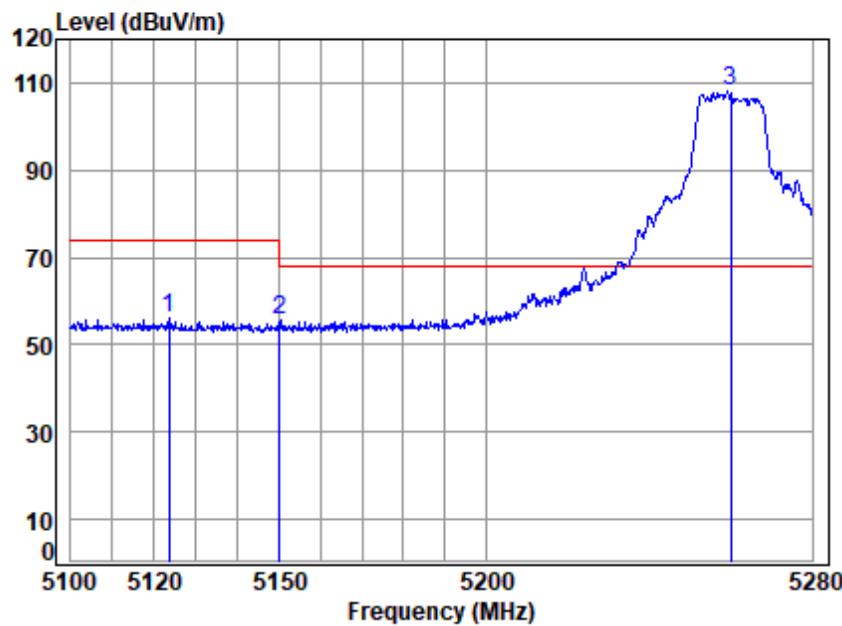
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN\\_Doccheck@sgs.com](mailto:CN_Doccheck@sgs.com)



SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch is a member of SGS Group Laboratory.

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

Test Mode: 03; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 04305AT/04306AT  
Mode : 5260 Band edge  
: 5G WIFI 11A

| Freq | Cable Loss | Ant Factor | Preamp Factor | Read  | Limit Line | Over Limit | Remark |             |
|------|------------|------------|---------------|-------|------------|------------|--------|-------------|
|      |            |            |               | Level |            |            |        |             |
| MHz  | dB         | dB/m       | dB            | dB    | dBuV       | dBuV/m     | dBuV/m | dB          |
| 1    | 5123.404   | 18.80      | 33.95         | 31.27 | 34.49      | 55.97      | 74.00  | -18.03 peak |
| 2    | 5149.980   | 18.83      | 33.90         | 31.28 | 34.17      | 55.62      | 74.00  | -18.38 peak |
| 3 p  | 5260.000   | 18.99      | 34.12         | 31.34 | 86.37      | 108.14     | 68.20  | 39.94 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 <https://www.sgs.com/en/Terms-and-Conditions>. 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.

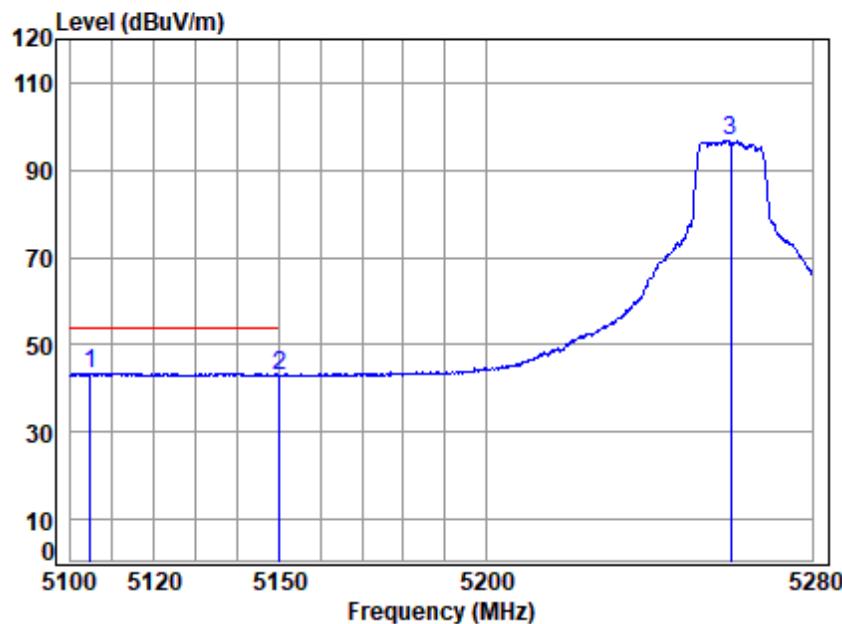
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN\\_Doccheck@sgs.com](mailto:CN_Doccheck@sgs.com)

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](http://www.sgsgroup.com.cn)

SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch is a member of SGS Group LLC Laboratory.  
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](mailto:sgs.china@sgs.com)



Test Mode: 03; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 04305AT/04306AT  
Mode : 5260 Band edge  
: 5G WIFI 11A

| Freq         | Cable Loss | Ant Factor | Preamp Factor | Read  | Limit Line | Over Limit | Remark |         |
|--------------|------------|------------|---------------|-------|------------|------------|--------|---------|
|              |            |            |               | Level |            |            |        |         |
| MHz          | dB         | dB/m       |               | dB    | dBuV       | dBuV/m     | dBuV/m | dB      |
| 1 q 5104.778 | 18.77      | 33.99      | 31.26         | 22.00 | 43.50      | 54.00      | -10.50 | Average |
| 2 5149.980   | 18.83      | 33.90      | 31.28         | 21.58 | 43.03      | 54.00      | -10.97 | Average |
| 3 5260.000   | 18.99      | 34.12      | 31.34         | 75.05 | 96.82      | -----      | -----  | 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 <https://www.sgs.com/en/Terms-and-Conditions>. 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.

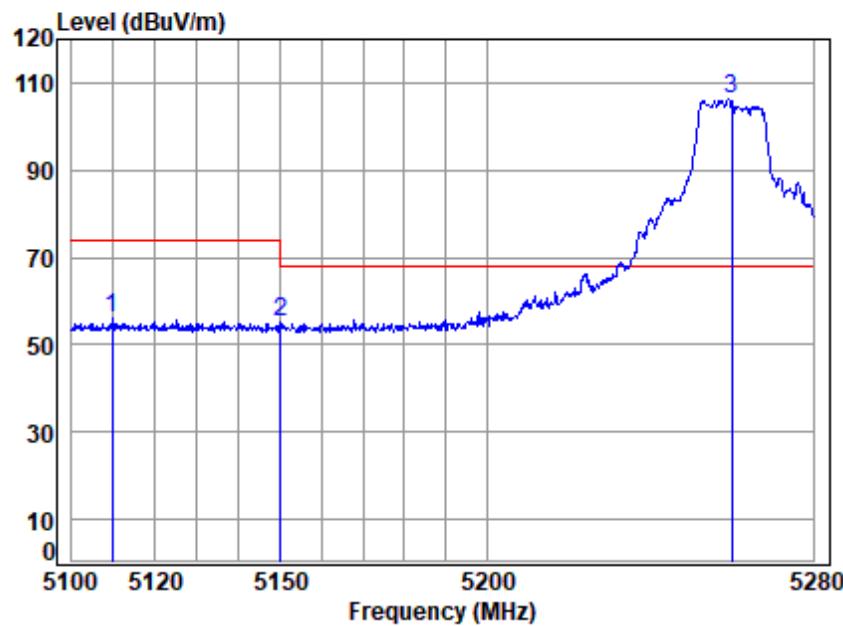
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN\\_Doccheck@sgs.com](mailto:CN_Doccheck@sgs.com)



SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch is a member of SGS Group LLC Laboratory.

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

Test Mode: 03; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber  
Condition: 3m VERTICAL  
Job No : 04305AT/04306AT  
Mode : 5260 Band edge  
: 5G WIFI 11A

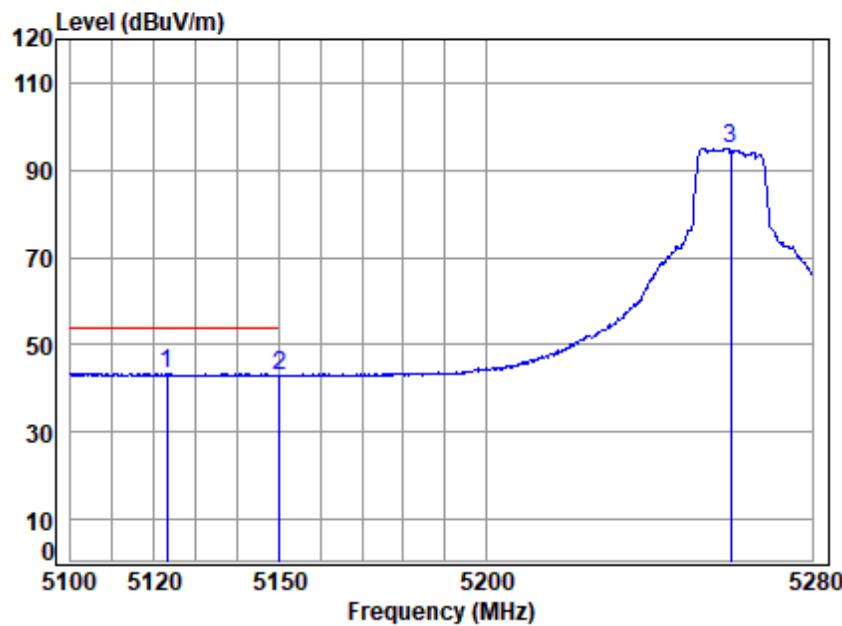
| Freq         | Cable Loss | Ant Factor | Preamp Factor | Read  | Limit Line | Over Limit | Remark      |
|--------------|------------|------------|---------------|-------|------------|------------|-------------|
|              |            |            |               | Level |            |            |             |
| MHz          | dB         | dB/m       | dB            | dB    | dBuV       | dBuV/m     | dBuV/m      |
| 1 5109.562   | 18.78      | 33.98      | 31.26         | 34.48 | 55.98      | 74.00      | -18.02 Peak |
| 2 5149.980   | 18.83      | 33.90      | 31.28         | 33.60 | 55.05      | 74.00      | -18.95 Peak |
| 3 p 5260.000 | 18.99      | 34.12      | 31.34         | 84.49 | 106.26     | 68.20      | 38.06 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 <https://www.sgs.com/en/Terms-and-Conditions>. 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@sgs.com](mailto:CN_Doccheck@sgs.com)

Test Mode: 03; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber  
Condition: 3m VERTICAL  
Job No : 04305AT/04306AT  
Mode : 5260 Band edge  
: 5G WIFI 11A

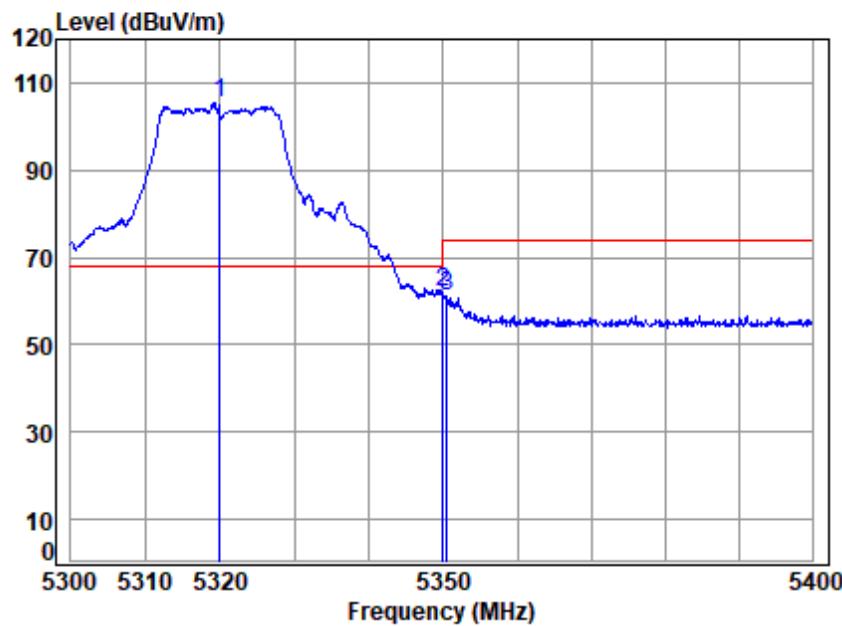
| Freq         | Cable | Ant    | Preamp | Read  | Limit  | Over   | Remark         |
|--------------|-------|--------|--------|-------|--------|--------|----------------|
|              | Loss  | Factor | Factor | Level | Level  | Line   |                |
| MHz          | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB             |
| 1 q 5123.048 | 18.80 | 33.95  | 31.27  | 21.97 | 43.45  | 54.00  | -10.55 Average |
| 2 5149.980   | 18.83 | 33.90  | 31.28  | 21.60 | 43.05  | 54.00  | -10.95 Average |
| 3 5260.000   | 18.99 | 34.12  | 31.34  | 73.25 | 95.02  | -----  | ----- 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 <https://www.sgs.com/en/Terms-and-Conditions>. 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@sgs.com](mailto:CN_Doccheck@sgs.com)

Test Mode: 03; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 04305AT/04306AT  
Mode : 5320 Band edge  
: 5G WIFI 11A

| Freq         | Cable Loss | Ant Factor | Preamp Factor | Read  | Limit Line | Over Limit | Remark |      |
|--------------|------------|------------|---------------|-------|------------|------------|--------|------|
|              |            |            |               | Level |            |            |        |      |
| MHz          | dB         | dB/m       | dB            | dB    | dBuV       | dBuV/m     | dBuV/m | dB   |
| 1 p 5320.000 | 19.07      | 34.28      | 31.37         | 83.36 | 105.34     | 68.20      | 37.14  | peak |
| 2 5350.020   | 19.11      | 34.40      | 31.39         | 39.83 | 61.95      | 74.00      | -12.05 | peak |
| 3 5350.566   | 19.11      | 34.40      | 31.39         | 39.23 | 61.35      | 74.00      | -12.65 | peak |

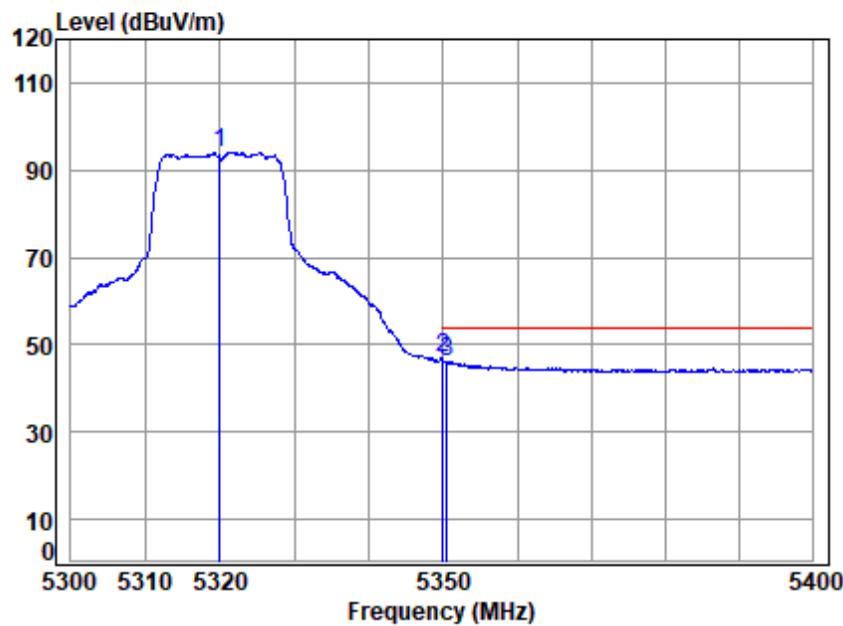
SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch No. 10, Nanshan Hi-Tech Park, Shenzhen, China

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. 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@sgs.com](mailto:CN_Doccheck@sgs.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](http://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](mailto:sgs.china@sgs.com)

Test Mode: 03; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 04305AT/04306AT  
Mode : 5320 Band edge  
: 5G WIFI 11A

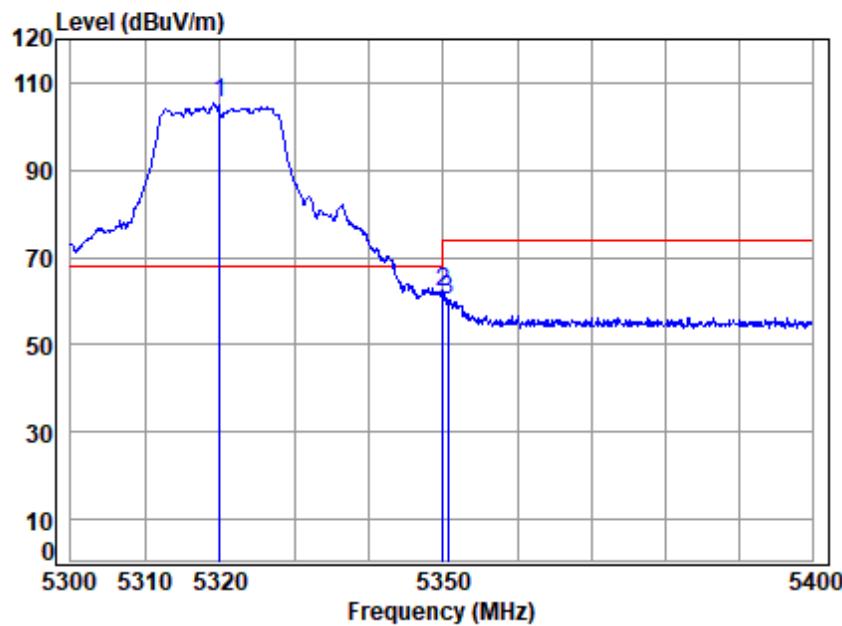
| Freq         | Cable Loss | Ant Factor | Preamp Factor | Read  | Limit Line | Over Limit | Remark |         |
|--------------|------------|------------|---------------|-------|------------|------------|--------|---------|
|              |            |            |               | Level |            |            |        |         |
| MHz          | dB         | dB/m       | dB            | dB    | dBuV       | dBuV/m     | dBuV/m | dB      |
| 1 5320.000   | 19.07      | 34.28      | 31.37         | 72.03 | 94.01      | -----      | -----  | Average |
| 2 q 5350.020 | 19.11      | 34.40      | 31.39         | 24.71 | 46.83      | 54.00      | -7.17  | Average |
| 3 5350.566   | 19.11      | 34.40      | 31.39         | 24.04 | 46.16      | 54.00      | -7.84  | 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 <https://www.sgs.com/en/Terms-and-Conditions>. 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@sgs.com](mailto:CN_Doccheck@sgs.com)

Test Mode: 03; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Site : chamber  
Condition: 3m VERTICAL  
Job No : 04305AT/04306AT  
Mode : 5320 Band edge  
: 5G WIFI 11A

| Freq         | Cable Loss | Ant Factor | Preamp Factor | Read  | Limit Line | Over Limit | Remark |      |
|--------------|------------|------------|---------------|-------|------------|------------|--------|------|
|              |            |            |               | Level |            |            |        |      |
| MHz          | dB         | dB/m       | dB            | dB    | dBuV       | dBuV/m     | dBuV/m | dB   |
| 1 p 5320.000 | 19.07      | 34.28      | 31.37         | 83.39 | 105.37     | 68.20      | 37.17  | Peak |
| 2 5350.020   | 19.11      | 34.40      | 31.39         | 40.12 | 62.24      | 74.00      | -11.76 | Peak |
| 3 5350.667   | 19.11      | 34.40      | 31.39         | 38.11 | 60.23      | 74.00      | -13.77 | Peak |

SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch No. 10, Nanshan Science & Technology Park, Shenzhen, China

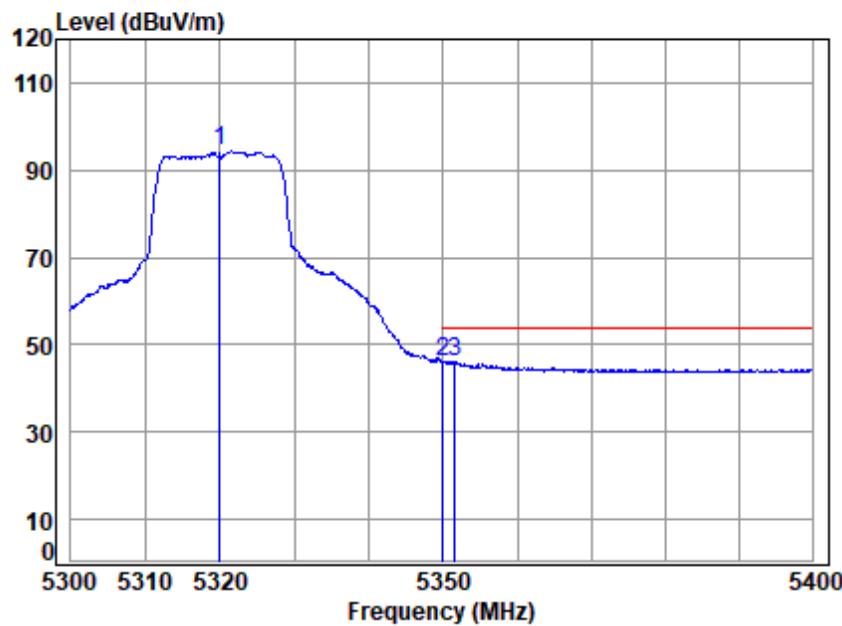
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction 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@sgs.com](mailto:CN_Doccheck@sgs.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](http://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](mailto:sgs.china@sgs.com)

Test Mode: 03; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Site : chamber  
Condition: 3m VERTICAL  
Job No : 04305AT/04306AT  
Mode : 5320 Band edge  
: 5G WIFI 11A

| Freq         | Cable Loss | Ant Factor | Preamp Factor | Read  | Limit Line | Over Limit | Remark |         |
|--------------|------------|------------|---------------|-------|------------|------------|--------|---------|
|              |            |            |               | Level |            |            |        |         |
| MHz          | dB         | dB/m       | dB            | dB    | dBuV       | dBuV/m     | dBuV/m | dB      |
| 1 5320.000   | 19.07      | 34.28      | 31.37         | 72.30 | 94.28      | -----      | -----  | Average |
| 2 q 5350.020 | 19.11      | 34.40      | 31.39         | 24.12 | 46.24      | 54.00      | -7.76  | Average |
| 3 5351.566   | 19.11      | 34.41      | 31.39         | 24.00 | 46.13      | 54.00      | -7.87  | Average |

SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch No. 10, Nanshan Hi-Tech Park, Shenzhen, China

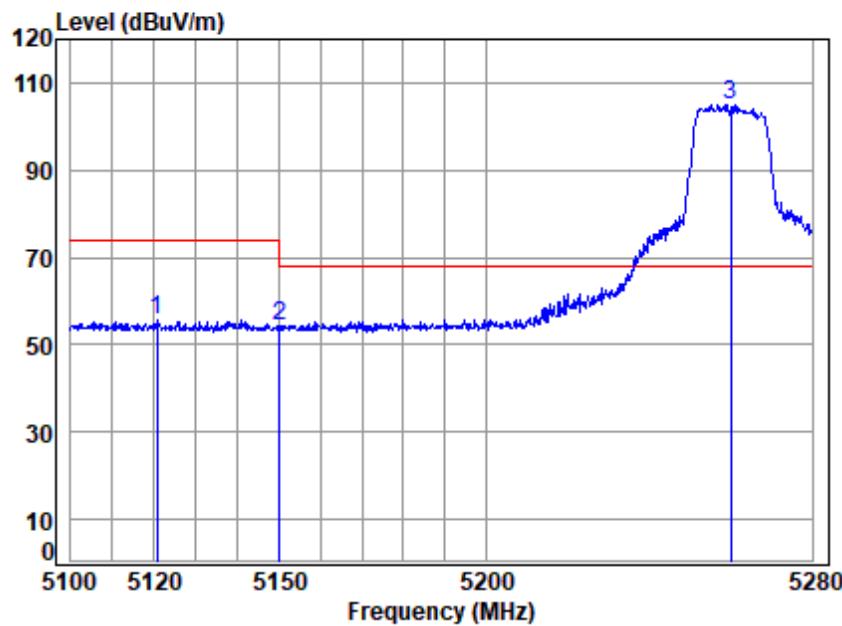
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction 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@sgs.com](mailto:CN_Doccheck@sgs.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](http://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](mailto:sgs.china@sgs.com)

Test Mode: 03; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 04305AT/04306AT  
Mode : 5260 Band edge  
: 5G WIFI 11N20

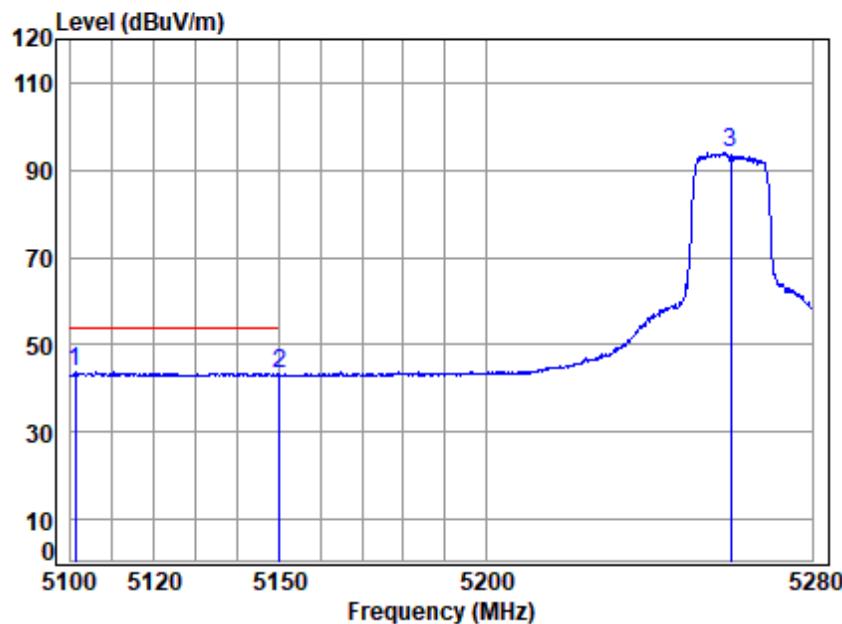
| Freq | Cable Loss | Ant Factor | Preamp Factor | Read  | Limit Line | Over Limit | Remark |             |
|------|------------|------------|---------------|-------|------------|------------|--------|-------------|
|      |            |            |               | Level |            |            |        |             |
| MHz  | dB         | dB/m       | dB            | dB    | dBuV       | dBuV/m     | dBuV/m | dB          |
| 1    | 5120.739   | 18.79      | 33.96         | 31.27 | 34.41      | 55.89      | 74.00  | -18.11 peak |
| 2    | 5149.980   | 18.83      | 33.90         | 31.28 | 32.89      | 54.34      | 74.00  | -19.66 peak |
| 3 p  | 5260.000   | 18.99      | 34.12         | 31.34 | 83.38      | 105.15     | 68.20  | 36.95 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 <https://www.sgs.com/en/Terms-and-Conditions>. 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@sgs.com](mailto:CN_Doccheck@sgs.com)



Test Mode: 03; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



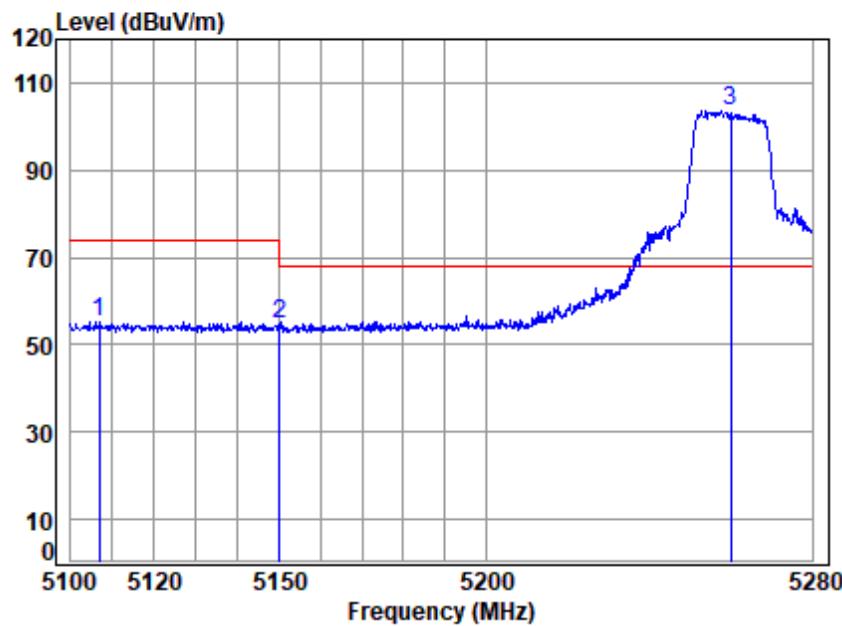
Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 04305AT/04306AT  
Mode : 5260 Band edge  
: 5G WIFI 11N20

| Freq         | Cable | Ant    | Preamp | Read  | Limit  | Over   | Remark         |
|--------------|-------|--------|--------|-------|--------|--------|----------------|
|              | Loss  | Factor | Factor | Level | Level  | Line   |                |
| MHz          | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB             |
| 1 q 5101.062 | 18.76 | 34.00  | 31.25  | 22.13 | 43.64  | 54.00  | -10.36 Average |
| 2 5149.980   | 18.83 | 33.90  | 31.28  | 21.67 | 43.12  | 54.00  | -10.88 Average |
| 3 5260.000   | 18.99 | 34.12  | 31.34  | 72.20 | 93.97  | -----  | ----- 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 <https://www.sgs.com/en/Terms-and-Conditions>. 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@sgs.com](mailto:CN_Doccheck@sgs.com)

Test Mode: 03; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Site : chamber  
Condition: 3m VERTICAL  
Job No : 04305AT/04306AT  
Mode : 5260 Band edge  
: 5G WIFI 11N20

| Freq         | Cable Loss | Ant Factor | Preamp Factor | Read  | Limit Line | Over Limit | Remark |      |
|--------------|------------|------------|---------------|-------|------------|------------|--------|------|
|              |            |            |               | Level |            |            |        |      |
| MHz          | dB         | dB/m       | dB            | dB    | dBuV       | dBuV/m     | dBuV/m | dB   |
| 1 5106.904   | 18.77      | 33.99      | 31.26         | 33.83 | 55.33      | 74.00      | -18.67 | Peak |
| 2 5149.980   | 18.83      | 33.90      | 31.28         | 33.15 | 54.60      | 74.00      | -19.40 | Peak |
| 3 p 5260.000 | 18.99      | 34.12      | 31.34         | 81.79 | 103.56     | 68.20      | 35.36  | Peak |

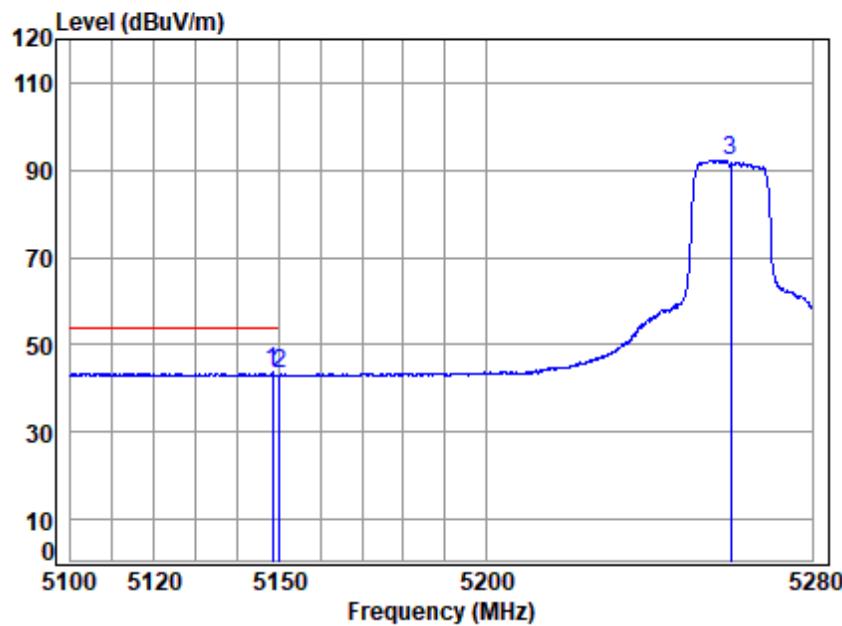
SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch No. 10, Nanshan Science & Technology Park, Shenzhen, China

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. 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) 26012053, (86-755) 26710594, [www.sgsgroup.com.cn](http://www.sgsgroup.com.cn) or email: [CN\\_Doccheck@sgs.com](mailto:CN_Doccheck@sgs.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](http://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](mailto:sgs.china@sgs.com)

Test Mode: 03; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Site : chamber  
Condition: 3m VERTICAL  
Job No : 04305AT/04306AT  
Mode : 5260 Band edge  
: 5G WIFI 11N20

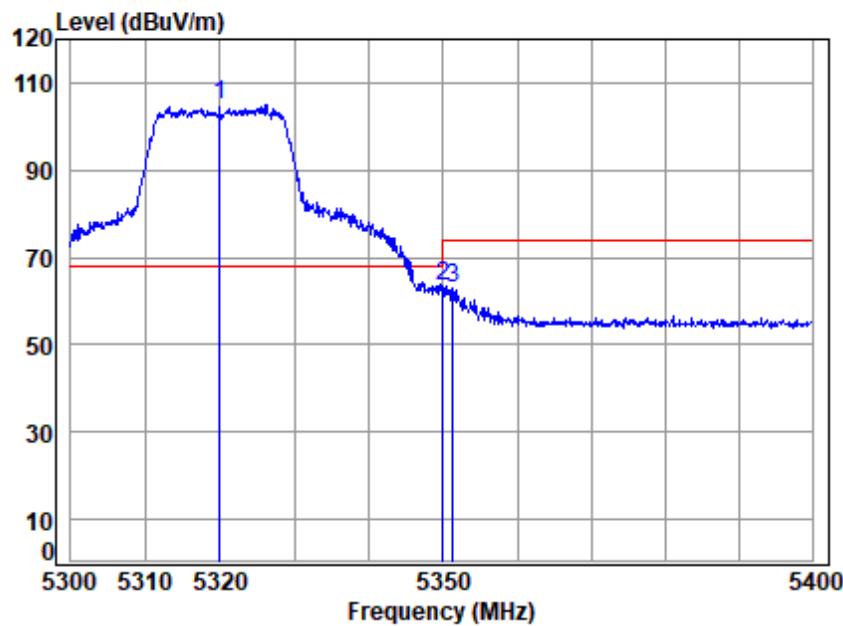
| Freq         | Cable | Ant    | Preamp | Read  | Limit  | Over   | Remark         |
|--------------|-------|--------|--------|-------|--------|--------|----------------|
|              | Loss  | Factor | Factor | Level | Level  | Line   |                |
| MHz          | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB             |
| 1 q 5148.343 | 18.83 | 33.90  | 31.28  | 22.13 | 43.58  | 54.00  | -10.42 Average |
| 2 5149.980   | 18.83 | 33.90  | 31.28  | 21.69 | 43.14  | 54.00  | -10.86 Average |
| 3 5260.000   | 18.99 | 34.12  | 31.34  | 70.54 | 92.31  | -----  | ----- 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 <https://www.sgs.com/en/Terms-and-Conditions>. 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@sgs.com](mailto:CN_Doccheck@sgs.com)

Test Mode: 03; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 04305AT/04306AT  
Mode : 5320 Band edge  
: 5G WIFI 11N20

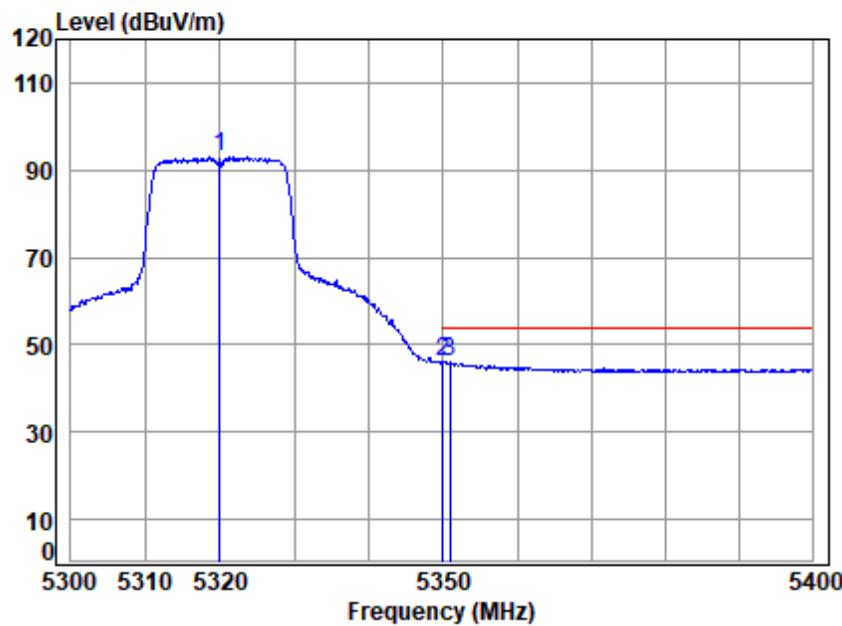
| Freq         | Cable Loss | Ant Factor | Preamp Factor | Read Level | Limit Level | Limit Line | Over Limit | Remark |  |
|--------------|------------|------------|---------------|------------|-------------|------------|------------|--------|--|
|              |            |            |               |            |             |            |            | dB     |  |
| MHz          |            |            |               |            |             |            |            |        |  |
| 1 p 5320.000 | 19.07      | 34.28      | 31.37         | 83.01      | 104.99      | 68.20      | 36.79      | peak   |  |
| 2 5350.020   | 19.11      | 34.40      | 31.39         | 41.26      | 63.38       | 74.00      | -10.62     | peak   |  |
| 3 5351.367   | 19.11      | 34.41      | 31.39         | 40.71      | 62.84       | 74.00      | -11.16     | 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 <https://www.sgs.com/en/Terms-and-Conditions>. 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@sgs.com](mailto:CN_Doccheck@sgs.com)

Test Mode: 03; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 04305AT/04306AT  
Mode : 5320 Band edge  
: 5G WIFI 11N20

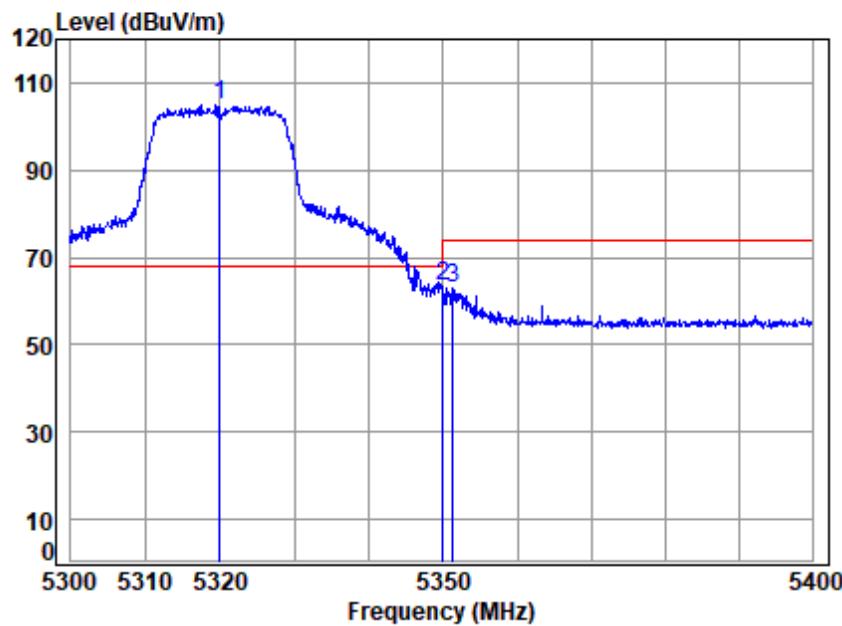
|     |          | Cable<br>Freq | Ant<br>Loss | Preamp<br>Factor | Read<br>Level | Limit<br>Level | Line<br>Limit | Over<br>Limit | Remark  |
|-----|----------|---------------|-------------|------------------|---------------|----------------|---------------|---------------|---------|
|     |          | MHz           | dB          | dB/m             | dB            | dBuV           | dBuV/m        | dBuV/m        | dB      |
| 1   | 5320.000 | 19.07         | 34.28       | 31.37            | 71.20         | 93.18          | -----         | -----         | Average |
| 2 q | 5350.020 | 19.11         | 34.40       | 31.39            | 24.13         | 46.25          | 54.00         | -7.75         | Average |
| 3   | 5350.966 | 19.11         | 34.40       | 31.39            | 24.02         | 46.14          | 54.00         | -7.86         | 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 <https://www.sgs.com/en/Terms-and-Conditions>. 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@sgs.com](mailto:CN_Doccheck@sgs.com)

Test Mode: 03; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Site : chamber  
Condition: 3m VERTICAL  
Job No : 04305AT/04306AT  
Mode : 5320 Band edge  
: 5G WIFI 11N20

| Freq         | Cable Loss | Ant Factor | Preamp Factor | Read  | Limit Line | Over Limit | Remark |      |
|--------------|------------|------------|---------------|-------|------------|------------|--------|------|
|              |            |            |               | Level |            |            |        |      |
| MHz          | dB         | dB/m       | dB            | dB    | dBuV       | dBuV/m     | dBuV/m | dB   |
| 1 p 5320.000 | 19.07      | 34.28      | 31.37         | 82.97 | 104.95     | 68.20      | 36.75  | Peak |
| 2 5350.020   | 19.11      | 34.40      | 31.39         | 41.38 | 63.50      | 74.00      | -10.50 | Peak |
| 3 5351.367   | 19.11      | 34.41      | 31.39         | 40.97 | 63.10      | 74.00      | -10.90 | Peak |



SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch No. 10, Nanshan Science & Technology Park, Shenzhen, China

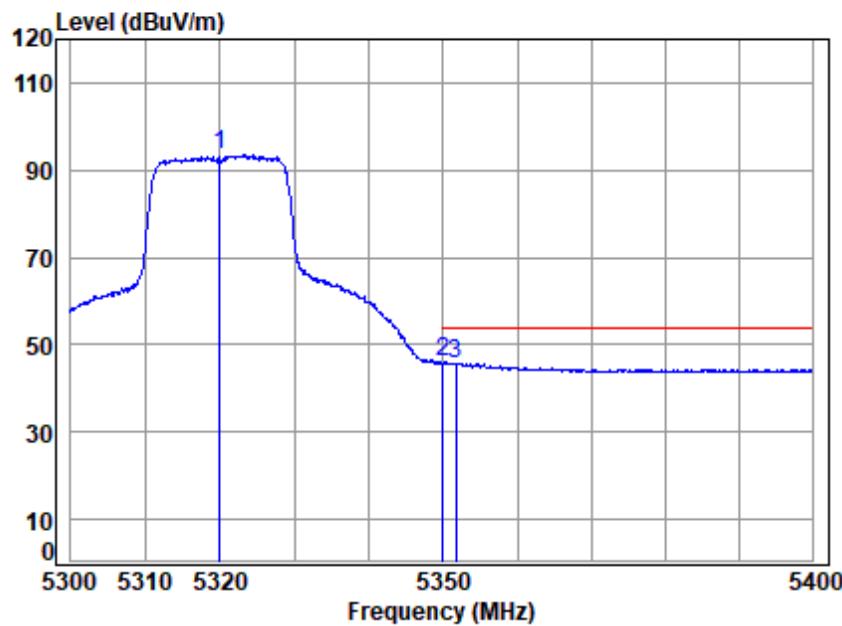
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction 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@sgs.com](mailto:CN_Doccheck@sgs.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](http://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](mailto:sgs.china@sgs.com)

Test Mode: 03; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



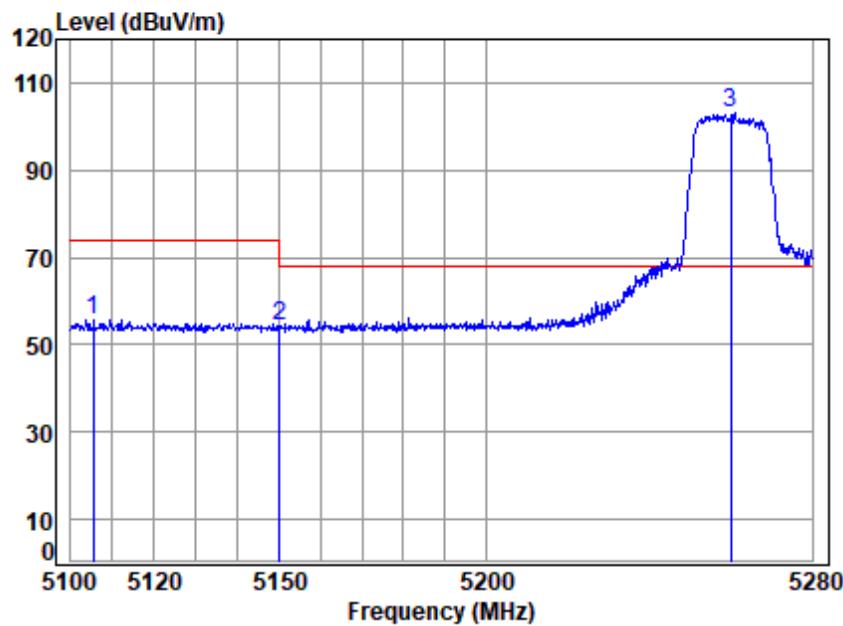
Site : chamber  
Condition: 3m VERTICAL  
Job No : 04305AT/04306AT  
Mode : 5320 Band edge  
: 5G WIFI 11N20

|   |   | Cable<br>Freq | Ant<br>Loss | Preamp<br>Factor | Read<br>Level | Limit<br>Level | Line<br>Limit | Over<br>Limit | Remark        |
|---|---|---------------|-------------|------------------|---------------|----------------|---------------|---------------|---------------|
|   |   | MHz           | dB          | dB/m             | dB            | dBuV           | dBuV/m        | dBuV/m        | dB            |
| 1 |   | 5320.000      | 19.07       | 34.28            | 31.37         | 71.44          | 93.42         | -----         | Average       |
| 2 | q | 5350.020      | 19.11       | 34.40            | 31.39         | 23.85          | 45.97         | 54.00         | -8.03 Average |
| 3 |   | 5351.667      | 19.11       | 34.41            | 31.39         | 23.63          | 45.76         | 54.00         | -8.24 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 <https://www.sgs.com/en/Terms-and-Conditions>. 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@sgs.com](mailto:CN_Doccheck@sgs.com)

Test Mode: 03; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



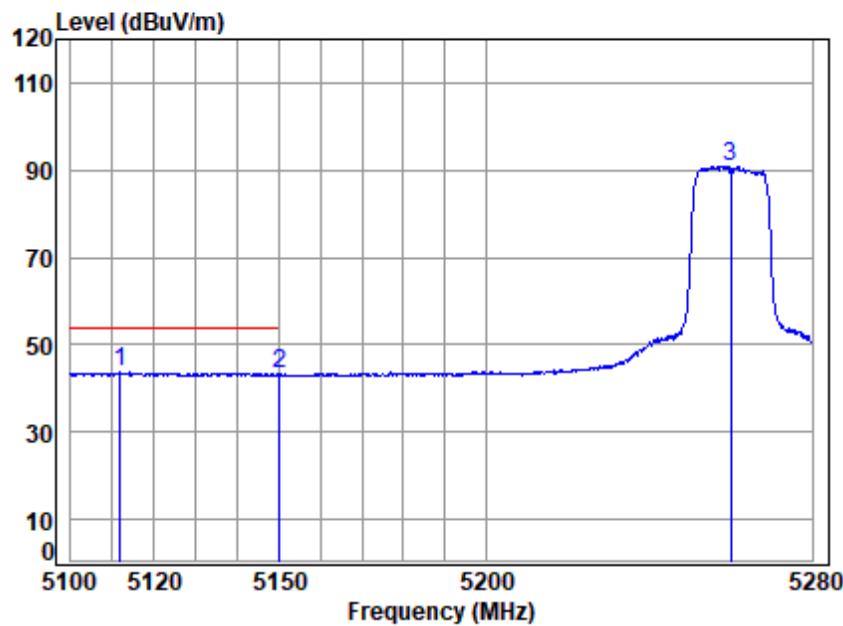
Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 04305AT/04306AT  
Mode : 5260 Band edge  
: 5G WIFI 11AC20

| Freq | Cable Loss | Ant Factor | Preamp Factor | Read  | Limit Line | Over Limit | Remark            |
|------|------------|------------|---------------|-------|------------|------------|-------------------|
|      |            |            |               | Level |            |            |                   |
| MHz  | dB         | dB/m       | dB            | dB    | dBuV       | dBuV/m     | dBuV/m            |
| 1    | 5105.487   | 18.77      | 33.99         | 31.26 | 34.39      | 55.89      | 74.00 -18.11 peak |
| 2    | 5149.980   | 18.83      | 33.90         | 31.28 | 32.83      | 54.28      | 74.00 -19.72 peak |
| 3 p  | 5260.000   | 18.99      | 34.12         | 31.34 | 81.30      | 103.07     | 68.20 34.87 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 <https://www.sgs.com/en/Terms-and-Conditions>. 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@sgs.com](mailto:CN_Doccheck@sgs.com)

Test Mode: 03; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 04305AT/04306AT  
Mode : 5260 Band edge  
: 5G WIFI 11AC20

| Freq         | Cable Loss | Ant Factor | Preamp Factor | Read  | Limit Line | Over Limit | Remark         |
|--------------|------------|------------|---------------|-------|------------|------------|----------------|
|              |            |            |               | Level |            |            |                |
| MHz          | dB         | dB/m       | dB            | dBuV  | dBuV/m     | dBuV/m     | dB             |
| 1 q 5111.866 | 18.78      | 33.98      | 31.26         | 22.16 | 43.66      | 54.00      | -10.34 Average |
| 2 5149.980   | 18.83      | 33.90      | 31.28         | 21.82 | 43.27      | 54.00      | -10.73 Average |
| 3 5260.000   | 18.99      | 34.12      | 31.34         | 69.25 | 91.02      | -----      | ----- 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 <https://www.sgs.com/en/Terms-and-Conditions>. 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@sgs.com](mailto:CN_Doccheck@sgs.com)

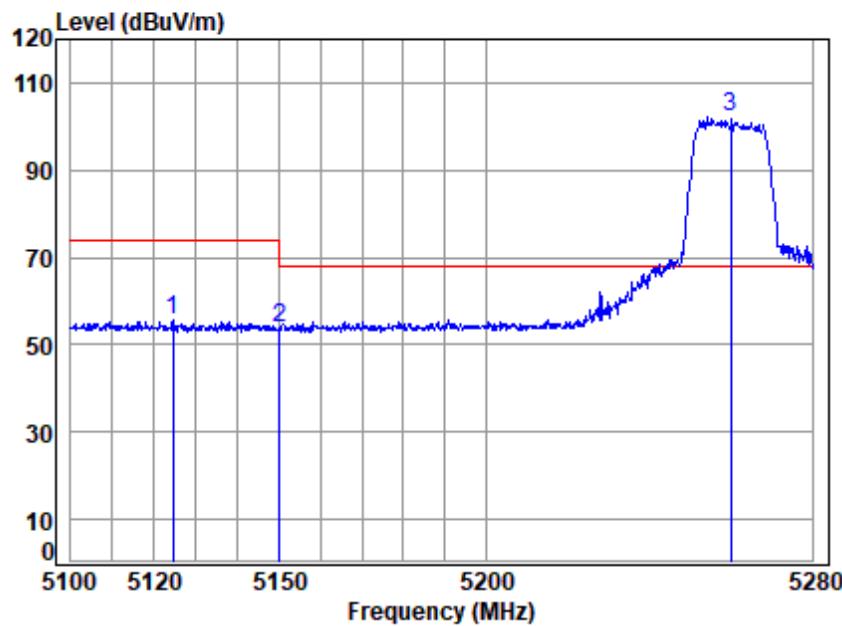


SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch No. 10, Nanshan Science & Technology Park, Shenzhen, Guangdong, China 518057

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

Test Mode: 03; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



Site : chamber  
Condition: 3m VERTICAL  
Job No : 04305AT/04306AT  
Mode : 5260 Band edge  
: 5G WIFI 11AC20

| Freq         | Cable Loss | Ant Factor | Preamp Factor | Read  | Limit Line | Over Limit | Remark |      |
|--------------|------------|------------|---------------|-------|------------|------------|--------|------|
|              |            |            |               | Level |            |            |        |      |
| MHz          | dB         | dB/m       | dB            | dB    | dBuV       | dBuV/m     | dBuV/m | dB   |
| 1 5124.470   | 18.80      | 33.95      | 31.27         | 34.03 | 55.51      | 74.00      | -18.49 | Peak |
| 2 5149.980   | 18.83      | 33.90      | 31.28         | 32.58 | 54.03      | 74.00      | -19.97 | Peak |
| 3 p 5260.000 | 18.99      | 34.12      | 31.34         | 80.23 | 102.00     | 68.20      | 33.80  | Peak |

SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch No. 10, Nanshan Science & Technology Park, Shenzhen, China

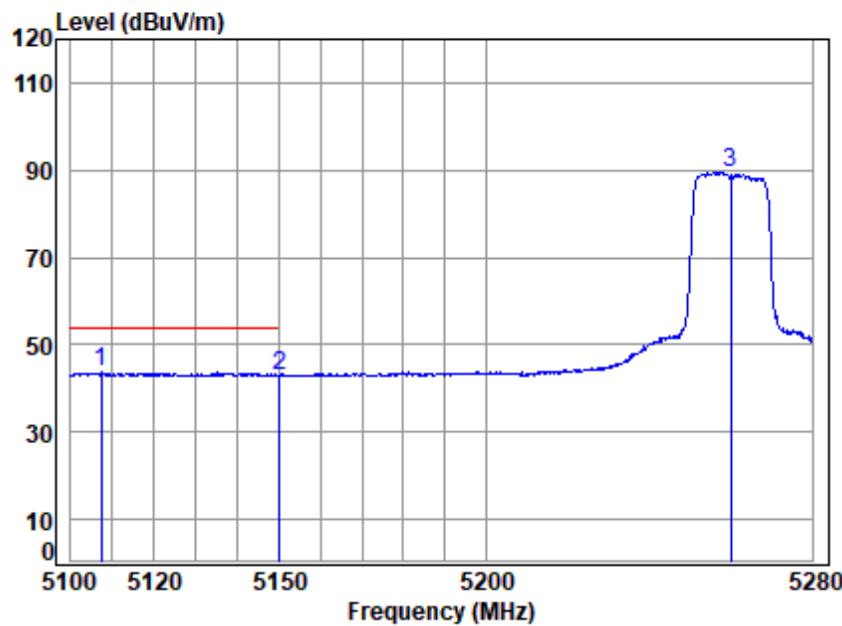
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction 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@sgs.com](mailto:CN_Doccheck@sgs.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](http://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](mailto:sgs.china@sgs.com)

Test Mode: 03; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



Site : chamber  
Condition: 3m VERTICAL  
Job No : 04305AT/04306AT  
Mode : 5260 Band edge  
: 5G WIFI 11AC20

| Freq         | Cable Loss | Ant Factor | Preamp Factor | Read  | Limit Line | Over Limit | Remark         |
|--------------|------------|------------|---------------|-------|------------|------------|----------------|
|              |            |            |               | Level |            |            |                |
| MHz          | dB         | dB/m       |               | dB    | dBuV       | dBuV/m     | dBuV/m         |
| 1 q 5107.258 | 18.77      | 33.99      | 31.26         | 22.09 | 43.59      | 54.00      | -10.41 Average |
| 2 5149.980   | 18.83      | 33.90      | 31.28         | 21.62 | 43.07      | 54.00      | -10.93 Average |
| 3 5260.000   | 18.99      | 34.12      | 31.34         | 67.72 | 89.49      | -----      | ----- Average  |

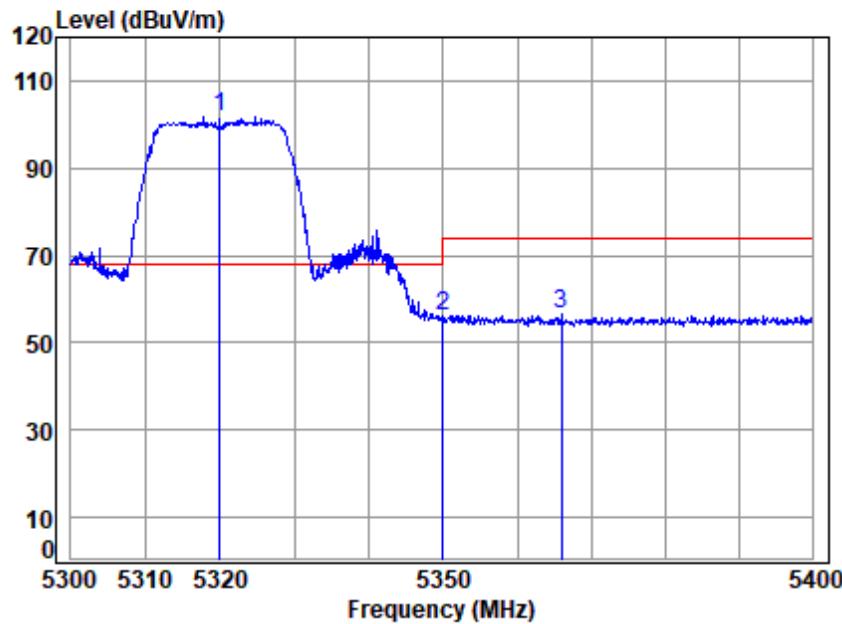
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction 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) 26012053, f (86-755) 26710594, www.sgsgroup.com.cn or email: CN\_Doccheck@sgs.com



SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch is a member of SGS Group LLC Laboratory.

Test Mode: 03; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 04305AT/04306AT  
Mode : 5320 Band edge  
: 5G WIFI 11AC20

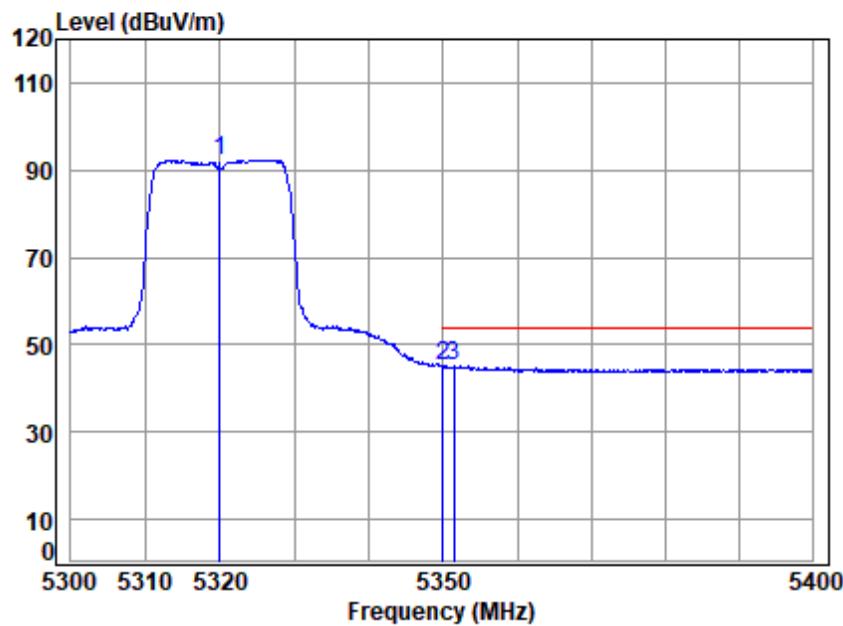
| Freq         | Cable Loss | Ant Factor | Preamp Factor | Read  | Limit Line | Over Limit | Remark |      |
|--------------|------------|------------|---------------|-------|------------|------------|--------|------|
|              |            |            |               | Level |            |            |        |      |
| MHz          | dB         | dB/m       |               | dB    | dBuV       | dBuV/m     | dBuV/m | dB   |
| 1 p 5320.000 | 19.07      | 34.28      | 31.37         | 79.78 | 101.76     | 68.20      | 33.56  | peak |
| 2 5350.020   | 19.11      | 34.40      | 31.39         | 33.78 | 55.90      | 74.00      | -18.10 | peak |
| 3 5365.991   | 19.13      | 34.46      | 31.39         | 34.16 | 56.36      | 74.00      | -17.64 | 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 <https://www.sgs.com/en/Terms-and-Conditions>. 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@sgs.com](mailto:CN_Doccheck@sgs.com)



Test Mode: 03; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:High

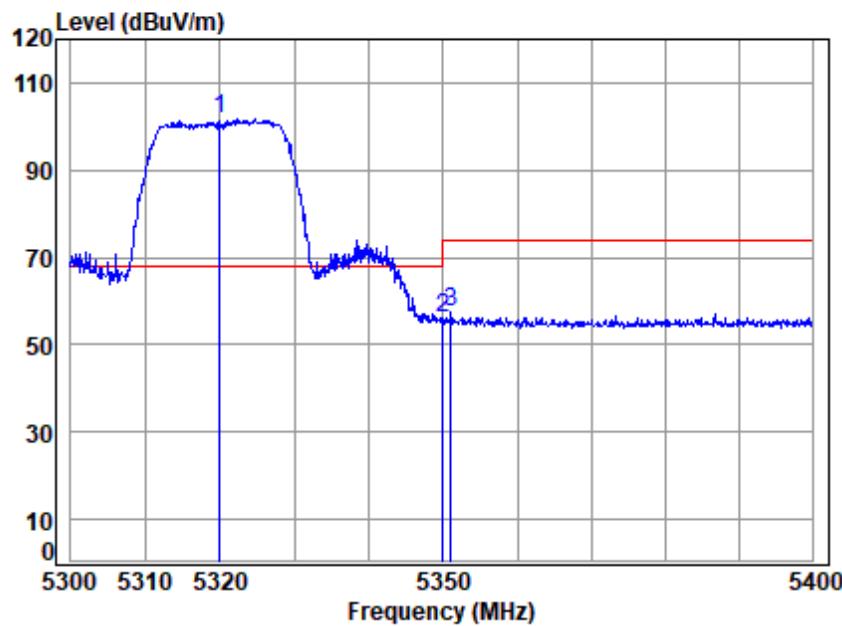


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 04305AT/04306AT  
Mode : 5320 Band edge  
: 5G WIFI 11AC20

| Freq         | Cable Loss | Ant Factor | Preamp Factor | Read  | Limit Line | Over Limit | Remark |         |
|--------------|------------|------------|---------------|-------|------------|------------|--------|---------|
|              |            |            |               | Level |            |            |        |         |
| MHz          | dB         | dB/m       | dB            | dB    | dBuV       | dBuV/m     | dBuV/m | dB      |
| 1 5320.000   | 19.07      | 34.28      | 31.37         | 70.40 | 92.38      | -----      | -----  | Average |
| 2 5350.020   | 19.11      | 34.40      | 31.39         | 22.94 | 45.06      | 54.00      | -8.94  | Average |
| 3 q 5351.467 | 19.11      | 34.41      | 31.39         | 23.01 | 45.14      | 54.00      | -8.86  | Average |



Test Mode: 03; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



Site : chamber  
Condition: 3m VERTICAL  
Job No : 04305AT/04306AT  
Mode : 5320 Band edge  
: 5G WIFI 11AC20

| Freq         | Cable | Ant    | Preamp | Read  | Limit  | Over   | Remark      |
|--------------|-------|--------|--------|-------|--------|--------|-------------|
|              | Loss  | Factor | Factor | Level |        |        |             |
| MHz          | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB          |
| 1 p 5320.000 | 19.07 | 34.28  | 31.37  | 79.73 | 101.71 | 68.20  | 33.51 Peak  |
| 2 5350.020   | 19.11 | 34.40  | 31.39  | 33.89 | 56.01  | 74.00  | -17.99 Peak |
| 3 5351.066   | 19.11 | 34.40  | 31.39  | 35.45 | 57.57  | 74.00  | -16.43 Peak |

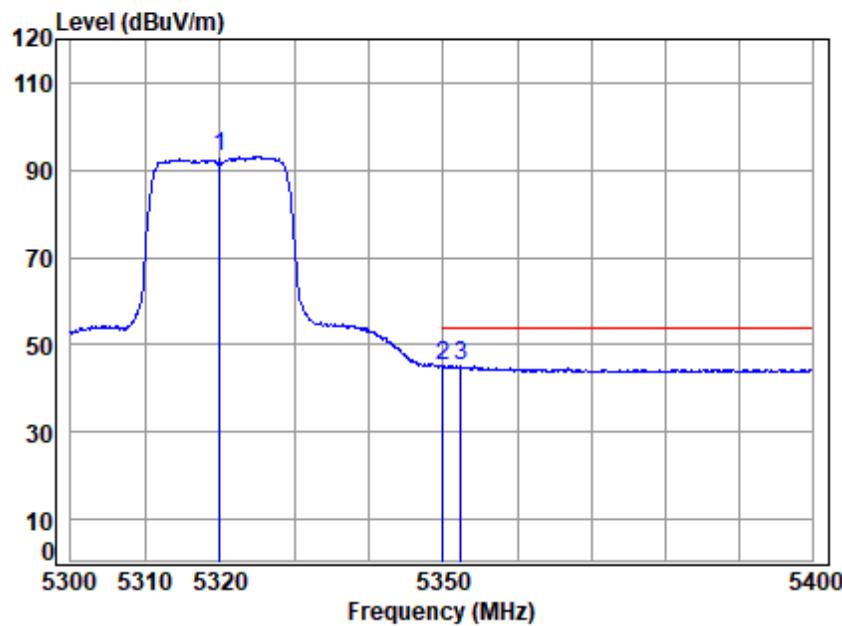
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction 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@sgs.com](mailto:CN_Doccheck@sgs.com)



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

Test Mode: 03; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



Site : chamber  
Condition: 3m VERTICAL  
Job No : 04305AT/04306AT  
Mode : 5320 Band edge  
: 5G WIFI 11AC20

| Freq         | Cable Loss | Ant Factor | Preamp Factor | Read  | Limit Line | Over Limit | Remark |         |
|--------------|------------|------------|---------------|-------|------------|------------|--------|---------|
|              |            |            |               | Level |            |            |        |         |
| MHz          | dB         | dB/m       | dB            | dB    | dBuV       | dBuV/m     | dBuV/m | dB      |
| 1 5320.000   | 19.07      | 34.28      | 31.37         | 71.22 | 93.20      | -----      | -----  | Average |
| 2 5350.020   | 19.11      | 34.40      | 31.39         | 23.12 | 45.24      | 54.00      | -8.76  | Average |
| 3 q 5352.367 | 19.11      | 34.41      | 31.39         | 23.12 | 45.25      | 54.00      | -8.75  | Average |

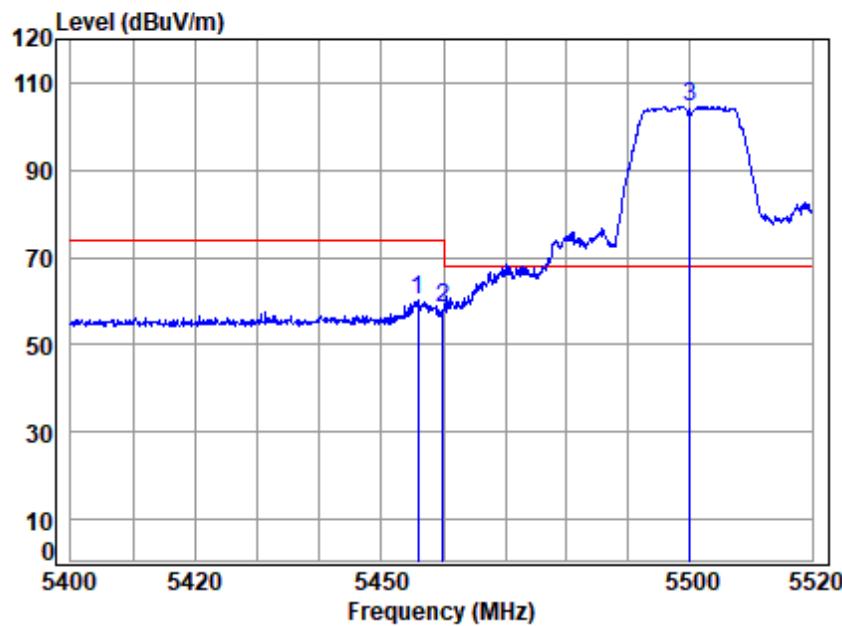
SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch No. 10, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. 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@sgs.com](mailto:CN_Doccheck@sgs.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](http://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](mailto:sgs.china@sgs.com)

Test Mode: 04; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 04305AT/04306AT  
Mode : 5500 Band edge  
: 5G WIFI 11A

| Freq         | Cable Loss | Ant Factor | Preamp Factor | Read  | Limit Line | Over Limit | Remark      |
|--------------|------------|------------|---------------|-------|------------|------------|-------------|
|              |            |            |               | Level |            |            |             |
| MHz          | dB         | dB/m       | dB            | dB    | dBuV       | dBuV/m     | dBuV/m      |
| 1 5455.832   | 19.25      | 34.68      | 31.44         | 37.76 | 60.25      | 74.00      | -13.75 peak |
| 2 5459.980   | 19.26      | 34.66      | 31.44         | 36.11 | 58.59      | 74.00      | -15.41 peak |
| 3 p 5500.000 | 19.31      | 34.50      | 31.46         | 82.34 | 104.69     | 68.20      | 36.49 peak  |

SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch No. 10, Nanshan Science & Technology Park, Shenzhen, China

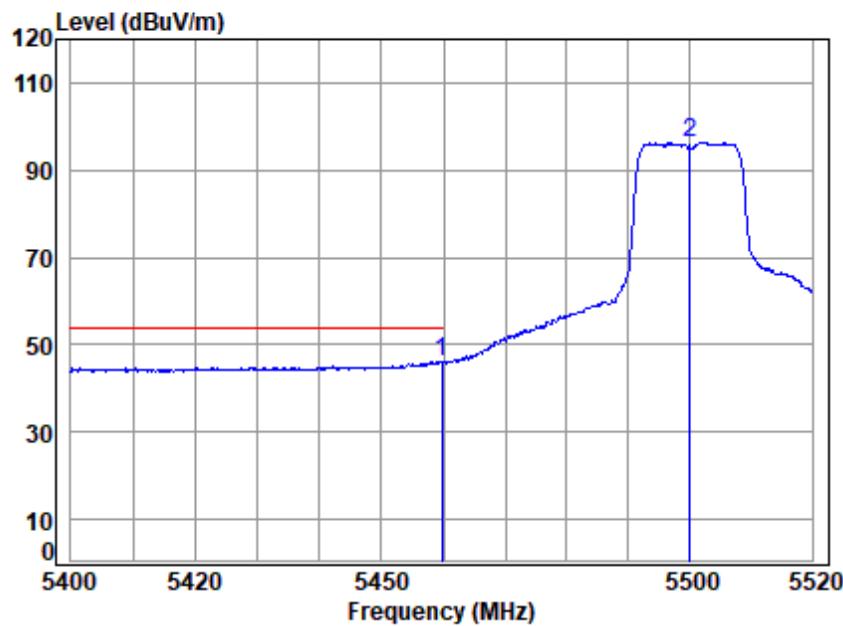
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction 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@sgs.com](mailto:CN_Doccheck@sgs.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](http://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](mailto:sgs.china@sgs.com)

Test Mode: 04; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 04305AT/04306AT  
Mode : 5500 Band edge  
: 5G WIFI 11A

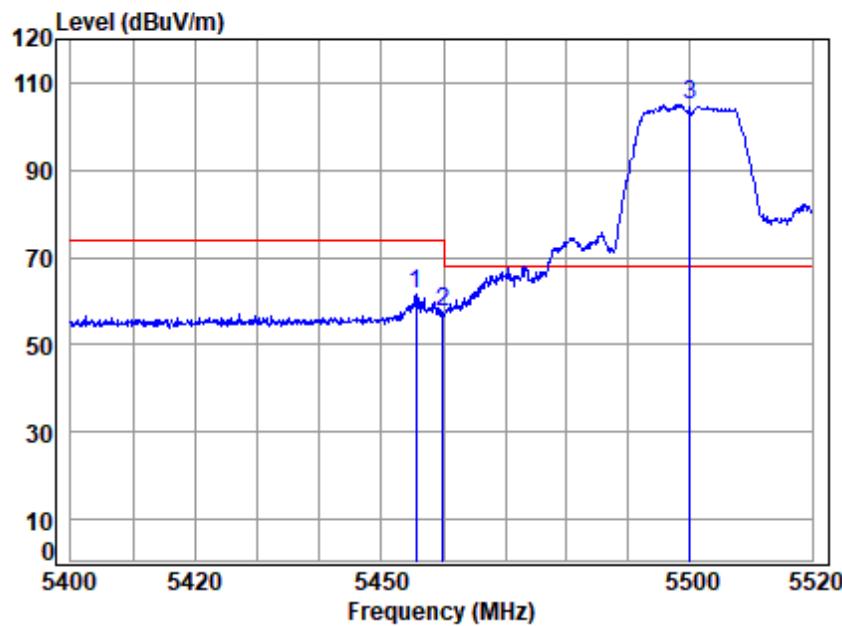
| Freq         | Cable Loss | Ant Factor | Preamp Factor | Read  | Limit Line | Over Limit | Remark        |
|--------------|------------|------------|---------------|-------|------------|------------|---------------|
|              |            |            |               | Level |            |            |               |
| MHz          | dB         | dB/m       | dB            | dB    | dBuV       | dBuV/m     | dB            |
| 1 q 5459.791 | 19.26      | 34.66      | 31.44         | 23.64 | 46.12      | 54.00      | -7.88 Average |
| 2 5500.000   | 19.31      | 34.50      | 31.46         | 74.03 | 96.38      | -----      | ----- 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 <https://www.sgs.com/en/Terms-and-Conditions>. 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@sgs.com](mailto:CN_Doccheck@sgs.com)



Test Mode: 04; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber  
Condition: 3m VERTICAL  
Job No : 04305AT/04306AT  
Mode : 5500 Band edge  
: 5G WIFI 11A

| Freq         | Cable Loss | Ant Factor | Preamp Factor | Read  | Limit Line | Over Limit | Remark      |
|--------------|------------|------------|---------------|-------|------------|------------|-------------|
|              |            |            |               | Level |            |            |             |
| MHz          | dB         | dB/m       | dB            | dBuV  | dBuV/m     | dBuV/m     | dB          |
| 1 5455.592   | 19.25      | 34.68      | 31.44         | 39.05 | 61.54      | 74.00      | -12.46 Peak |
| 2 5459.980   | 19.26      | 34.66      | 31.44         | 35.22 | 57.70      | 74.00      | -16.30 peak |
| 3 p 5500.000 | 19.31      | 34.50      | 31.46         | 82.60 | 104.95     | 68.20      | 36.75 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 <https://www.sgs.com/en/Terms-and-Conditions>. 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.

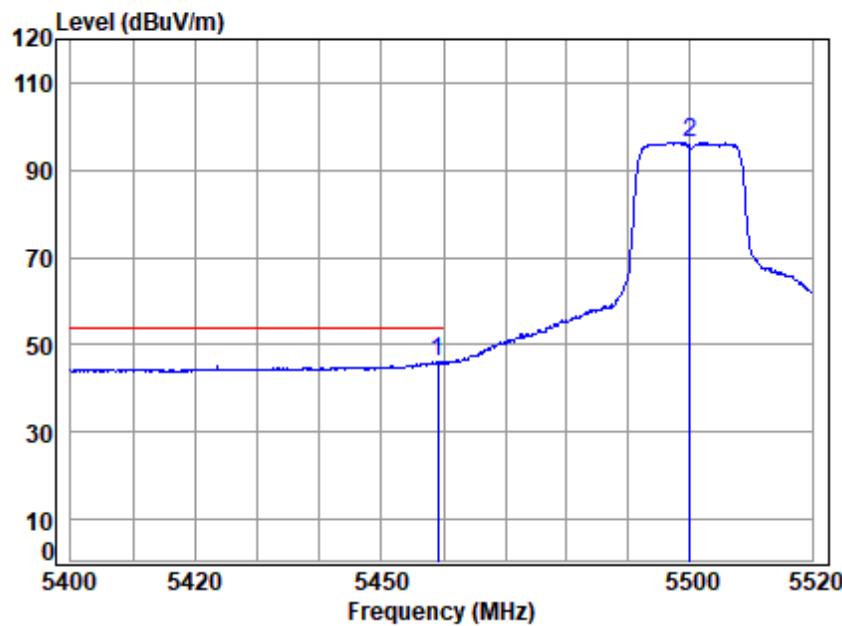
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN\\_Doccheck@sgs.com](mailto:CN_Doccheck@sgs.com)

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](http://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](mailto:sgs.china@sgs.com)



Test Mode: 04; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber  
Condition: 3m VERTICAL  
Job No : 04305AT/04306AT  
Mode : 5500 Band edge  
: 5G WIFI 11A

| Freq         | Cable | Ant    | Preamp | Read  | Limit  | Over   | Remark        |
|--------------|-------|--------|--------|-------|--------|--------|---------------|
|              | Loss  | Factor | Factor | Level |        |        |               |
| MHz          | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB            |
| 1 q 5459.070 | 19.26 | 34.66  | 31.44  | 23.70 | 46.18  | 54.00  | -7.82 Average |
| 2 5500.000   | 19.31 | 34.50  | 31.46  | 74.02 | 96.37  | -----  | ----- Average |

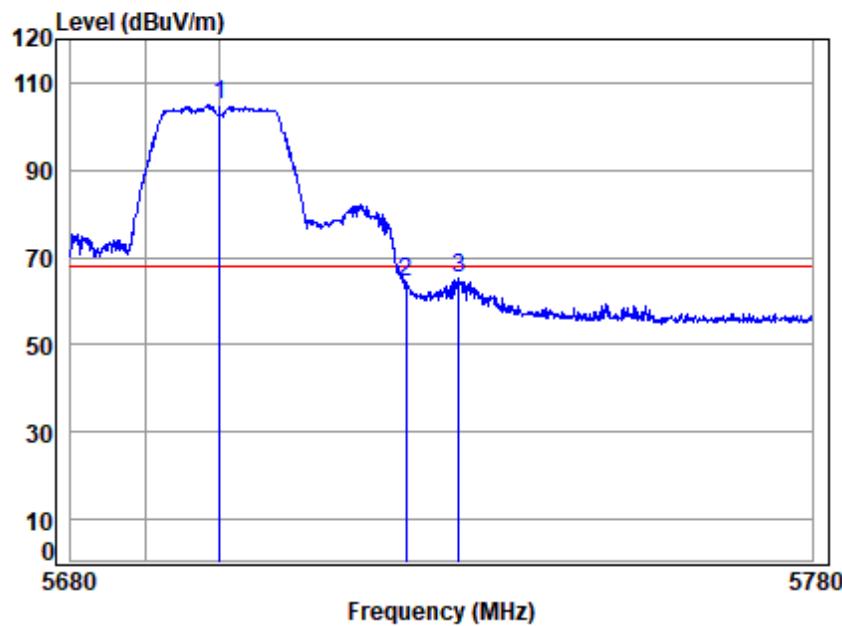
SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch No. 10, Nanshan Hi-Tech Park, Shenzhen, China

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. 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) 26012053, t (86-755) 26710594, www.sgsgroup.com.cn or email: CN\_Doccheck@sgs.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

Test Mode: 04; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 04305AT/04306AT  
Mode : 5700 Band edge  
: 5G WIFI 11A

| Freq         | Cable | Ant    | Preamp | Read  | Limit  | Over   | Remark     |
|--------------|-------|--------|--------|-------|--------|--------|------------|
|              | Loss  | Factor | Factor | Level |        |        |            |
| MHz          | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB         |
| 1 p 5700.000 | 19.44 | 34.30  | 31.56  | 82.84 | 105.02 | 68.20  | 36.82 peak |
| 2 5725.000   | 19.46 | 34.25  | 31.57  | 42.40 | 64.54  | 68.20  | -3.66 peak |
| 3 5732.083   | 19.46 | 34.24  | 31.57  | 43.07 | 65.20  | 68.20  | -3.00 peak |

SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch No. 10, Nanshan Hi-Tech Park, Shenzhen, China

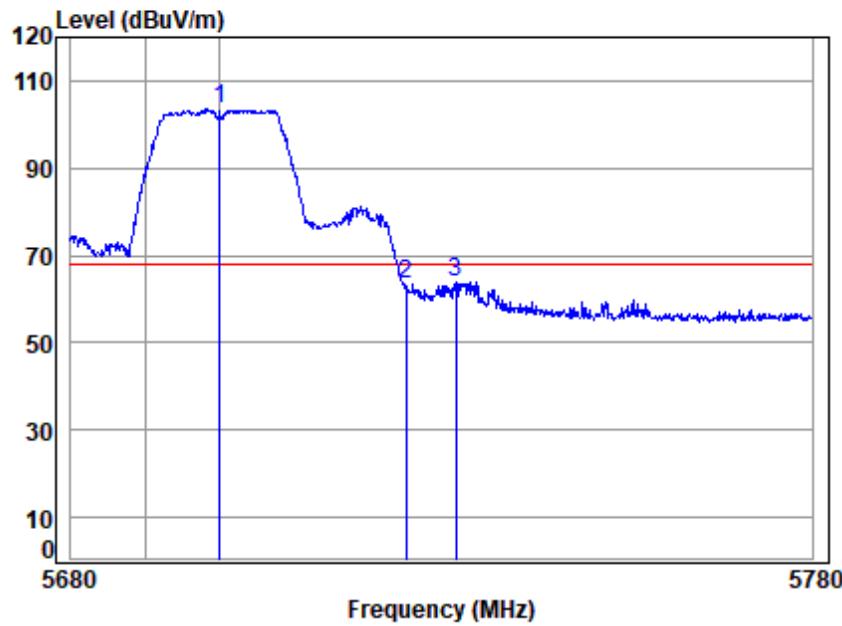
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction 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@sgs.com](mailto:CN_Doccheck@sgs.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](http://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](mailto:sgs.china@sgs.com)

Test Mode: 04; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Site : chamber  
Condition: 3m VERTICAL  
Job No : 04305AT/04306AT  
Mode : 5700 Band edge  
: 5G WIFI 11A

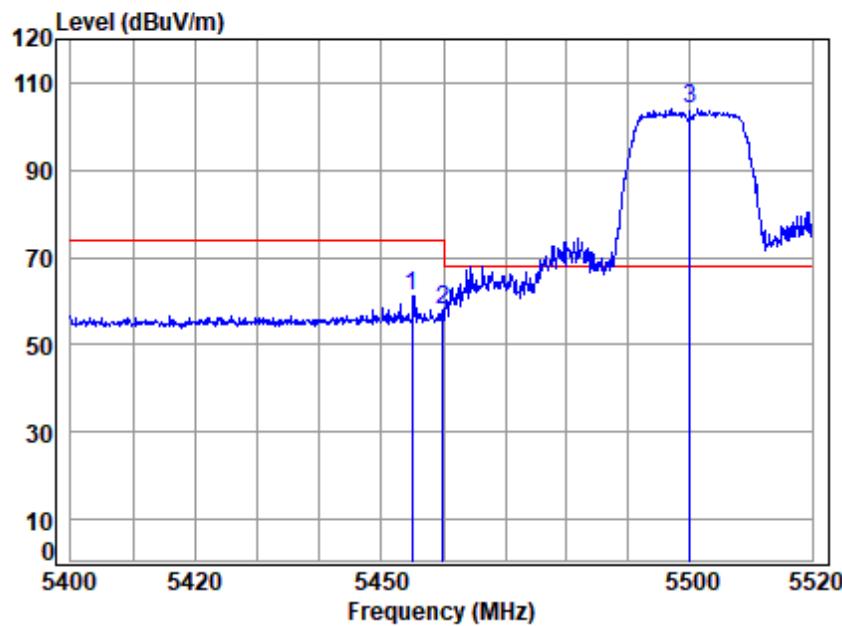
| Freq         | Cable Loss | Ant Factor | Preamp Factor | Read  | Limit Line | Over Limit | Remark |      |
|--------------|------------|------------|---------------|-------|------------|------------|--------|------|
|              |            |            |               | Level |            |            |        |      |
| MHz          | dB         | dB/m       | dB            | dB    | dBuV       | dBuV/m     | dBuV/m | dB   |
| 1 p 5700.000 | 19.44      | 34.30      | 31.56         | 81.41 | 103.59     | 68.20      | 35.39  | Peak |
| 2 5725.000   | 19.46      | 34.25      | 31.57         | 41.13 | 63.27      | 68.20      | -4.93  | Peak |
| 3 5731.682   | 19.46      | 34.24      | 31.57         | 41.95 | 64.08      | 68.20      | -4.12  | 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 <https://www.sgs.com/en/Terms-and-Conditions>. 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@sgs.com](mailto:CN_Doccheck@sgs.com)

Test Mode: 04; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 04305AT/04306AT  
Mode : 5500 Band edge  
: 5G WIFI 11N20

| Freq         | Cable Loss | Ant Factor | Preamp Factor | Read  | Limit Line | Over Limit | Remark      |
|--------------|------------|------------|---------------|-------|------------|------------|-------------|
|              |            |            |               | Level |            |            |             |
| MHz          | dB         | dB/m       | dB            | dBuV  | dBuV/m     | dBuV/m     | dB          |
| 1 5454.992   | 19.25      | 34.68      | 31.44         | 38.52 | 61.01      | 74.00      | -12.99 peak |
| 2 5459.980   | 19.26      | 34.66      | 31.44         | 35.57 | 58.05      | 74.00      | -15.95 peak |
| 3 p 5500.000 | 19.31      | 34.50      | 31.46         | 81.69 | 104.04     | 68.20      | 35.84 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 <https://www.sgs.com/en/Terms-and-Conditions>. 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.

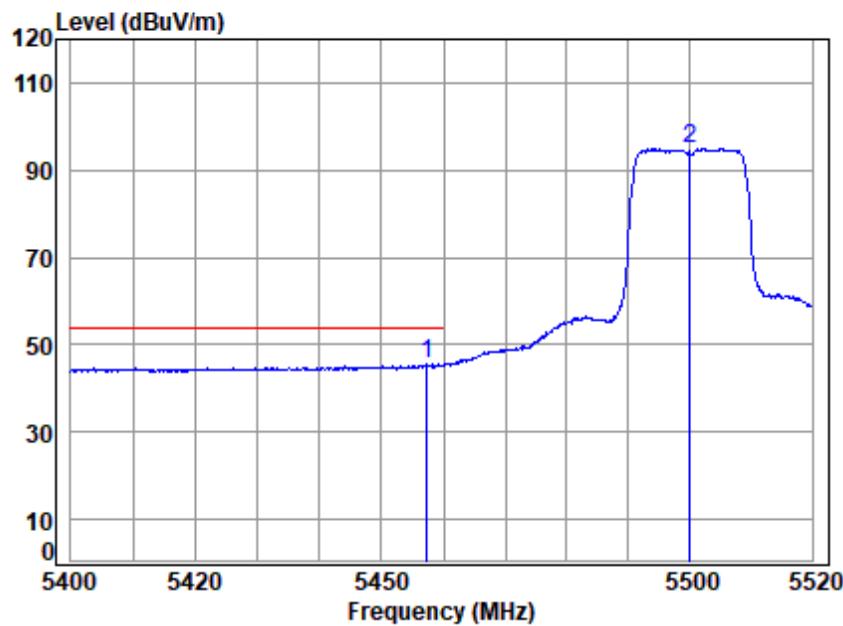
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN\\_Doccheck@sgs.com](mailto:CN_Doccheck@sgs.com)



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

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

Test Mode: 04; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 04305AT/04306AT  
Mode : 5500 Band edge  
: 5G WIFI 11N20

| Freq         | Cable | Ant    | Preamp | Read  | Limit  | Over   | Remark        |
|--------------|-------|--------|--------|-------|--------|--------|---------------|
|              | Loss  | Factor | Factor | Level |        |        |               |
| MHz          | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB            |
| 1 q 5457.271 | 19.25 | 34.67  | 31.44  | 23.14 | 45.62  | 54.00  | -8.38 Average |
| 2 5500.000   | 19.31 | 34.50  | 31.46  | 72.49 | 94.84  | -----  | ----- Average |



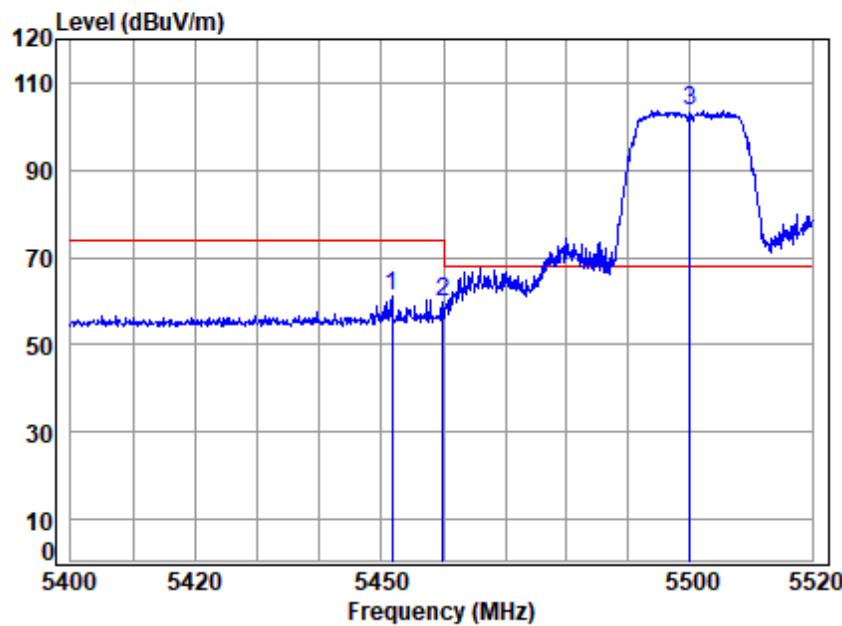
SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch No. 10, Nanshan Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. 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) 26012053, f (86-755) 26710594, www.sgsgroup.com.cn or email: CN\_Doccheck@sgs.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

Test Mode: 04; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Site : chamber  
Condition: 3m VERTICAL  
Job No : 04305AT/04306AT  
Mode : 5500 Band edge  
: 5G WIFI 11N20

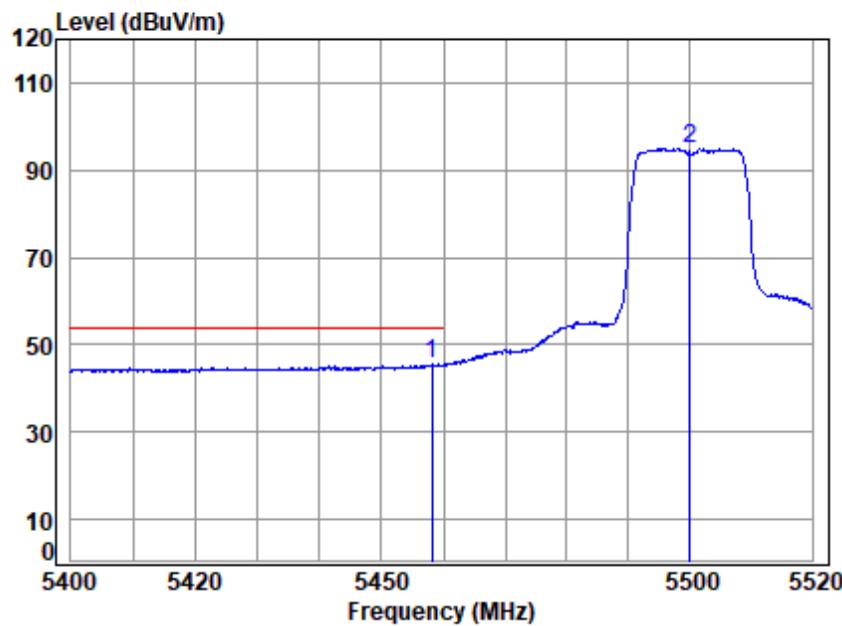
|      |          | Cable  | Ant    | Preamp | Read  |        | Limit  | Over   |        |
|------|----------|--------|--------|--------|-------|--------|--------|--------|--------|
| Freq | Loss     | Factor | Factor | Level  | Level | Level  | Line   | Limit  | Remark |
|      | MHz      | dB     | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB     |        |
| 1    | 5451.636 | 19.25  | 34.69  | 31.44  | 38.77 | 61.27  | 74.00  | -12.73 | Peak   |
| 2    | 5459.980 | 19.26  | 34.66  | 31.44  | 37.42 | 59.90  | 74.00  | -14.10 | peak   |
| 3 p  | 5500.000 | 19.31  | 34.50  | 31.46  | 81.23 | 103.58 | 68.20  | 35.38  | 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 <https://www.sgs.com/en/Terms-and-Conditions>. 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@sgs.com](mailto:CN_Doccheck@sgs.com)

Test Mode: 04; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Site : chamber  
Condition: 3m VERTICAL  
Job No : 04305AT/04306AT  
Mode : 5500 Band edge  
: 5G WIFI 11N20

| Freq         | Cable Loss | Ant Factor | Preamp Factor | Read  | Limit Line | Over Limit | Remark |         |
|--------------|------------|------------|---------------|-------|------------|------------|--------|---------|
|              |            |            |               | Level |            |            |        |         |
| MHz          | dB         | dB/m       | dB            | dB    | dBuV       | dBuV/m     | dBuV/m | dB      |
| 1 q 5458.110 | 19.25      | 34.67      | 31.44         | 23.04 | 45.52      | 54.00      | -8.48  | Average |
| 2 5500.000   | 19.31      | 34.50      | 31.46         | 72.63 | 94.98      | -----      | -----  | 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 <https://www.sgs.com/en/Terms-and-Conditions>. 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.

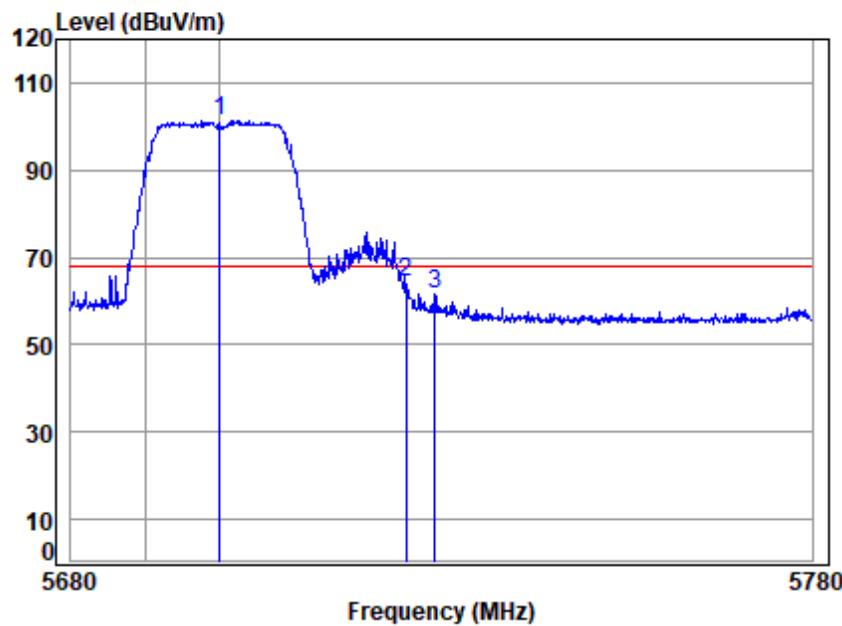
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN\\_Doccheck@sgs.com](mailto:CN_Doccheck@sgs.com)

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](http://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](mailto:sgs.china@sgs.com)



Test Mode: 04; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 04305AT/04306AT  
Mode : 5700 Band edge  
: 5G WIFI 11N20

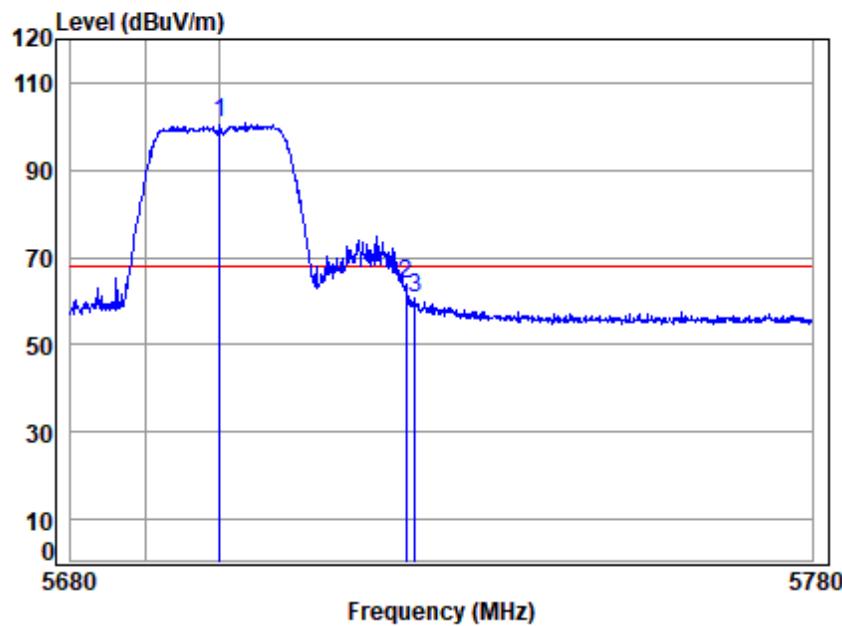
| Freq         | Cable Loss | Ant Factor | Preamp Factor | Read  | Limit Line | Over Limit | Remark |      |
|--------------|------------|------------|---------------|-------|------------|------------|--------|------|
|              |            |            |               | Level |            |            |        |      |
| MHz          | dB         | dB/m       | dB            | dB    | dBuV       | dBuV/m     | dBuV/m | dB   |
| 1 p 5700.000 | 19.44      | 34.30      | 31.56         | 79.30 | 101.48     | 68.20      | 33.28  | peak |
| 2 5725.000   | 19.46      | 34.25      | 31.57         | 42.41 | 64.55      | 68.20      | -3.65  | peak |
| 3 5728.882   | 19.46      | 34.24      | 31.57         | 39.69 | 61.82      | 68.20      | -6.38  | 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 <https://www.sgs.com/en/Terms-and-Conditions>. 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@sgs.com](mailto:CN_Doccheck@sgs.com)



Test Mode: 04; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Site : chamber  
Condition: 3m VERTICAL  
Job No : 04305AT/04306AT  
Mode : 5700 Band edge  
: 5G WIFI 11N20

| Freq         | Cable Loss | Ant Factor | Preamp Factor | Read  | Limit Line | Over Limit | Remark |      |
|--------------|------------|------------|---------------|-------|------------|------------|--------|------|
|              |            |            |               | Level |            |            |        |      |
| MHz          | dB         | dB/m       | dB            | dB    | dBuV       | dBuV/m     | dBuV/m | dB   |
| 1 p 5700.000 | 19.44      | 34.30      | 31.56         | 78.73 | 100.91     | 68.20      | 32.71  | Peak |
| 2 5725.000   | 19.46      | 34.25      | 31.57         | 41.96 | 64.10      | 68.20      | -4.10  | Peak |
| 3 5726.283   | 19.46      | 34.25      | 31.57         | 38.33 | 60.47      | 68.20      | -7.73  | 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 <https://www.sgs.com/en/Terms-and-Conditions>. 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.

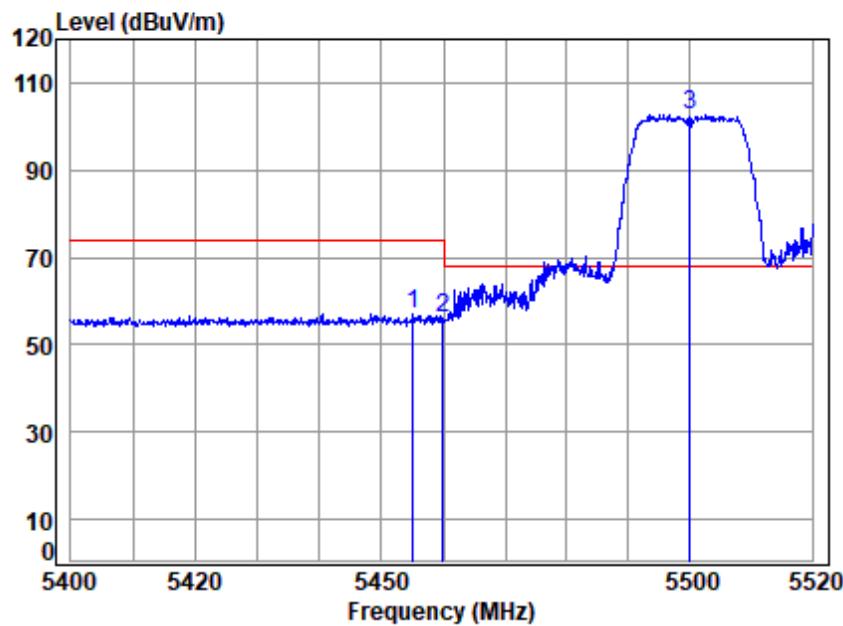
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN\\_Doccheck@sgs.com](mailto:CN_Doccheck@sgs.com)

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](http://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](mailto:sgs.china@sgs.com)



Test Mode: 04; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



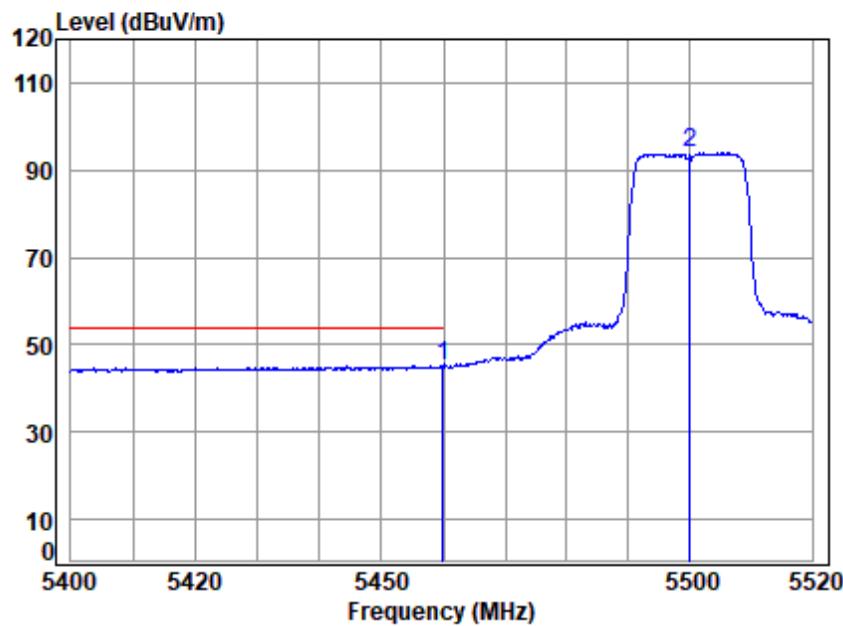
Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 04305AT/04306AT  
Mode : 5500 Band edge  
: 5G WIFI 11AC20

| Freq         | Cable Loss | Ant Factor | Preamp Factor | Read  | Limit Line | Over Limit | Remark      |
|--------------|------------|------------|---------------|-------|------------|------------|-------------|
|              |            |            |               | Level |            |            |             |
| MHz          | dB         | dB/m       | dB            | dB    | dBuV       | dBuV/m     | dBuV/m      |
| 1 5455.112   | 19.25      | 34.68      | 31.44         | 34.41 | 56.90      | 74.00      | -17.10 peak |
| 2 5459.980   | 19.26      | 34.66      | 31.44         | 33.50 | 55.98      | 74.00      | -18.02 peak |
| 3 p 5500.000 | 19.31      | 34.50      | 31.46         | 80.43 | 102.78     | 68.20      | 34.58 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 <https://www.sgs.com/en/Terms-and-Conditions>. 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@sgs.com](mailto:CN_Doccheck@sgs.com)

Test Mode: 04; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 04305AT/04306AT  
Mode : 5500 Band edge  
: 5G WIFI 11AC20

| Freq         | Cable | Ant    | Preamp | Read  | Limit  | Over   | Remark        |
|--------------|-------|--------|--------|-------|--------|--------|---------------|
|              | Loss  | Factor | Factor | Level |        |        |               |
| MHz          | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB            |
| 1 q 5459.910 | 19.26 | 34.66  | 31.44  | 22.59 | 45.07  | 54.00  | -8.93 Average |
| 2 5500.000   | 19.31 | 34.50  | 31.46  | 71.70 | 94.05  | -----  | ----- Average |

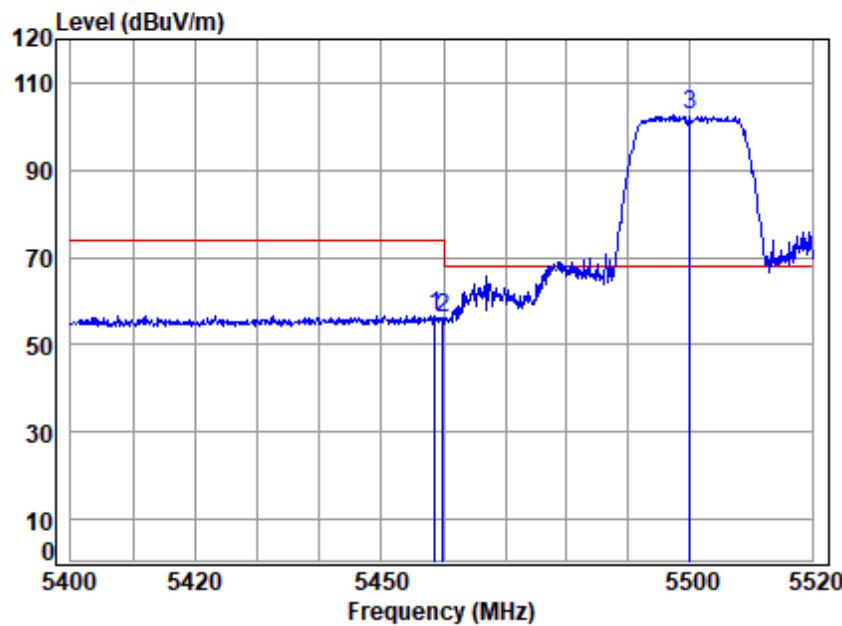
SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch No. 10, Nanshan Science & Technology Park, Shenzhen, China

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. 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) 26012053 f (86-755) 26710594 [www.sgsgroup.com.cn](http://www.sgsgroup.com.cn)

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 f (86-755) 26710594 [sgs.china@sgs.com](mailto:sgs.china@sgs.com)

Test Mode: 04; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



Site : chamber  
Condition: 3m VERTICAL  
Job No : 04305AT/04306AT  
Mode : 5500 Band edge  
: 5G WIFI 11AC20

| Freq | Cable Loss | Ant Factor | Preamp Factor | Read  | Limit Line | Over Limit | Remark |             |
|------|------------|------------|---------------|-------|------------|------------|--------|-------------|
|      |            |            |               | Level |            |            |        |             |
| MHz  | dB         | dB/m       | dB            | dB    | dBuV       | dBuV/m     | dBuV/m | dB          |
| 1    | 5458.590   | 19.26      | 34.67         | 31.44 | 34.29      | 56.78      | 74.00  | -17.22 Peak |
| 2    | 5459.980   | 19.26      | 34.66         | 31.44 | 33.75      | 56.23      | 74.00  | -17.77 peak |
| 3 p  | 5500.000   | 19.31      | 34.50         | 31.46 | 80.18      | 102.53     | 68.20  | 34.33 Peak  |

SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch No. 10, Nanshan Science & Technology Park, Shenzhen, China

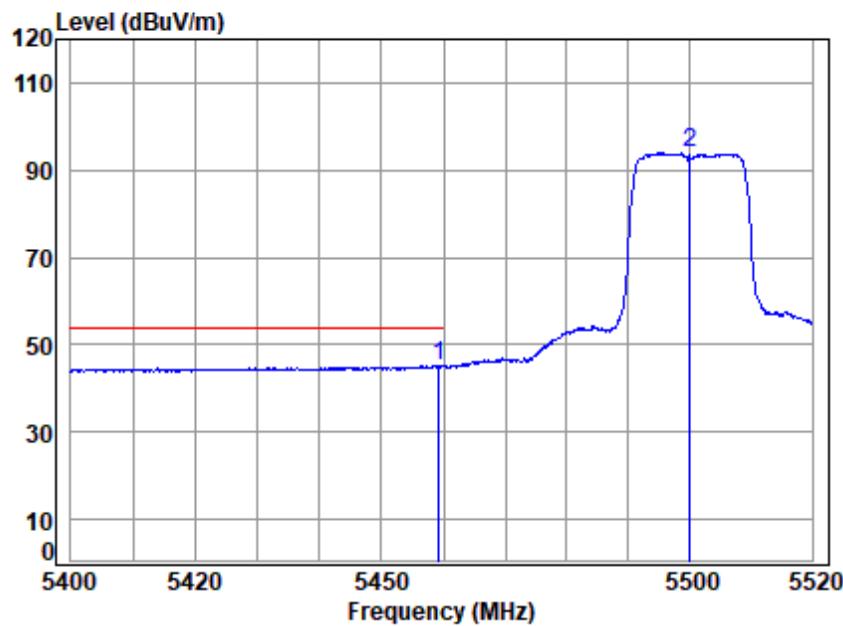
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction 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@sgs.com](mailto:CN_Doccheck@sgs.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](http://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](mailto:sgs.china@sgs.com)

Test Mode: 04; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



Site : chamber  
Condition: 3m VERTICAL  
Job No : 04305AT/04306AT  
Mode : 5500 Band edge  
: 5G WIFI 11AC20

| Freq         | Cable | Ant    | Preamp | Read  | Limit  | Over   | Remark        |
|--------------|-------|--------|--------|-------|--------|--------|---------------|
|              | Loss  | Factor | Factor | Level |        |        |               |
| MHz          | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB            |
| 1 q 5459.190 | 19.26 | 34.66  | 31.44  | 22.79 | 45.27  | 54.00  | -8.73 Average |
| 2 5500.000   | 19.31 | 34.50  | 31.46  | 71.56 | 93.91  | -----  | ----- Average |

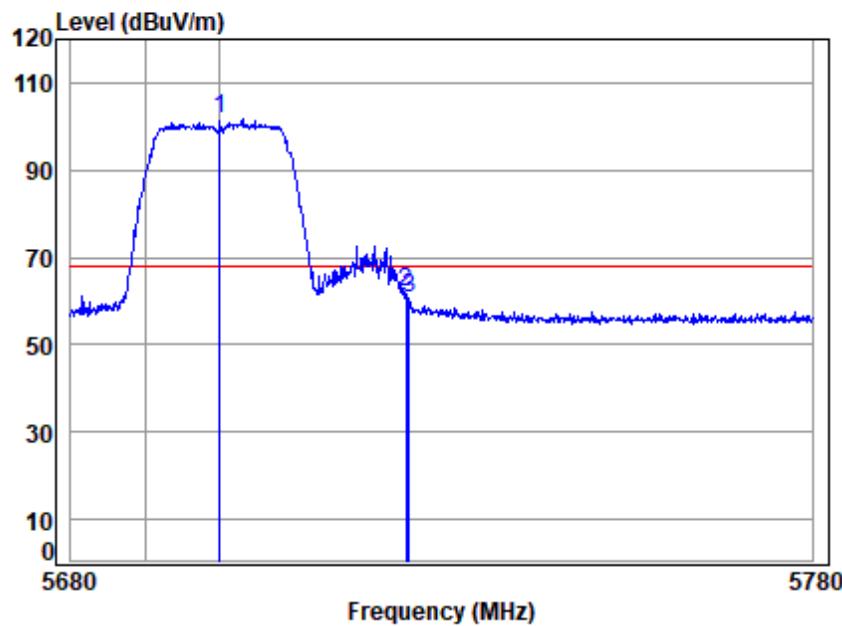


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction 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) 26012053 f (86-755) 26710594 [www.sgsgroup.com.cn](http://www.sgsgroup.com.cn)

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 f (86-755) 26710594 [sgs.china@sgs.com](mailto:sgs.china@sgs.com)

Test Mode: 04; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 04305AT/04306AT  
Mode : 5700 Band edge  
: 5G WIFI 11AC20

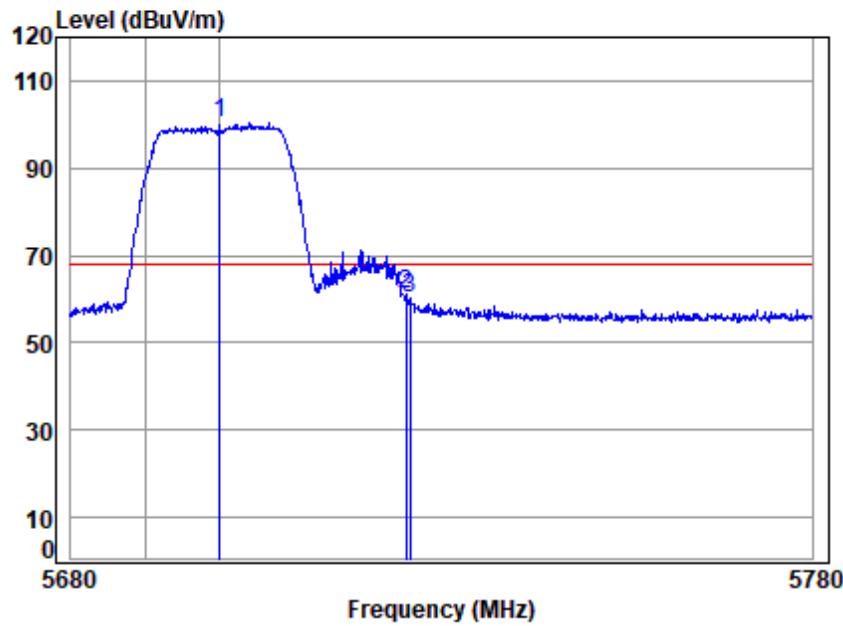
| Freq         | Cable Loss | Ant Factor | Preamp Factor | Read  | Limit Line | Over Limit | Remark |      |
|--------------|------------|------------|---------------|-------|------------|------------|--------|------|
|              |            |            |               | Level |            |            |        |      |
| MHz          | dB         | dB/m       | dB            | dB    | dBuV       | dBuV/m     | dBuV/m | dB   |
| 1 p 5700.000 | 19.44      | 34.30      | 31.56         | 79.49 | 101.67     | 68.20      | 33.47  | peak |
| 2 5725.000   | 19.46      | 34.25      | 31.57         | 40.04 | 62.18      | 68.20      | -6.02  | peak |
| 3 5725.483   | 19.46      | 34.25      | 31.57         | 38.49 | 60.63      | 68.20      | -7.57  | 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 <https://www.sgs.com/en/Terms-and-Conditions>. 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@sgs.com](mailto:CN_Doccheck@sgs.com)

Test Mode: 04; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



Site : chamber  
Condition: 3m VERTICAL  
Job No : 04305AT/04306AT  
Mode : 5700 Band edge  
: 5G WIFI 11AC20

| Freq         | Cable | Ant    | Preamp | Read  | Limit  | Over   | Remark     |
|--------------|-------|--------|--------|-------|--------|--------|------------|
|              | Loss  | Factor | Factor | Level |        |        |            |
| MHz          | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB         |
| 1 p 5700.000 | 19.44 | 34.30  | 31.56  | 78.31 | 100.49 | 68.20  | 32.29 Peak |
| 2 5725.000   | 19.46 | 34.25  | 31.57  | 38.85 | 60.99  | 68.20  | -7.21 Peak |
| 3 5725.583   | 19.46 | 34.25  | 31.57  | 38.29 | 60.43  | 68.20  | -7.77 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 <https://www.sgs.com/en/Terms-and-Conditions>. 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@sgs.com](mailto:CN_Doccheck@sgs.com)

## 6.5 Duty Cycle

Test Requirement KDB 789033 D02 II B 1

Test Method: KDB 789033 D02 II B 1

### 6.5.1 E.U.T. Operation

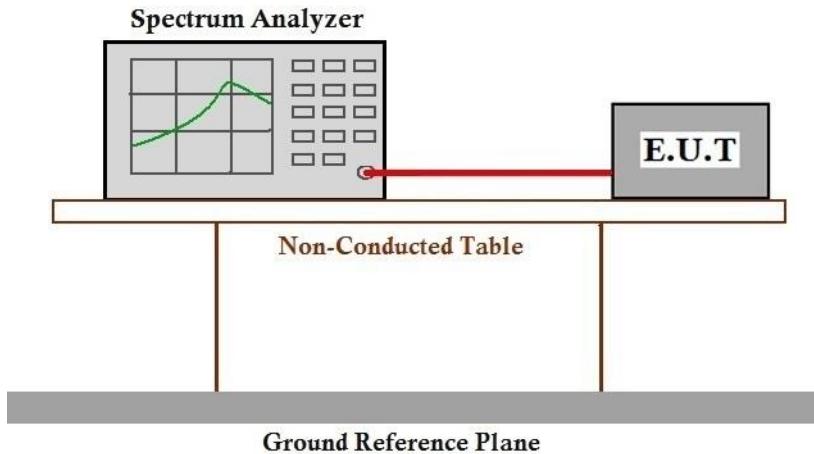
Operating Environment:

Temperature: 24.6 °C      Humidity: 47.3 % RH      Atmospheric Pressure: 1020 mbar

### 6.5.2 Test Mode Description

| Pre-scan / Final test | Mode Code | Description  |
|-----------------------|-----------|--|
| Final test            | 00        | TX mode (U-NII-2A) _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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20, Only the data of worst case is recorded in the report. |
| Final test            | 01        | TX mode (U-NII-2C) _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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20, Only the data of worst case is recorded in the report. |

### 6.5.3 Test Setup Diagram



### 6.5.4 Measurement Procedure and Data

Please Refer to Appendix for Details



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. 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@sgs.com](mailto:CN_Doccheck@sgs.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](http://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](mailto:sgs.china@sgs.com)

## 6.6 99% Bandwidth

Test Requirement N/A

Test Method: KDB 789033 D02 II D

### 6.6.1 E.U.T. Operation

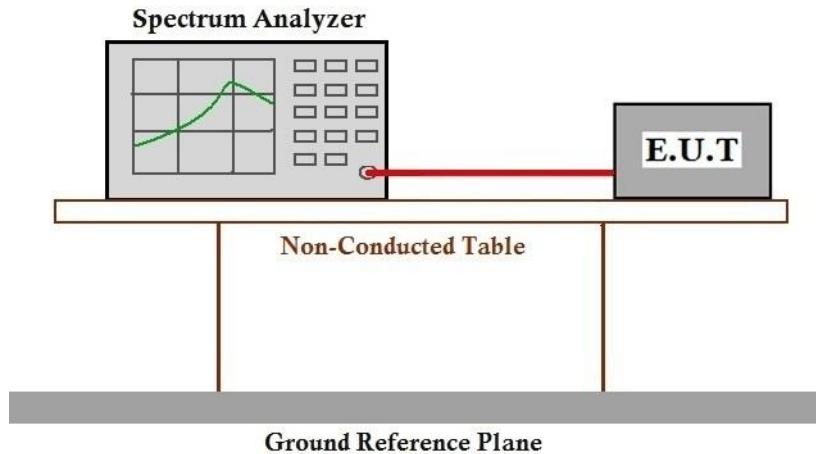
Operating Environment:

Temperature: 24.6 °C      Humidity: 47.3 % RH      Atmospheric Pressure: 1020 mbar

### 6.6.2 Test Mode Description

| Pre-scan / Final test | Mode Code | Description  |
|-----------------------|-----------|--|
| Final test            | 00        | TX mode (U-NII-2A) _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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20, Only the data of worst case is recorded in the report. |
| Final test            | 01        | TX mode (U-NII-2C) _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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20, Only the data of worst case is recorded in the report. |

### 6.6.3 Test Setup Diagram



### 6.6.4 Measurement Procedure and Data

Please Refer to Appendix for Details



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. 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@sgs.com](mailto:CN_Doccheck@sgs.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](http://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](mailto:sgs.china@sgs.com)

## 6.7 26dB Emission bandwidth

Test Requirement 47 CFR Part 15, Subpart E 15.407 (a)

Test Method: KDB 789033 D02 II C 1

### 6.7.1 E.U.T. Operation

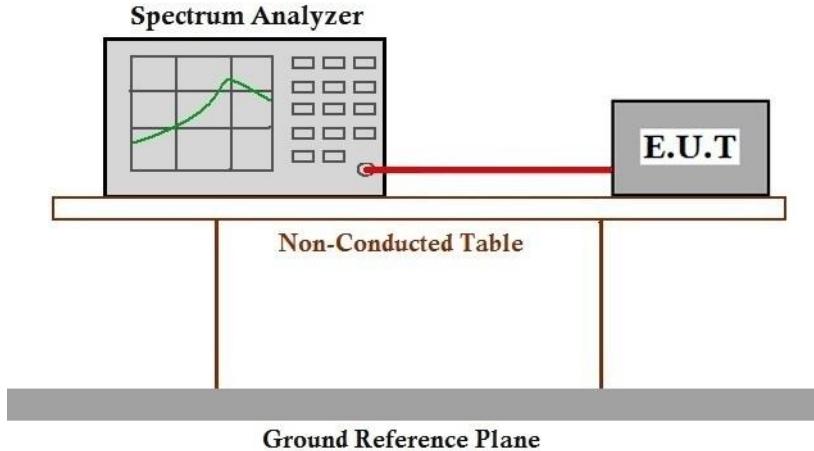
Operating Environment:

Temperature: 24.6 °C      Humidity: 47.3 % RH      Atmospheric Pressure: 1020 mbar

### 6.7.2 Test Mode Description

| Pre-scan / Final test | Mode Code | Description  |
|-----------------------|-----------|--|
| Final test            | 00        | TX mode (U-NII-2A) _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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20, Only the data of worst case is recorded in the report. |
| Final test            | 01        | TX mode (U-NII-2C) _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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20, Only the data of worst case is recorded in the report. |

### 6.7.3 Test Setup Diagram



### 6.7.4 Measurement Procedure and Data

Please Refer to Appendix for Details



SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch is a member of SGS Group LLC Laboratory.

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. 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@sgs.com](mailto:CN_Doccheck@sgs.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](http://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](mailto:sgs.china@sgs.com)

## 6.8 Peak Power spectrum density

Test Requirement 47 CFR Part 15, Subpart E 15.407 (a)

Test Method: KDB 789033 D02 II F

Limit:

| Frequency band(MHz) | Limit  |
|---------------------|--|
| 5150-5250           | ≤17dBm in 1MHz for master device   |
|                     | ≤11dBm in 1MHz for client device   |
| 5250-5350           | ≤11dBm in 1MHz for client device   |
| 5470-5725           | ≤11dBm in 1MHz for client device   |
| 5725-5850           | ≤30dBm in 500 kHz  |
| Remark:             | The maximum power spectral density is measured as a conducted emission by direct connection of a calibrated test instrument to the equipment under test. |

### 6.8.1 E.U.T. Operation

Operating Environment:

Temperature: 24.6 °C      Humidity: 47.3 % RH      Atmospheric Pressure: 1020 mbar

### 6.8.2 Test Mode Description

| Pre-scan / Final test | Mode Code | Description  |
|-----------------------|-----------|--|
| Final test            | 00        | TX mode (U-NII-2A) _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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20, Only the data of worst case is recorded in the report. |
| Final test            | 01        | TX mode (U-NII-2C) _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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20, 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 <https://www.sgs.com/en/Terms-and-Conditions>. 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.

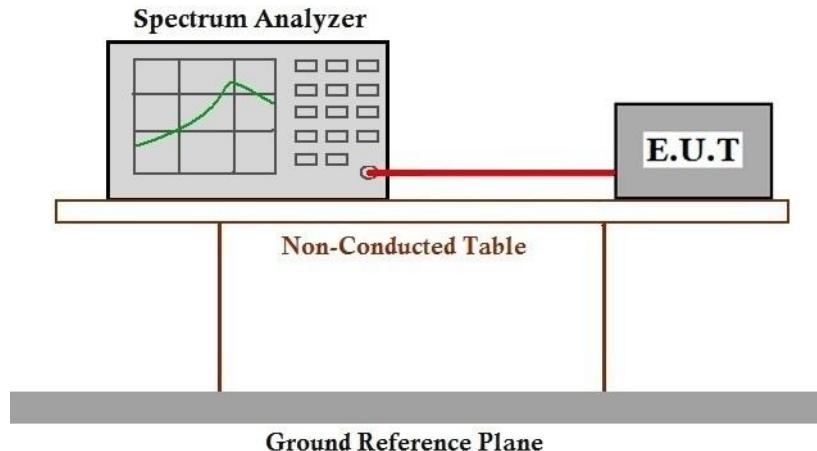
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN\\_Doccheck@sgs.com](mailto:CN_Doccheck@sgs.com)

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](http://www.sgsgroup.com.cn)



SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch is a member of SGS Group (SGS SA) Laboratory.

### 6.8.3 Test Setup Diagram



### 6.8.4 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 <https://www.sgs.com/en/Terms-and-Conditions>. 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@sgs.com](mailto:CN_Doccheck@sgs.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](http://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](mailto:sgs.china@sgs.com)

## 6.9 Frequency Stability

Test Requirement 47 CFR Part 15, Subpart E 15.407 (g)

Test Method: ANSI C63.10 (2013) Section 6.8

### 6.9.1 E.U.T. Operation

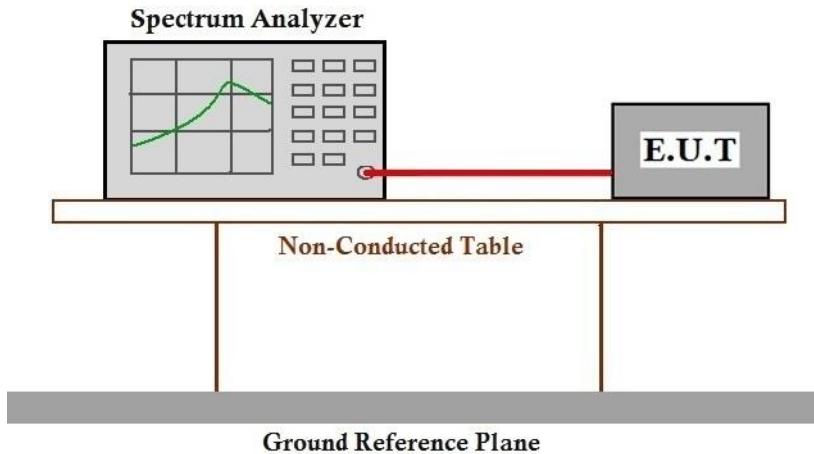
Operating Environment:

Temperature: 24.6 °C      Humidity: 47.3 % RH      Atmospheric Pressure: 1020 mbar

### 6.9.2 Test Mode Description

| Pre-scan / Final test | Mode Code | Description  |
|-----------------------|-----------|--|
| Final test            | 00        | TX mode (U-NII-2A) _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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20, Only the data of worst case is recorded in the report. |
| Final test            | 01        | TX mode (U-NII-2C) _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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20, Only the data of worst case is recorded in the report. |

### 6.9.3 Test Setup Diagram



### 6.9.4 Measurement Procedure and Data

Please Refer to Appendix for Details



SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch is a member of SGS Group LLC Laboratory.

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. 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@sgs.com](mailto:CN_Doccheck@sgs.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](http://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](mailto:sgs.china@sgs.com)

## 6.10 Channel Move Time

Test Requirement KDB 905462 D02 Section 5.1

Test Method: KDB 905462 D02 Section 7.8.3

Limit:

| Test item   | Limit   | Applicability                                |                                |
|---|---|--|--------------------------------|
|   |   | Master Device or client with Radar Detection | Client without Radar Detection |
| Non-occupancy period  | Minimum 30 minutes  | Yes  | Not required                   |
| Channel Availability Check Time   | 60 seconds  | Yes  | Not required                   |
| Channel Move Time   | 10 seconds<br>See Note 1.   | Yes  | Yes                            |
| Channel Closing Transmission Time   | 200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period.<br>See Notes 1 and 2. | Yes  | Yes                            |
| U-NII Detection Bandwidth   | Minimum 100% of the U-NII 99% transmission power bandwidth. See Note 3.                                   | Yes  | Not required                   |
| <p>Note 1: Channel Move Time and the Channel Closing Transmission Time should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst.</p> <p>Note 2: The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required to facilitate a Channel move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions.</p> <p>Note 3: During the U-NII Detection Bandwidth detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.</p> |   |  |                                |

### 6.10.1 E.U.T. Operation

Operating Environment:

Temperature: 24.0 °C

Humidity: 59.5 % RH

Atmospheric Pressure: 1020 mbar

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

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. 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@sgs.com](mailto:CN_Doccheck@sgs.com)

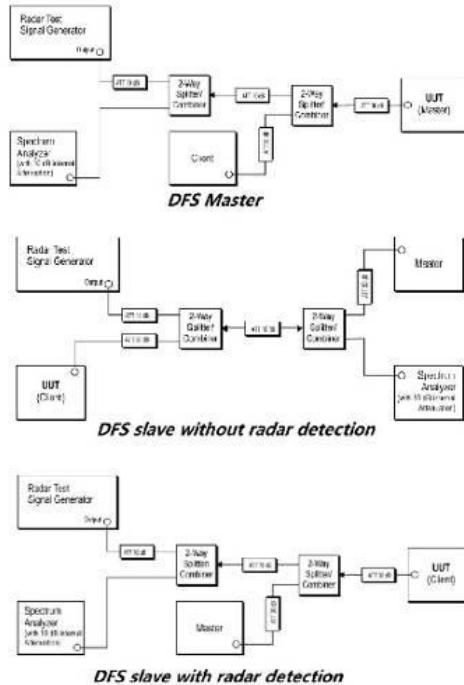
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 f (86-755) 26710594 [www.sgsgroup.com.cn](http://www.sgsgroup.com.cn)

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](mailto:sgs.china@sgs.com)

### 6.10.2 Test Mode Description

| Pre-scan / Final test | Mode Code | Description  |
|-----------------------|-----------|--|
| Final test            | 09        | Normal operating_Keep the EUT communication with the companion device. |

### 6.10.3 Test Setup Diagram



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. 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) 26012053, or email: [CN\\_Doccheck@sgs.com](mailto:CN_Doccheck@sgs.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](http://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](mailto:sgs.china@sgs.com)



**6.10.4 Measurement Procedure and Data**

- 1) The radar pulse generator is setup to provide a pulse at frequency that the master and client are operating. A type 0 radar pulse with a 1us pulse width and a 1428us PRI is used for the testing.
- 2) The vector signal generator is adjusted to provide the radar burst (18 pulses) at the level of approximately -61dBm at the antenna port of the master device.
- 3) A trigger is provided from the pulse generator to the DFS monitoring system in order to capture the traffic and the occurrence of the radar pulse.
- 4) EUT will associate with the master at channel. The file "iperf.exe" specified by the FCC is streamed from the PC 2 through the master and the client device to the PC 1 and played in full motion video using Media Player Classic Ver. 6.4.8.6 in order to properly load the network for the entire period of the test.
- 5) When radar burst with a level equal to the DFS Detection Threshold +1dB is generated on the operating channel of the U-NII device. At time T0 the radar waveform generator sends a burst of pulse of the radar waveform at Detection Threshold +1dB.
- 6) Observe the transmissions of the EUT at the end of the radar Burst on the Operating Channel. Measure and record the transmissions from the UUT during the observation time (Channel Move Time). One 15 seconds plot is reported for the Short Pulse Radar Type 0. The plot for the Short Pulse Radar Types start at the end of the radar burst. The Channel Move Time will be calculated based on the zoom in 600ms plot of the Short Pulse Radar Type.
- 7) Measurement of the aggregate duration of the Channel Closed Transmission Time method. With the spectrum analyzer set to zero span tuned to the center frequency of the EUT operating channel at the radar simulated frequency, peak detection, and max hold, the dwell time per bin is given by: Dwell (0.3ms) =  $S$  (12000ms) /  $B$  (4000); where Dwell is the dwell time per spectrum analyzer sampling bin,  $S$  is sweep time and  $B$  is the number of spectrum analyzer sampling bins. An upper bound of the aggregate duration of the intermittent control signals of Channel Closing Transmission Time is calculated by:  $C$  (ms) =  $N$  X Dwell (0.3ms); where  $C$  is the Closing Time,  $N$  is the number of spectrum analyzer sampling bins (intermittent control signals) showing a U-NII transmission and Dwell is the dwell time per bin.
- 8) Measurement the EUT for more than 30 minutes following the channel move time to verify that no transmission or beacons occur on this channel.

Please Refer to Appendix for Details



SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch No. 10, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. 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@sgs.com](mailto:CN_Doccheck@sgs.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](http://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](mailto:sgs.china@sgs.com)

**6.11 Channel Closing Transmission Time**

Test Requirement KDB 905462 D02 Section 5.1

Test Method: KDB 905462 D02 Section 7.8.3

Limit:

| Test item   | Limit   | Applicability                                |                                |
|---|---|--|--------------------------------|
|   |   | Master Device or client with Radar Detection | Client without Radar Detection |
| Non-occupancy period  | Minimum 30 minutes  | Yes  | Not required                   |
| Channel Availability Check Time   | 60 seconds  | Yes  | Not required                   |
| Channel Move Time   | 10 seconds<br>See Note 1.   | Yes  | Yes                            |
| Channel Closing Transmission Time   | 200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period.<br>See Notes 1 and 2. | Yes  | Yes                            |
| U-NII Detection Bandwidth   | Minimum 100% of the U-NII 99% transmission power bandwidth. See Note 3.                                   | Yes  | Not required                   |
| <p>Note 1: Channel Move Time and the Channel Closing Transmission Time should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst.</p> <p>Note 2: The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required to facilitate a Channel move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions.</p> <p>Note 3: During the U-NII Detection Bandwidth detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.</p> |   |  |                                |

**6.11.1 E.U.T. Operation**

Operating Environment:

Temperature: 24.0 °C

Humidity: 59.5 % RH

Atmospheric Pressure: 1020 mbar

SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch No. 10, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. 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@sgs.com](mailto:CN_Doccheck@sgs.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](http://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](mailto:sgs.china@sgs.com)

## 6.11.2 Test Mode Description

| Pre-scan / Final test | Mode Code | Description  |
|-----------------------|-----------|--|
| Final test            | 09        | Normal operating_Keep the EUT communication with the companion device. |

## 6.11.3 Test Setup Diagram



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. 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) 26012053, or email: [CN\\_Doccheck@sgs.com](mailto:CN_Doccheck@sgs.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](http://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](mailto:sgs.china@sgs.com)



**6.11.4 Measurement Procedure and Data**

- 1) The radar pulse generator is setup to provide a pulse at frequency that the master and client are operating. A type 0 radar pulse with a 1us pulse width and a 1428us PRI is used for the testing.
- 2) The vector signal generator is adjusted to provide the radar burst (18 pulses) at the level of approximately -61dBm at the antenna port of the master device.
- 3) A trigger is provided from the pulse generator to the DFS monitoring system in order to capture the traffic and the occurrence of the radar pulse.
- 4) EUT will associate with the master at channel. The file "iperf.exe" specified by the FCC is streamed from the PC 2 through the master and the client device to the PC 1 and played in full motion video using Media Player Classic Ver. 6.4.8.6 in order to properly load the network for the entire period of the test.
- 5) When radar burst with a level equal to the DFS Detection Threshold +1dB is generated on the operating channel of the U-NII device. At time T0 the radar waveform generator sends a burst of pulse of the radar waveform at Detection Threshold +1dB.
- 6) Observe the transmissions of the EUT at the end of the radar Burst on the Operating Channel. Measure and record the transmissions from the UUT during the observation time (Channel Move Time). One 15 seconds plot is reported for the Short Pulse Radar Type 0. The plot for the Short Pulse Radar Types start at the end of the radar burst. The Channel Move Time will be calculated based on the zoom in 600ms plot of the Short Pulse Radar Type.
- 7) Measurement of the aggregate duration of the Channel Closed Transmission Time method. With the spectrum analyzer set to zero span tuned to the center frequency of the EUT operating channel at the radar simulated frequency, peak detection, and max hold, the dwell time per bin is given by: Dwell (0.3ms) =  $S$  (12000ms) /  $B$  (4000); where Dwell is the dwell time per spectrum analyzer sampling bin,  $S$  is sweep time and  $B$  is the number of spectrum analyzer sampling bins. An upper bound of the aggregate duration of the intermittent control signals of Channel Closing Transmission Time is calculated by:  $C$  (ms) =  $N$  X Dwell (0.3ms); where  $C$  is the Closing Time,  $N$  is the number of spectrum analyzer sampling bins (intermittent control signals) showing a U-NII transmission and Dwell is the dwell time per bin.
- 8) Measurement the EUT for more than 30 minutes following the channel move time to verify that no transmission or beacons occur on this channel.

Please Refer to Appendix for Details



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

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. 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@sgs.com](mailto:CN_Doccheck@sgs.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](http://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](mailto:sgs.china@sgs.com)

## 7 Test Setup Photo

Refer to Appendix - Test Setup Photo for SZCR2411004305AT

## 8 EUT Constructional Details (EUT Photos)

Refer to External and Internal Photos for SZCR2411004305AT



SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch No. 10, Nanshan Science & Technology Park Laboratory

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. 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@sgs.com](mailto:CN_Doccheck@sgs.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](http://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](mailto:sgs.china@sgs.com)

## 9 Appendix

### 1. Duty Cycle

#### 1.1 Test Result

##### 1.1.1 Ant1

| Ant1             |         |                 |           |             |                |                                   |                       |
|------------------|---------|-----------------|-----------|-------------|----------------|-----------------------------------|-----------------------|
| Mode             | TX Type | Frequency (MHz) | T_on (ms) | Period (ms) | Duty Cycle (%) | Duty Cycle Correction Factor (dB) | Max. DC Variation (%) |
| 802.11a          | SISO    | 5260            | 1.430     | 1.535       | 93.16          | 0.31                              | 0.03                  |
|                  |         | 5300            | 1.429     | 1.534       | 93.16          | 0.31                              | 0.00                  |
|                  |         | 5320            | 1.430     | 1.535       | 93.16          | 0.31                              | 0.07                  |
|                  |         | 5500            | 1.430     | 1.535       | 93.16          | 0.31                              | 0.03                  |
|                  |         | 5580            | 1.430     | 1.535       | 93.16          | 0.31                              | 0.03                  |
|                  |         | 5700            | 1.429     | 1.535       | 93.09          | 0.31                              | 0.03                  |
|                  |         | 5720            | 1.430     | 1.535       | 93.16          | 0.31                              | 0.03                  |
| 802.11n (HT20)   | SISO    | 5260            | 1.341     | 1.448       | 92.61          | 0.33                              | 0.03                  |
|                  |         | 5300            | 1.341     | 1.447       | 92.67          | 0.33                              | 0.03                  |
|                  |         | 5320            | 1.341     | 1.447       | 92.67          | 0.33                              | 0.03                  |
|                  |         | 5500            | 1.341     | 1.448       | 92.61          | 0.33                              | 0.04                  |
|                  |         | 5580            | 1.342     | 1.448       | 92.68          | 0.33                              | 0.03                  |
|                  |         | 5700            | 1.341     | 1.448       | 92.61          | 0.33                              | 0.03                  |
|                  |         | 5720            | 1.342     | 1.447       | 92.74          | 0.33                              | 0.03                  |
| 802.11ac (VHT20) | SISO    | 5260            | 1.346     | 1.452       | 92.70          | 0.33                              | 0.03                  |
|                  |         | 5300            | 1.346     | 1.452       | 92.70          | 0.33                              | 0.03                  |
|                  |         | 5320            | 1.346     | 1.453       | 92.64          | 0.33                              | 0.03                  |
|                  |         | 5500            | 1.346     | 1.452       | 92.70          | 0.33                              | 0.03                  |
|                  |         | 5580            | 1.346     | 1.451       | 92.76          | 0.33                              | 0.03                  |
|                  |         | 5700            | 1.346     | 1.452       | 92.70          | 0.33                              | 0.03                  |
|                  |         | 5720            | 1.346     | 1.452       | 92.70          | 0.33                              | 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 <https://www.sgs.com/en/Terms-and-Conditions>. 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@sgs.com](mailto:CN_Doccheck@sgs.com)

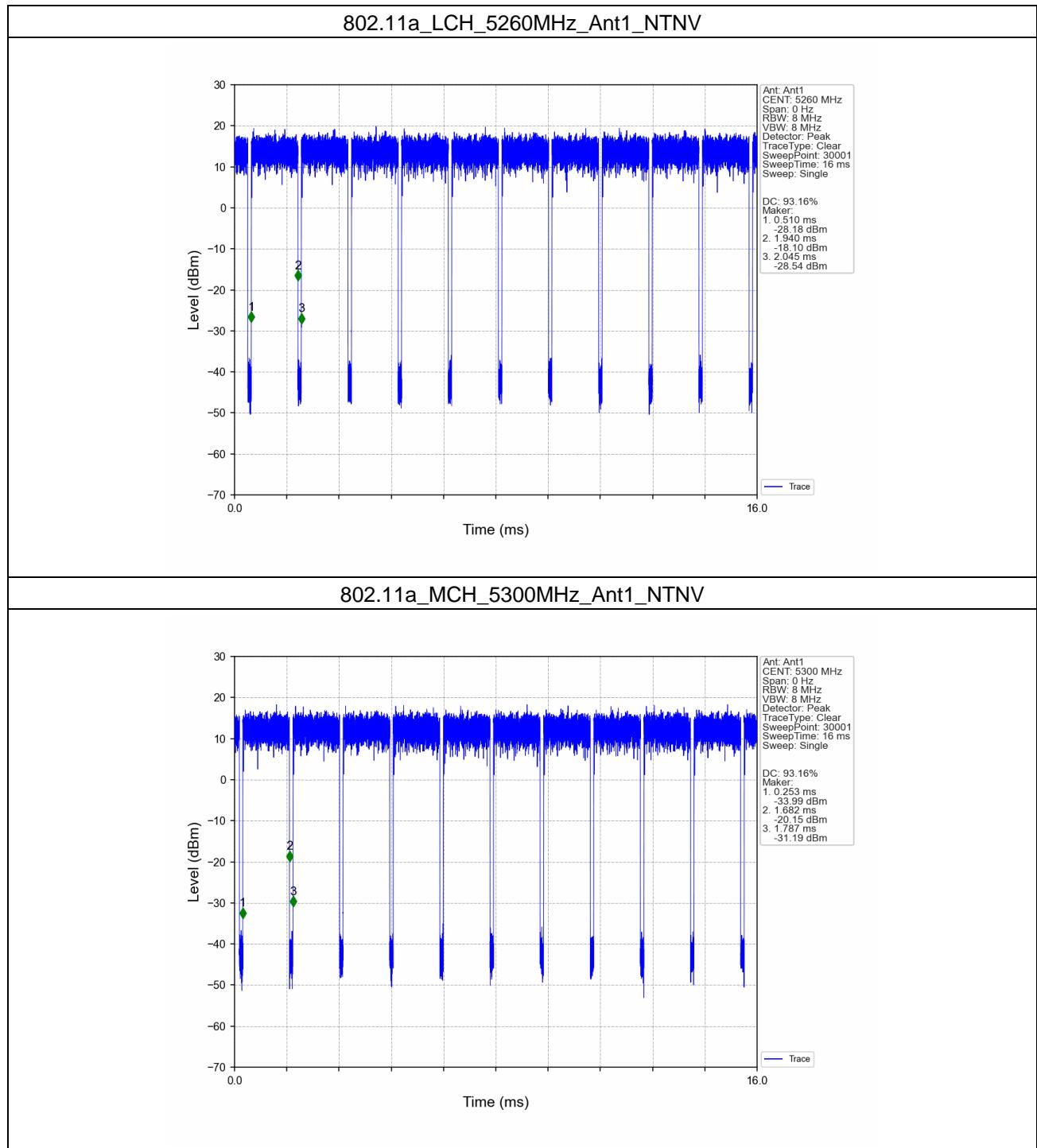
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 f (86-755) 26710594 [www.sgsgroup.com.cn](http://www.sgsgroup.com.cn)



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](mailto:sgs.china@sgs.com)

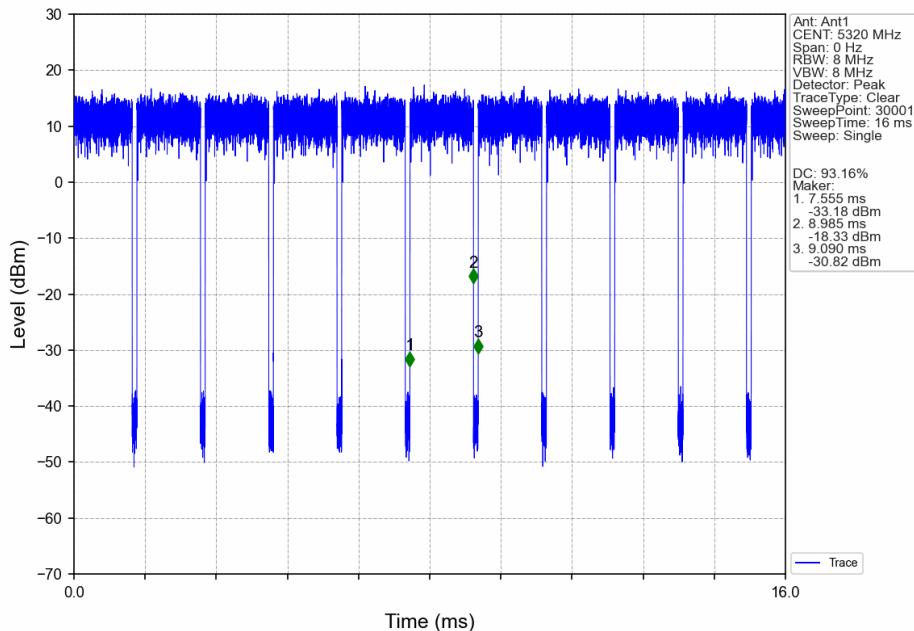
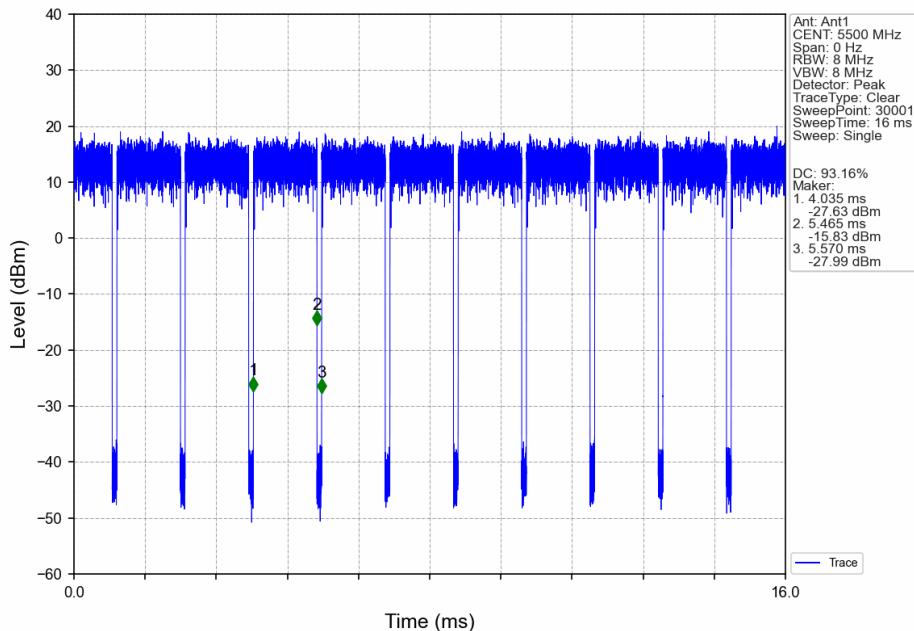
## 1.2 Test Graph

### 1.2.1 Ant1

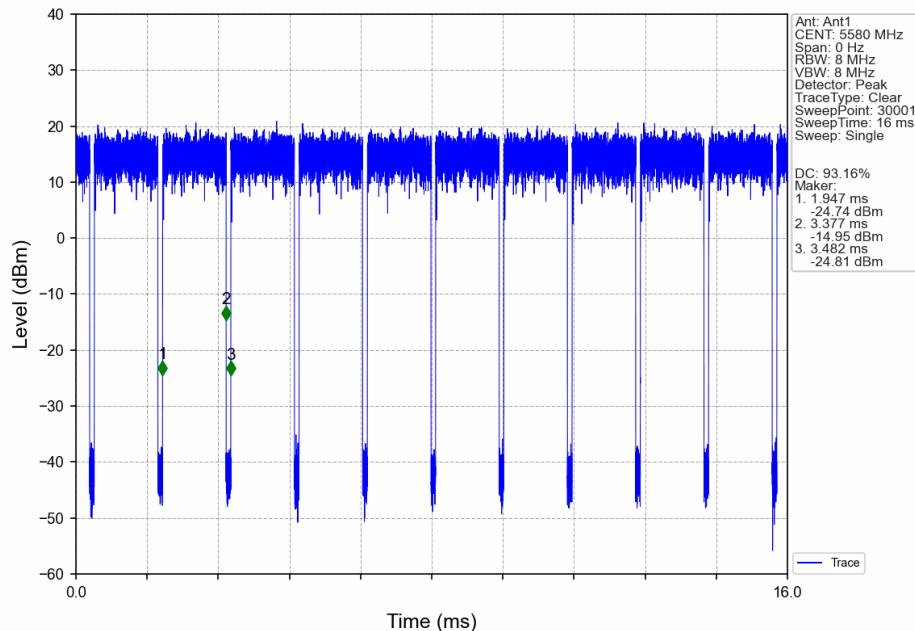


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction 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.

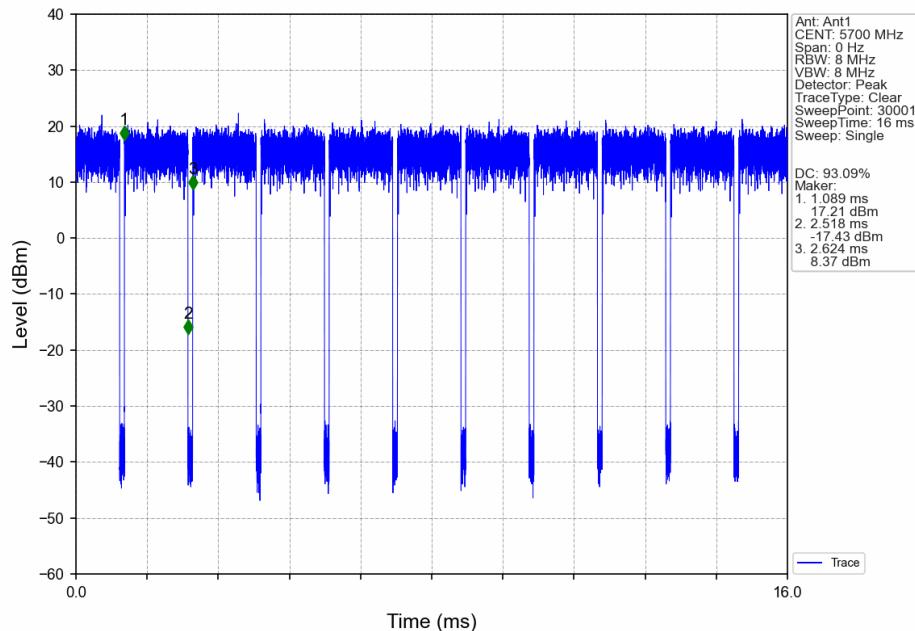
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN\\_Doccheck@sgs.com](mailto:CN_Doccheck@sgs.com)

**802.11a\_HCH\_5320MHz\_Ant1\_NTNV****802.11a\_LCH\_5500MHz\_Ant1\_NTNV**

### 802.11a\_MCH\_5580MHz\_Ant1\_NTNV

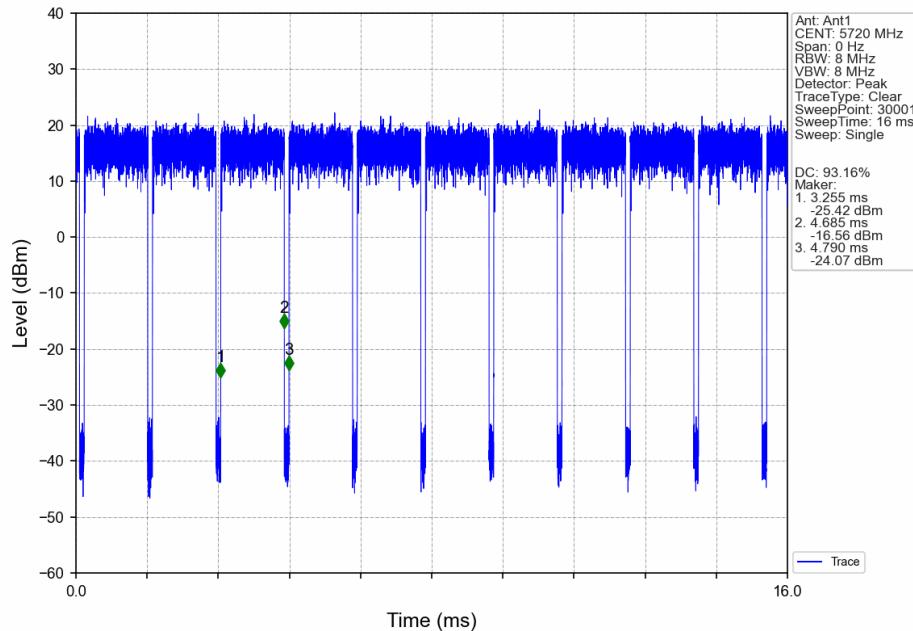
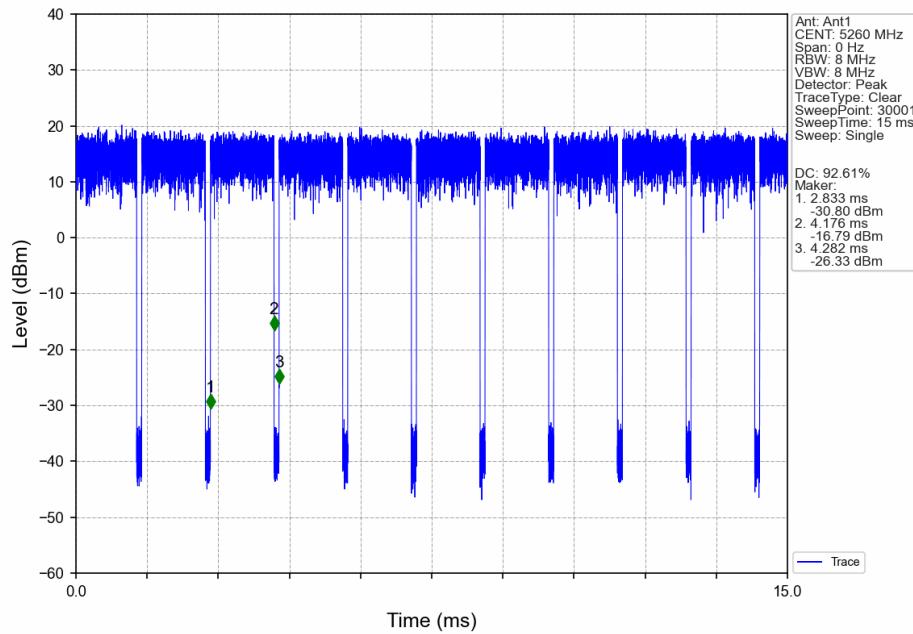


### 802.11a\_HCH\_5700MHz\_Ant1\_NTNV



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

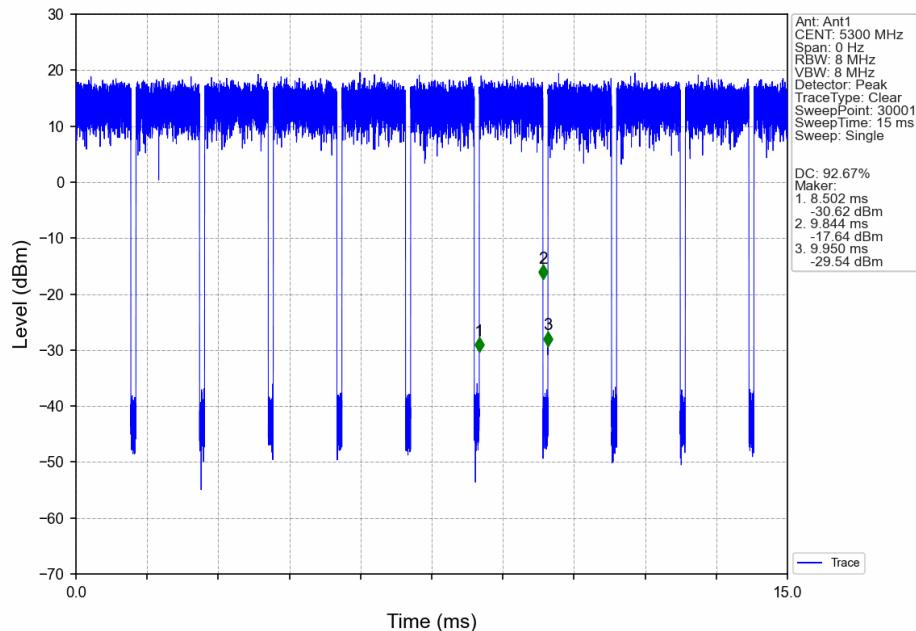
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN\\_Doccheck@sgs.com](mailto:CN_Doccheck@sgs.com)

**802.11a\_HCH\_5720MHz\_Ant1\_NTNV****802.11n(HT20)\_LCH\_5260MHz\_Ant1\_NTNV**

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. 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@sgs.com](mailto:CN_Doccheck@sgs.com)

### 802.11n(HT20)\_MCH\_5300MHz\_Ant1\_NTNV

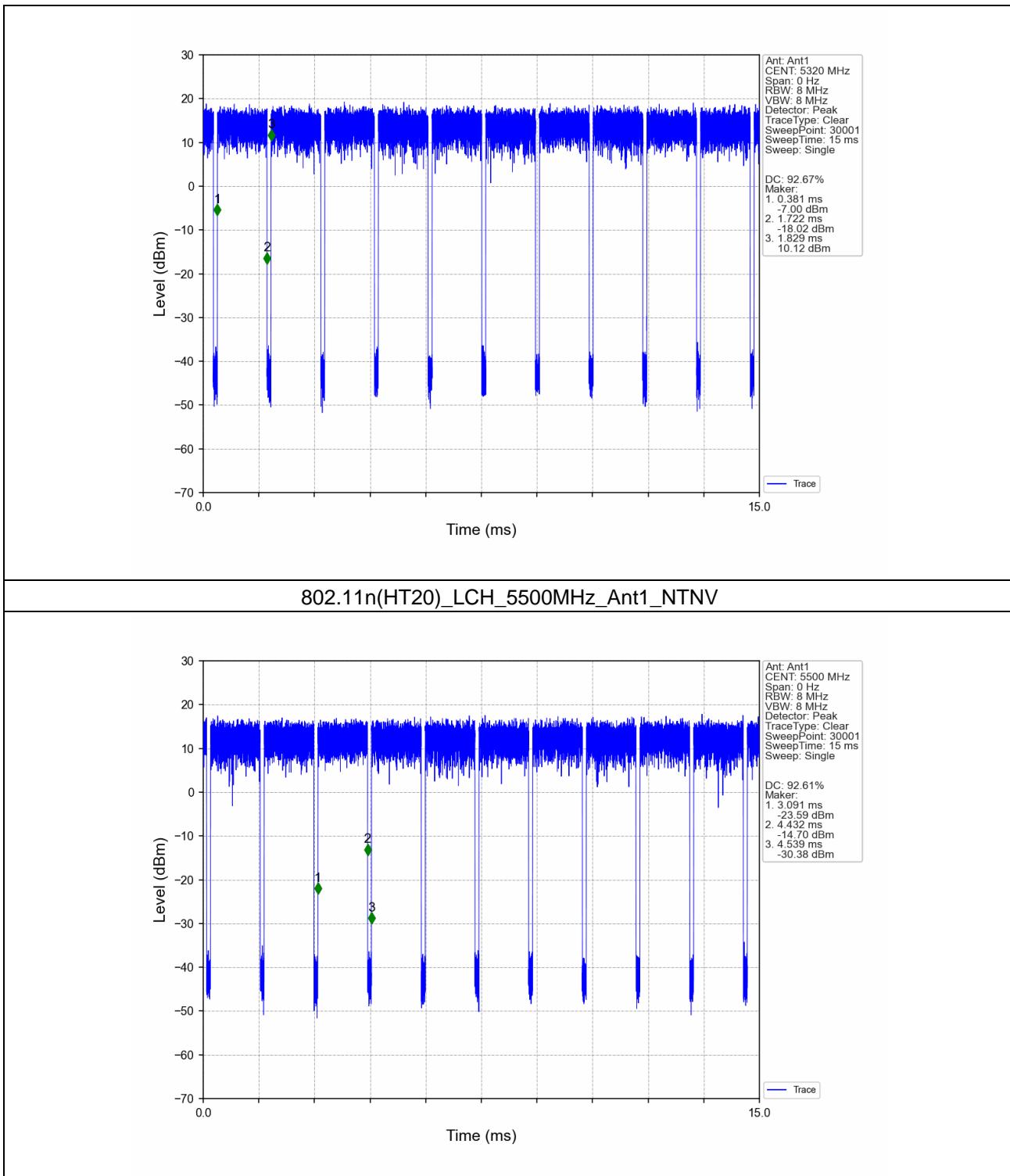


### 802.11n(HT20)\_HCH\_5320MHz\_Ant1\_NTNV

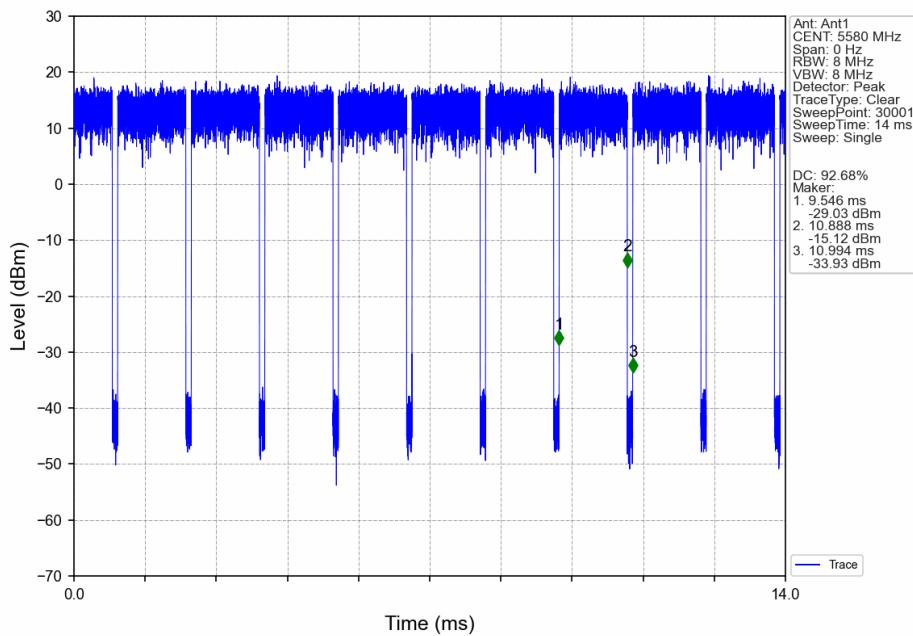


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction 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.

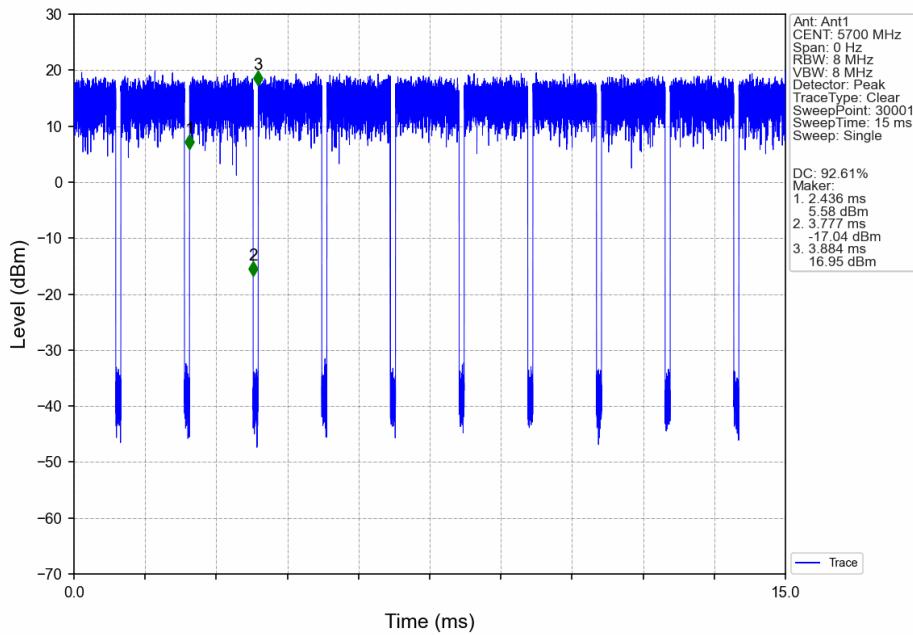
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN\\_Doccheck@sgs.com](mailto:CN_Doccheck@sgs.com)



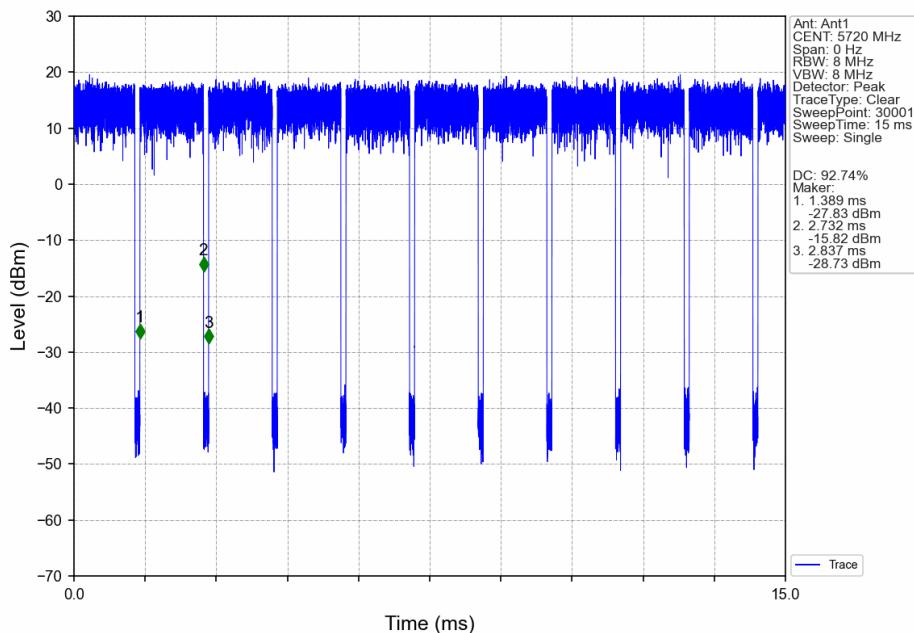
### 802.11n(HT20)\_MCH\_5580MHz\_Ant1\_NTNV



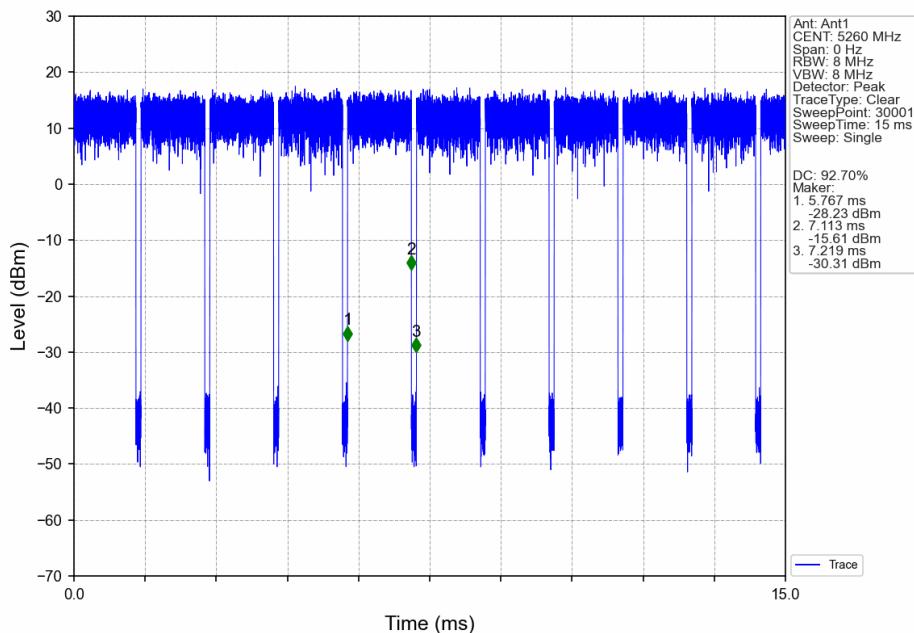
### 802.11n(HT20)\_HCH\_5700MHz\_Ant1\_NTNV



### 802.11n(HT20)\_HCH\_5720MHz\_Ant1\_NTNV



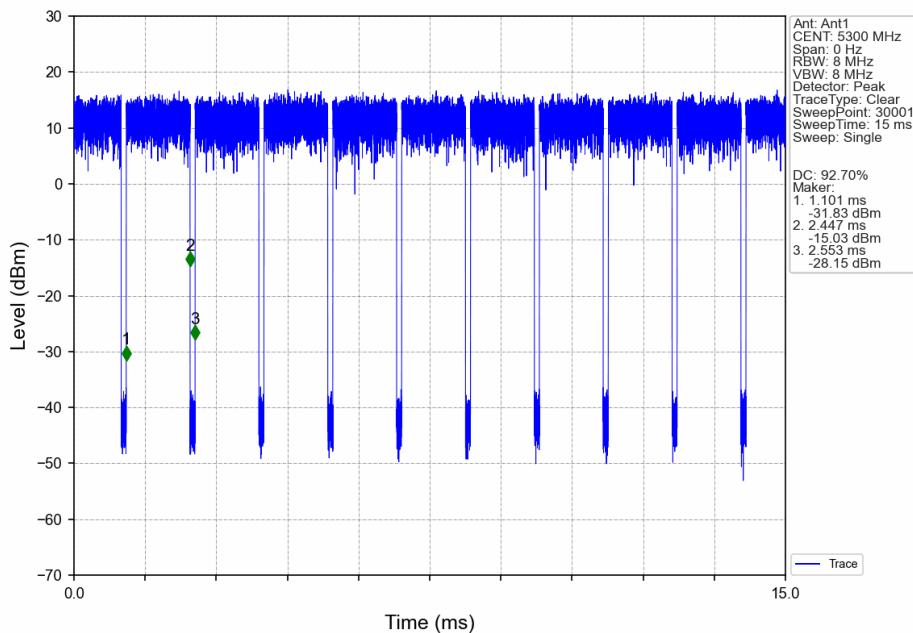
### 802.11ac(VHT20)\_LCH\_5260MHz\_Ant1\_NTNV



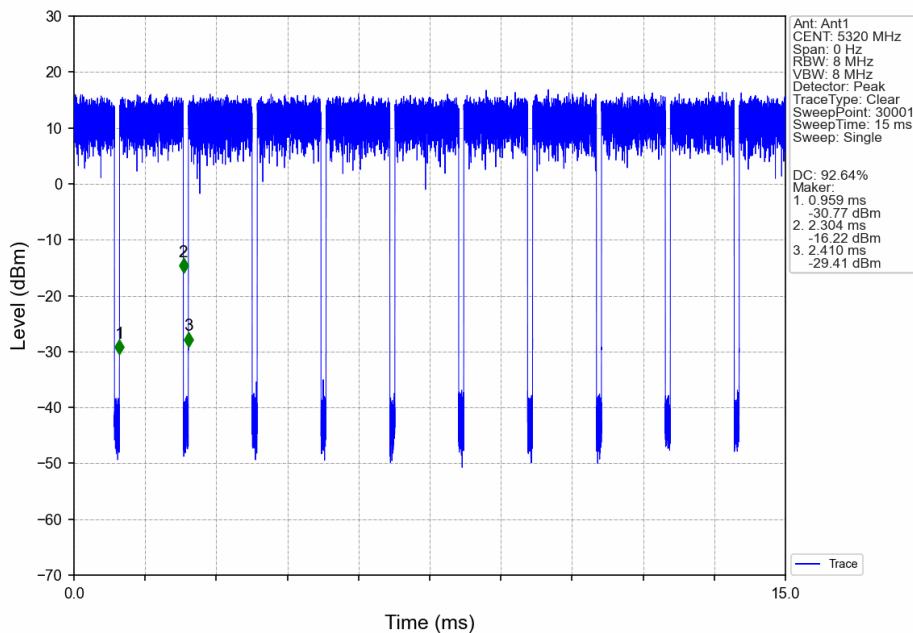
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction 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@sgs.com](mailto:CN_Doccheck@sgs.com)

### 802.11ac(VHT20)\_MCH\_5300MHz\_Ant1\_NTNV



### 802.11ac(VHT20)\_HCH\_5320MHz\_Ant1\_NTNV



SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch is a member of SGS Group LLC Laboratory.

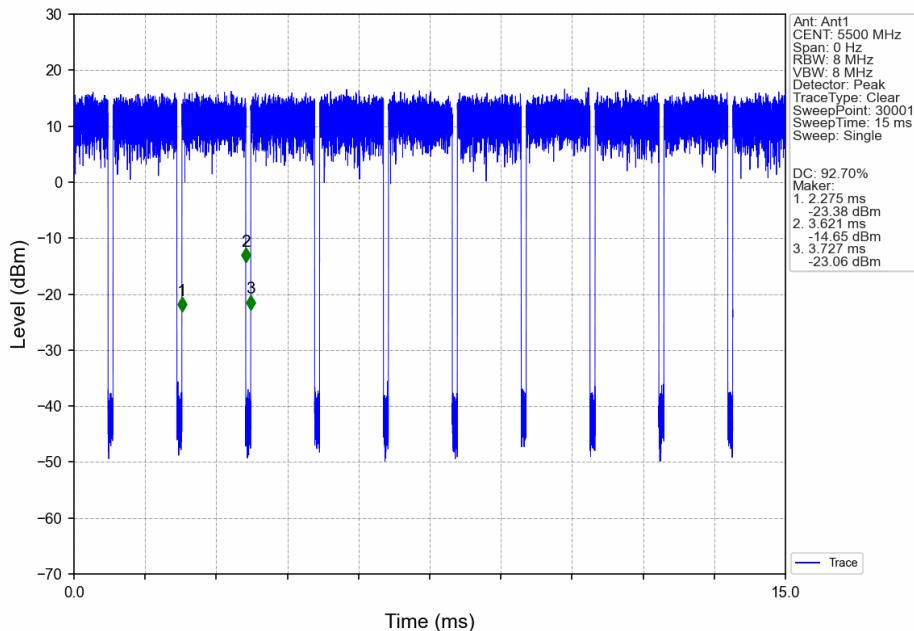
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction 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@sgs.com](mailto:CN_Doccheck@sgs.com)

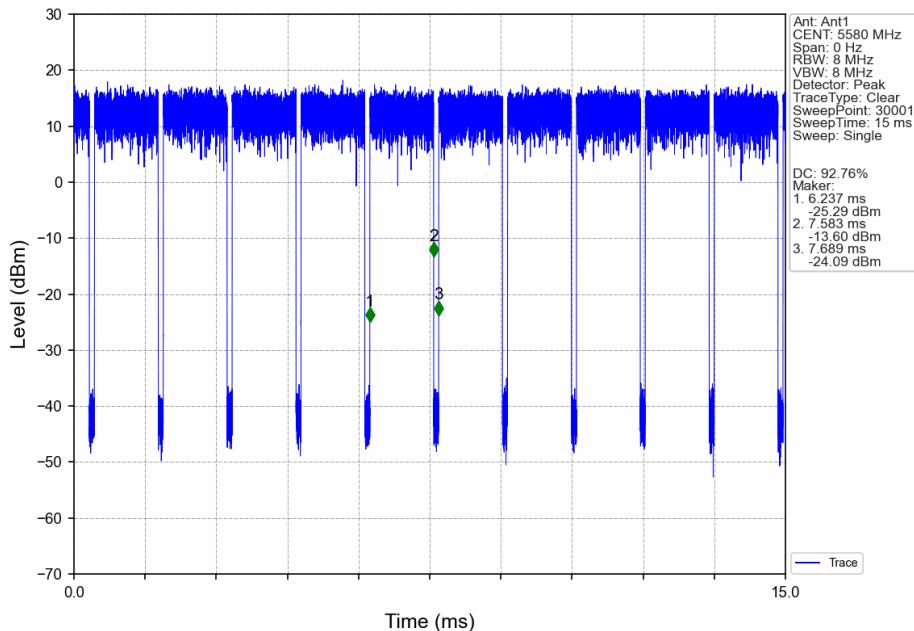
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 f (86-755) 26710594 [www.sgsgroup.com.cn](http://www.sgsgroup.com.cn)

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](mailto:sgs.china@sgs.com)

### 802.11ac(VHT20)\_LCH\_5500MHz\_Ant1\_NTNV



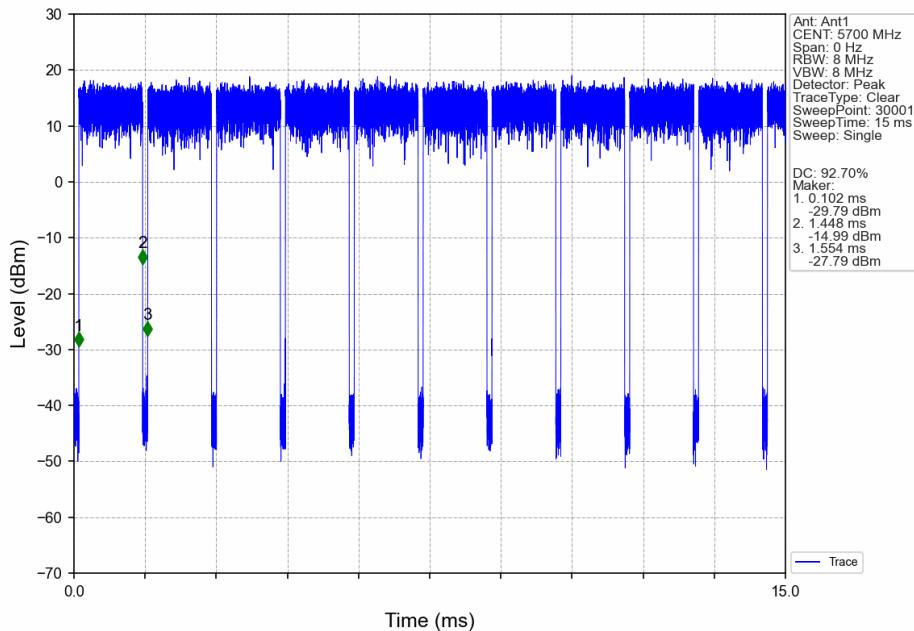
### 802.11ac(VHT20)\_MCH\_5580MHz\_Ant1\_NTNV



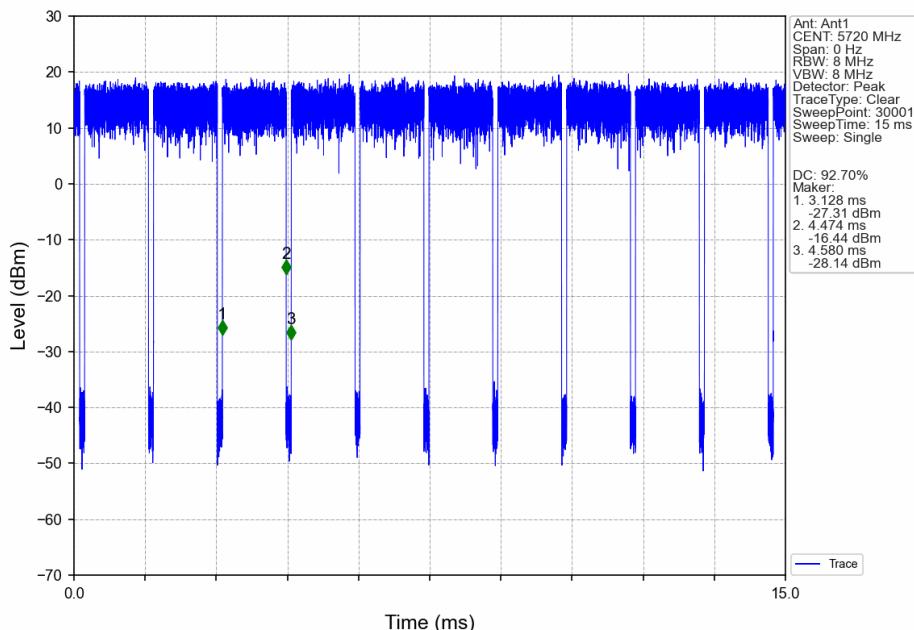
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction 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@sgs.com](mailto:CN_Doccheck@sgs.com)

### 802.11ac(VHT20)\_HCH\_5700MHz\_Ant1\_NTNV



### 802.11ac(VHT20)\_HCH\_5720MHz\_Ant1\_NTNV



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. 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@sgs.com](mailto:CN_Doccheck@sgs.com)



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

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

## 2. Bandwidth

### 2.1 Test Result

#### 2.1.1 OBW

| Mode             | TX Type | Frequency (MHz) | ANT | 99% Occupied Bandwidth (MHz) |       | Verdict |
|------------------|---------|-----------------|-----|------------------------------|-------|---------|
|                  |         |                 |     | Result                       | Limit |         |
| 802.11a          | SISO    | 5260            | 1   | 18.006                       | /     | Pass    |
|                  |         | 5300            | 1   | 19.666                       | /     | Pass    |
|                  |         | 5320            | 1   | 19.091                       | /     | Pass    |
|                  |         | 5500            | 1   | 19.176                       | /     | Pass    |
|                  |         | 5580            | 1   | 22.726                       | /     | Pass    |
|                  |         | 5700            | 1   | 19.648                       | /     | Pass    |
|                  |         | 5720            | 1   | 18.276                       | /     | Pass    |
| 802.11n (HT20)   | SISO    | 5260            | 1   | 18.971                       | /     | Pass    |
|                  |         | 5300            | 1   | 18.948                       | /     | Pass    |
|                  |         | 5320            | 1   | 18.897                       | /     | Pass    |
|                  |         | 5500            | 1   | 18.899                       | /     | Pass    |
|                  |         | 5580            | 1   | 19.017                       | /     | Pass    |
|                  |         | 5700            | 1   | 19.019                       | /     | Pass    |
|                  |         | 5720            | 1   | 18.898                       | /     | Pass    |
| 802.11ac (VHT20) | SISO    | 5260            | 1   | 18.823                       | /     | Pass    |
|                  |         | 5300            | 1   | 18.857                       | /     | Pass    |
|                  |         | 5320            | 1   | 18.875                       | /     | Pass    |
|                  |         | 5500            | 1   | 18.805                       | /     | Pass    |
|                  |         | 5580            | 1   | 18.848                       | /     | Pass    |
|                  |         | 5700            | 1   | 18.838                       | /     | Pass    |
|                  |         | 5720            | 1   | 18.938                       | /     | 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 <https://www.sgs.com/en/Terms-and-Conditions>. 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@sgs.com](mailto:CN_Doccheck@sgs.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](http://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](mailto:sgs.china@sgs.com)



## 2.1.2 26dB BW

| Mode             | TX Type | Frequency (MHz) | ANT | 26dB Bandwidth (MHz) |       | Verdict |
|------------------|---------|-----------------|-----|----------------------|-------|---------|
|                  |         |                 |     | Result               | Limit |         |
| 802.11a          | SISO    | 5260            | 1   | 21.207               | /     | Pass    |
|                  |         | 5300            | 1   | 34.573               | /     | Pass    |
|                  |         | 5320            | 1   | 30.705               | /     | Pass    |
|                  |         | 5500            | 1   | 30.012               | /     | Pass    |
|                  |         | 5580            | 1   | 40.940               | /     | Pass    |
|                  |         | 5700            | 1   | 31.928               | /     | Pass    |
|                  |         | 5720            | 1   | 24.957               | /     | Pass    |
| 802.11n (HT20)   | SISO    | 5260            | 1   | 21.621               | /     | Pass    |
|                  |         | 5300            | 1   | 21.692               | /     | Pass    |
|                  |         | 5320            | 1   | 21.547               | /     | Pass    |
|                  |         | 5500            | 1   | 21.644               | /     | Pass    |
|                  |         | 5580            | 1   | 21.574               | /     | Pass    |
|                  |         | 5700            | 1   | 21.806               | /     | Pass    |
|                  |         | 5720            | 1   | 21.554               | /     | Pass    |
| 802.11ac (VHT20) | SISO    | 5260            | 1   | 21.513               | /     | Pass    |
|                  |         | 5300            | 1   | 21.453               | /     | Pass    |
|                  |         | 5320            | 1   | 21.661               | /     | Pass    |
|                  |         | 5500            | 1   | 21.537               | /     | Pass    |
|                  |         | 5580            | 1   | 21.586               | /     | Pass    |
|                  |         | 5700            | 1   | 21.651               | /     | Pass    |
|                  |         | 5720            | 1   | 21.638               | /     | Pass    |

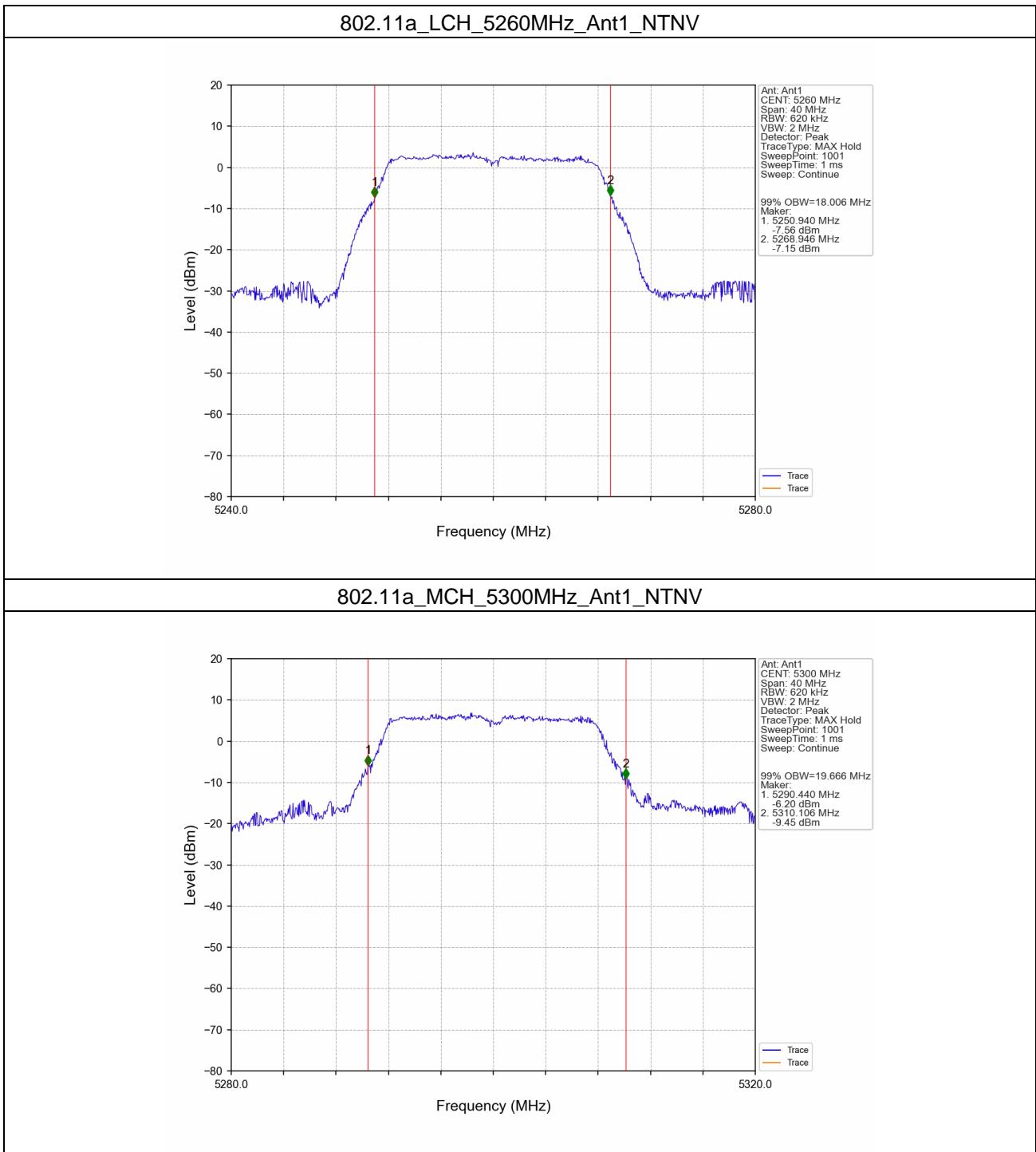
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction 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@sgs.com](mailto:CN_Doccheck@sgs.com)



## 2.2 Test Graph

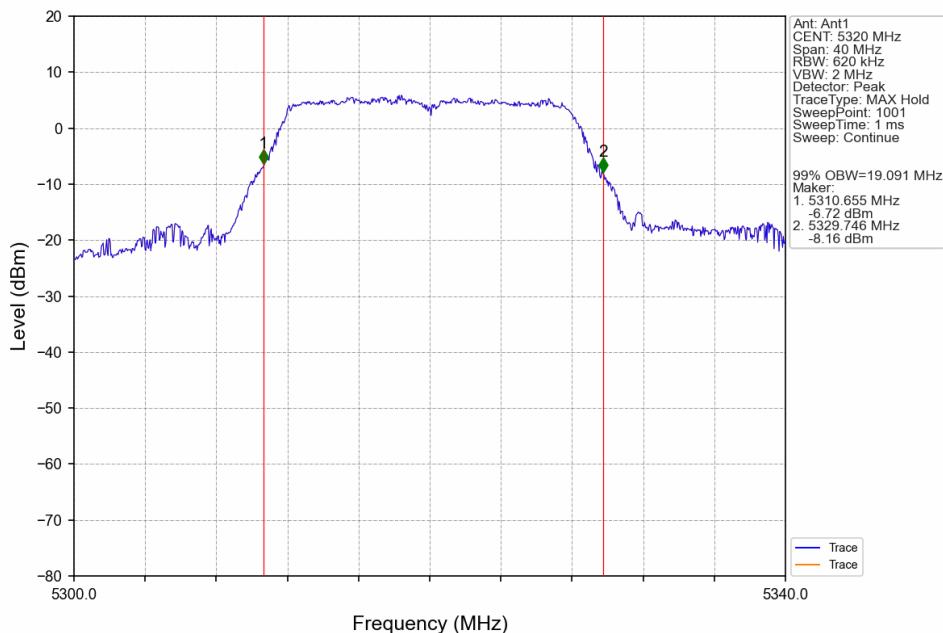
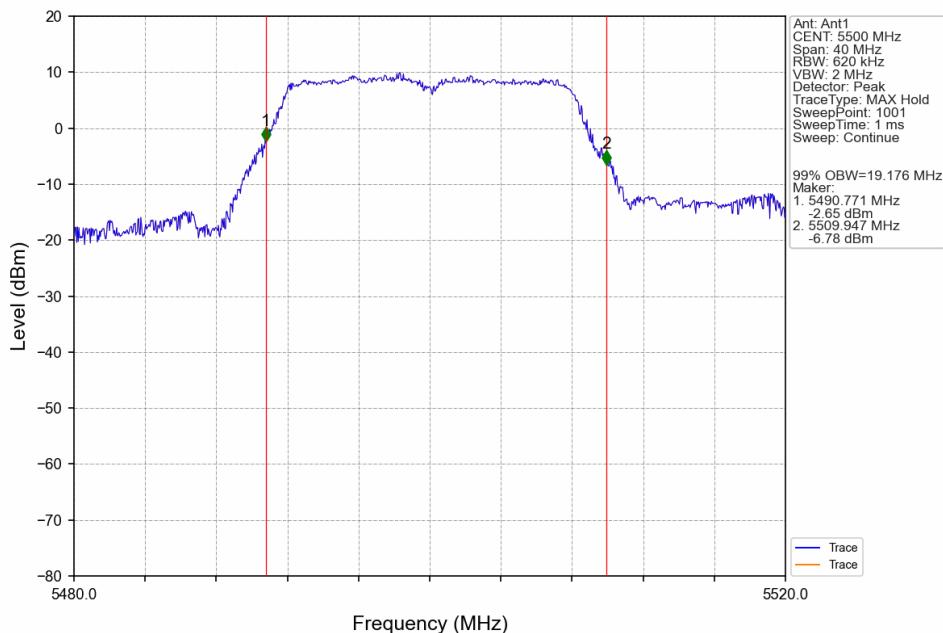
### 2.2.1 OBW



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. 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@sgs.com](mailto:CN_Doccheck@sgs.com)



**802.11a\_HCH\_5320MHz\_Ant1\_NTNV****802.11a\_LCH\_5500MHz\_Ant1\_NTNV**

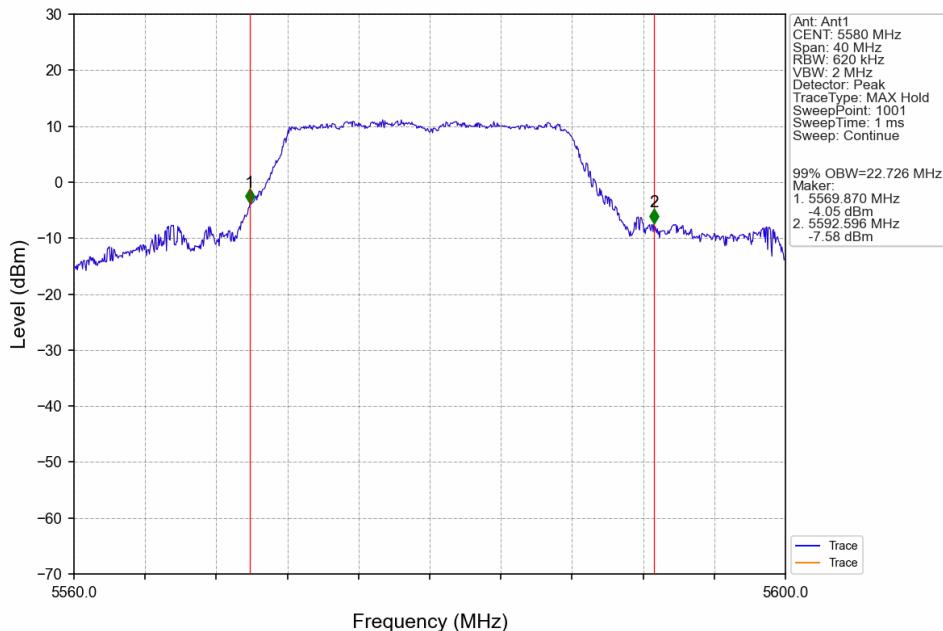
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction 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@sgs.com](mailto:CN_Doccheck@sgs.com)

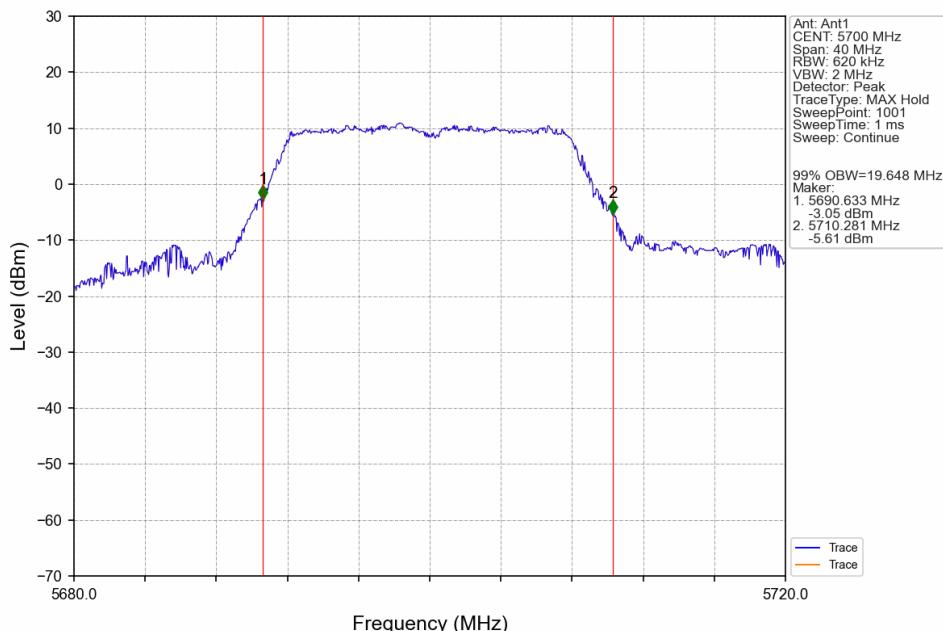


SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch Inspection & Testing Services Laboratory

### 802.11a\_MCH\_5580MHz\_Ant1\_NTNV



### 802.11a\_HCH\_5700MHz\_Ant1\_NTNV

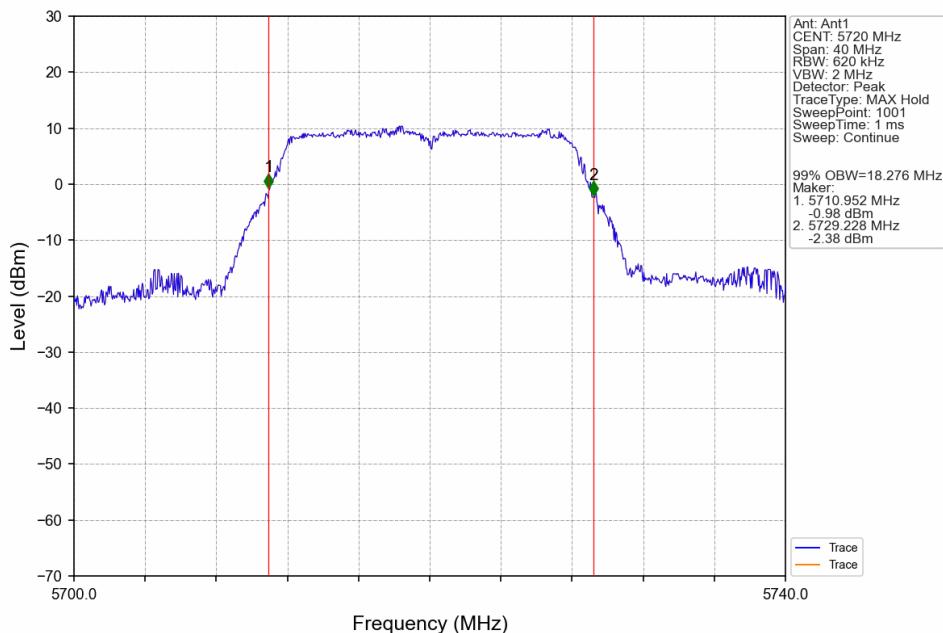
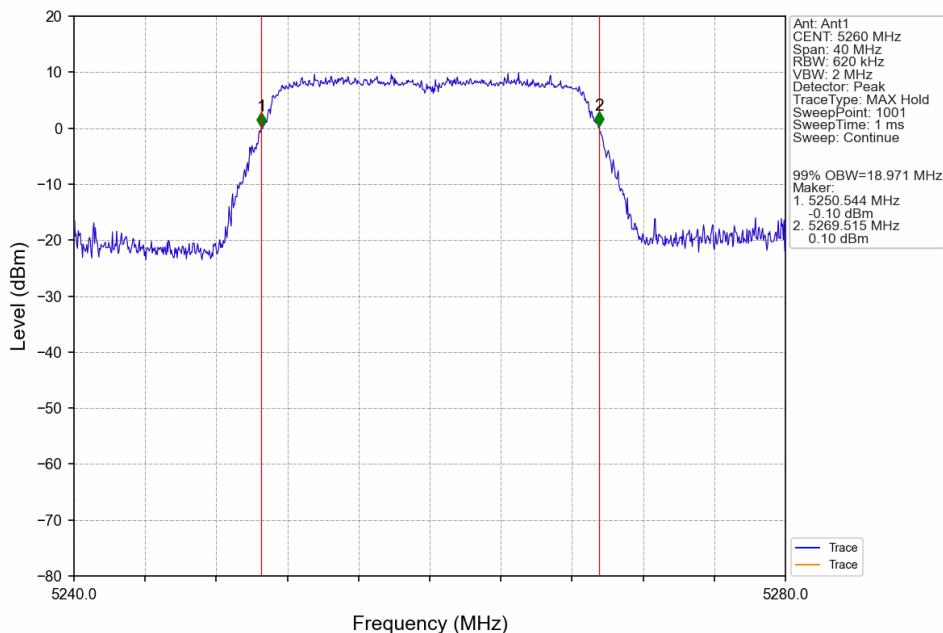


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction 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@sgs.com](mailto:CN_Doccheck@sgs.com)



SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch Inspection & Testing Services Laboratory

**802.11a\_HCH\_5720MHz\_Ant1\_NTNV****802.11n(HT20)\_LCH\_5260MHz\_Ant1\_NTNV**

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

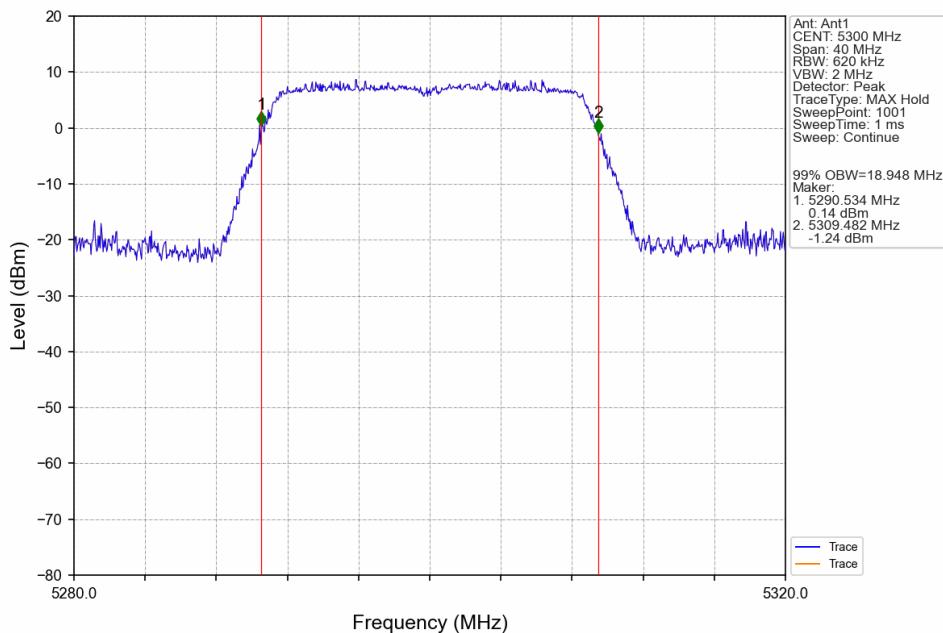
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN\\_Doccheck@sgs.com](mailto:CN_Doccheck@sgs.com)



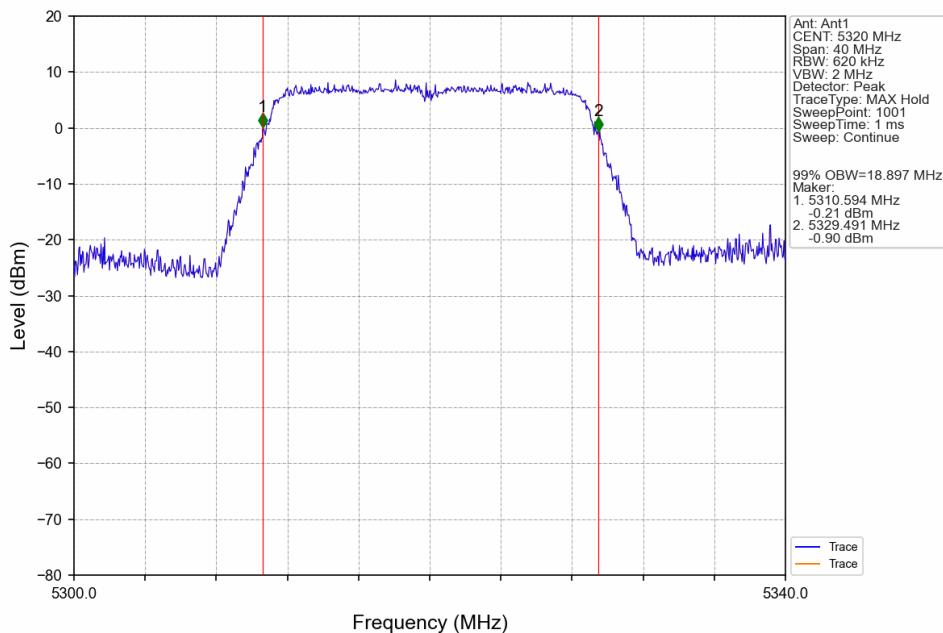
SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch is a SGS Laboratory.

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

### 802.11n(HT20)\_MCH\_5300MHz\_Ant1\_NTNV



### 802.11n(HT20)\_HCH\_5320MHz\_Ant1\_NTNV



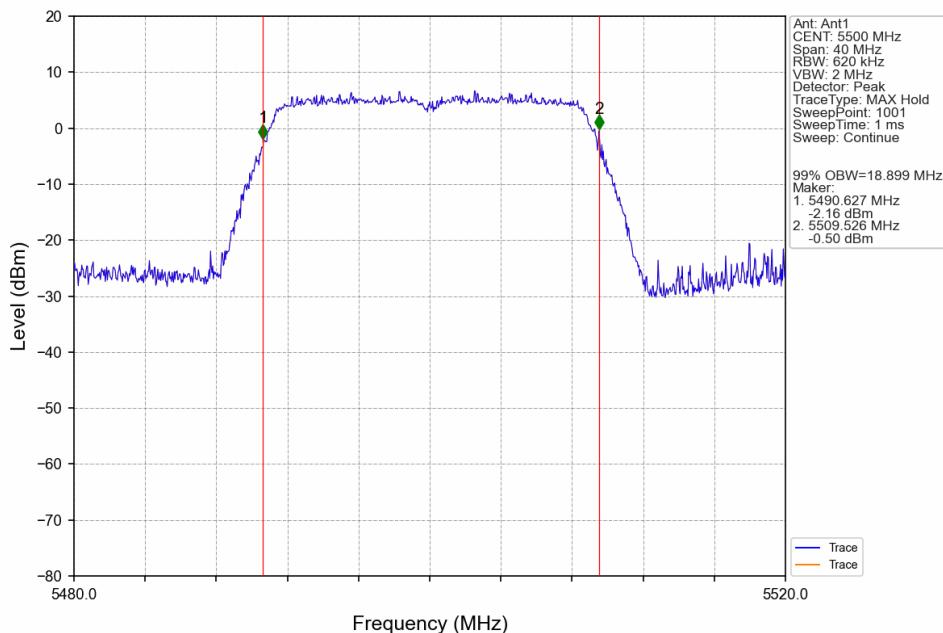
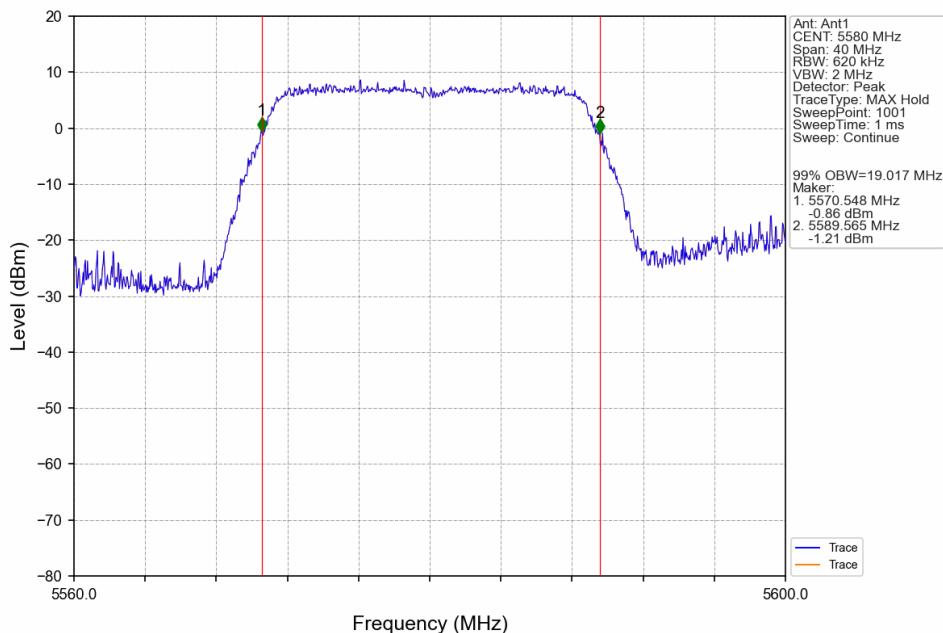
SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch is a member of SGS Group Laboratory.

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. 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@sgs.com](mailto:CN_Doccheck@sgs.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](http://www.sgsgroup.com.cn)

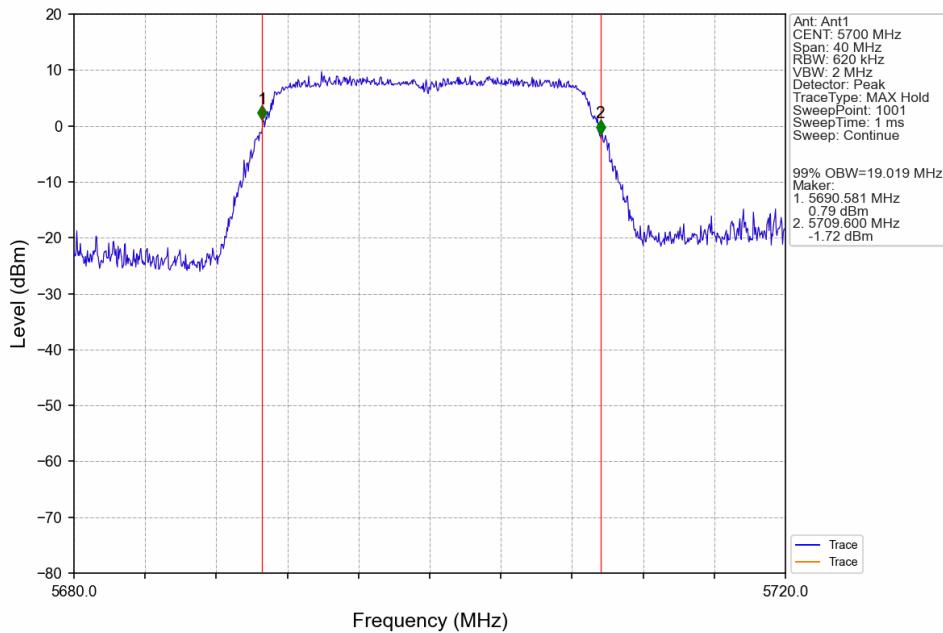
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编:518057 t (86-755) 26012053 f (86-755) 26710594 [sgs.china@sgs.com](mailto:sgs.china@sgs.com)

**802.11n(HT20)\_LCH\_5500MHz\_Ant1\_NTNV****802.11n(HT20)\_MCH\_5580MHz\_Ant1\_NTNV**

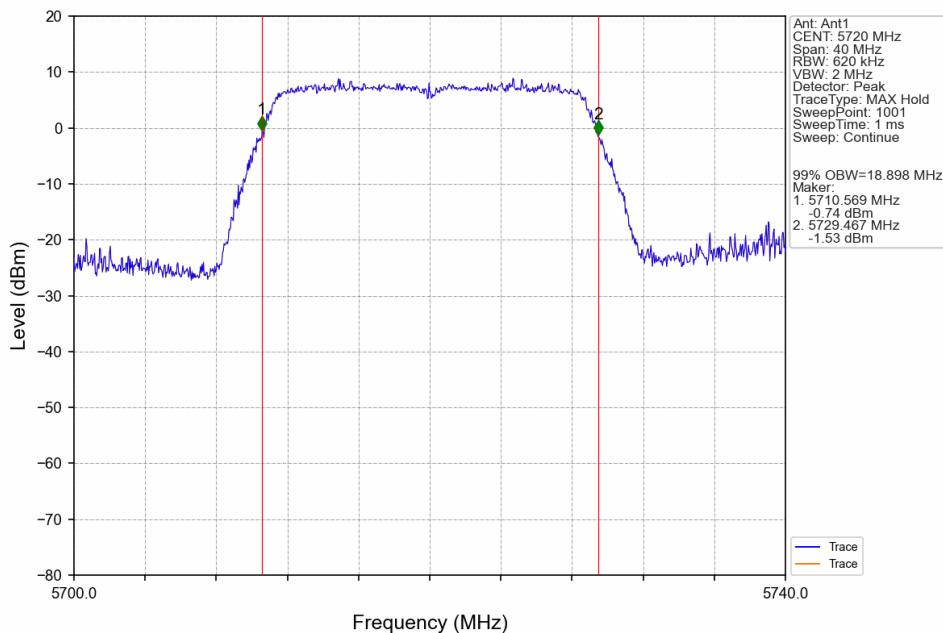
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction 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@sgs.com](mailto:CN_Doccheck@sgs.com)

## 802.11n(HT20)\_HCH\_5700MHz\_Ant1\_NTNV



## 802.11n(HT20)\_HCH\_5720MHz\_Ant1\_NTNV



SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch is a member of SGS Group Laboratory.

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. 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@sgs.com](mailto:CN_Doccheck@sgs.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](http://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](mailto:sgs.china@sgs.com)