

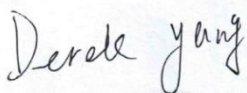
# FCC TEST REPORT

**Application No.:** AR/2020/C0008  
**Applicant:** FIH CO., LTD  
**Address of Applicant:** No.4, Mingsheng St., Tu-Cheng Dist., New Taipei City 23679, Taiwan  
**Manufacturer:** FIH CO., LTD  
**Address of Manufacturer:** No.4, Mingsheng St., Tu-Cheng Dist., New Taipei City 23679, Taiwan  
**EUT Description:** WCDMA/LTE Mobile Phone  
**Model No.:** EA1002, EC1002  
**Trade Mark:** FIH  
**FCC ID:** RYQEC1002  
**Standards:** 47 CFR FCC Part 2, Subpart J  
 47 CFR FCC Part 15, Subpart E  
**Test Method:** KDB 789033 D02 General UNII Test Procedures New Rules v02  
 FCC KDB 558074 D01 DTS Meas Guidance v0502  
 KDB 662911 D01 Multiple Transmitter Output v02r01  
 KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02  
 KDB 905462 D03 Client Without DFS New Rules v01r02  
 ANSI C63.10-2013, American National Standard for Testing Unlicensed Wireless Devices  
**Date of Receipt:** 2020/12/18  
**Date of Test:** 2020/12/18 to 2021/1/8  
**Date of Issue:** 2021/4/29

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

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

Authorized Signature:



Derek Yang  
Wireless Laboratory Manager

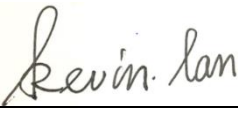


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

## 1 Version

| Revision Record |         |            |           |                                                                                                            |
|-----------------|---------|------------|-----------|------------------------------------------------------------------------------------------------------------|
| Version         | Chapter | Date       | Modifier  | Remark                                                                                                     |
| 01              |         | 2021-03-08 |           | Original                                                                                                   |
| 02              |         | 2021/4/29  | Kevin.Lan | 1.Add test site Information<br>2.Modify data conversion error of antenna height<br>3.Update equipment list |
|                 |         |            |           |                                                                                                            |

This report supersedes our previous report AR/2020/C000805, issued on 2021-03-08, which is hereby deemed null and void.

|                          |                                                                                      |                        |
|--------------------------|--------------------------------------------------------------------------------------|------------------------|
| Authorized for issue by: |                                                                                      |                        |
| Prepared By              |  | (Kevin.Lan) /Engineer  |
| Checked By               |  | (David Chen) /Reviewer |



## 2 Test Summary

| Test Item                                                           | Band      | FCC rules                                              | Test Requirements                                                                                                                                                              | Test Result | Result | Test Lab* |
|---------------------------------------------------------------------|-----------|--------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------|-----------|
| 26dB Emission Bandwidth                                             | 5150-5250 | 15.403(i)<br>15.407(a)(1)                              | No limit.                                                                                                                                                                      | Clause 4.5  | PASS   | A         |
|                                                                     | 5250-5350 | 15.403(i)<br>15.407(a)(2)                              |                                                                                                                                                                                |             |        |           |
|                                                                     | 5470-5725 | 15.403(i)<br>15.407(a)(2)                              |                                                                                                                                                                                |             |        |           |
| 6dB Emission Bandwidth                                              | 5725-5850 | 15.403(i)<br>15.407(e)                                 | ≥ 500 kHz.                                                                                                                                                                     | Clause 4.6  | PASS   | A         |
| 99% Occupied Bandwidth                                              | 5150-5250 | KDB 789033<br>D02§ D                                   | No limit.                                                                                                                                                                      | Clause 4.7  | PASS   | A         |
|                                                                     | 5250-5350 |                                                        |                                                                                                                                                                                |             |        |           |
|                                                                     | 5470-5725 |                                                        |                                                                                                                                                                                |             |        |           |
|                                                                     | 5725-5850 |                                                        |                                                                                                                                                                                |             |        |           |
| Duty Cycle                                                          | 5150-5850 | --                                                     | No limit.                                                                                                                                                                      | Clause 4.3  | PASS   | A         |
| Maximum Conducted Output Power                                      | 5150-5250 | 15.407(a)(1)<br>15.407(a)(4)                           | FCC < 250mW<br>(avg during transmission)                                                                                                                                       | Clause 4.4  | PASS   | A         |
|                                                                     | 5250-5350 | 15.407(a)(2)<br>15.407(a)(4)                           | <MIN{250mW,11dBm+10*Ig(E BW)} (avg during transmission)                                                                                                                        |             |        |           |
|                                                                     | 5470-5725 | 15.407(a)(2)<br>15.407(a)(4)                           | <MIN{250mW,11dBm+10*Ig(E BW)} (avg during transmission)                                                                                                                        |             |        |           |
|                                                                     | 5725-5850 | 15.407(a)(3)                                           | < 1W<br>(avg during transmission)                                                                                                                                              |             |        |           |
| Maximum Power Spectral Density                                      | 5150-5250 | 15.407(a)(1)<br>15.407(a)(4)                           | <11dBm/MHz<br>(avg during transmission)                                                                                                                                        | Clause 4.8  | PASS   | A         |
|                                                                     | 5250-5350 | 15.407(a)(2)<br>15.407(a)(4)                           | <11dBm/MHz<br>(avg during transmission)                                                                                                                                        |             |        |           |
|                                                                     | 5470-5725 | 15.407(a)(2)<br>15.407(a)(4)                           | <11dBm/MHz<br>(avg during transmission)                                                                                                                                        |             |        |           |
|                                                                     | 5725-5850 | 15.407(a)(3)<br>15.407(a)(4)                           | <30dBm/500KHz<br>(avg during transmission)                                                                                                                                     |             |        |           |
| Unwanted Emissions that fall Out of the Restricted Bands (Radiated) | 5150-5250 | 15.407(b)(1)<br>15.407(b)(6)<br>15.407(b)(7)<br>15.209 | F<1GHz:<br>§15.209/§7.2.5 limit (QP).<br>F≥1GHz & out-restricted:<br><-27dBm/MHz PK e.i.r.p. (exl. 5.15-5.35 GHz).<br>F≥1GHz & in-restricted:<br>§15.209/§7.2.5 limit (AV&PK). | Clause 4.9  | PASS   | B         |
|                                                                     | 5250-5350 | 15.407(b)(2)<br>15.407(b)(6)<br>15.407(b)(7)<br>15.209 | F<1GHz:<br>§15.209/§7.2.5 limit (QP).<br>F≥1GHz & out-restricted:<br><-27dBm/MHz PK e.i.r.p. (exl. 5.25-5.35 GHz).<br>F≥1GHz & in-restricted:                                  |             | PASS   |           |



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

|                                                       |                                                  |                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |             |      |   |
|-------------------------------------------------------|--------------------------------------------------|--------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|------|---|
|                                                       | 5470-5750                                        | 15.407(b)(3)<br>15.407(b)(6)<br>15.407(b)(7)<br>15.209 | §15.209/§7.2.5 limit (AV&PK).<br>F<1GHz:<br>§15.209/§7.2.5 limit (QP).<br>F≥1GHz & out-restricted:<br><-27dBm/MHz PK e.i.r.p. (exl.<br>5.47-5.725 GHz).<br>F≥1GHz & in-restricted:<br>§15.209/§7.2.5 limit (AV&PK).                                                                                                                                                                                                                                                                                                                                                                                                                                                           |             | PASS |   |
|                                                       | 5725-5850                                        | 15.407(b)(4)<br>15.407(b)(6)<br>15.407(b)(7)<br>15.209 | F<1GHz:<br>§15.209/§7.2.5 limit (QP)<br>F≥1GHz & out-restricted:(QP)<br>a) 27 dBm/MHz at frequencies<br>from the band edges<br>decreasing linearly to 15.6<br>dBm/MHz at 5 MHz above or<br>below the band edges;<br>b) 15.6 dBm/MHz at 5 MHz<br>above or below the band<br>edges decreasing linearly to<br>10 dBm/MHz at 25 MHz above<br>or below the band edges;<br>c) 10 dBm/MHz at 25 MHz<br>above or below the band<br>edges decreasing linearly to -<br>27 dBm/MHz at 75 MHz above<br>or below the band edges; and<br>d) -27 dBm/MHz at<br>frequencies more than 75 MHz<br>above or below the band<br>edges.<br>F≥1GHz & in-restricted:<br>§15.209/§7.2.5 limit (AV&PK). |             | PASS |   |
| Unwanted Emissions in the Restricted Bands (Radiated) | 5150-5250<br>5250-5350<br>5470-5725<br>5725-5850 | 15.209                                                 | ---                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Clause 4.10 | PASS | B |
| AC Power Line Conducted Emissions                     | 5150-5250<br>5250-5350<br>5470-5725<br>5725-5850 | 15.207                                                 | ---                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Clause 4.2  | PASS | B |
| Frequency Stability                                   | 5150-5250<br>5250-5350<br>5470-                  | 15.209                                                 | ---                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Clause 4.11 | PASS | 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 <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) 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)

|                                   |                                |                                        |                                 |             |      |   |
|-----------------------------------|--------------------------------|----------------------------------------|---------------------------------|-------------|------|---|
|                                   | 5725<br>5725-<br>5850          |                                        |                                 |             |      |   |
| Dynamic<br>Frequency<br>Selection | 5250-<br>5350<br>5470-<br>5725 | 47 CFR Part<br>15, Subpart<br>E 15.407 | Channel Move Time:10<br>Seconds | Clause 4.12 | PASS | B |

**Remark:**

According to the declaration letter from manufacturer, for EC1002 is all test, and for EA1002 shares the same test data of EC1002 in this report.

All test were performed by Lab A and B.

Parts of test items above were subcontracted to Lab B.

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

Lab B SGS-CSTC STANDARDS TECHNICAL SERVICES (XI 'AN) CO., LTD.



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

### Contents

|        |                                                            |     |
|--------|------------------------------------------------------------|-----|
| 1      | Version .....                                              | 2   |
| 2      | Test Summary.....                                          | 3   |
| 3      | General Information .....                                  | 8   |
| 3.1    | Details of Client.....                                     | 8   |
| 3.2    | Test Location.....                                         | 8   |
| 3.3    | Test Facility .....                                        | 9   |
| 3.4    | General Description of EUT .....                           | 10  |
| 3.5    | Test Environment and Mode .....                            | 12  |
| 4      | Test results and Measurement Data .....                    | 13  |
| 4.1    | Antenna Requirement.....                                   | 13  |
| 4.2    | AC Power Line Conducted Emissions .....                    | 13  |
| 4.3    | Duty Cycle .....                                           | 17  |
| 4.4    | Conducted Output Power .....                               | 18  |
| 4.5    | 26dB Emission Bandwidth .....                              | 19  |
| 4.6    | 6dB Emission Bandwidth .....                               | 20  |
| 4.7    | 99% Occupied Bandwidth .....                               | 21  |
| 4.8    | Power Spectral Density .....                               | 22  |
| 4.9    | Radiated Spurious Emissions .....                          | 23  |
| 4.9.1  | Radiated emission below 1GHz .....                         | 25  |
| 4.9.2  | Transmitter emission above 1GHz .....                      | 27  |
| 4.10   | Restricted bands around fundamental frequency .....        | 111 |
| 4.10.1 | Test Plots.....                                            | 113 |
| 4.11   | Frequencies Stability.....                                 | 207 |
| 4.11.1 | Frequency Error vs. Voltage.....                           | 207 |
| 4.11.2 | Frequency Error vs. Temperature .....                      | 207 |
| 4.12   | Dynamic Frequency Selection .....                          | 208 |
| 4.12.1 | DFS Overview.....                                          | 208 |
| 4.12.2 | DFS Detection Thresholds.....                              | 209 |
| 4.12.3 | Response Requirements.....                                 | 209 |
| 4.12.4 | Test plots .....                                           | 210 |
| 5      | Measurement Uncertainty (95% confidence levels, k=2) ..... | 219 |
| 6      | Equipment List .....                                       | 220 |



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

|   |                                                |     |
|---|------------------------------------------------|-----|
| 7 | Photographs - EUT Constructional Details ..... | 222 |
|---|------------------------------------------------|-----|



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

### 3 General Information

#### 3.1 Details of Client

|                         |                                                                    |
|-------------------------|--------------------------------------------------------------------|
| Applicant:              | FIH CO., LTD                                                       |
| Address of Applicant    | No.4, Mingsheng St., Tu-Cheng Dist., New Taipei City 23679, Taiwan |
| Manufacturer:           | FIH CO., LTD                                                       |
| Address of Manufacturer | No.4, Mingsheng St., Tu-Cheng Dist., New Taipei City 23679, Taiwan |

#### 3.2 Test Location

##### Lab A:

|               |                                                                                             |
|---------------|---------------------------------------------------------------------------------------------|
| Company:      | SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch                             |
| Address:      | No. 1 Workshop, M-10, Middle section, Science & Technology Park, Shenzhen, Guangdong, China |
| Post code:    | 518057                                                                                      |
| Test Engineer | Dee Zheng, Mike Hu                                                                          |

##### Lab B:

|               |                                                                                                                            |
|---------------|----------------------------------------------------------------------------------------------------------------------------|
| Company:      | SGS-CSTC STANDARDS TECHNICAL SERVICES (XI 'AN) CO., LTD.                                                                   |
| Address:      | 1/F, Unit D, Building 1, Kanghong Orange Technology Park, No.137, Keyuan 3rd Road, Fengdong New City, Xi'an, Shaanxi China |
| Post code:    | 710086                                                                                                                     |
| Test Engineer | Ben Huang, Leah Chen                                                                                                       |



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

### 3.3 Test Facility

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

**Lab A:**

• **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**

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. 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: CN1178**

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

Designation Number: CN1178. Test Firm Registration Number: 406779.

• **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.

**Lab B:**

• **A2LA (Certificate No. 4854.01)**

SGS-CSTC STANDARDS TECHNICAL SERVICES (XI 'AN) CO., LTD. is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 4854.01.

• **FCC –Designation Number: CN1271**



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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn  
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

### 3.4 General Description of EUT

|                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EUT Description:                | WCDMA/LTE Mobile Phone                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Model No.:                      | EA1002, EC1002                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Trade Mark:                     | FIH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Hardware Version:               | HW 3.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Software Version:               | EA1002_01N0_1_180, EC1002_00N0_1_180                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| IEEE 802.11 WLAN Mode Supported | <input checked="" type="checkbox"/> 802.11a (20 MHz channel bandwidth),<br><input checked="" type="checkbox"/> 802.11n (20 MHz channel bandwidth),<br><input checked="" type="checkbox"/> 802.11n (40 MHz channel bandwidth),<br><input checked="" type="checkbox"/> 802.11ac (20 MHz channel bandwidth)<br><input checked="" type="checkbox"/> 802.11ac (40 MHz channel bandwidth)<br><input checked="" type="checkbox"/> 802.11ac (80 MHz channel bandwidth)<br><input type="checkbox"/> 802.11ac (160 MHz channel bandwidth) |
| Operation Frequency:            | IEEE 802.11n(HT20/40)/ ac(HT20/40/80): 5150MHz to 5250MHz<br>IEEE 802.11n(HT20/40)/ ac(HT20/40/80): 5250MHz to 5350MHz<br>IEEE 802.11n(HT20/40)/ ac(HT20/40/80): 5470MHz to 5725MHz<br>IEEE 802.11n(HT20/40)/ ac(HT20/40/80): 5725MHz to 5850MHz                                                                                                                                                                                                                                                                                |
| Type of Modulation:             | OFDM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| DFS mode:                       | <input type="checkbox"/> Master <input type="checkbox"/> Slave with radar detection <input checked="" type="checkbox"/> Slave without radar detection                                                                                                                                                                                                                                                                                                                                                                           |
| Sample Type:                    | <input checked="" type="checkbox"/> Portable Device, <input type="checkbox"/> Module                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Antenna Type:                   | <input type="checkbox"/> External, <input checked="" type="checkbox"/> Integrated                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Antenna Ports                   | <input checked="" type="checkbox"/> Ant 1, <input type="checkbox"/> Ant 2, <input type="checkbox"/> Ant 3                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Smart System                    | <input checked="" type="checkbox"/> SISO (for 802.11a/n/ac),<br><input type="checkbox"/> MIMO (for 802.11n/ac),<br><input type="checkbox"/> Diversity (for 802.11a).                                                                                                                                                                                                                                                                                                                                                            |
| Antenna Gain:                   | 3.32dBi                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

**Remark:**

In FCC 15.31, for each band in which the device can be operated with the device operating at the number of frequencies in each band specified in the following table, and the selected channel to perform the test as below:

| Frequency Range of Operation<br>Operating Frequency Range (in<br>each Band) | Number of Measurement<br>Frequencies Required | Location of Measurement<br>Frequency in Band of Operation |
|-----------------------------------------------------------------------------|-----------------------------------------------|-----------------------------------------------------------|
| 1 MHz or less                                                               | 1                                             | centre                                                    |
| 1 MHz to 10 MHz                                                             | 2                                             | 1 near high end, 1 near low end                           |
| Greater than 10 MHz                                                         | 3                                             | 1 near high end, 1 near centre                            |



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

For UNII Band I:

| Mode                    | Channel             | Frequency(MHz) |
|-------------------------|---------------------|----------------|
| IEEE 802.11a/n/ac 20MHz | The Lowest channel  | 5180           |
|                         | The Middle channel  | 5200           |
|                         | The Highest channel | 5240           |
| IEEE 802.11n/ac 40MHz   | The Lowest channel  | 5190           |
|                         | The Highest channel | 5230           |
| IEEE 802.11ac 80MHz     | The Middle channel  | 5210           |

For UNII Band II-A:

| Mode                    | Channel             | Frequency(MHz) |
|-------------------------|---------------------|----------------|
| IEEE 802.11a/n/ac 20MHz | The Lowest channel  | 5260           |
|                         | The Middle channel  | 5280           |
|                         | The Highest channel | 5320           |
| IEEE 802.11n/ac 40MHz   | The Lowest channel  | 5270           |
|                         | The Highest channel | 5310           |
| IEEE 802.11ac 80MHz     | The Middle channel  | 5290           |

For UNII Band II-C:

| Mode                    | Channel             | Frequency(MHz) |
|-------------------------|---------------------|----------------|
| IEEE 802.11a/n/ac 20MHz | The Lowest channel  | 5500           |
|                         | The Middle channel  | 5580           |
|                         | The Highest channel | 5700           |
| IEEE 802.11n/ac 40MHz   | The Lowest channel  | 5510           |
|                         | The Middle channel  | 5550           |
|                         | The Highest channel | 5670           |
| IEEE 802.11ac 80MHz     | The Lowest channel  | 5530           |
|                         | The Highest channel | 5610           |

For UNII Band III:

| Mode                    | Channel             | Frequency(MHz) |
|-------------------------|---------------------|----------------|
| IEEE 802.11a/n/ac 20MHz | The Lowest channel  | 5745           |
|                         | The Middle channel  | 5785           |
|                         | The Highest channel | 5825           |
| IEEE 802.11n/ac 40MHz   | The Lowest channel  | 5755           |
|                         | The Highest channel | 5795           |
| IEEE 802.11ac 80MHz     | The Middle channel  | 5775           |



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

### 3.5 Test Environment and Mode

| Operating Environment: |                                                                                          |
|------------------------|------------------------------------------------------------------------------------------|
| Temperature:           | 25.0 °C                                                                                  |
| Humidity:              | 50 % RH                                                                                  |
| Atmospheric Pressure:  | 101.30 KPa                                                                               |
| Test mode:             |                                                                                          |
| Transmitting mode:     | Keep the EUT in transmitting mode with all kind of modulation and all kind of data rate. |



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

## 4 Test results and Measurement Data

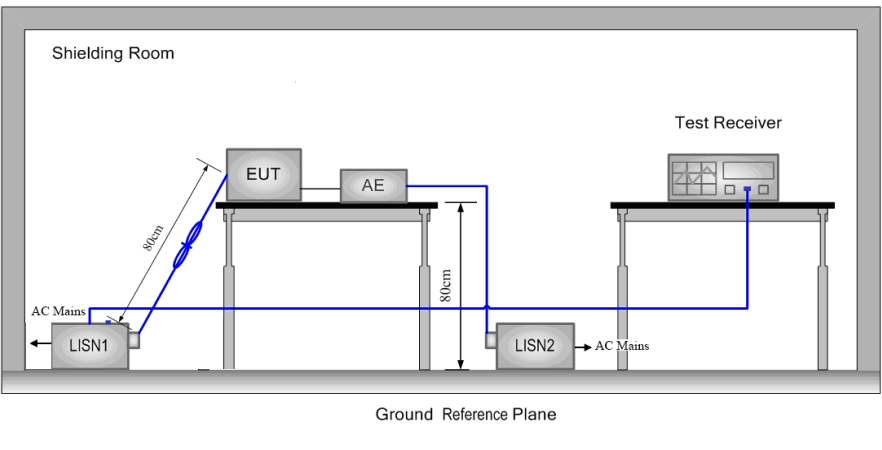
### 4.1 Antenna Requirement

|                                                                                                                      |                               |
|----------------------------------------------------------------------------------------------------------------------|-------------------------------|
| <b>Standard requirement:</b>                                                                                         | 47 CFR Part 15 Section 15.203 |
| The antenna is integrated antenna and no consideration of replacement. The best case gain of the antenna is 3.32dBi. |                               |

### 4.2 AC Power Line Conducted Emissions

|                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |              |           |
|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----------|
| <b>Test Requirement:</b>                         | 47 CFR Part 15 Section 15.407(b)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |              |           |
| <b>Test Method:</b>                              | ANSI C63.10: 2013                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |              |           |
| <b>Test Frequency Range:</b>                     | 150kHz to 30MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |              |           |
| <b>Limit:</b>                                    | Frequency range (MHz)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Limit (dBuV) |           |
|                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Quasi-peak   | Average   |
|                                                  | 0.15-0.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 66 to 56*    | 56 to 46* |
|                                                  | 0.5-5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 56           | 46        |
|                                                  | 5-30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 60           | 50        |
| * Decreases with the logarithm of the frequency. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |              |           |
| <b>Test Procedure:</b>                           | <ol style="list-style-type: none"> <li>1) The mains terminal disturbance voltage test was conducted in a shielded room.</li> <li>2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a 50Ω/50μH + 5Ω linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded.</li> <li>3) The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane,</li> <li>4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2.</li> <li>5) In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10: 2013 on conducted measurement.</li> </ol> |              |           |



|                        |                                                                                                                                            |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Test Setup:            |                                                          |
| Exploratory Test Mode: | Transmitting with all kind of modulations, data rates at lowest, middle and highest channel.                                               |
| Final Test Mode:       | Through Pre-scan, find the 6Mbps of rate of 802.11a at lowest channel is the worst case.<br>Only the worst case is recorded in the report. |
| Instruments Used:      | Refer to section 5.10 for details                                                                                                          |
| Test Results:          | Pass                                                                                                                                       |

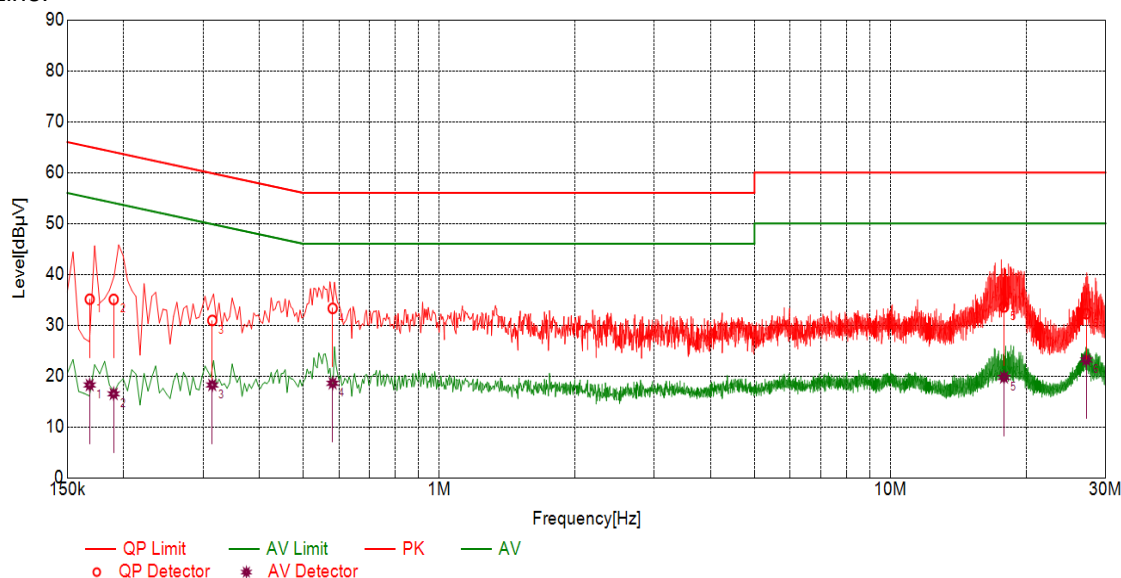


### Measurement Data

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

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

### Live Line:



### Test Graph

| Final Data List |             |             |                 |                 |                |                 |                 |                |      |
|-----------------|-------------|-------------|-----------------|-----------------|----------------|-----------------|-----------------|----------------|------|
| NO.             | Freq. [MHz] | Factor [dB] | QP Value [dBμV] | QP Limit [dBμV] | QP Margin [dB] | AV Value [dBμV] | AV Limit [dBμV] | AV Margin [dB] | Type |
| 1               | 0.1682      | 10.10       | 35.11           | 65.05           | 29.94          | 18.24           | 55.05           | 36.81          | L    |
| 2               | 0.1901      | 10.10       | 35.07           | 64.03           | 28.96          | 16.50           | 54.03           | 37.53          | L    |
| 3               | 0.3143      | 10.10       | 30.94           | 59.86           | 28.92          | 18.25           | 49.86           | 31.61          | L    |
| 4               | 0.5810      | 10.10       | 33.30           | 56.00           | 22.70          | 18.59           | 46.00           | 27.41          | L    |
| 5               | 17.8603     | 10.11       | 33.61           | 60.00           | 26.39          | 19.74           | 50.00           | 30.26          | L    |
| 6               | 27.1678     | 10.11       | 32.26           | 60.00           | 27.74          | 23.17           | 50.00           | 26.83          | L    |

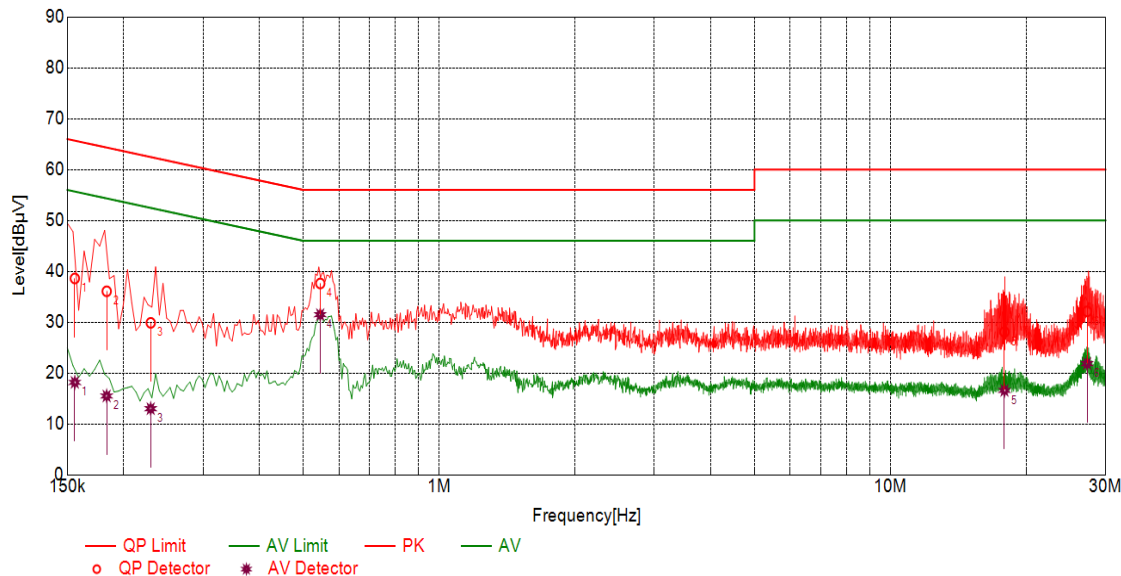


SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch (SGS-CSTC Laboratory)

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 <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) 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, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn  
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Neutral Line:



### Test Graph

### Final Data List

| NO. | Freq. [MHz] | Factor [dB] | QP Value [dBμV] | QP Limit [dBμV] | QP Margin [dB] | AV Value [dBμV] | AV Limit [dBμV] | AV Margin [dB] | Type |
|-----|-------------|-------------|-----------------|-----------------|----------------|-----------------|-----------------|----------------|------|
| 1   | 0.1559      | 10.10       | 38.60           | 65.68           | 27.08          | 18.17           | 55.68           | 37.51          | N    |
| 2   | 0.1834      | 10.10       | 36.08           | 64.33           | 28.25          | 15.49           | 54.33           | 38.84          | N    |
| 3   | 0.2296      | 10.10       | 29.88           | 62.46           | 32.58          | 13.00           | 52.46           | 39.46          | N    |
| 4   | 0.5453      | 10.10       | 37.62           | 56.00           | 18.38          | 31.48           | 46.00           | 14.52          | N    |
| 5   | 17.8998     | 10.11       | 28.08           | 60.00           | 31.92          | 16.59           | 50.00           | 33.41          | N    |
| 6   | 27.2840     | 10.11       | 32.13           | 60.00           | 27.87          | 21.86           | 50.00           | 28.14          | N    |

### Remarks:

1. The following Quasi-Peak and Average measurements were performed on the EUT:
2. Final Test Level = Receiver Reading + LISN Factor + Cable Loss.



SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch (SGS-CSTC 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 <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) 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, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn  
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

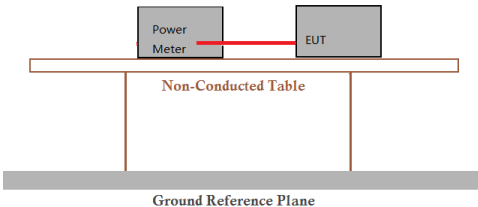
### 4.3 Duty Cycle

The detailed test data see: **Appendix**



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

### 4.4 Conducted Output Power

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                      |                                          |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|
| Test Requirement:      | 47 CFR Part 15 Section 15.407(a)                                                                                                                                                                                                                                                                                                                                                                                     |                                          |
| Test Method:           | ANSI C63.10 :2013                                                                                                                                                                                                                                                                                                                                                                                                    |                                          |
| Test Setup:            |                                                                                                                                                                                                                                                                                                                                     |                                          |
| Test Instruments:      | Refer to section 5.10 for details                                                                                                                                                                                                                                                                                                                                                                                    |                                          |
| Exploratory Test Mode: | Transmitting with all kind of modulations, data rates                                                                                                                                                                                                                                                                                                                                                                |                                          |
| Final Test Mode:       | <p>Through Pre-scan, find the<br/>6Mbps of rate is the worst case of 802.11a;<br/>MCS0 of rate is the worst case of 802.11n(HT20) ;<br/>MCS0 of rate is the worst case of 802.11n(HT40);<br/>MCS0 of rate is the worst case of 802.11ac(VHT20).<br/>MCS0 of rate is the worst case of 802.11ac(VHT40).<br/>MCS0 of rate is the worst case of 802.11ac(VHT80).<br/>Only the worst case is recorded in the report.</p> |                                          |
| Limit:                 | Frequency Band                                                                                                                                                                                                                                                                                                                                                                                                       | Limit                                    |
|                        | 5150-5250MHz                                                                                                                                                                                                                                                                                                                                                                                                         | Not exceed 250mW(24dBm)                  |
|                        | 5250-5350MHz                                                                                                                                                                                                                                                                                                                                                                                                         | The lesser of 250mW(24dBm) or 11+ 10logB |
|                        | 5470-5725MHz                                                                                                                                                                                                                                                                                                                                                                                                         | The lesser of 250mW(24dBm) or 11+ 10logB |
|                        | 5725-5850MHz                                                                                                                                                                                                                                                                                                                                                                                                         | Not exceed 1W(30dBm)                     |
|                        | *Where B is the 26dB emission bandwidth in MHz                                                                                                                                                                                                                                                                                                                                                                       |                                          |
| Test Results:          | Pass                                                                                                                                                                                                                                                                                                                                                                                                                 |                                          |

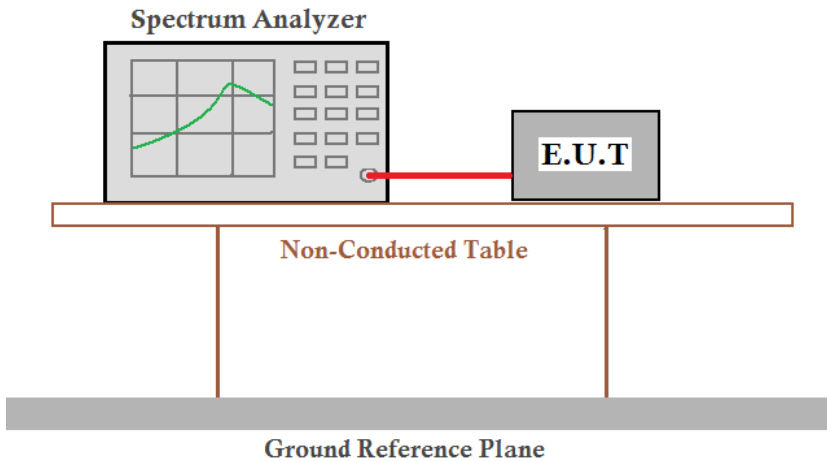
The detailed test data see: **Appendix**



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

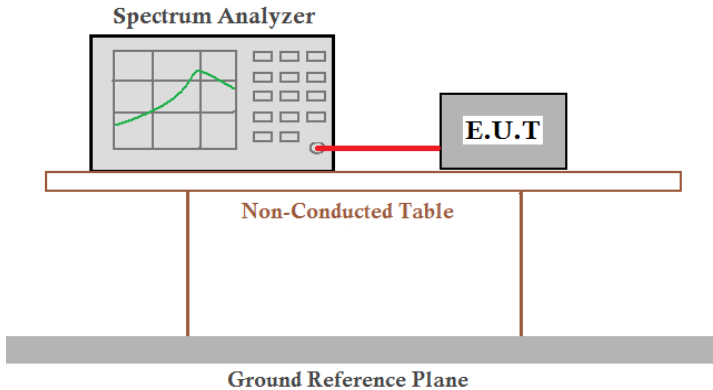
## 4.5 26dB Emission Bandwidth

|                        |                                                                                                                                                                                                                                                                                                                                                                                                        |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Requirement:      | 47 CFR Part 15 Section 15.407(a)                                                                                                                                                                                                                                                                                                                                                                       |
| Test Method:           | ANSI C63.10: 2013                                                                                                                                                                                                                                                                                                                                                                                      |
| Test Setup:            |                                                                                                                                                                                                                                                                                                                      |
| Instruments Used:      | Refer to section 5.10 for details                                                                                                                                                                                                                                                                                                                                                                      |
| Exploratory Test Mode: | Transmitting with all kind of modulations, data rates                                                                                                                                                                                                                                                                                                                                                  |
| Final Test Mode:       | Through Pre-scan, find the<br>6Mbps of rate is the worst case of 802.11a;<br>MCS0 of rate is the worst case of 802.11n(HT20) ;<br>MCS0 of rate is the worst case of 802.11n(HT40);<br>MCS0 of rate is the worst case of 802.11ac(VHT20).<br>MCS0 of rate is the worst case of 802.11ac(VHT40).<br>MCS0 of rate is the worst case of 802.11ac(VHT80).<br>Only the worst case is recorded in the report. |
| Limit:                 | No restriction limits                                                                                                                                                                                                                                                                                                                                                                                  |
| Test Results:          | Pass                                                                                                                                                                                                                                                                                                                                                                                                   |

The detailed test data see: **Appendix**



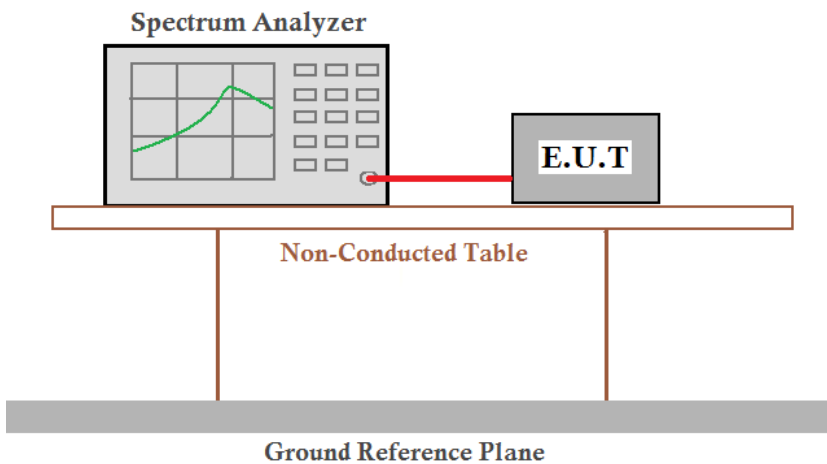
### 4.6 6dB Emission Bandwidth

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                           |                 |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| Test Requirement:      | 47 CFR Part 15 Section 15.407(e)                                                                                                                                                                                                                                                                                                                                                                                                          |                 |
| Test Method:           | ANSI C63.10: 2013                                                                                                                                                                                                                                                                                                                                                                                                                         |                 |
| Test Setup:            |                                                                                                                                                                                                                                                                                                                                                         |                 |
| Test Instruments:      | Refer to section 5.10 for details                                                                                                                                                                                                                                                                                                                                                                                                         |                 |
| Exploratory Test Mode: | Transmitting with all kind of modulations, data rates                                                                                                                                                                                                                                                                                                                                                                                     |                 |
| Final Test Mode:       | <p>Through Pre-scan, find the</p> <p>6Mbps of rate is the worst case of 802.11a;</p> <p>MCS0 of rate is the worst case of 802.11n(HT20) ;</p> <p>MCS0 of rate is the worst case of 802.11n(HT40);</p> <p>MCS0 of rate is the worst case of 802.11ac(VHT20).</p> <p>MCS0 of rate is the worst case of 802.11ac(VHT40).</p> <p>MCS0 of rate is the worst case of 802.11ac(VHT80).</p> <p>Only the worst case is recorded in the report.</p> |                 |
| Limit:                 | Frequency Band                                                                                                                                                                                                                                                                                                                                                                                                                            | Limit           |
|                        | 5725-5850MHz                                                                                                                                                                                                                                                                                                                                                                                                                              | At lease 500kHz |
| Test Results:          | Pass                                                                                                                                                                                                                                                                                                                                                                                                                                      |                 |

The detailed test data see: **Appendix**



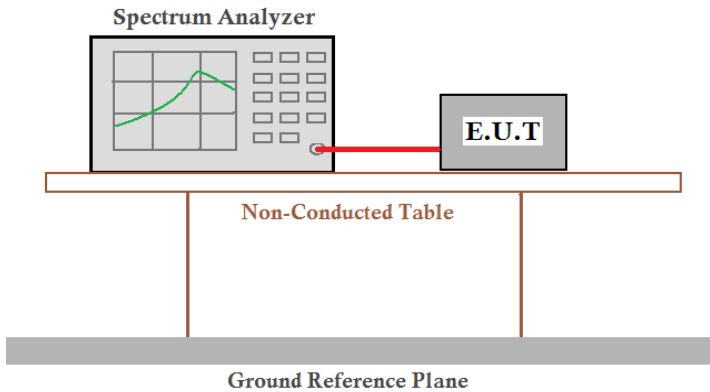
### 4.7 99% Occupied Bandwidth

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Requirement:      | 47 CFR Part 15 Section 15.407(a)                                                                                                                                                                                                                                                                                                                                                                                                          |
| Test Method:           | ANSI C63.10: 2013                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Test Setup:            |                                                                                                                                                                                                                                                                                                                                                         |
| Instruments Used:      | Refer to section 5.10 for details                                                                                                                                                                                                                                                                                                                                                                                                         |
| Exploratory Test Mode: | Transmitting with all kind of modulations, data rates                                                                                                                                                                                                                                                                                                                                                                                     |
| Final Test Mode:       | <p>Through Pre-scan, find the</p> <p>6Mbps of rate is the worst case of 802.11a;</p> <p>MCS0 of rate is the worst case of 802.11n(HT20) ;</p> <p>MCS0 of rate is the worst case of 802.11n(HT40);</p> <p>MCS0 of rate is the worst case of 802.11ac(VHT20).</p> <p>MCS0 of rate is the worst case of 802.11ac(VHT40).</p> <p>MCS0 of rate is the worst case of 802.11ac(VHT80).</p> <p>Only the worst case is recorded in the report.</p> |
| Limit:                 | No restriction limits                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Test Results:          | Pass                                                                                                                                                                                                                                                                                                                                                                                                                                      |

The detailed test data see: **Appendix**



### 4.8 Power Spectral Density

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                    |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|
| Test Requirement:      | 47 CFR Part 15 Section 15.407(a)                                                                                                                                                                                                                                                                                                                                                                                                          |                                                    |
| Test Method:           | ANSI C63.10: 2013<br>KDB 789033 D02 v02r01, Section F.                                                                                                                                                                                                                                                                                                                                                                                    |                                                    |
| Test Setup:            |                                                                                                                                                                                                                                                                                                                                                         |                                                    |
| Instruments Used:      | Refer to section 5.10 for details                                                                                                                                                                                                                                                                                                                                                                                                         |                                                    |
| Exploratory Test Mode: | Transmitting with all kind of modulations, data rates                                                                                                                                                                                                                                                                                                                                                                                     |                                                    |
| Final Test Mode:       | <p>Through Pre-scan, find the</p> <p>6Mbps of rate is the worst case of 802.11a;</p> <p>MCS0 of rate is the worst case of 802.11n(HT20) ;</p> <p>MCS0 of rate is the worst case of 802.11n(HT40);</p> <p>MCS0 of rate is the worst case of 802.11ac(VHT20).</p> <p>MCS0 of rate is the worst case of 802.11ac(VHT40).</p> <p>MCS0 of rate is the worst case of 802.11ac(VHT80).</p> <p>Only the worst case is recorded in the report.</p> |                                                    |
| Limit:                 | Frequency Band                                                                                                                                                                                                                                                                                                                                                                                                                            | Limit                                              |
|                        | 5150-5250MHz                                                                                                                                                                                                                                                                                                                                                                                                                              | The power spectral density less than 11dBm/1MHz    |
|                        | 5250-5350MHz                                                                                                                                                                                                                                                                                                                                                                                                                              | The power spectral density less than 11dBm/1MHz    |
|                        | 5470-5725MHz                                                                                                                                                                                                                                                                                                                                                                                                                              | The power spectral density less than 11dBm/1MHz    |
|                        | 5725-5850MHz                                                                                                                                                                                                                                                                                                                                                                                                                              | The power spectral density less than <30dBm/500KHz |
| Test Results:          | Pass                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                    |

The detailed test data see: **Appendix**



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

### 4.9 Radiated Spurious Emissions

|                   |                                                         |
|-------------------|---------------------------------------------------------|
| Test Requirement: | 47 CFR Part 15 Section 15.407(b)                        |
| Test Method:      | ANSI C63.10: 2013                                       |
| Test Site:        | Measurement Distance: 3m or 10m (Semi-Anechoic Chamber) |
| Test Setup:       |                                                         |

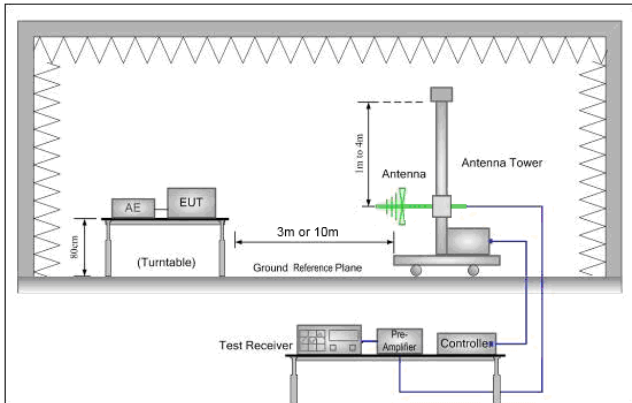


Figure 1. 30MHz to 1GHz

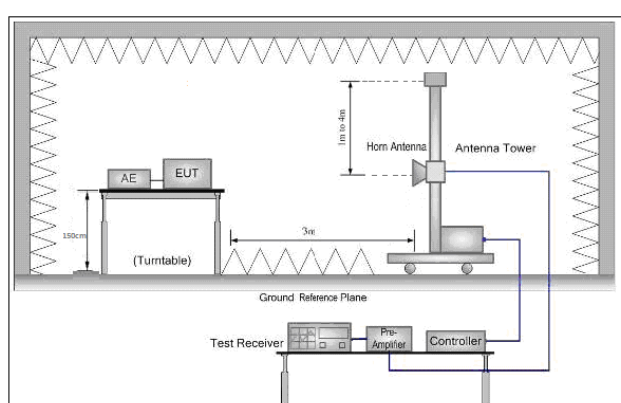


Figure 2. Above 1 GHz

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Procedure:        | <ol style="list-style-type: none"> <li>For below 1GHz test, 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.</li> <li>For above 1GHz test, the EUT was placed on the top of a rotating table 1.5 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.</li> <li>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.</li> <li>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.</li> <li>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 and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.</li> <li>The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.</li> <li>Test the EUT in the outermost channels.</li> <li>The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is worse case.</li> <li>Repeat above procedures until all frequencies measured was complete.</li> </ol> |
| Exploratory Test Mode: | Transmitting with all kind of modulations, data rates.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Final Test Mode:       | Through Pre-scan, find the<br>6Mbps of rate is the worst case of 802.11a;<br>MCS0 of rate is the worst case of 802.11n(HT20) ;<br>MCS0 of rate is the worst case of 802.11n(HT40);                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.  
Attention: To check the authenticity of testing / inspection report and certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CH.Doccheck@sgs.com](mailto:CH.Doccheck@sgs.com)

Report No.: AR/2020/C000805-01

Page: 24 of 363

|                   |                                                                                                                                                                                                                                                                                                                                                     |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                   | <p>MCS0 of rate is the worst case of 802.11ac(VHT20).</p> <p>MCS0 of rate is the worst case of 802.11ac(VHT40).</p> <p>MCS0 of rate is the worst case of 802.11ac(VHT80).</p> <p>For below 1GHz, through Pre-scan, find the 1Mbps of rate of 802.11a at lowest channel is the worst case.</p> <p>Only the worst case is recorded in the report.</p> |
| Instruments Used: | Refer to section 5.10 for details                                                                                                                                                                                                                                                                                                                   |
| Test Results:     | Pass                                                                                                                                                                                                                                                                                                                                                |

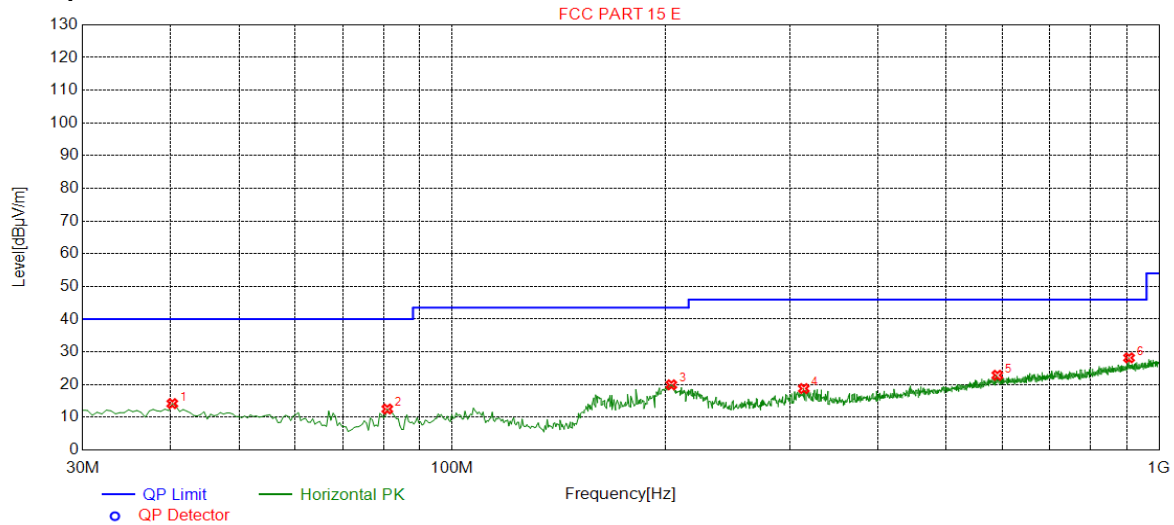


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

### 4.9.1 Radiated emission below 1GHz

#### Test Graph



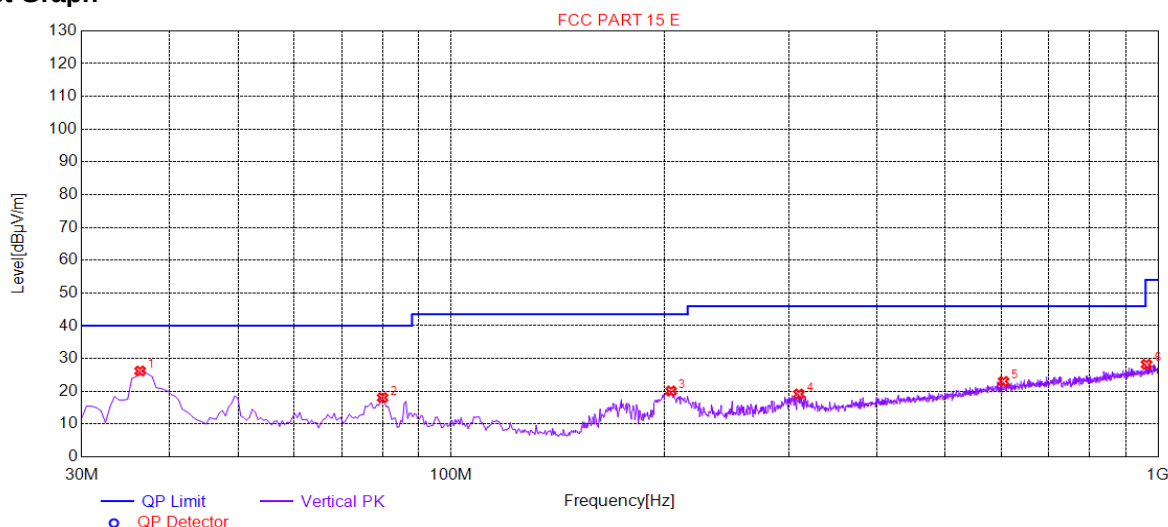
#### Suspected List

| Suspected List |             |                |                |             |             |           |            |
|----------------|-------------|----------------|----------------|-------------|-------------|-----------|------------|
| NO.            | Freq. [MHz] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1              | 40.1901     | 14.20          | 40.00          | 25.80       | 247         | 61        | Horizontal |
| 2              | 80.9505     | 12.54          | 40.00          | 27.46       | 223         | 87        | Horizontal |
| 3              | 204.2021    | 19.94          | 43.50          | 23.56       | 209         | 309       | Horizontal |
| 4              | 314.3522    | 18.79          | 46.00          | 27.21       | 212         | 339       | Horizontal |
| 5              | 590.4552    | 22.86          | 46.00          | 23.14       | 229         | 339       | Horizontal |
| 6              | 906.8334    | 28.18          | 46.00          | 17.82       | 170         | 31        | Horizontal |

#### Final Data List



### Test Graph



### Suspected List

| Suspected List |             |                |                |             |             |           |          |
|----------------|-------------|----------------|----------------|-------------|-------------|-----------|----------|
| NO.            | Freq. [MHz] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1              | 36.3082     | 26.20          | 40.00          | 13.80       | 214         | 14        | Vertical |
| 2              | 79.9800     | 18.07          | 40.00          | 21.93       | 270         | 257       | Vertical |
| 3              | 204.6873    | 20.11          | 43.50          | 23.39       | 285         | 328       | Vertical |
| 4              | 310.4702    | 19.18          | 46.00          | 26.82       | 174         | 18        | Vertical |
| 5              | 604.5273    | 23.03          | 46.00          | 22.97       | 226         | 229       | Vertical |
| 6              | 963.1216    | 28.23          | 54.00          | 25.77       | 203         | 133       | Vertical |

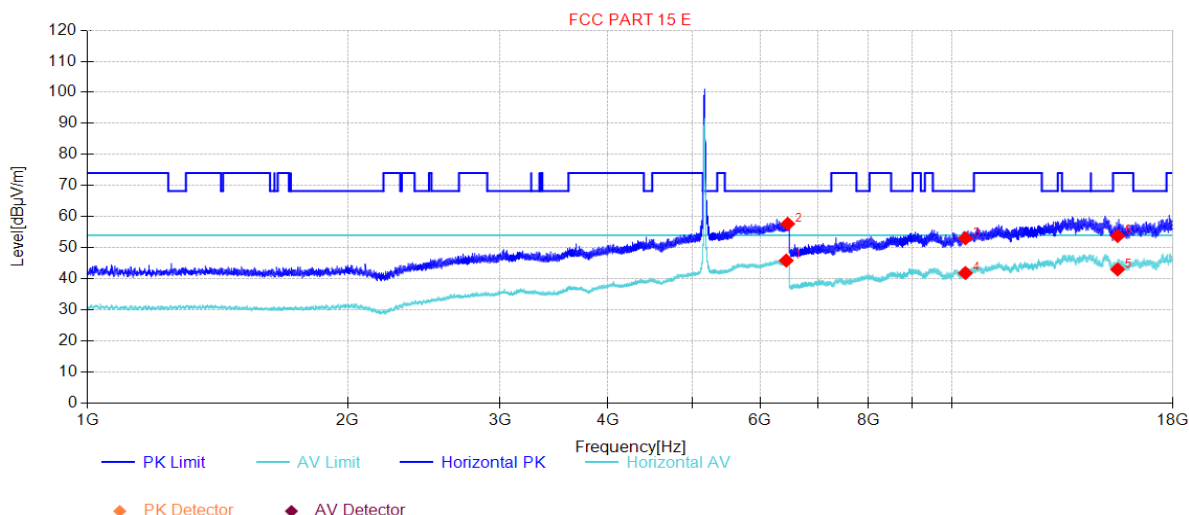
### Final Data List



### 4.9.2 Transmitter emission above 1GHz 802.11A\_Channel 36

#### 4.9.2.1

#### Test Graph



#### Suspected List

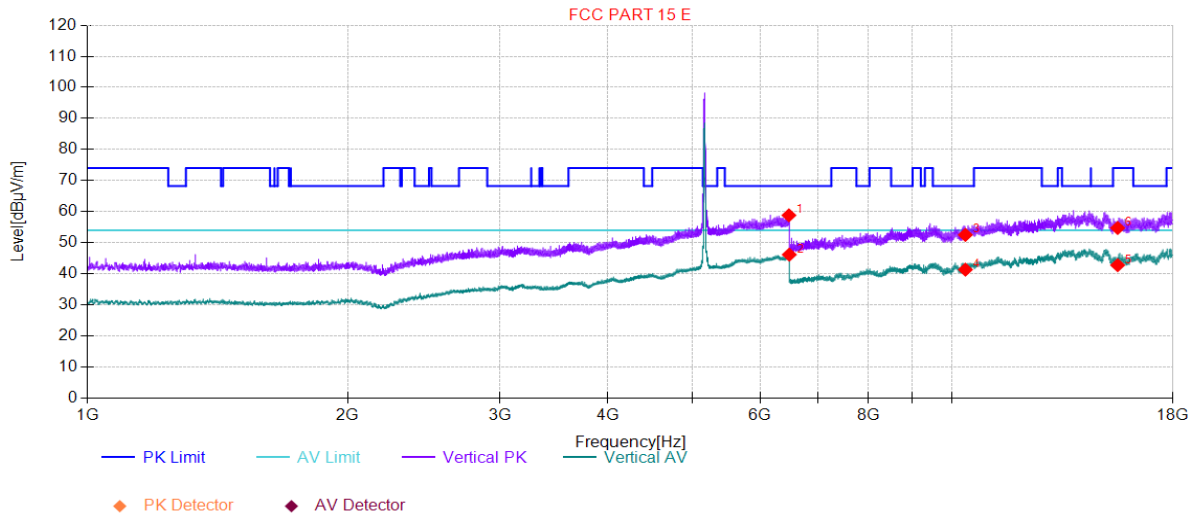
| Suspected List |             |                |             |                |             |             |            |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|------------|
| NO.            | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Polarity   |
| 1              | 6429.228    | 45.84          | 18.32       | 54.00          | 8.16        | 124         | Horizontal |
| 2              | 6454.530    | 57.65          | 18.46       | 68.20          | 10.55       | 332         | Horizontal |
| 3              | 10360.00    | 53.01          | 2.38        | 68.20          | 15.19       | 333         | Horizontal |
| 4              | 10360.00    | 41.83          | 2.38        | 54.00          | 12.17       | 233         | Horizontal |
| 5              | 15540.00    | 42.98          | 5.88        | 54.00          | 11.02       | 166         | Horizontal |
| 6              | 15540.00    | 53.74          | 5.88        | 74.00          | 20.26       | 191         | Horizontal |

#### Final Data List



### 4.9.2.2 802.11A\_Channel 36

#### Test Graph



#### Suspected List

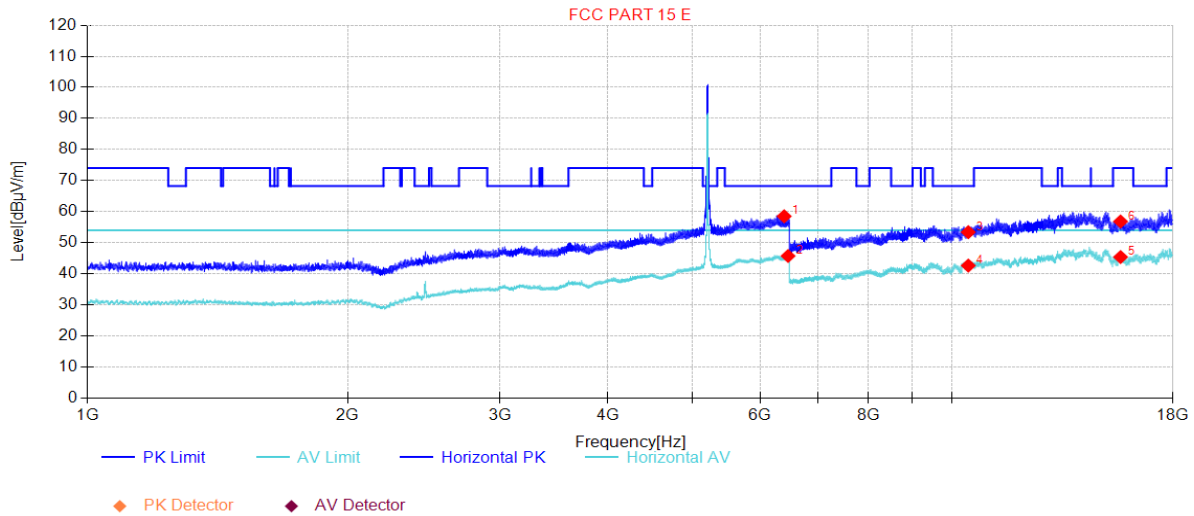
| Suspected List |             |                |             |                |             |             |          |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|----------|
| NO.            | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Polarity |
| 1              | 6475.431    | 58.80          | 18.58       | 68.20          | 9.40        | 388         | Vertical |
| 2              | 6482.032    | 46.13          | 18.62       | 54.00          | 7.87        | 281         | Vertical |
| 3              | 10360.00    | 52.49          | 2.38        | 68.20          | 15.71       | 187         | Vertical |
| 4              | 10360.00    | 41.30          | 2.38        | 54.00          | 12.70       | 142         | Vertical |
| 5              | 15540.00    | 42.74          | 5.88        | 54.00          | 11.26       | 344         | Vertical |
| 6              | 15540.00    | 54.73          | 5.88        | 74.00          | 19.27       | 307         | Vertical |

#### Final Data List



### 4.9.2.3 802.11A\_Channel 44

#### Test Graph



#### Suspected List

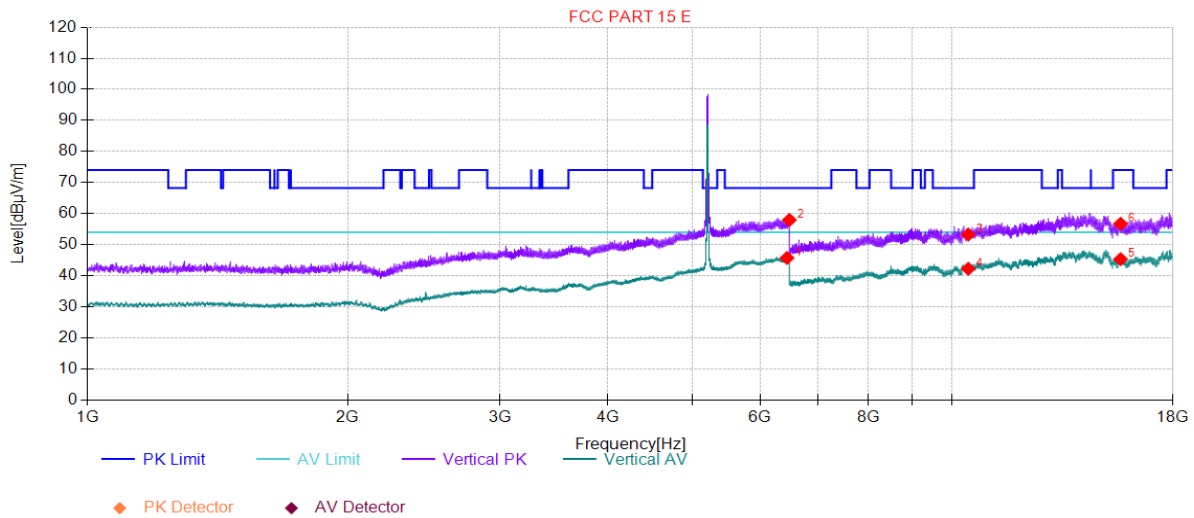
| Suspected List |             |                |             |                |             |             |            |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|------------|
| NO.            | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Polarity   |
| 1              | 6393.659    | 58.48          | 18.18       | 68.20          | 9.72        | 258         | Horizontal |
| 2              | 6460.764    | 45.70          | 18.50       | 54.00          | 8.30        | 344         | Horizontal |
| 3              | 10440.00    | 53.37          | 2.46        | 68.20          | 14.83       | 240         | Horizontal |
| 4              | 10440.00    | 42.61          | 2.46        | 54.00          | 11.39       | 228         | Horizontal |
| 5              | 15660.00    | 45.36          | 6.12        | 54.00          | 8.64        | 239         | Horizontal |
| 6              | 15660.00    | 56.81          | 6.12        | 74.00          | 17.19       | 186         | Horizontal |

#### Final Data List



### 4.9.2.4 802.11A\_Channel 44

#### Test Graph



#### Suspected List

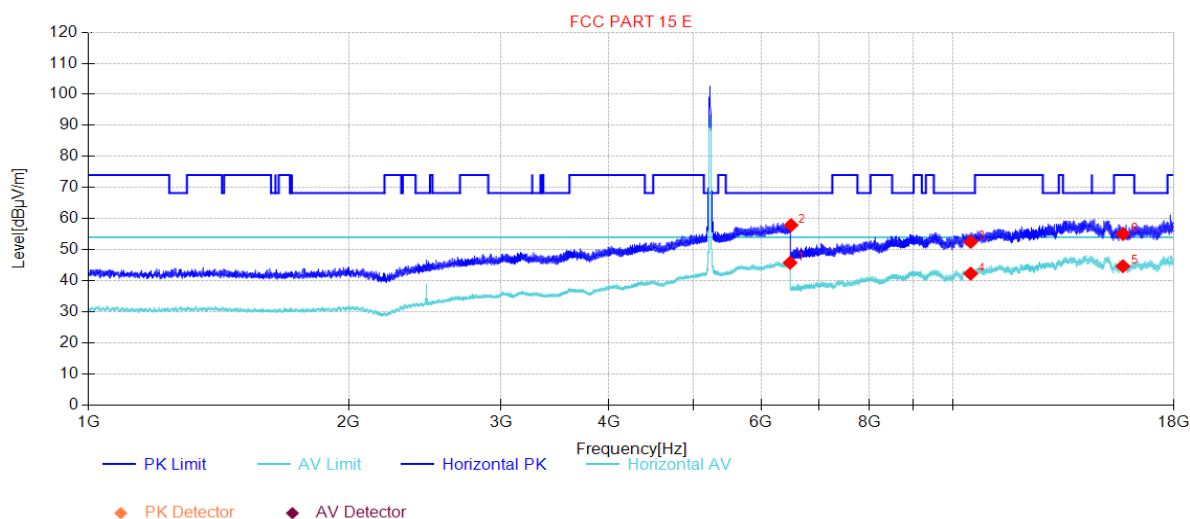
| Suspected List |             |                |             |                |             |             |          |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|----------|
| NO.            | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Polarity |
| 1              | 6442.796    | 45.71          | 18.40       | 54.00          | 8.29        | 290         | Vertical |
| 2              | 6483.498    | 57.93          | 18.62       | 68.20          | 10.27       | 314         | Vertical |
| 3              | 10440.00    | 53.24          | 2.46        | 68.20          | 14.96       | 241         | Vertical |
| 4              | 10440.00    | 42.23          | 2.46        | 54.00          | 11.77       | 228         | Vertical |
| 5              | 15660.00    | 45.31          | 6.12        | 54.00          | 8.69        | 161         | Vertical |
| 6              | 15660.00    | 56.71          | 6.12        | 74.00          | 17.29       | 131         | Vertical |

#### Final Data List



### 4.9.2.5 802.11A\_Channel 48

#### Test Graph



#### Suspected List

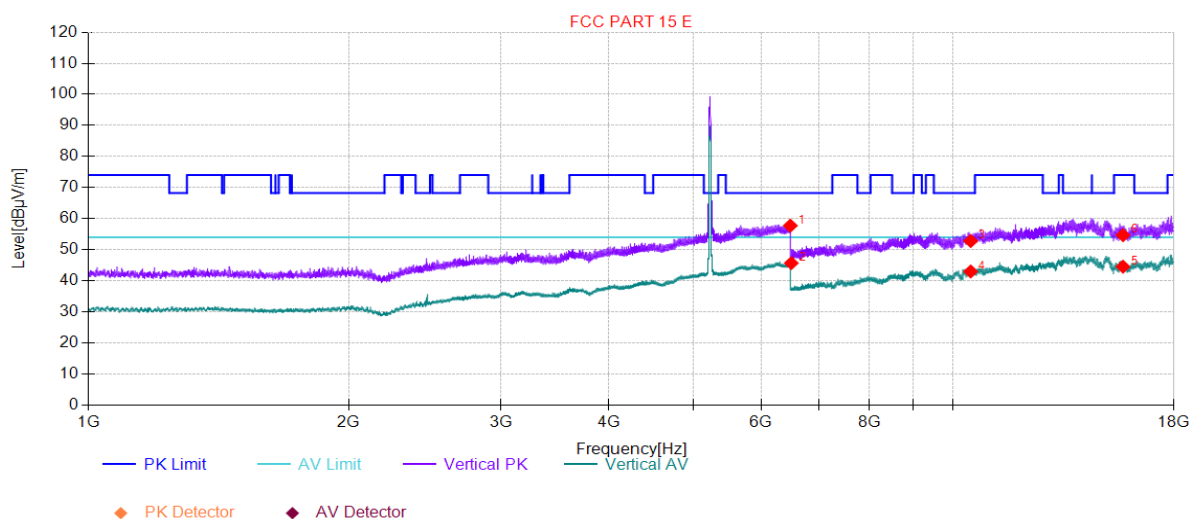
| Suspected List |             |                |             |                |             |             |            |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|------------|
| NO.            | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Polarity   |
| 1              | 6478.365    | 45.76          | 18.59       | 54.00          | 8.24        | 241         | Horizontal |
| 2              | 6496.333    | 57.89          | 18.69       | 68.20          | 10.31       | 393         | Horizontal |
| 3              | 10480.00    | 52.51          | 2.49        | 68.20          | 15.69       | 119         | Horizontal |
| 4              | 10480.00    | 42.27          | 2.49        | 54.00          | 11.73       | 184         | Horizontal |
| 5              | 15720.00    | 44.66          | 5.92        | 54.00          | 9.34        | 188         | Horizontal |
| 6              | 15720.00    | 55.02          | 5.92        | 74.00          | 18.98       | 241         | Horizontal |

#### Final Data List



### 4.9.2.6 802.11A\_Channel 48

#### Test Graph



#### Suspected List

| Suspected List |             |                |             |                |             |             |          |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|----------|
| NO.            | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Polarity |
| 1              | 6482.765    | 57.72          | 18.62       | 68.20          | 10.48       | 130         | Vertical |
| 2              | 6499.266    | 45.66          | 18.71       | 54.00          | 8.34        | 348         | Vertical |
| 3              | 10480.00    | 52.79          | 2.49        | 68.20          | 15.41       | 140         | Vertical |
| 4              | 10480.00    | 42.97          | 2.49        | 54.00          | 11.03       | 364         | Vertical |
| 5              | 15720.00    | 44.52          | 5.92        | 54.00          | 9.48        | 268         | Vertical |
| 6              | 15720.00    | 54.65          | 5.92        | 74.00          | 19.35       | 109         | Vertical |

#### Final Data List



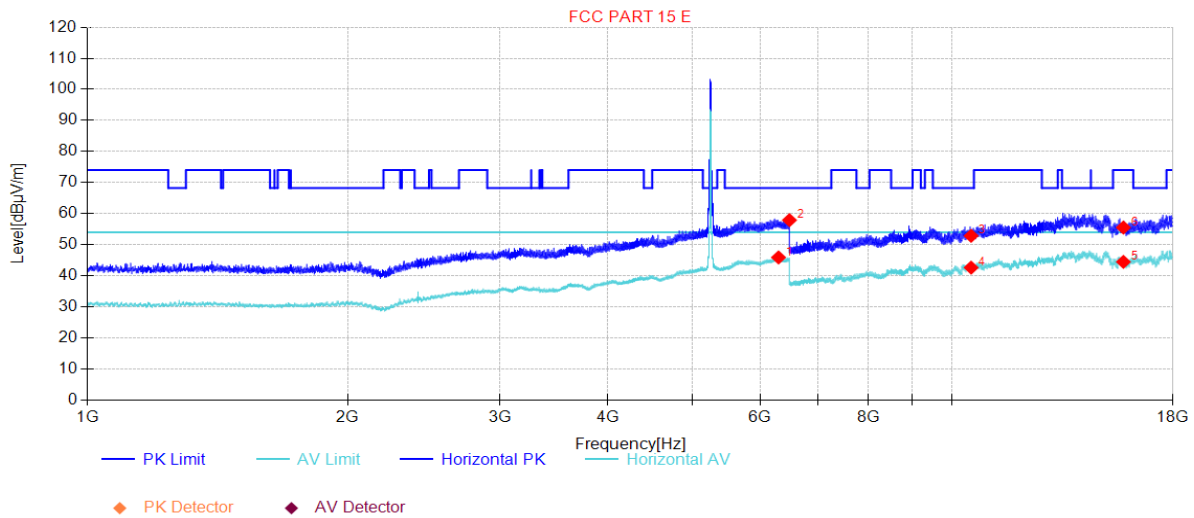
SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch (FCC Laboratory)

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 <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) 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, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn  
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

### 4.9.2.7 802.11A\_Channel 52

#### Test Graph



#### Suspected List

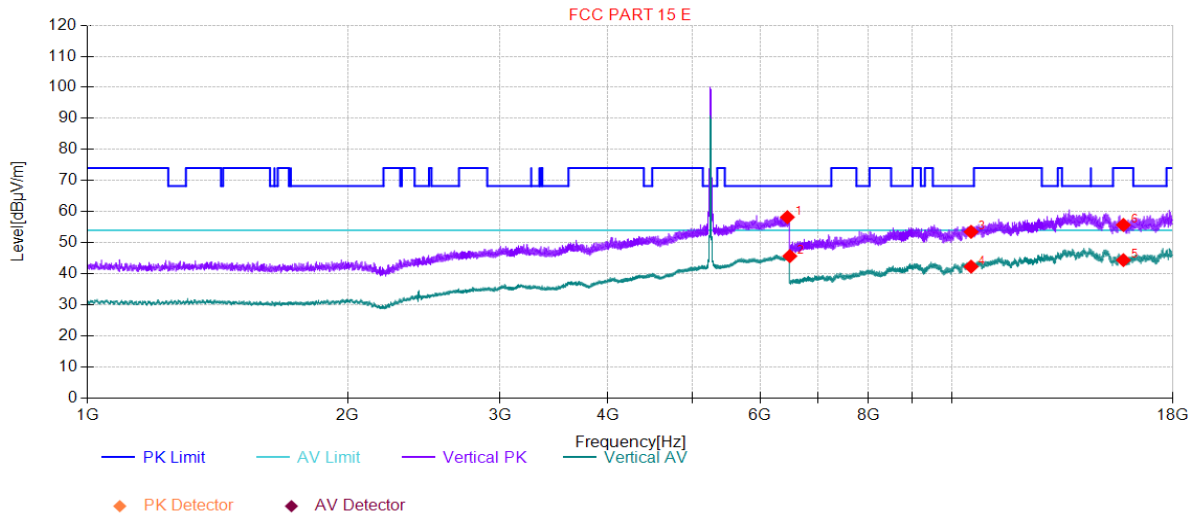
| Suspected List |             |                |             |                |             |             |            |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|------------|
| NO.            | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Polarity   |
| 1              | 6298.686    | 45.87          | 18.48       | 54.00          | 8.13        | 358         | Horizontal |
| 2              | 6485.332    | 57.88          | 18.63       | 68.20          | 10.32       | 117         | Horizontal |
| 3              | 10520.00    | 52.84          | 2.45        | 68.20          | 15.36       | 324         | Horizontal |
| 4              | 10520.00    | 42.59          | 2.45        | 54.00          | 11.41       | 352         | Horizontal |
| 5              | 15780.00    | 44.44          | 5.30        | 54.00          | 9.56        | 238         | Horizontal |
| 6              | 15780.00    | 55.51          | 5.30        | 74.00          | 18.49       | 261         | Horizontal |

#### Final Data List



### 4.9.2.8 802.11A\_Channel 52

#### Test Graph



#### Suspected List

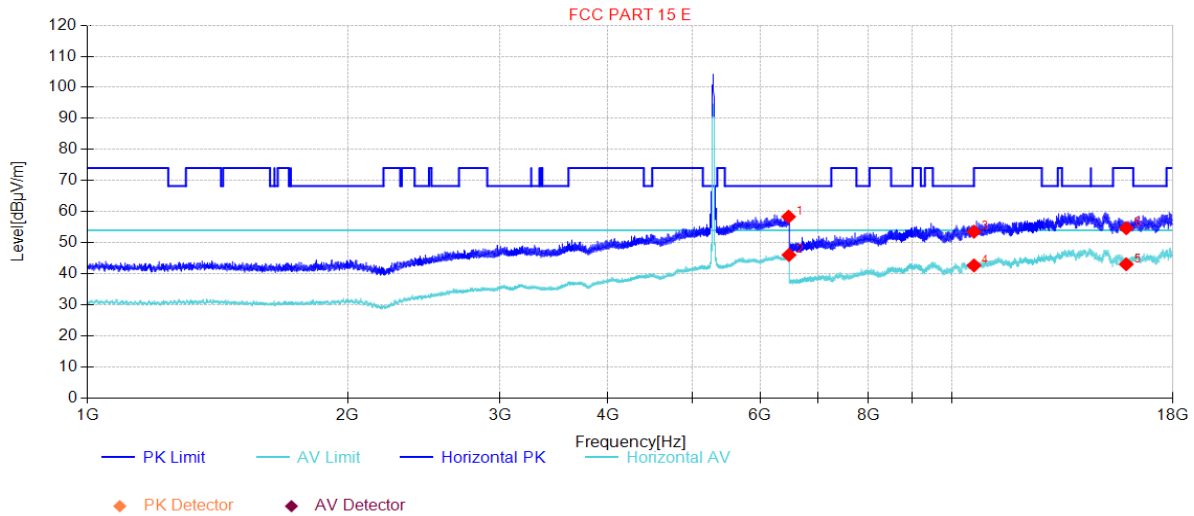
| Suspected List |             |                |             |                |             |             |          |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|----------|
| NO.            | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Polarity |
| 1              | 6447.929    | 58.19          | 18.43       | 68.20          | 10.01       | 329         | Vertical |
| 2              | 6490.832    | 45.66          | 18.66       | 54.00          | 8.34        | 165         | Vertical |
| 3              | 10520.00    | 53.47          | 2.45        | 68.20          | 14.73       | 182         | Vertical |
| 4              | 10520.00    | 42.27          | 2.45        | 54.00          | 11.73       | 124         | Vertical |
| 5              | 15780.00    | 44.37          | 5.30        | 54.00          | 9.63        | 126         | Vertical |
| 6              | 15780.00    | 55.70          | 5.30        | 74.00          | 18.30       | 173         | Vertical |

#### Final Data List



### 4.9.2.9 802.11A\_Channel 60

#### Test Graph



#### Suspected List

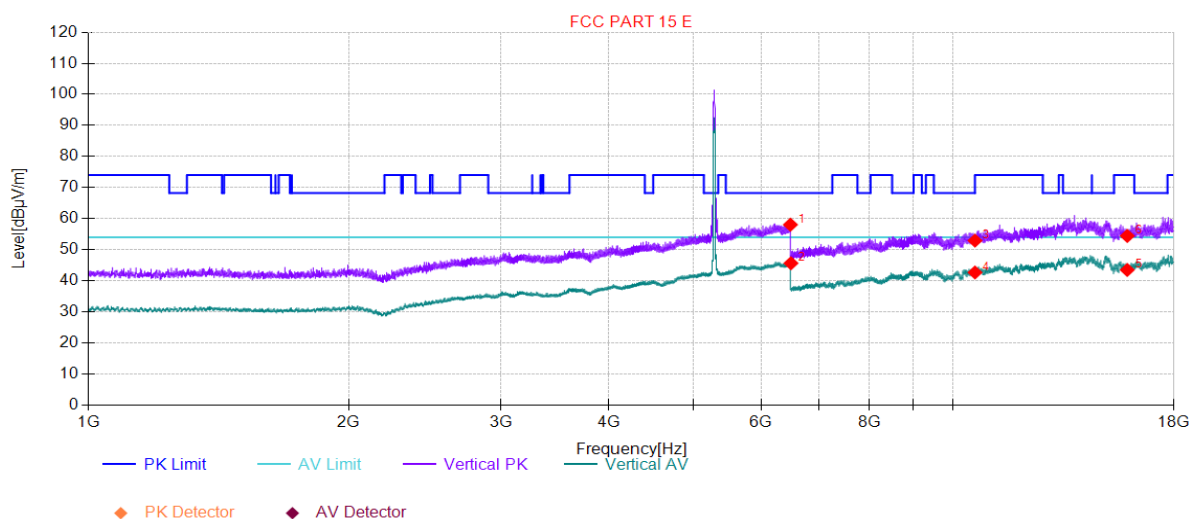
| Suspected List |             |                |             |                |             |             |            |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|------------|
| NO.            | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Polarity   |
| 1              | 6469.197    | 58.36          | 18.54       | 68.20          | 9.84        | 196         | Horizontal |
| 2              | 6476.531    | 46.03          | 18.58       | 54.00          | 7.97        | 188         | Horizontal |
| 3              | 10600.00    | 53.51          | 2.23        | 74.00          | 20.49       | 295         | Horizontal |
| 4              | 10600.00    | 42.67          | 2.23        | 54.00          | 11.33       | 181         | Horizontal |
| 5              | 15900.00    | 43.03          | 5.29        | 54.00          | 10.97       | 383         | Horizontal |
| 6              | 15900.00    | 54.65          | 5.29        | 74.00          | 19.35       | 194         | Horizontal |

#### Final Data List



### 4.9.2.10 802.11A\_Channel 60

#### Test Graph



#### Suspected List

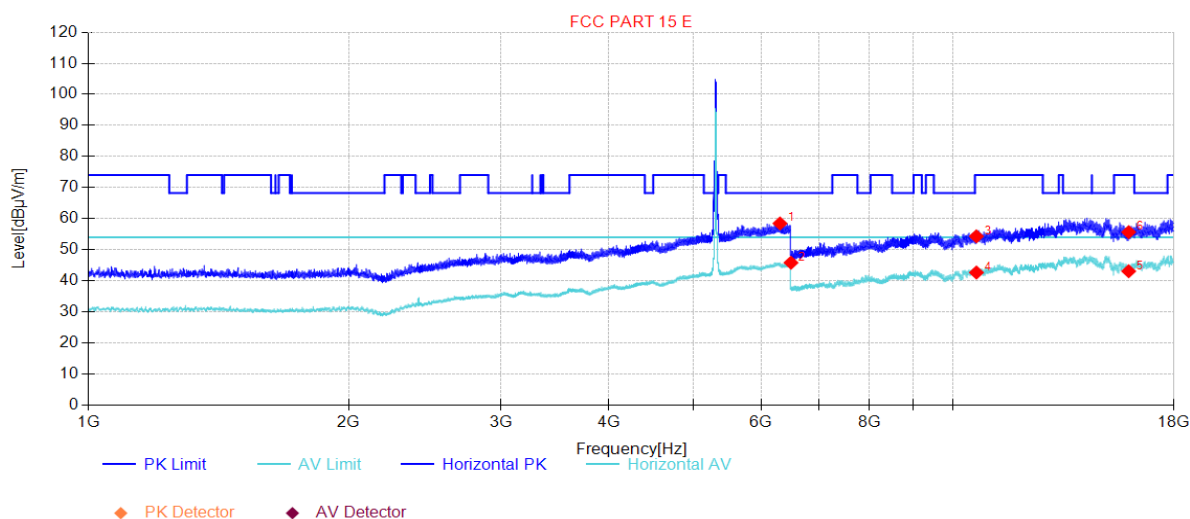
| Suspected List |             |                |             |                |             |             |          |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|----------|
| NO.            | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Polarity |
| 1              | 6484.965    | 58.03          | 18.63       | 68.20          | 10.17       | 253         | Vertical |
| 2              | 6494.132    | 45.62          | 18.68       | 54.00          | 8.38        | 190         | Vertical |
| 3              | 10600.00    | 52.90          | 2.23        | 74.00          | 21.10       | 348         | Vertical |
| 4              | 10600.00    | 42.65          | 2.23        | 54.00          | 11.35       | 365         | Vertical |
| 5              | 15900.00    | 43.46          | 5.29        | 54.00          | 10.54       | 192         | Vertical |
| 6              | 15900.00    | 54.41          | 5.29        | 74.00          | 19.59       | 216         | Vertical |

#### Final Data List



### 4.9.2.11 802.11A\_Channel 64

#### Test Graph



#### Suspected List

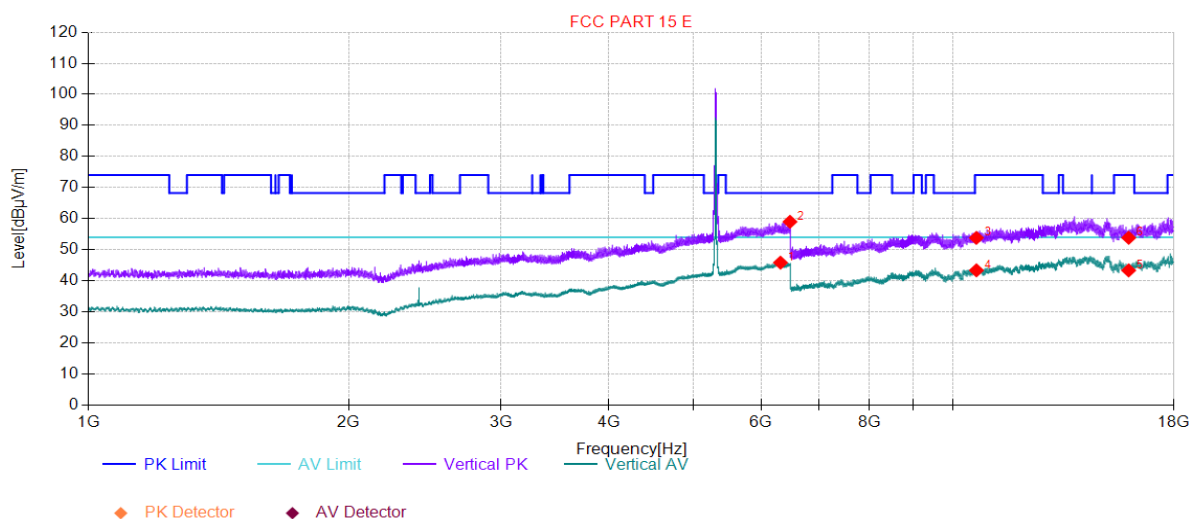
| Suspected List |             |                |             |                |             |             |            |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|------------|
| NO.            | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Polarity   |
| 1              | 6306.753    | 58.43          | 18.46       | 68.20          | 9.77        | 125         | Horizontal |
| 2              | 6494.132    | 45.78          | 18.68       | 54.00          | 8.22        | 128         | Horizontal |
| 3              | 10640.00    | 54.28          | 2.22        | 74.00          | 19.72       | 343         | Horizontal |
| 4              | 10640.00    | 42.63          | 2.22        | 54.00          | 11.37       | 170         | Horizontal |
| 5              | 15960.00    | 43.05          | 5.01        | 54.00          | 10.95       | 235         | Horizontal |
| 6              | 15960.00    | 55.63          | 5.01        | 74.00          | 18.37       | 398         | Horizontal |

#### Final Data List



### 4.9.2.12 802.11A\_Channel 64

#### Test Graph



#### Suspected List

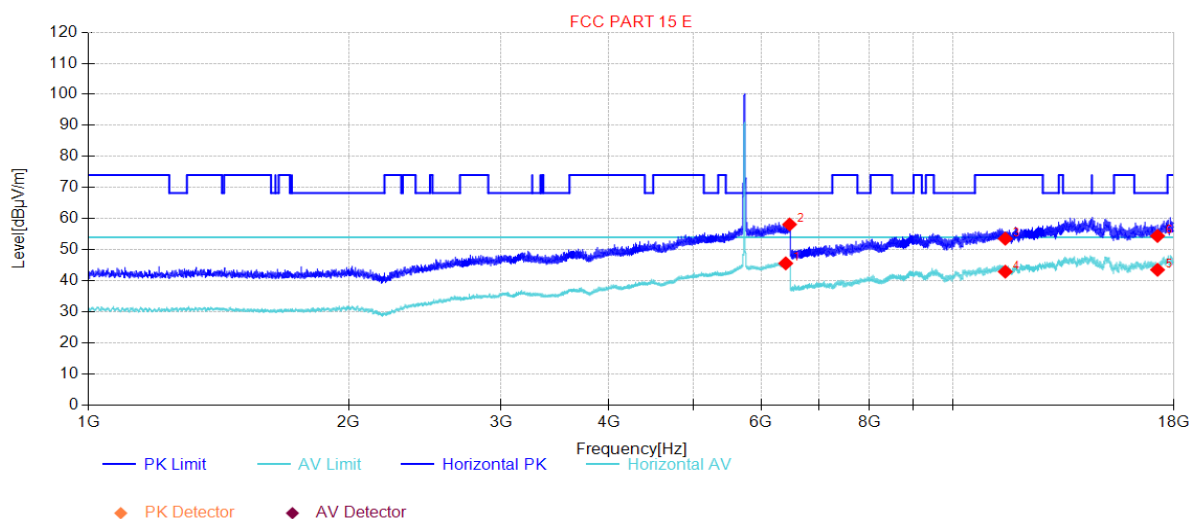
| Suspected List |             |                |             |                |             |             |          |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|----------|
| NO.            | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Polarity |
| 1              | 6314.454    | 45.80          | 18.44       | 54.00          | 8.20        | 167         | Vertical |
| 2              | 6476.531    | 58.98          | 18.58       | 68.20          | 9.22        | 381         | Vertical |
| 3              | 10640.00    | 53.80          | 2.22        | 74.00          | 20.20       | 284         | Vertical |
| 4              | 10640.00    | 43.33          | 2.22        | 54.00          | 10.67       | 116         | Vertical |
| 5              | 15960.00    | 43.31          | 5.01        | 54.00          | 10.69       | 138         | Vertical |
| 6              | 15960.00    | 53.82          | 5.01        | 74.00          | 20.18       | 127         | Vertical |

#### Final Data List



### 4.9.2.13 802.11A\_Channel 149

#### Test Graph



#### Suspected List

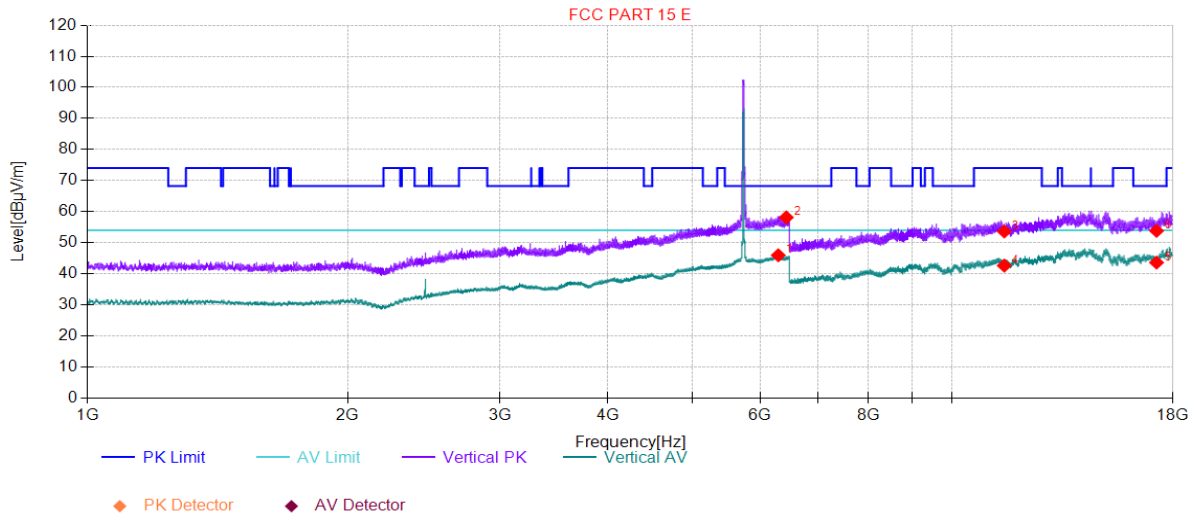
| Suspected List |             |                |             |                |             |             |            |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|------------|
| NO.            | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Polarity   |
| 1              | 6403.926    | 45.59          | 18.18       | 54.00          | 8.41        | 126         | Horizontal |
| 2              | 6469.931    | 58.12          | 18.55       | 68.20          | 10.08       | 320         | Horizontal |
| 3              | 11490.00    | 53.52          | 2.10        | 74.00          | 20.48       | 345         | Horizontal |
| 4              | 11490.00    | 42.90          | 2.10        | 54.00          | 11.10       | 369         | Horizontal |
| 5              | 17235.00    | 43.49          | 6.10        | 54.00          | 10.51       | 120         | Horizontal |
| 6              | 17235.00    | 54.40          | 6.10        | 68.20          | 13.80       | 373         | Horizontal |

#### Final Data List



### 4.9.2.14 802.11A\_Channel 149

#### Test Graph



#### Suspected List

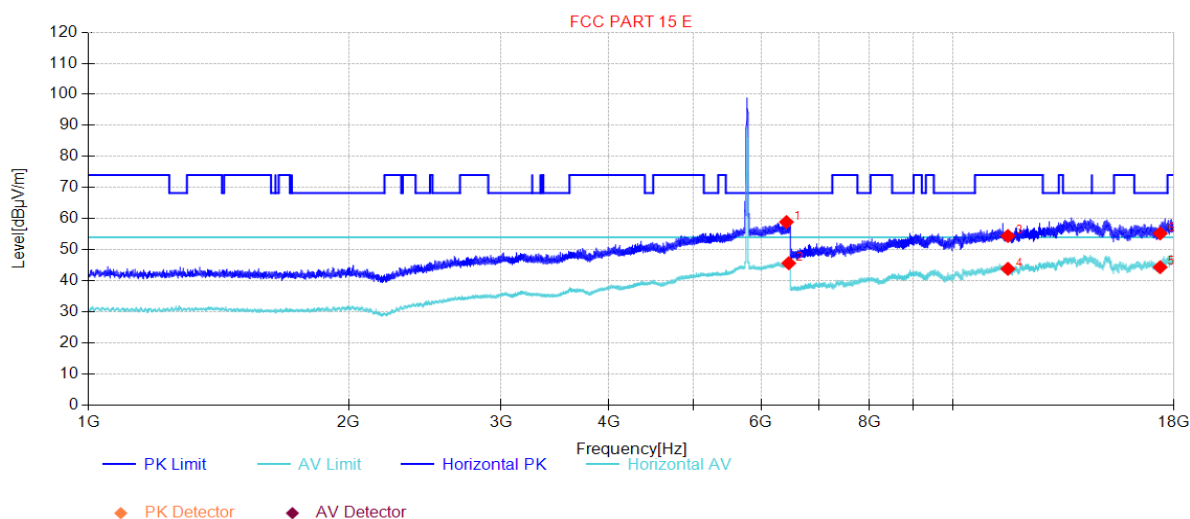
| Suspected List |             |                |             |                |             |             |          |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|----------|
| NO.            | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Polarity |
| 1              | 6294.653    | 45.92          | 18.46       | 54.00          | 8.08        | 236         | Vertical |
| 2              | 6431.062    | 58.11          | 18.33       | 68.20          | 10.09       | 305         | Vertical |
| 3              | 11490.00    | 53.59          | 2.10        | 74.00          | 20.41       | 373         | Vertical |
| 4              | 11490.00    | 42.61          | 2.10        | 54.00          | 11.39       | 120         | Vertical |
| 5              | 17235.00    | 43.58          | 6.10        | 54.00          | 10.42       | 113         | Vertical |
| 6              | 17235.00    | 53.79          | 6.10        | 68.20          | 14.41       | 142         | Vertical |

#### Final Data List



### 4.9.2.15 802.11A\_Channel 157

#### Test Graph



#### Suspected List

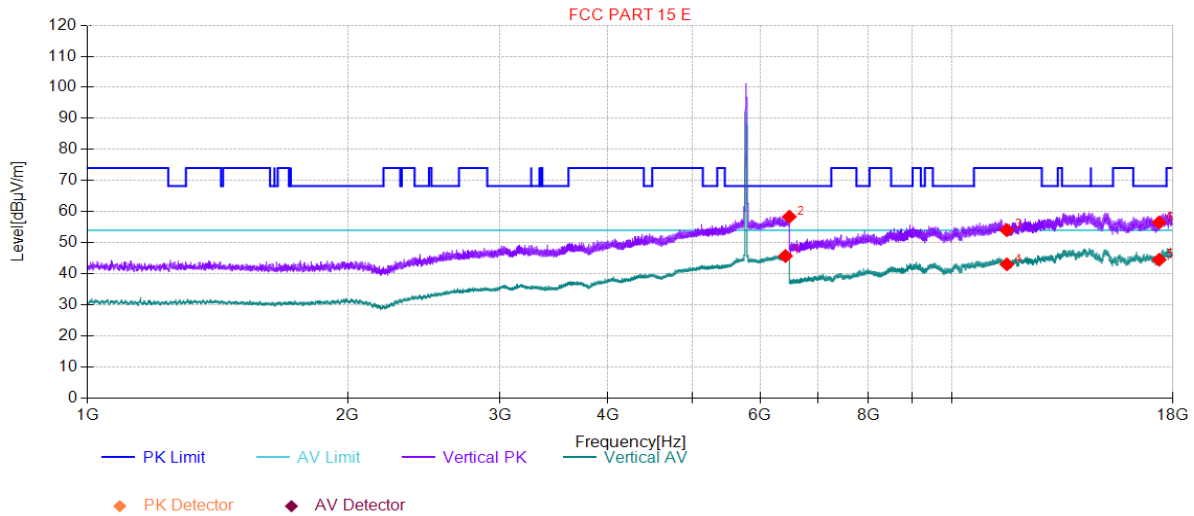
| Suspected List |             |                |             |                |             |             |            |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|------------|
| NO.            | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Polarity   |
| 1              | 6415.661    | 58.89          | 18.25       | 68.20          | 9.31        | 161         | Horizontal |
| 2              | 6455.997    | 45.62          | 18.47       | 54.00          | 8.38        | 184         | Horizontal |
| 3              | 11570.00    | 54.39          | 2.92        | 74.00          | 19.61       | 172         | Horizontal |
| 4              | 11570.00    | 43.82          | 2.92        | 54.00          | 10.18       | 364         | Horizontal |
| 5              | 17355.00    | 44.34          | 6.75        | 54.00          | 9.66        | 167         | Horizontal |
| 6              | 17355.00    | 55.20          | 6.75        | 68.20          | 13.00       | 301         | Horizontal |

#### Final Data List



### 4.9.2.16 802.11A\_Channel 157

#### Test Graph



#### Suspected List

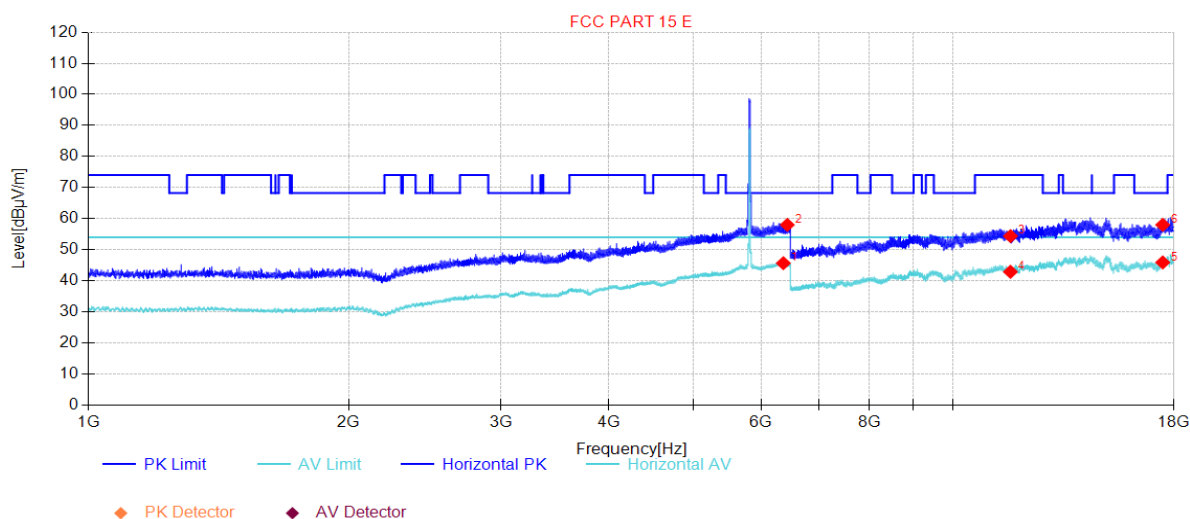
| Suspected List |             |                |             |                |             |             |          |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|----------|
| NO.            | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Polarity |
| 1              | 6416.027    | 45.68          | 18.25       | 54.00          | 8.32        | 398         | Vertical |
| 2              | 6482.765    | 58.34          | 18.62       | 68.20          | 9.86        | 235         | Vertical |
| 3              | 11570.00    | 54.02          | 2.92        | 74.00          | 19.98       | 399         | Vertical |
| 4              | 11570.00    | 43.02          | 2.92        | 54.00          | 10.98       | 363         | Vertical |
| 5              | 17355.00    | 44.50          | 6.75        | 54.00          | 9.50        | 130         | Vertical |
| 6              | 17355.00    | 56.50          | 6.75        | 68.20          | 11.70       | 272         | Vertical |

#### Final Data List



### 4.9.2.17 802.11A\_Channel 165

#### Test Graph



#### Suspected List

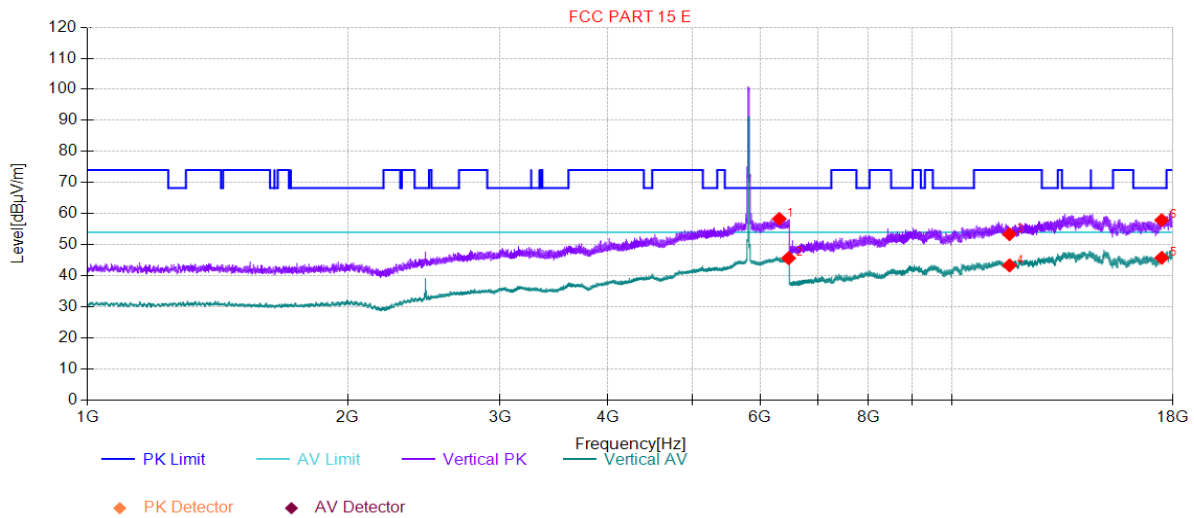
| Suspected List |             |                |             |                |             |             |            |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|------------|
| NO.            | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Polarity   |
| 1              | 6362.857    | 45.63          | 18.28       | 54.00          | 8.37        | 176         | Horizontal |
| 2              | 6430.695    | 57.97          | 18.33       | 68.20          | 10.23       | 130         | Horizontal |
| 3              | 11650.00    | 54.35          | 2.58        | 74.00          | 19.65       | 298         | Horizontal |
| 4              | 11650.00    | 42.86          | 2.58        | 54.00          | 11.14       | 228         | Horizontal |
| 5              | 17475.00    | 45.87          | 7.42        | 54.00          | 8.13        | 250         | Horizontal |
| 6              | 17475.00    | 57.98          | 7.42        | 68.20          | 10.22       | 338         | Horizontal |

#### Final Data List



### 4.9.2.18 802.11A\_Channel 165

#### Test Graph



#### Suspected List

| Suspected List |             |                |             |                |             |             |          |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|----------|
| NO.            | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Polarity |
| 1              | 6311.154    | 58.29          | 18.45       | 68.20          | 9.91        | 335         | Vertical |
| 2              | 6470.664    | 45.64          | 18.55       | 54.00          | 8.36        | 254         | Vertical |
| 3              | 11650.00    | 53.34          | 2.58        | 74.00          | 20.66       | 399         | Vertical |
| 4              | 11650.00    | 43.31          | 2.58        | 54.00          | 10.69       | 287         | Vertical |
| 5              | 17475.00    | 45.73          | 7.42        | 54.00          | 8.27        | 110         | Vertical |
| 6              | 17475.00    | 57.88          | 7.42        | 68.20          | 10.32       | 110         | Vertical |

#### Final Data List



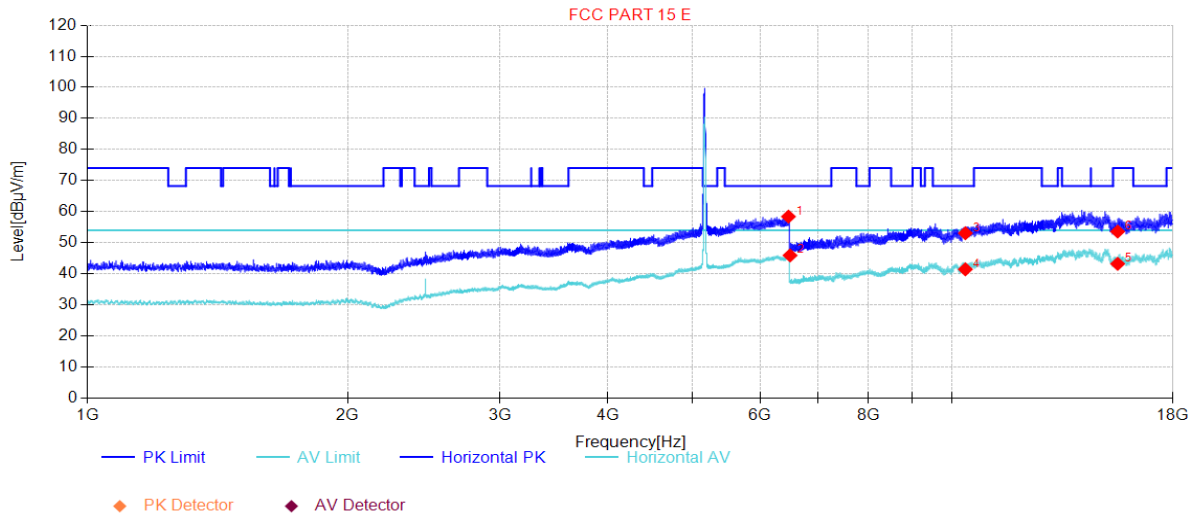
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) 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, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn  
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

### 4.9.2.19 802.11N20\_Channel 36

#### Test Graph



#### Suspected List

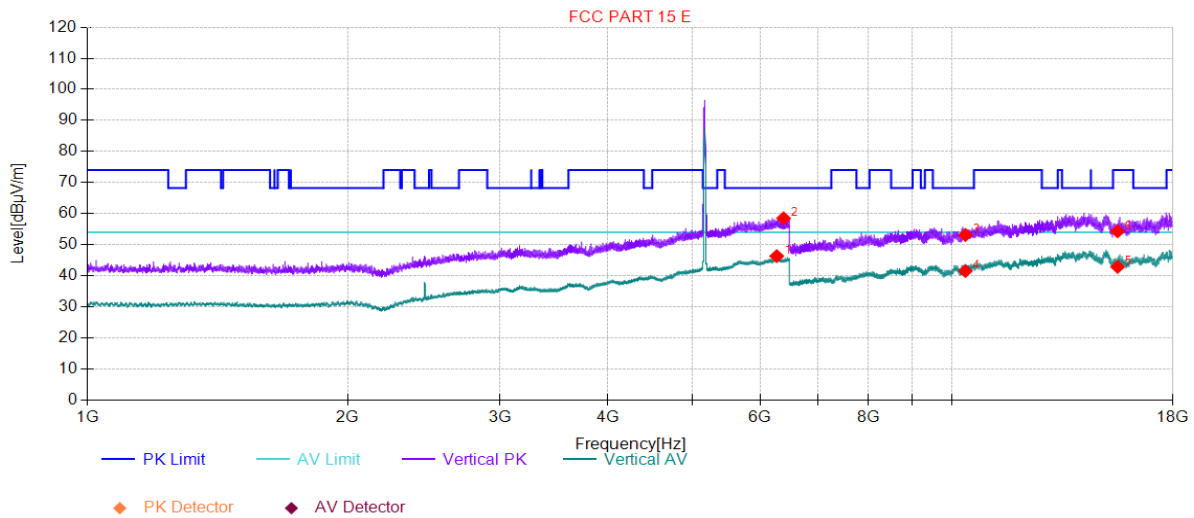
| Suspected List |             |                |             |                |             |             |            |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|------------|
| NO.            | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Polarity   |
| 1              | 6467.731    | 58.38          | 18.54       | 68.20          | 9.82        | 319         | Horizontal |
| 2              | 6495.233    | 45.88          | 18.69       | 54.00          | 8.12        | 128         | Horizontal |
| 3              | 10360.00    | 53.03          | 2.38        | 68.20          | 15.17       | 375         | Horizontal |
| 4              | 10360.00    | 41.41          | 2.38        | 54.00          | 12.59       | 170         | Horizontal |
| 5              | 15540.00    | 43.18          | 5.88        | 54.00          | 10.82       | 338         | Horizontal |
| 6              | 15540.00    | 53.57          | 5.88        | 74.00          | 20.43       | 131         | Horizontal |

#### Final Data List



### 4.9.2.20 802.11N20\_Channel 36

#### Test Graph



#### Suspected List

| Suspected List |             |                |             |                |             |             |          |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|----------|
| NO.            | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Polarity |
| 1              | 6268.251    | 46.30          | 18.33       | 54.00          | 7.70        | 190         | Vertical |
| 2              | 6384.492    | 58.47          | 18.21       | 68.20          | 9.73        | 107         | Vertical |
| 3              | 10360.00    | 53.11          | 2.38        | 68.20          | 15.09       | 364         | Vertical |
| 4              | 10360.00    | 41.52          | 2.38        | 54.00          | 12.48       | 323         | Vertical |
| 5              | 15540.00    | 42.83          | 5.88        | 54.00          | 11.17       | 216         | Vertical |
| 6              | 15540.00    | 54.30          | 5.88        | 74.00          | 19.70       | 116         | Vertical |

#### Final Data List



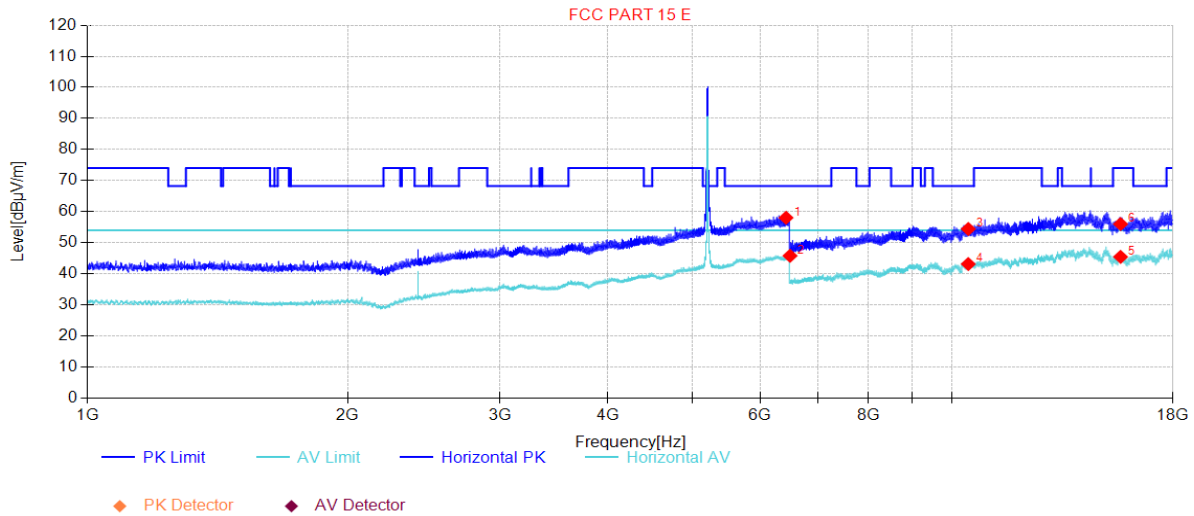
SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch (CMA, CNAS, CECC Laboratory)

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 <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) 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, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn  
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

### 4.9.2.21 802.11N20\_Channel 44

#### Test Graph



#### Suspected List

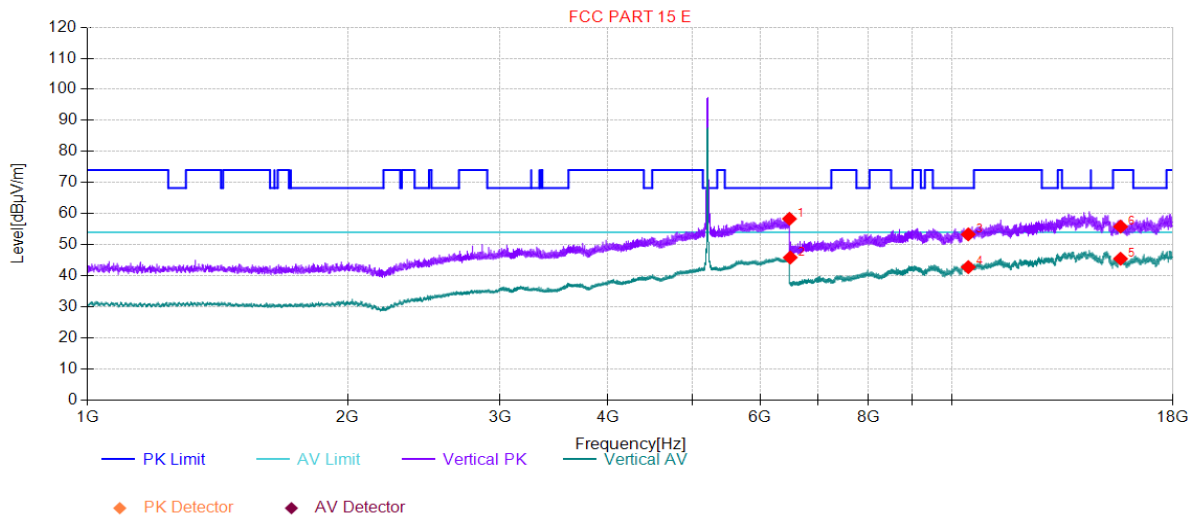
| Suspected List |             |                |             |                |             |             |            |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|------------|
| NO.            | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Polarity   |
| 1              | 6425.561    | 58.00          | 18.30       | 68.20          | 10.20       | 198         | Horizontal |
| 2              | 6494.499    | 45.76          | 18.68       | 54.00          | 8.24        | 254         | Horizontal |
| 3              | 10440.00    | 54.40          | 2.46        | 68.20          | 13.80       | 349         | Horizontal |
| 4              | 10440.00    | 43.10          | 2.46        | 54.00          | 10.90       | 275         | Horizontal |
| 5              | 15660.00    | 45.42          | 6.12        | 54.00          | 8.58        | 372         | Horizontal |
| 6              | 15660.00    | 55.98          | 6.12        | 74.00          | 18.02       | 396         | Horizontal |

#### Final Data List



### 4.9.2.22 802.11N20\_Channel 44

#### Test Graph



#### Suspected List

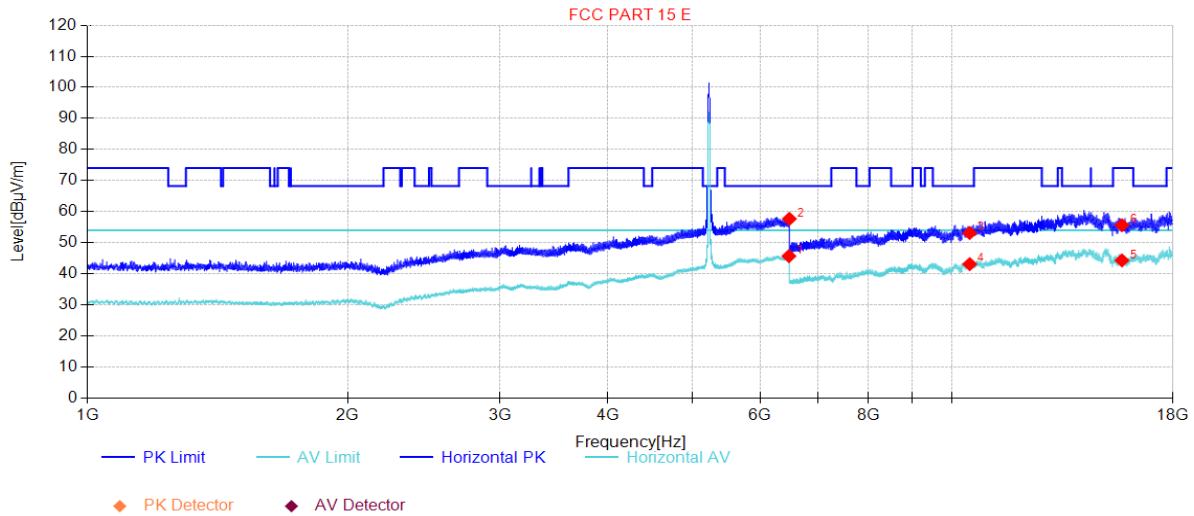
| Suspected List |             |                |             |                |             |             |          |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|----------|
| NO.            | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Polarity |
| 1              | 6484.965    | 58.32          | 18.63       | 68.20          | 9.88        | 193         | Vertical |
| 2              | 6498.533    | 45.85          | 18.71       | 54.00          | 8.15        | 143         | Vertical |
| 3              | 10440.00    | 53.31          | 2.46        | 68.20          | 14.89       | 118         | Vertical |
| 4              | 10440.00    | 42.77          | 2.46        | 54.00          | 11.23       | 189         | Vertical |
| 5              | 15660.00    | 45.46          | 6.12        | 54.00          | 8.54        | 105         | Vertical |
| 6              | 15660.00    | 55.80          | 6.12        | 74.00          | 18.20       | 115         | Vertical |

#### Final Data List



### 4.9.2.23 802.11N20\_Channel 48

#### Test Graph



#### Suspected List

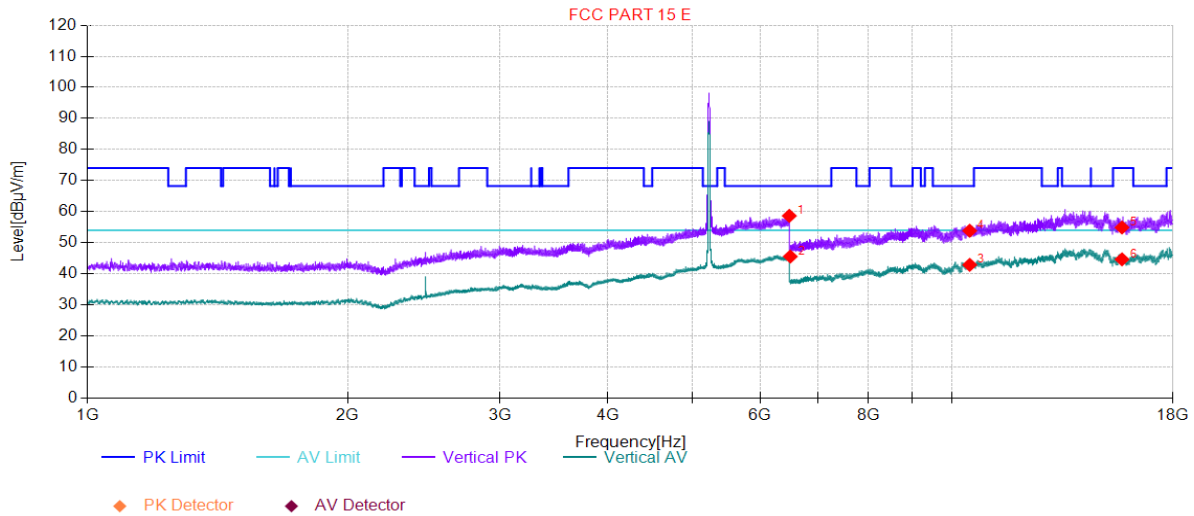
| Suspected List |             |                |             |                |             |             |            |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|------------|
| NO.            | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Polarity   |
| 1              | 6475.065    | 45.66          | 18.58       | 54.00          | 8.34        | 116         | Horizontal |
| 2              | 6484.232    | 57.66          | 18.63       | 68.20          | 10.54       | 373         | Horizontal |
| 3              | 10480.00    | 53.11          | 2.49        | 68.20          | 15.09       | 154         | Horizontal |
| 4              | 10480.00    | 43.07          | 2.49        | 54.00          | 10.93       | 152         | Horizontal |
| 5              | 15720.00    | 44.27          | 5.92        | 54.00          | 9.73        | 116         | Horizontal |
| 6              | 15720.00    | 55.62          | 5.92        | 74.00          | 18.38       | 111         | Horizontal |

#### Final Data List



### 4.9.2.24 802.11N20\_Channel 48

#### Test Graph



#### Suspected List

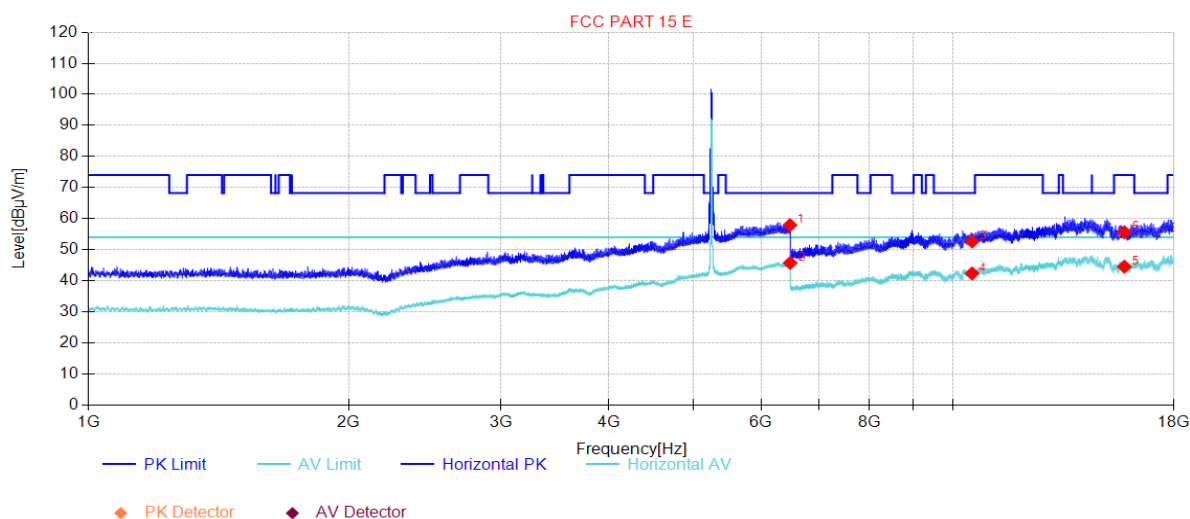
| Suspected List |             |                |             |                |             |             |          |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|----------|
| NO.            | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Polarity |
| 1              | 6483.132    | 58.62          | 18.62       | 68.20          | 9.58        | 112         | Vertical |
| 2              | 6500.000    | 45.53          | 18.72       | 54.00          | 8.47        | 143         | Vertical |
| 3              | 10480.00    | 42.85          | 2.49        | 54.00          | 11.15       | 328         | Vertical |
| 4              | 10480.00    | 53.83          | 2.49        | 68.20          | 14.37       | 187         | Vertical |
| 5              | 15720.00    | 54.87          | 5.92        | 74.00          | 19.13       | 168         | Vertical |
| 6              | 15720.00    | 44.61          | 5.92        | 54.00          | 9.39        | 341         | Vertical |

#### Final Data List



### 4.9.2.25 802.11N20\_Channel 52

#### Test Graph



#### Suspected List

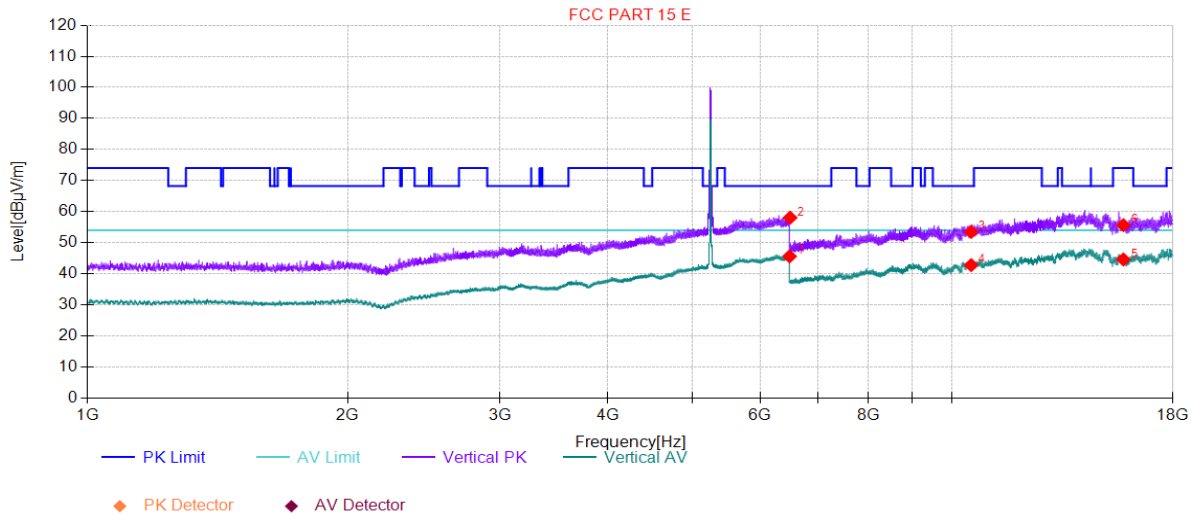
| Suspected List |             |                |             |                |             |             |            |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|------------|
| NO.            | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Polarity   |
| 1              | 6476.898    | 57.89          | 18.59       | 68.20          | 10.31       | 295         | Horizontal |
| 2              | 6479.465    | 45.71          | 18.60       | 54.00          | 8.29        | 139         | Horizontal |
| 3              | 10520.00    | 52.62          | 2.45        | 68.20          | 15.58       | 231         | Horizontal |
| 4              | 10520.00    | 42.34          | 2.45        | 54.00          | 11.66       | 180         | Horizontal |
| 5              | 15780.00    | 44.51          | 5.30        | 54.00          | 9.49        | 256         | Horizontal |
| 6              | 15780.00    | 55.59          | 5.30        | 74.00          | 18.41       | 377         | Horizontal |

#### Final Data List



### 4.9.2.26 802.11N20\_Channel 52

#### Test Graph



#### Suspected List

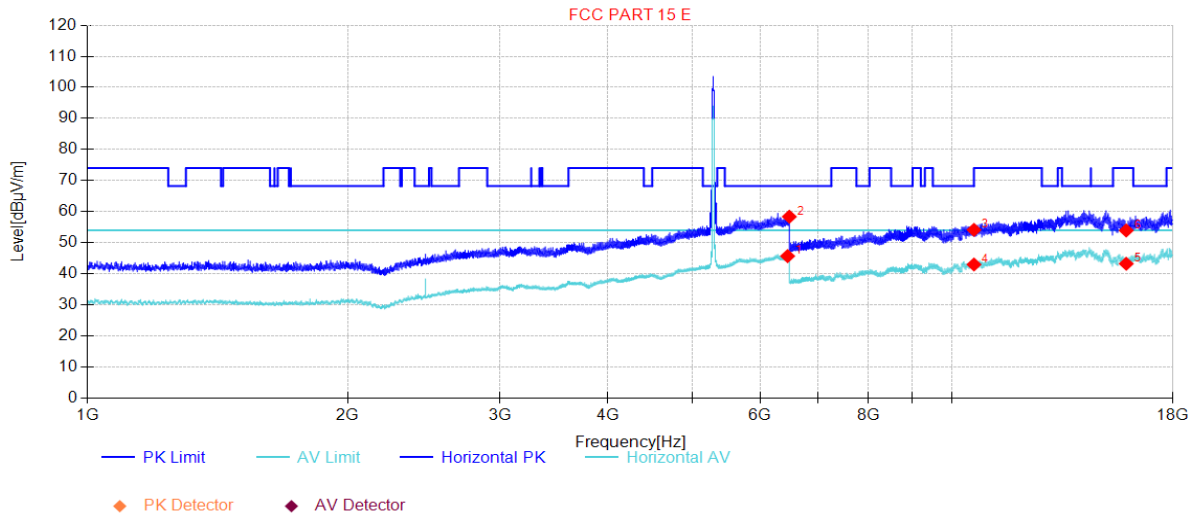
| Suspected List |             |                |             |                |             |             |          |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|----------|
| NO.            | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Polarity |
| 1              | 6486.799    | 45.59          | 18.64       | 54.00          | 8.41        | 339         | Vertical |
| 2              | 6495.966    | 58.03          | 18.69       | 68.20          | 10.17       | 331         | Vertical |
| 3              | 10520.00    | 53.45          | 2.45        | 68.20          | 14.75       | 154         | Vertical |
| 4              | 10520.00    | 42.76          | 2.45        | 54.00          | 11.24       | 126         | Vertical |
| 5              | 15780.00    | 44.58          | 5.30        | 54.00          | 9.42        | 390         | Vertical |
| 6              | 15780.00    | 55.65          | 5.30        | 74.00          | 18.35       | 333         | Vertical |

#### Final Data List



### 4.9.2.27 802.11N20\_Channel 60

#### Test Graph



#### Suspected List

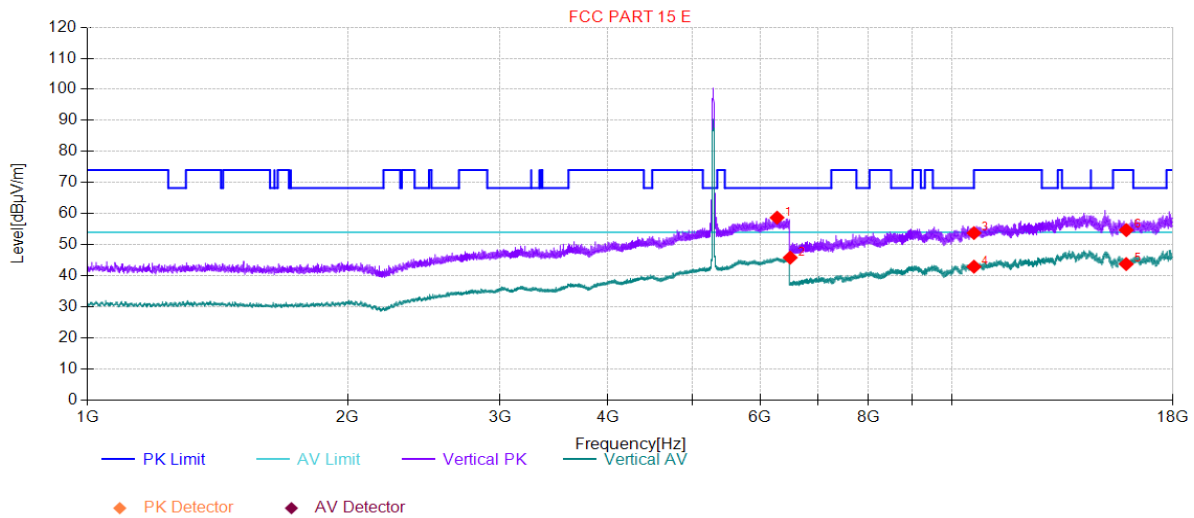
| Suspected List |             |                |             |                |             |             |            |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|------------|
| NO.            | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Polarity   |
| 1              | 6452.696    | 45.66          | 18.45       | 54.00          | 8.34        | 264         | Horizontal |
| 2              | 6482.765    | 58.36          | 18.62       | 68.20          | 9.84        | 189         | Horizontal |
| 3              | 10600.00    | 54.12          | 2.23        | 74.00          | 19.88       | 212         | Horizontal |
| 4              | 10600.00    | 42.96          | 2.23        | 54.00          | 11.04       | 323         | Horizontal |
| 5              | 15900.00    | 43.20          | 5.29        | 54.00          | 10.80       | 203         | Horizontal |
| 6              | 15900.00    | 53.92          | 5.29        | 74.00          | 20.08       | 230         | Horizontal |

#### Final Data List



### 4.9.2.28 802.11N20\_Channel 60

#### Test Graph



#### Suspected List

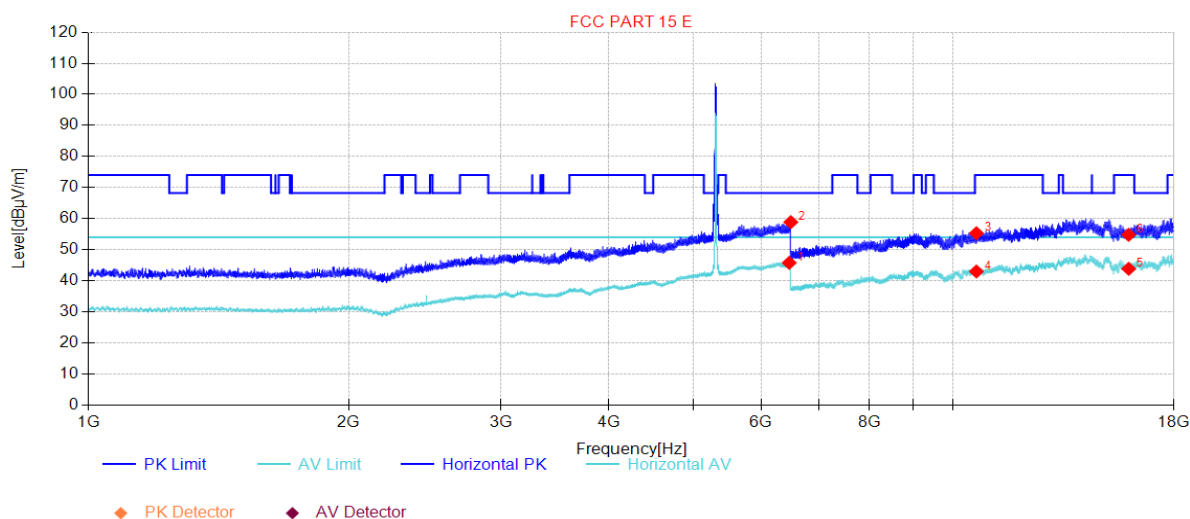
| Suspected List |             |                |             |                |             |             |          |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|----------|
| NO.            | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Polarity |
| 1              | 6274.118    | 58.69          | 18.36       | 68.20          | 9.51        | 316         | Vertical |
| 2              | 6498.166    | 45.82          | 18.70       | 54.00          | 8.18        | 288         | Vertical |
| 3              | 10600.00    | 53.73          | 2.23        | 74.00          | 20.27       | 174         | Vertical |
| 4              | 10600.00    | 42.90          | 2.23        | 54.00          | 11.10       | 150         | Vertical |
| 5              | 15900.00    | 43.74          | 5.29        | 54.00          | 10.26       | 280         | Vertical |
| 6              | 15900.00    | 54.68          | 5.29        | 74.00          | 19.32       | 217         | Vertical |

#### Final Data List



### 4.9.2.29 802.11N20\_Channel 64

#### Test Graph



#### Suspected List

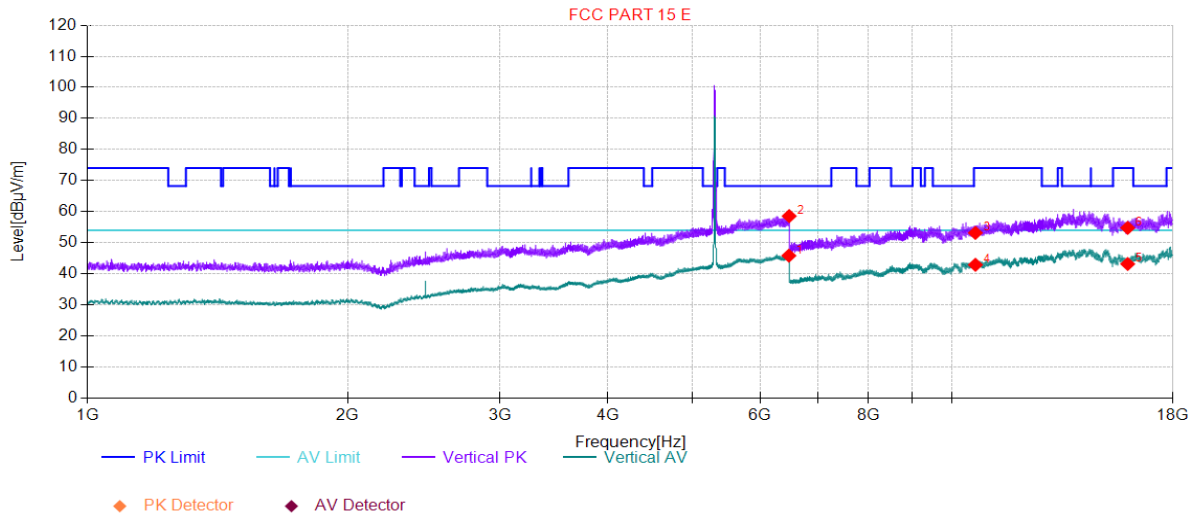
| Suspected List |             |                |             |                |             |             |            |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|------------|
| NO.            | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Polarity   |
| 1              | 6463.697    | 45.74          | 18.51       | 54.00          | 8.26        | 344         | Horizontal |
| 2              | 6491.566    | 58.85          | 18.67       | 68.20          | 9.35        | 372         | Horizontal |
| 3              | 10640.00    | 55.28          | 2.22        | 74.00          | 18.72       | 123         | Horizontal |
| 4              | 10640.00    | 42.96          | 2.22        | 54.00          | 11.04       | 132         | Horizontal |
| 5              | 15960.00    | 43.83          | 5.01        | 54.00          | 10.17       | 250         | Horizontal |
| 6              | 15960.00    | 54.78          | 5.01        | 74.00          | 19.22       | 352         | Horizontal |

#### Final Data List



### 4.9.2.30 802.11N20\_Channel 64

#### Test Graph



#### Suspected List

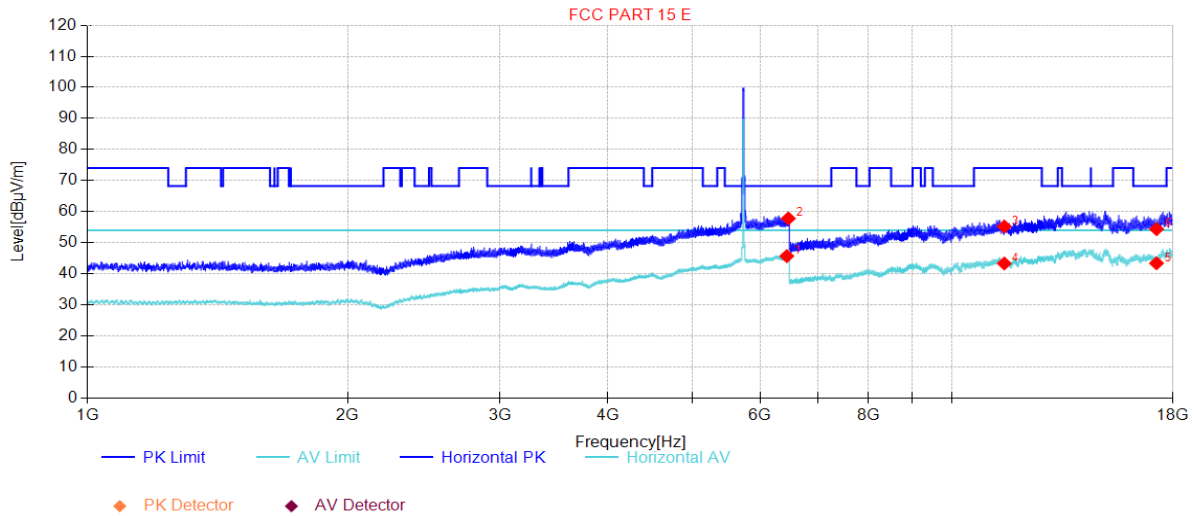
| Suspected List |             |                |             |                |             |             |          |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|----------|
| NO.            | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Polarity |
| 1              | 6475.065    | 45.80          | 18.58       | 54.00          | 8.20        | 181         | Vertical |
| 2              | 6479.832    | 58.54          | 18.60       | 68.20          | 9.66        | 297         | Vertical |
| 3              | 10640.00    | 53.13          | 2.22        | 74.00          | 20.87       | 182         | Vertical |
| 4              | 10640.00    | 42.86          | 2.22        | 54.00          | 11.14       | 249         | Vertical |
| 5              | 15960.00    | 43.13          | 5.01        | 54.00          | 10.87       | 209         | Vertical |
| 6              | 15960.00    | 54.75          | 5.01        | 74.00          | 19.25       | 130         | Vertical |

#### Final Data List



### 4.9.2.31 802.11N20\_Channel 149

#### Test Graph



#### Suspected List

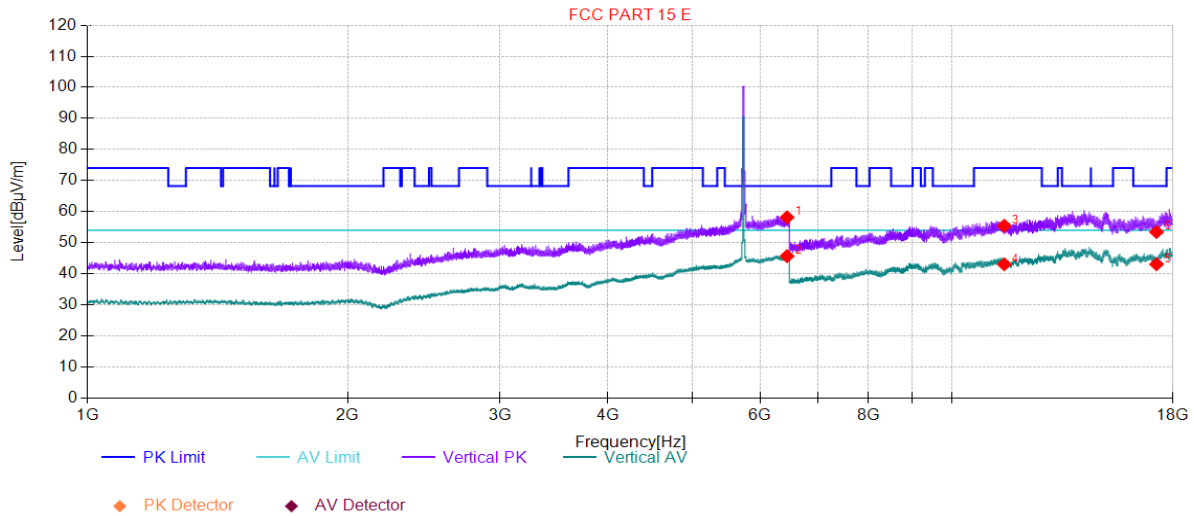
| Suspected List |             |                |             |                |             |             |            |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|------------|
| NO.            | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Polarity   |
| 1              | 6440.229    | 45.66          | 18.38       | 54.00          | 8.34        | 310         | Horizontal |
| 2              | 6465.164    | 57.78          | 18.52       | 68.20          | 10.42       | 247         | Horizontal |
| 3              | 11490.00    | 55.17          | 2.10        | 74.00          | 18.83       | 170         | Horizontal |
| 4              | 11490.00    | 43.28          | 2.10        | 54.00          | 10.72       | 378         | Horizontal |
| 5              | 17235.00    | 43.36          | 6.10        | 54.00          | 10.64       | 206         | Horizontal |
| 6              | 17235.00    | 54.35          | 6.10        | 68.20          | 13.85       | 103         | Horizontal |

#### Final Data List



### 4.9.2.32 802.11N20\_Channel 149

#### Test Graph



#### Suspected List

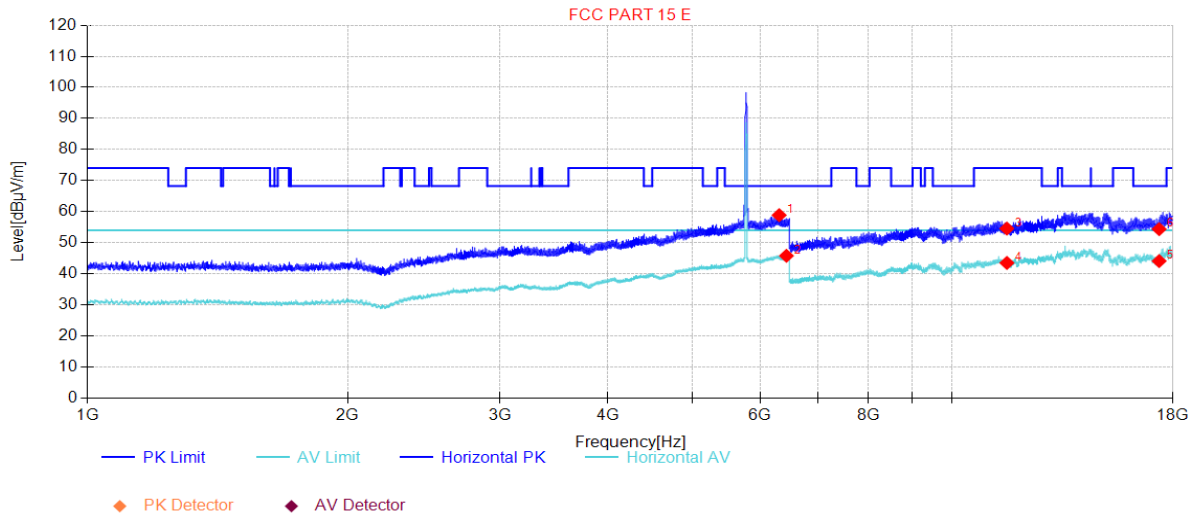
| Suspected List |             |                |             |                |             |             |          |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|----------|
| NO.            | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Polarity |
| 1              | 6443.529    | 58.14          | 18.40       | 68.20          | 10.06       | 195         | Vertical |
| 2              | 6443.529    | 45.65          | 18.40       | 54.00          | 8.35        | 151         | Vertical |
| 3              | 11490.00    | 55.40          | 2.10        | 74.00          | 18.60       | 234         | Vertical |
| 4              | 11490.00    | 43.02          | 2.10        | 54.00          | 10.98       | 334         | Vertical |
| 5              | 17235.00    | 43.05          | 6.10        | 54.00          | 10.95       | 174         | Vertical |
| 6              | 17235.00    | 53.42          | 6.10        | 68.20          | 14.78       | 310         | Vertical |

#### Final Data List



### 4.9.2.33 802.11N20\_Channel 157

#### Test Graph



#### Suspected List

| Suspected List |             |                |             |                |             |             |            |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|------------|
| NO.            | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Polarity   |
| 1              | 6309.687    | 58.84          | 18.45       | 68.20          | 9.36        | 227         | Horizontal |
| 2              | 6432.895    | 45.75          | 18.34       | 54.00          | 8.25        | 276         | Horizontal |
| 3              | 11570.00    | 54.53          | 2.92        | 74.00          | 19.47       | 178         | Horizontal |
| 4              | 11570.00    | 43.46          | 2.92        | 54.00          | 10.54       | 272         | Horizontal |
| 5              | 17355.00    | 44.07          | 6.75        | 54.00          | 9.93        | 290         | Horizontal |
| 6              | 17355.00    | 54.34          | 6.75        | 68.20          | 13.86       | 185         | Horizontal |

#### Final Data List



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

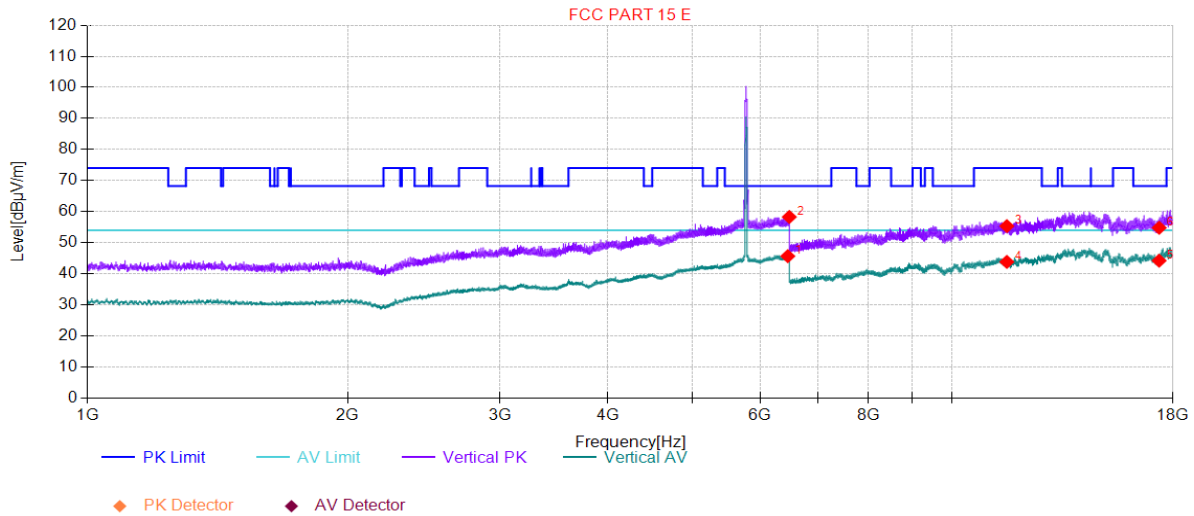
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn  
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

### 4.9.2.34 802.11N20\_Channel 157

#### Test Graph



#### Suspected List

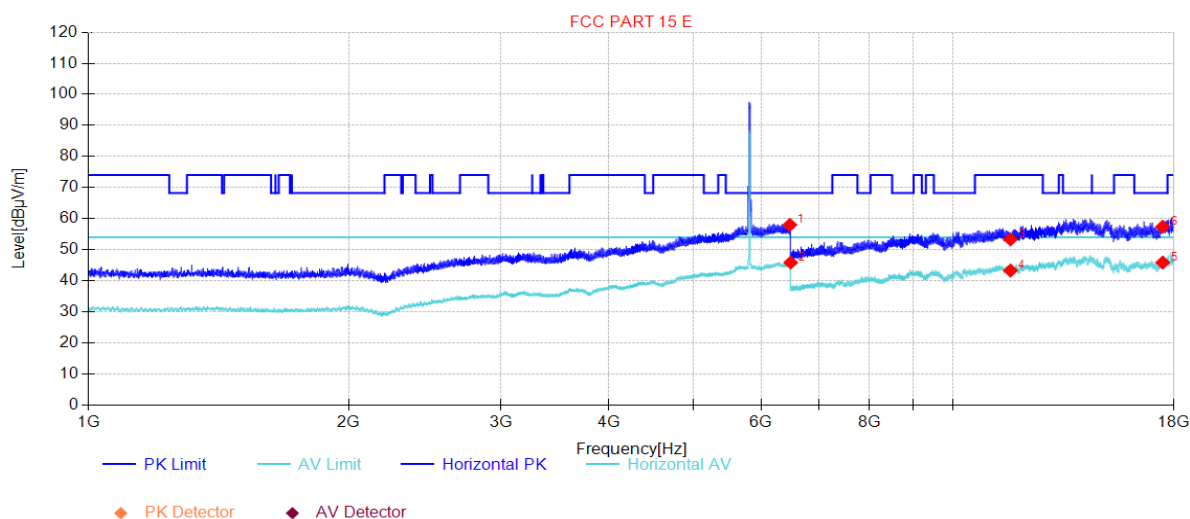
| Suspected List |             |                |             |                |             |             |          |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|----------|
| NO.            | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Polarity |
| 1              | 6455.997    | 45.63          | 18.47       | 54.00          | 8.37        | 272         | Vertical |
| 2              | 6482.032    | 58.26          | 18.62       | 68.20          | 9.94        | 283         | Vertical |
| 3              | 11570.00    | 55.32          | 2.92        | 74.00          | 18.68       | 182         | Vertical |
| 4              | 11570.00    | 43.80          | 2.92        | 54.00          | 10.20       | 329         | Vertical |
| 5              | 17355.00    | 44.19          | 6.75        | 54.00          | 9.81        | 254         | Vertical |
| 6              | 17355.00    | 54.78          | 6.75        | 68.20          | 13.42       | 336         | Vertical |

#### Final Data List



### 4.9.2.35 802.11N20\_Channel 165

#### Test Graph



#### Suspected List

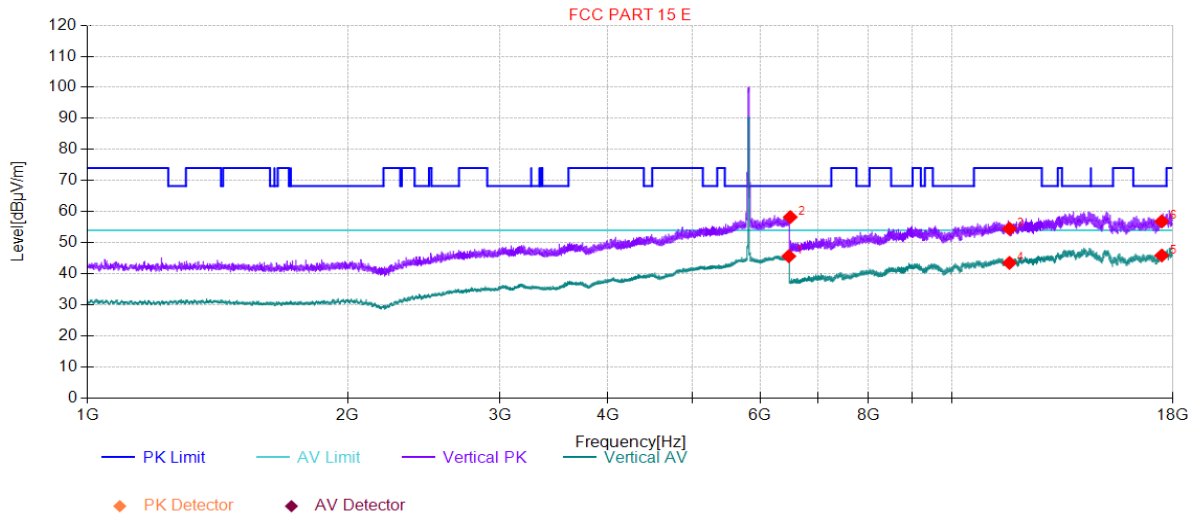
| Suspected List |             |                |             |                |             |             |            |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|------------|
| NO.            | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Polarity   |
| 1              | 6474.331    | 57.98          | 18.57       | 68.20          | 10.22       | 239         | Horizontal |
| 2              | 6488.999    | 45.84          | 18.65       | 54.00          | 8.16        | 185         | Horizontal |
| 3              | 11650.00    | 53.31          | 2.58        | 74.00          | 20.69       | 246         | Horizontal |
| 4              | 11650.00    | 43.27          | 2.58        | 54.00          | 10.73       | 124         | Horizontal |
| 5              | 17475.00    | 45.84          | 7.42        | 54.00          | 8.16        | 322         | Horizontal |
| 6              | 17475.00    | 57.41          | 7.42        | 68.20          | 10.79       | 246         | Horizontal |

#### Final Data List



### 4.9.2.36 802.11N20\_Channel 165

#### Test Graph



#### Suspected List

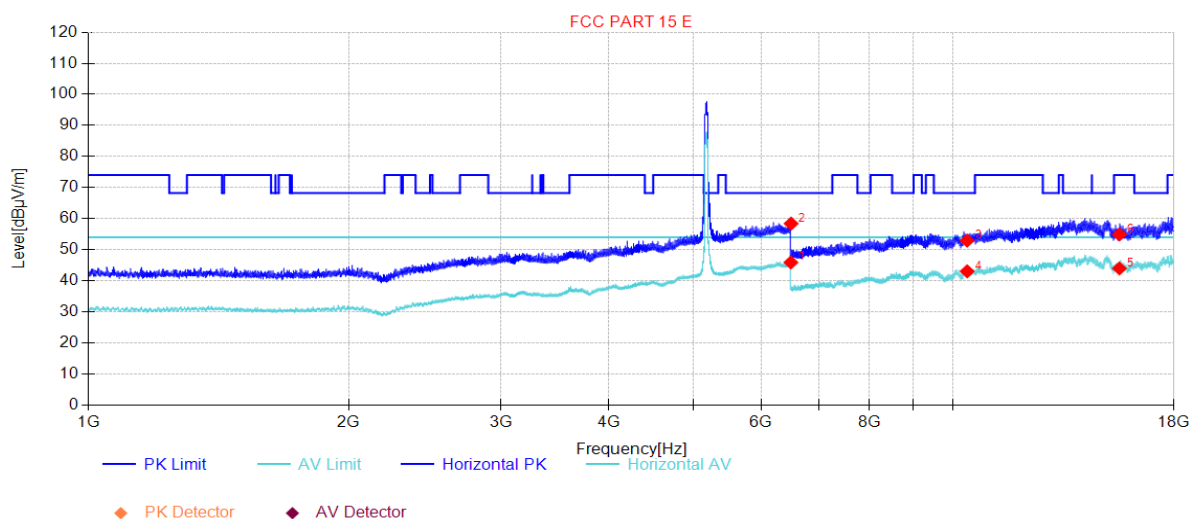
| Suspected List |             |                |             |                |             |             |          |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|----------|
| NO.            | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Polarity |
| 1              | 6473.598    | 45.63          | 18.57       | 54.00          | 8.37        | 348         | Vertical |
| 2              | 6498.899    | 58.22          | 18.71       | 68.20          | 9.98        | 294         | Vertical |
| 3              | 11650.00    | 54.47          | 2.58        | 74.00          | 19.53       | 309         | Vertical |
| 4              | 11650.00    | 43.47          | 2.58        | 54.00          | 10.53       | 141         | Vertical |
| 5              | 17475.00    | 45.85          | 7.42        | 54.00          | 8.15        | 110         | Vertical |
| 6              | 17475.00    | 56.84          | 7.42        | 68.20          | 11.36       | 109         | Vertical |

#### Final Data List



### 4.9.2.37 802.11N40\_Channel 38

#### Test Graph



#### Suspected List

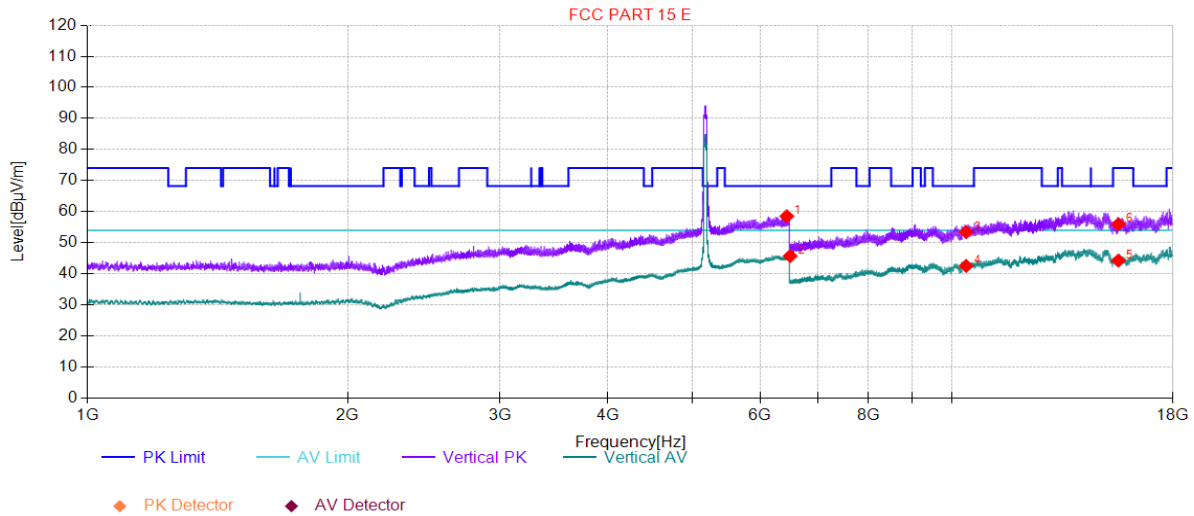
| Suspected List |             |                |             |                |             |             |            |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|------------|
| NO.            | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Polarity   |
| 1              | 6492.666    | 45.88          | 18.67       | 54.00          | 8.12        | 230         | Horizontal |
| 2              | 6495.966    | 58.39          | 18.69       | 68.20          | 9.81        | 294         | Horizontal |
| 3              | 10380.00    | 52.91          | 2.40        | 68.20          | 15.29       | 243         | Horizontal |
| 4              | 10380.00    | 43.01          | 2.40        | 54.00          | 10.99       | 144         | Horizontal |
| 5              | 15570.00    | 43.95          | 6.00        | 54.00          | 10.05       | 363         | Horizontal |
| 6              | 15570.00    | 54.87          | 6.00        | 74.00          | 19.13       | 157         | Horizontal |

#### Final Data List



### 4.9.2.38 802.11N40\_Channel 38

#### Test Graph



#### Suspected List

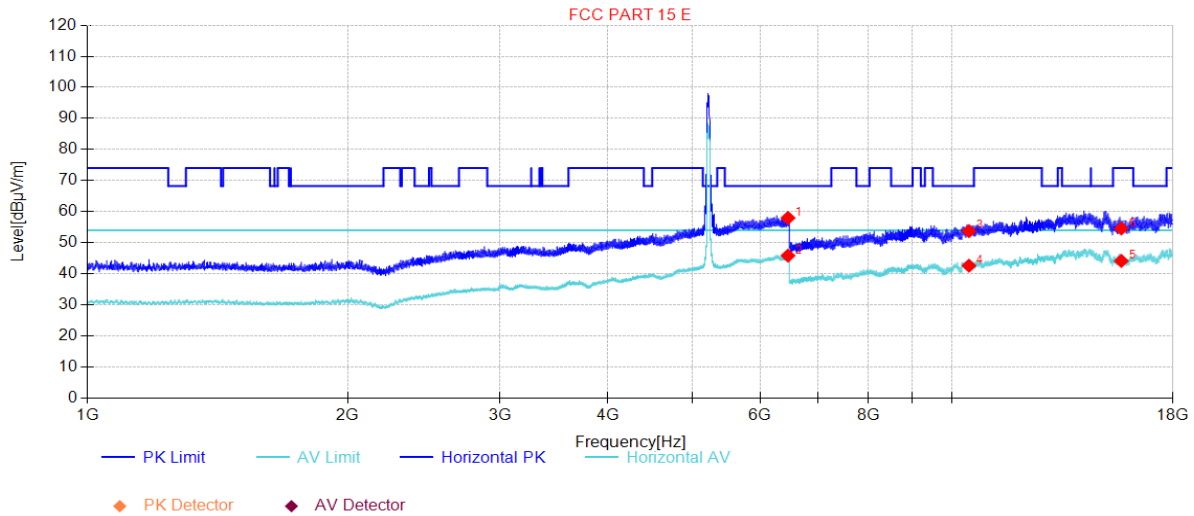
| Suspected List |             |                |             |                |             |             |          |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|----------|
| NO.            | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Polarity |
| 1              | 6439.129    | 58.50          | 18.38       | 68.20          | 9.70        | 146         | Vertical |
| 2              | 6497.799    | 45.68          | 18.70       | 54.00          | 8.32        | 297         | Vertical |
| 3              | 10380.00    | 53.39          | 2.40        | 68.20          | 14.81       | 104         | Vertical |
| 4              | 10380.00    | 42.49          | 2.40        | 54.00          | 11.51       | 360         | Vertical |
| 5              | 15570.00    | 44.21          | 6.00        | 54.00          | 9.79        | 125         | Vertical |
| 6              | 15570.00    | 55.95          | 6.00        | 74.00          | 18.05       | 321         | Vertical |

#### Final Data List



### 4.9.2.39 802.11N40\_Channel 46

#### Test Graph



#### Suspected List

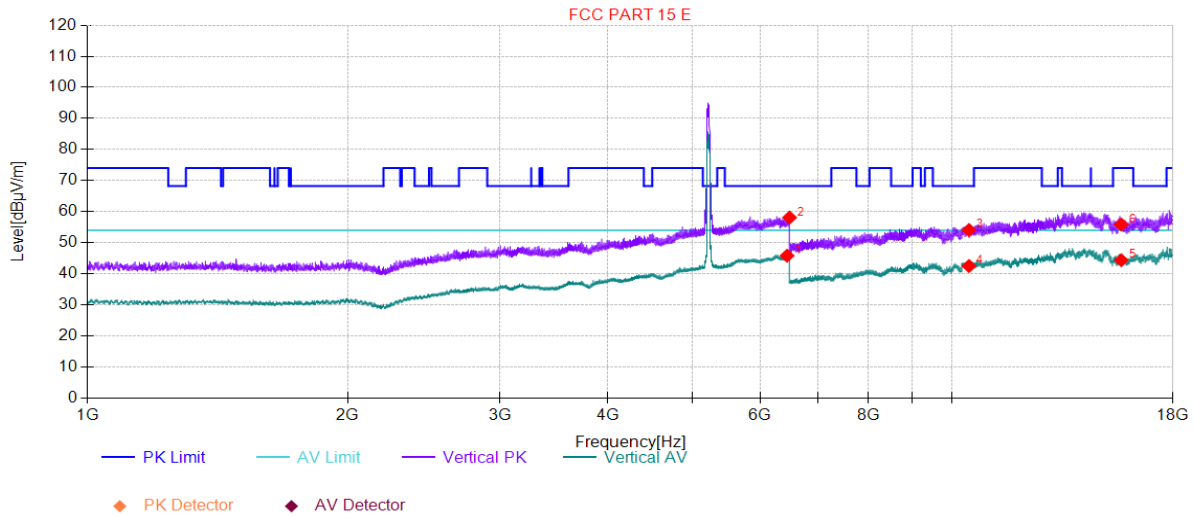
| Suspected List |             |                |             |                |             |             |            |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|------------|
| NO.            | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Polarity   |
| 1              | 6459.664    | 57.95          | 18.49       | 68.20          | 10.25       | 150         | Horizontal |
| 2              | 6459.664    | 45.81          | 18.49       | 54.00          | 8.19        | 358         | Horizontal |
| 3              | 10460.00    | 53.71          | 2.47        | 68.20          | 14.49       | 369         | Horizontal |
| 4              | 10460.00    | 42.57          | 2.47        | 54.00          | 11.43       | 388         | Horizontal |
| 5              | 15690.00    | 44.11          | 6.13        | 54.00          | 9.89        | 118         | Horizontal |
| 6              | 15690.00    | 54.55          | 6.13        | 74.00          | 19.45       | 339         | Horizontal |

#### Final Data List



### 4.9.2.40 802.11N40\_Channel 46

#### Test Graph



#### Suspected List

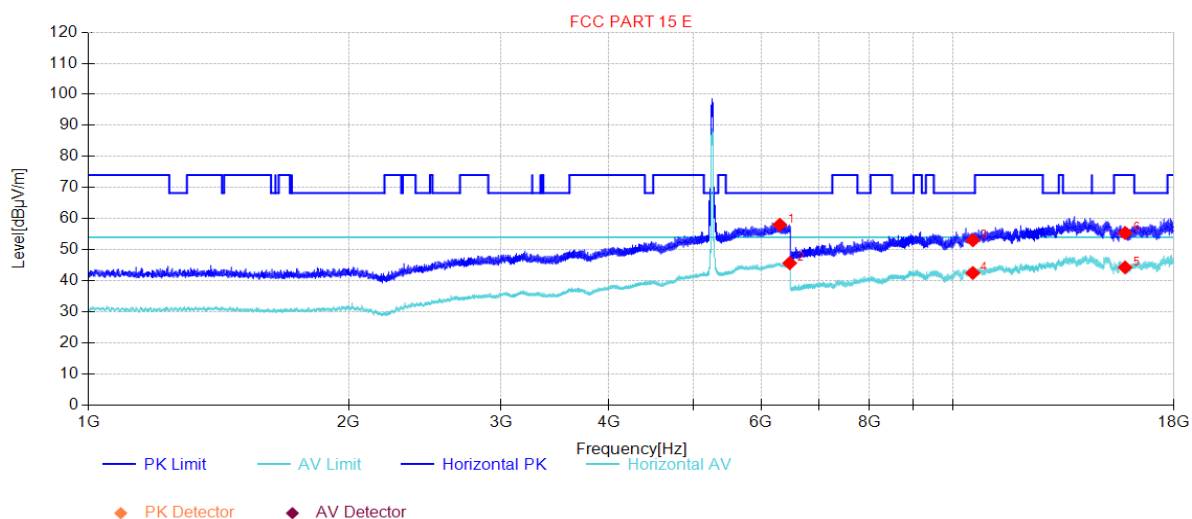
| Suspected List |             |                |             |                |             |             |          |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|----------|
| NO.            | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Polarity |
| 1              | 6443.162    | 45.79          | 18.40       | 54.00          | 8.21        | 345         | Vertical |
| 2              | 6486.432    | 58.08          | 18.64       | 68.20          | 10.12       | 212         | Vertical |
| 3              | 10460.00    | 54.07          | 2.47        | 68.20          | 14.13       | 159         | Vertical |
| 4              | 10460.00    | 42.46          | 2.47        | 54.00          | 11.54       | 193         | Vertical |
| 5              | 15690.00    | 44.33          | 6.13        | 54.00          | 9.67        | 239         | Vertical |
| 6              | 15690.00    | 55.84          | 6.13        | 74.00          | 18.16       | 154         | Vertical |

#### Final Data List



### 4.9.2.41 802.11N40\_Channel 54

#### Test Graph



#### Suspected List

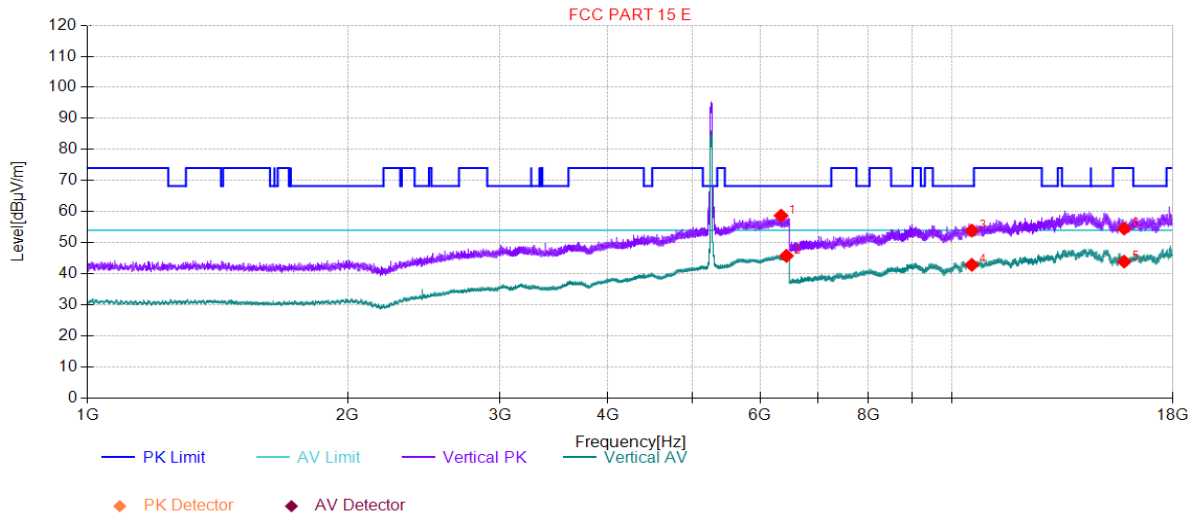
| Suspected List |             |                |             |                |             |             |            |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|------------|
| NO.            | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Polarity   |
| 1              | 6302.720    | 58.02          | 18.48       | 68.20          | 10.18       | 290         | Horizontal |
| 2              | 6471.398    | 45.65          | 18.56       | 54.00          | 8.35        | 363         | Horizontal |
| 3              | 10540.00    | 53.04          | 2.39        | 68.20          | 15.16       | 331         | Horizontal |
| 4              | 10540.00    | 42.48          | 2.39        | 54.00          | 11.52       | 167         | Horizontal |
| 5              | 15810.00    | 44.26          | 5.12        | 54.00          | 9.74        | 153         | Horizontal |
| 6              | 15810.00    | 55.37          | 5.12        | 74.00          | 18.63       | 363         | Horizontal |

#### Final Data List



### 4.9.2.42 802.11N40\_Channel 54

#### Test Graph



#### Suspected List

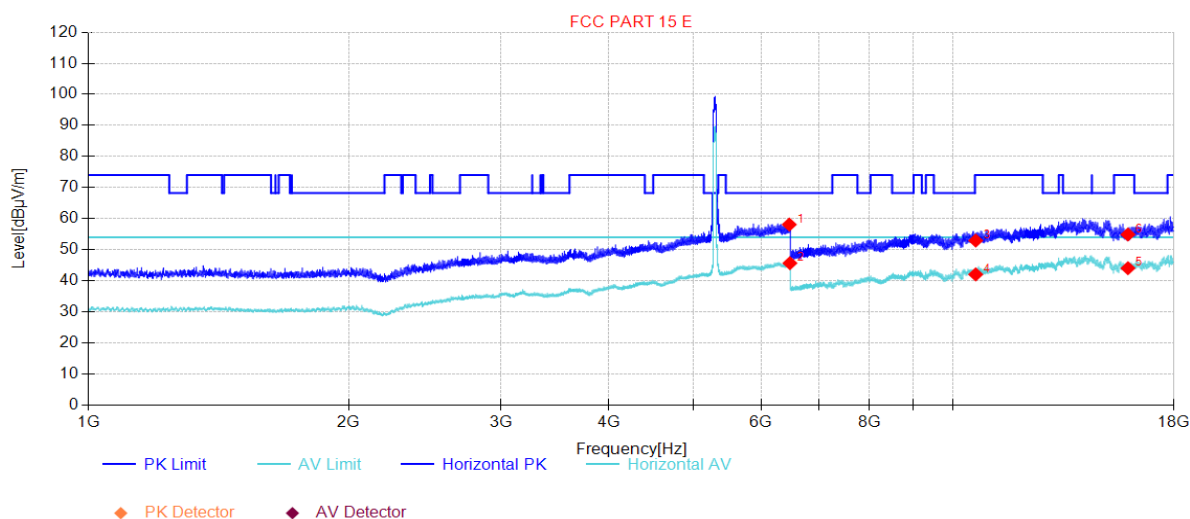
| Suspected List |             |                |             |                |             |             |          |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|----------|
| NO.            | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Polarity |
| 1              | 6341.589    | 58.69          | 18.35       | 68.20          | 9.51        | 280         | Vertical |
| 2              | 6432.528    | 45.74          | 18.34       | 54.00          | 8.26        | 225         | Vertical |
| 3              | 10540.00    | 53.87          | 2.39        | 68.20          | 14.33       | 274         | Vertical |
| 4              | 10540.00    | 42.85          | 2.39        | 54.00          | 11.15       | 324         | Vertical |
| 5              | 15810.00    | 43.87          | 5.12        | 54.00          | 10.13       | 210         | Vertical |
| 6              | 15810.00    | 54.52          | 5.12        | 74.00          | 19.48       | 230         | Vertical |

#### Final Data List



### 4.9.2.43 802.11N40\_Channel 62

#### Test Graph



#### Suspected List

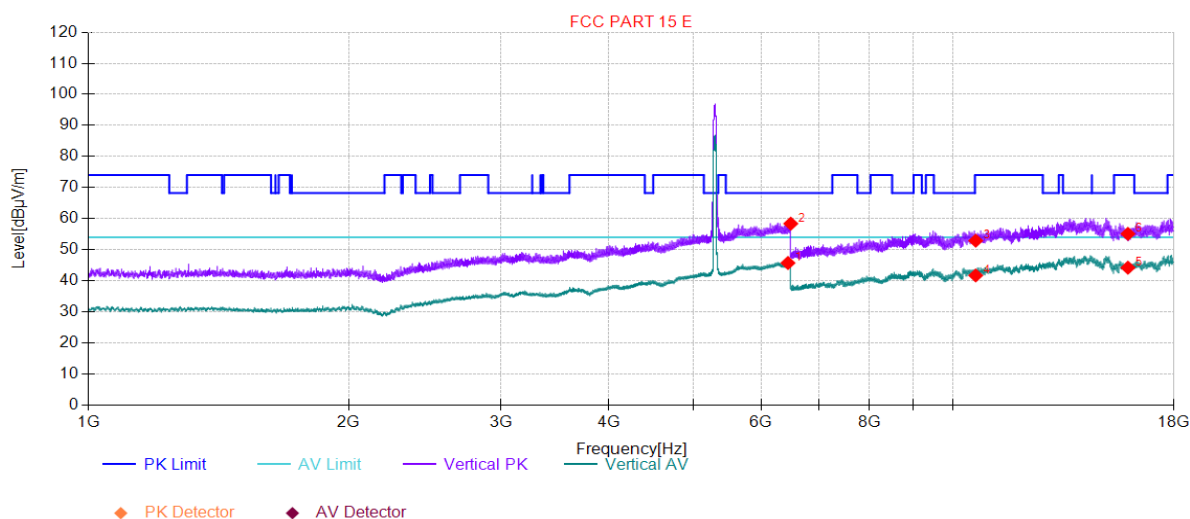
| Suspected List |             |                |             |                |             |             |            |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|------------|
| NO.            | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Polarity   |
| 1              | 6464.797    | 58.08          | 18.52       | 68.20          | 10.12       | 214         | Horizontal |
| 2              | 6475.431    | 45.64          | 18.58       | 54.00          | 8.36        | 339         | Horizontal |
| 3              | 10620.00    | 52.92          | 2.23        | 74.00          | 21.08       | 385         | Horizontal |
| 4              | 10620.00    | 42.01          | 2.23        | 54.00          | 11.99       | 195         | Horizontal |
| 5              | 15930.00    | 44.02          | 5.15        | 54.00          | 9.98        | 198         | Horizontal |
| 6              | 15930.00    | 54.87          | 5.15        | 74.00          | 19.13       | 327         | Horizontal |

#### Final Data List



### 4.9.2.44 802.11N40\_Channel 62

#### Test Graph



#### Suspected List

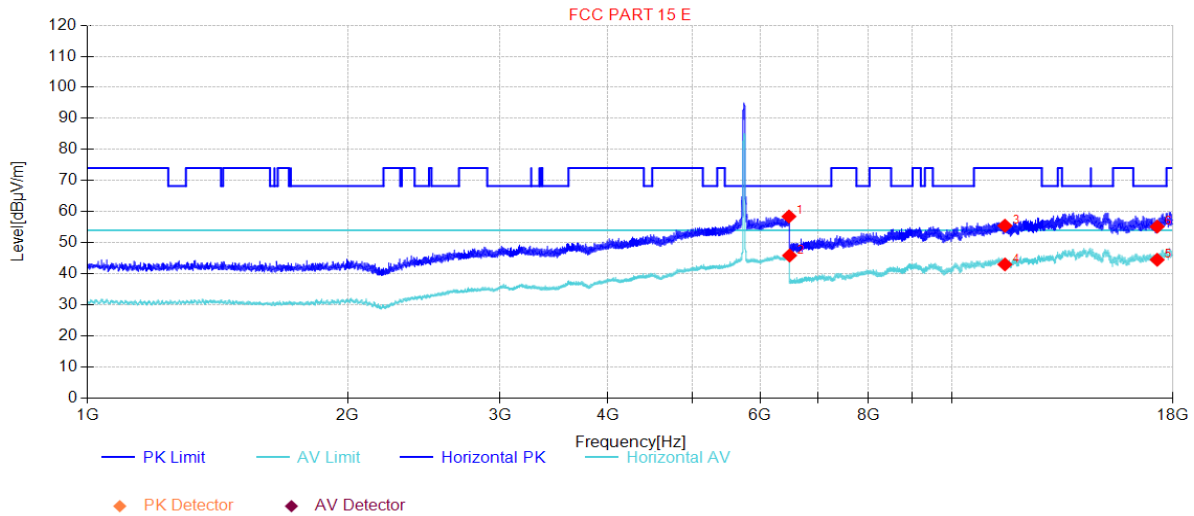
| Suspected List |             |                |             |                |             |             |          |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|----------|
| NO.            | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Polarity |
| 1              | 6441.329    | 45.70          | 18.39       | 54.00          | 8.30        | 105         | Vertical |
| 2              | 6490.099    | 58.36          | 18.66       | 68.20          | 9.84        | 356         | Vertical |
| 3              | 10620.00    | 52.89          | 2.23        | 74.00          | 21.11       | 216         | Vertical |
| 4              | 10620.00    | 41.68          | 2.23        | 54.00          | 12.32       | 391         | Vertical |
| 5              | 15930.00    | 44.19          | 5.15        | 54.00          | 9.81        | 212         | Vertical |
| 6              | 15930.00    | 55.08          | 5.15        | 74.00          | 18.92       | 296         | Vertical |

#### Final Data List



### 4.9.2.45 802.11N40\_Channel 151

#### Test Graph



#### Suspected List

| Suspected List |             |                |             |                |             |             |            |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|------------|
| NO.            | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Polarity   |
| 1              | 6476.165    | 58.42          | 18.58       | 68.20          | 9.78        | 171         | Horizontal |
| 2              | 6486.799    | 45.86          | 18.64       | 54.00          | 8.14        | 103         | Horizontal |
| 3              | 11510.00    | 55.44          | 2.17        | 74.00          | 18.56       | 329         | Horizontal |
| 4              | 11510.00    | 42.97          | 2.17        | 54.00          | 11.03       | 375         | Horizontal |
| 5              | 17265.00    | 44.47          | 6.33        | 54.00          | 9.53        | 392         | Horizontal |
| 6              | 17265.00    | 55.14          | 6.33        | 68.20          | 13.06       | 328         | Horizontal |

#### Final Data List



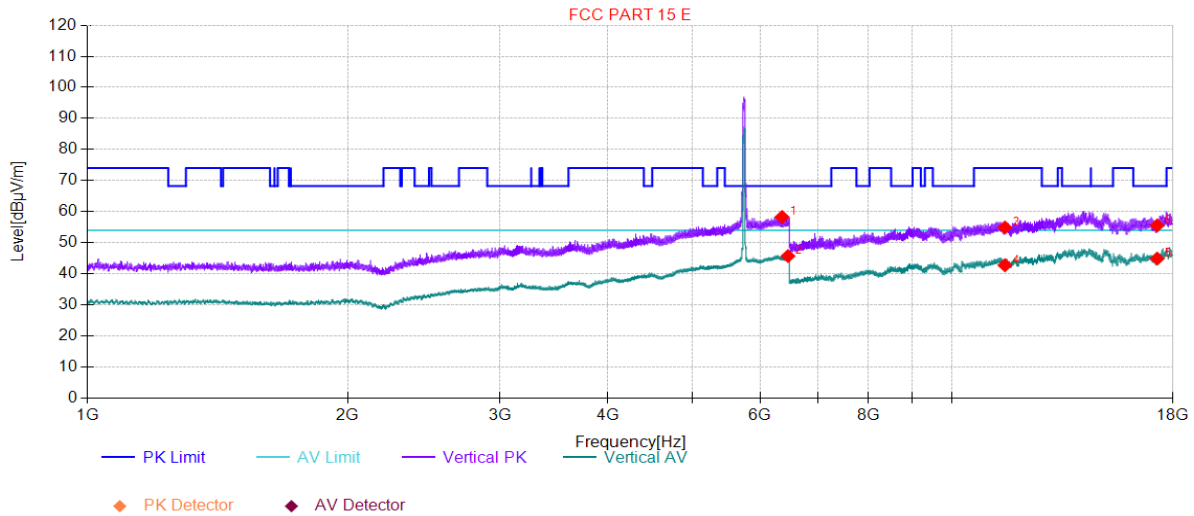
SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch (CMAA) EMC Laboratory

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 <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) 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, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn  
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

### 4.9.2.46 802.11N40\_Channel 151

#### Test Graph



#### Suspected List

| Suspected List |             |                |             |                |             |             |          |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|----------|
| NO.            | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Polarity |
| 1              | 6357.357    | 58.25          | 18.30       | 68.20          | 9.95        | 162         | Vertical |
| 2              | 6459.664    | 45.68          | 18.49       | 54.00          | 8.32        | 210         | Vertical |
| 3              | 11510.00    | 54.88          | 2.17        | 74.00          | 19.12       | 322         | Vertical |
| 4              | 11510.00    | 42.73          | 2.17        | 54.00          | 11.27       | 120         | Vertical |
| 5              | 17265.00    | 44.86          | 6.33        | 54.00          | 9.14        | 210         | Vertical |
| 6              | 17265.00    | 55.53          | 6.33        | 68.20          | 12.67       | 321         | Vertical |

#### Final Data List



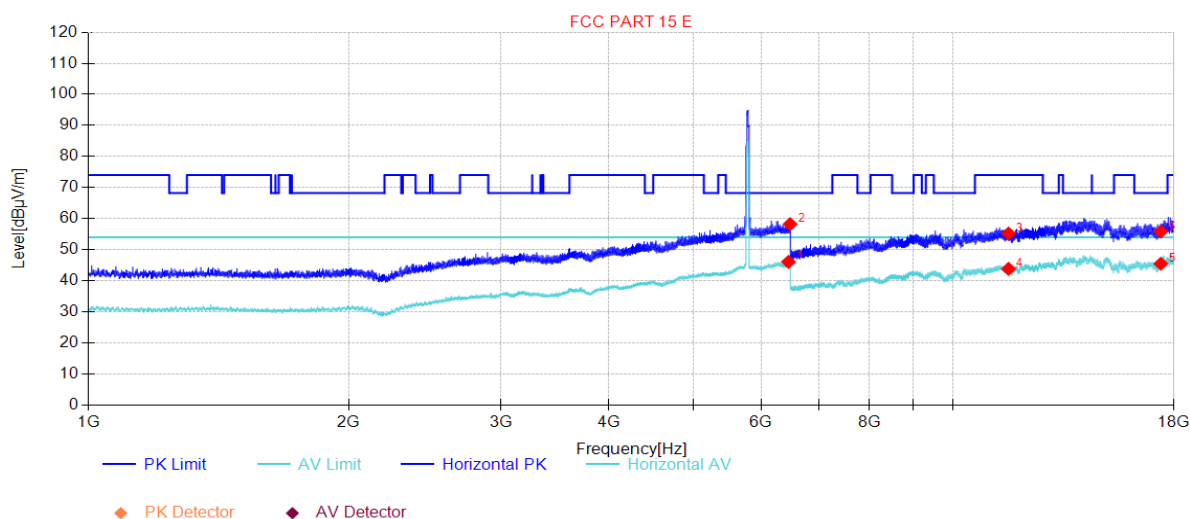
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) 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, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn  
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

### 4.9.2.47 802.11N40\_Channel 159

#### Test Graph



#### Suspected List

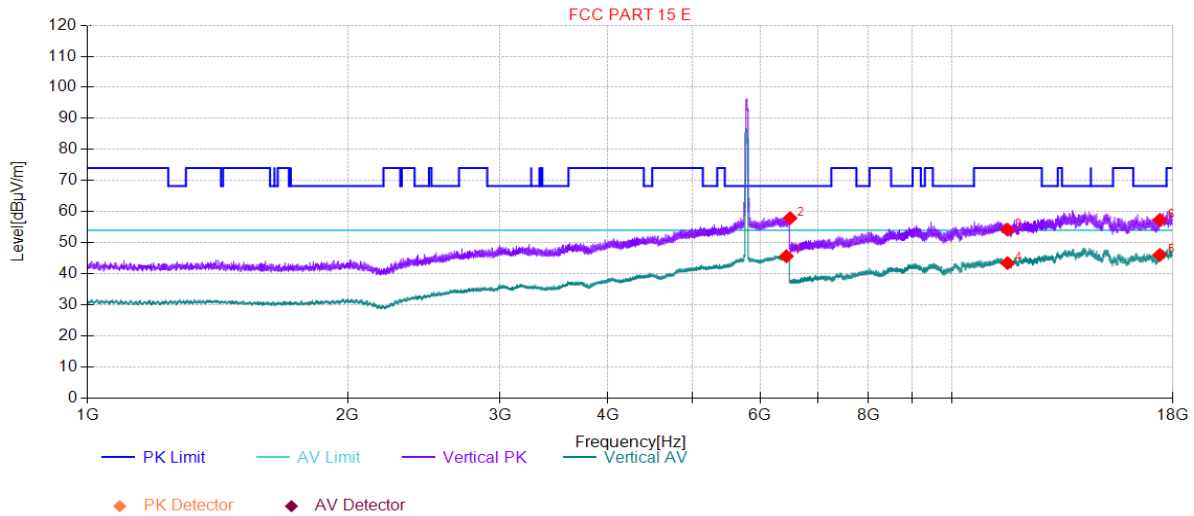
| Suspected List |             |                |             |                |             |             |            |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|------------|
| NO.            | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Polarity   |
| 1              | 6451.596    | 46.05          | 18.45       | 54.00          | 7.95        | 156         | Horizontal |
| 2              | 6478.731    | 58.20          | 18.60       | 68.20          | 10.00       | 146         | Horizontal |
| 3              | 11590.00    | 55.19          | 3.16        | 74.00          | 18.81       | 384         | Horizontal |
| 4              | 11590.00    | 43.82          | 3.16        | 54.00          | 10.18       | 107         | Horizontal |
| 5              | 17385.00    | 45.46          | 6.82        | 54.00          | 8.54        | 156         | Horizontal |
| 6              | 17385.00    | 55.82          | 6.82        | 68.20          | 12.38       | 317         | Horizontal |

#### Final Data List



### 4.9.2.48 802.11N40\_Channel 159

#### Test Graph



#### Suspected List

| Suspected List |             |                |             |                |             |             |          |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|----------|
| NO.            | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Polarity |
| 1              | 6433.628    | 45.62          | 18.35       | 54.00          | 8.38        | 323         | Vertical |
| 2              | 6495.966    | 57.90          | 18.69       | 68.20          | 10.30       | 130         | Vertical |
| 3              | 11590.00    | 54.18          | 3.16        | 74.00          | 19.82       | 179         | Vertical |
| 4              | 11590.00    | 43.41          | 3.16        | 54.00          | 10.59       | 268         | Vertical |
| 5              | 17385.00    | 46.04          | 6.82        | 54.00          | 7.96        | 142         | Vertical |
| 6              | 17385.00    | 57.32          | 6.82        | 68.20          | 10.88       | 352         | Vertical |

#### Final Data List



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

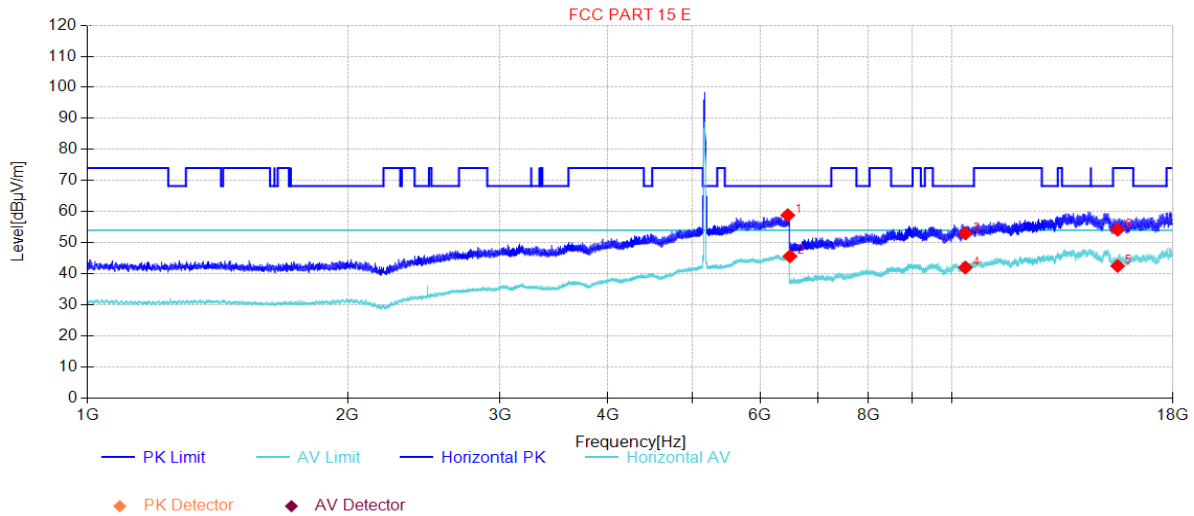
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn  
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

### 4.9.2.49 802.11AC20\_Channel 36

#### Test Graph



#### Suspected List

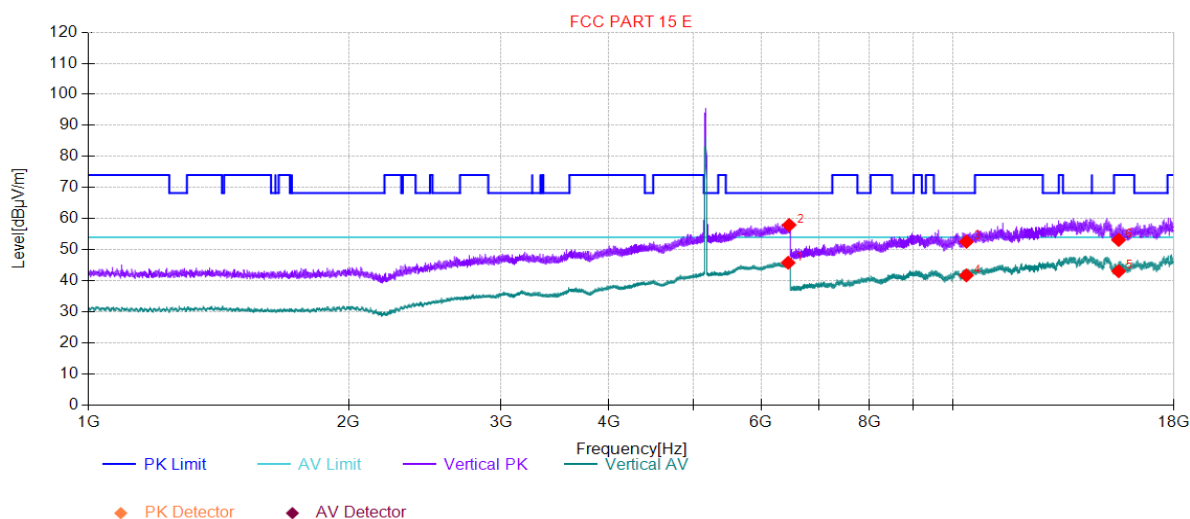
| Suspected List |             |                |             |                |             |             |            |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|------------|
| NO.            | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Polarity   |
| 1              | 6456.730    | 58.84          | 18.47       | 68.20          | 9.36        | 273         | Horizontal |
| 2              | 6493.399    | 45.61          | 18.68       | 54.00          | 8.39        | 272         | Horizontal |
| 3              | 10360.00    | 52.93          | 2.38        | 68.20          | 15.27       | 176         | Horizontal |
| 4              | 10360.00    | 41.99          | 2.38        | 54.00          | 12.01       | 145         | Horizontal |
| 5              | 15540.00    | 42.49          | 5.88        | 54.00          | 11.51       | 343         | Horizontal |
| 6              | 15540.00    | 54.18          | 5.88        | 74.00          | 19.82       | 279         | Horizontal |

#### Final Data List



### 4.9.2.50 802.11AC20\_Channel 36

#### Test Graph



#### Suspected List

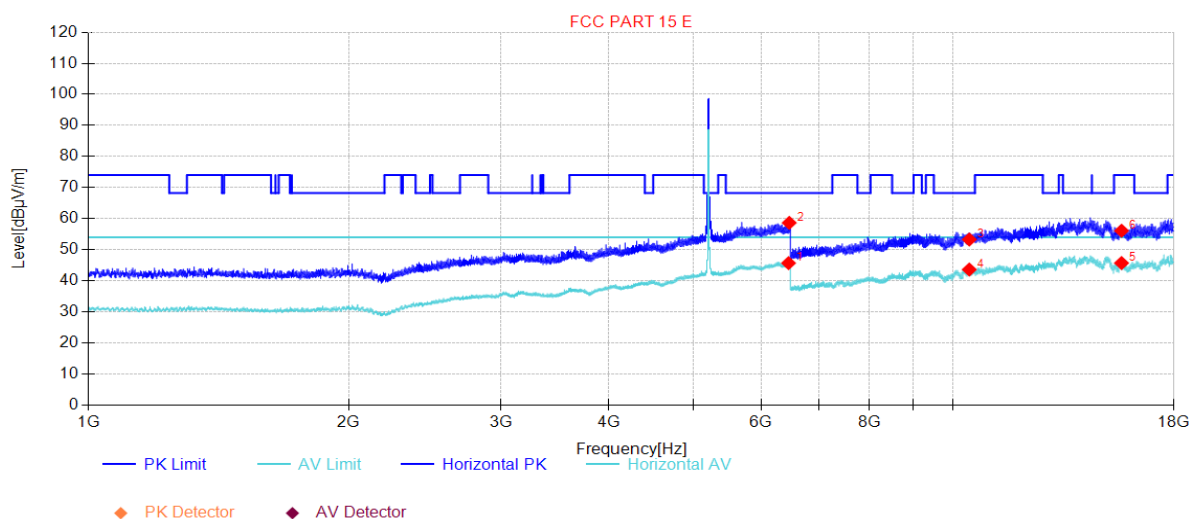
| Suspected List |             |                |             |                |             |             |          |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|----------|
| NO.            | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Polarity |
| 1              | 6444.996    | 45.78          | 18.41       | 54.00          | 8.22        | 232         | Vertical |
| 2              | 6461.497    | 57.93          | 18.50       | 68.20          | 10.27       | 269         | Vertical |
| 3              | 10360.00    | 52.54          | 2.38        | 68.20          | 15.66       | 340         | Vertical |
| 4              | 10360.00    | 41.72          | 2.38        | 54.00          | 12.28       | 374         | Vertical |
| 5              | 15540.00    | 43.06          | 5.88        | 54.00          | 10.94       | 396         | Vertical |
| 6              | 15540.00    | 53.12          | 5.88        | 74.00          | 20.88       | 253         | Vertical |

#### Final Data List



### 4.9.2.51 802.11AC20\_Channel 44

#### Test Graph



#### Suspected List

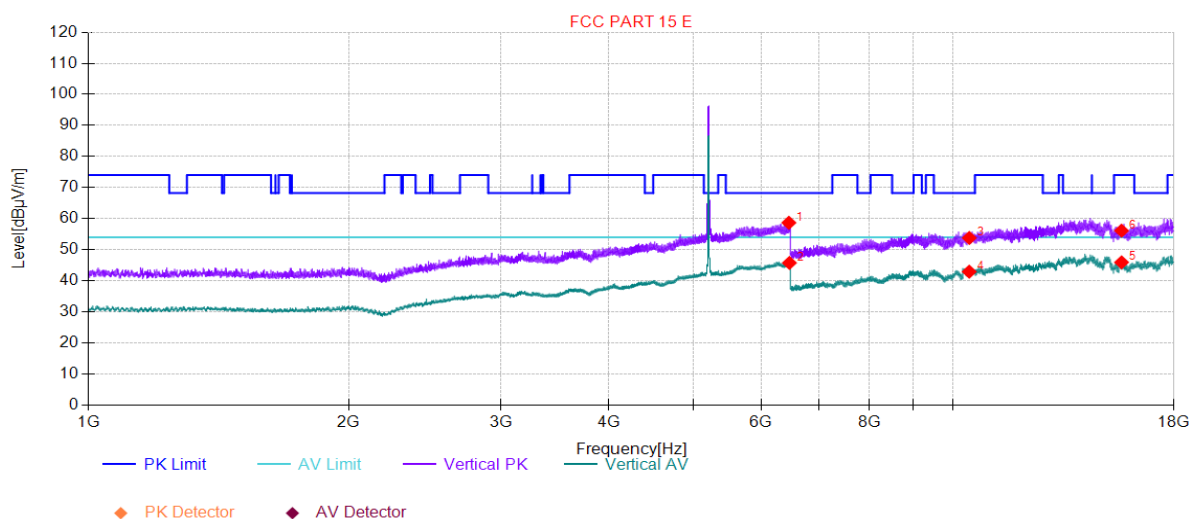
| Suspected List |             |                |             |                |             |             |            |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|------------|
| NO.            | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Polarity   |
| 1              | 6451.963    | 45.65          | 18.45       | 54.00          | 8.35        | 373         | Horizontal |
| 2              | 6464.064    | 58.63          | 18.52       | 68.20          | 9.57        | 364         | Horizontal |
| 3              | 10440.00    | 53.26          | 2.46        | 68.20          | 14.94       | 257         | Horizontal |
| 4              | 10440.00    | 43.59          | 2.46        | 54.00          | 10.41       | 277         | Horizontal |
| 5              | 15660.00    | 45.68          | 6.12        | 54.00          | 8.32        | 282         | Horizontal |
| 6              | 15660.00    | 56.08          | 6.12        | 74.00          | 17.92       | 319         | Horizontal |

#### Final Data List



### 4.9.2.52 802.11AC20\_Channel 44

#### Test Graph



#### Suspected List

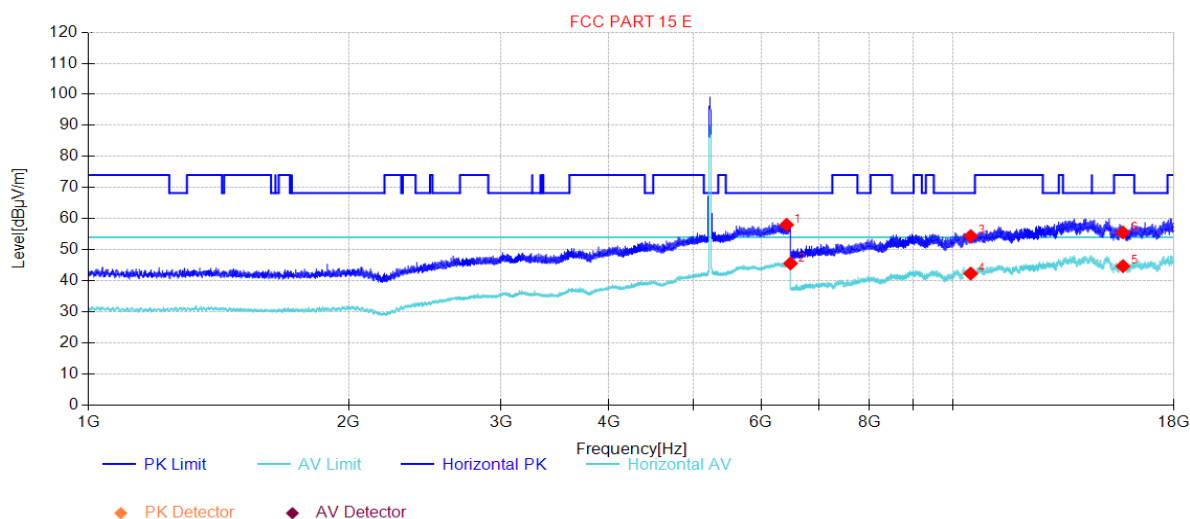
| Suspected List |             |                |             |                |             |             |          |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|----------|
| NO.            | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Polarity |
| 1              | 6456.730    | 58.66          | 18.47       | 68.20          | 9.54        | 373         | Vertical |
| 2              | 6466.997    | 45.73          | 18.53       | 54.00          | 8.27        | 200         | Vertical |
| 3              | 10440.00    | 53.76          | 2.46        | 68.20          | 14.44       | 214         | Vertical |
| 4              | 10440.00    | 42.90          | 2.46        | 54.00          | 11.10       | 338         | Vertical |
| 5              | 15660.00    | 45.90          | 6.12        | 54.00          | 8.10        | 123         | Vertical |
| 6              | 15660.00    | 56.11          | 6.12        | 74.00          | 17.89       | 245         | Vertical |

#### Final Data List



### 4.9.2.53 802.11AC20\_Channel 48

#### Test Graph



#### Suspected List

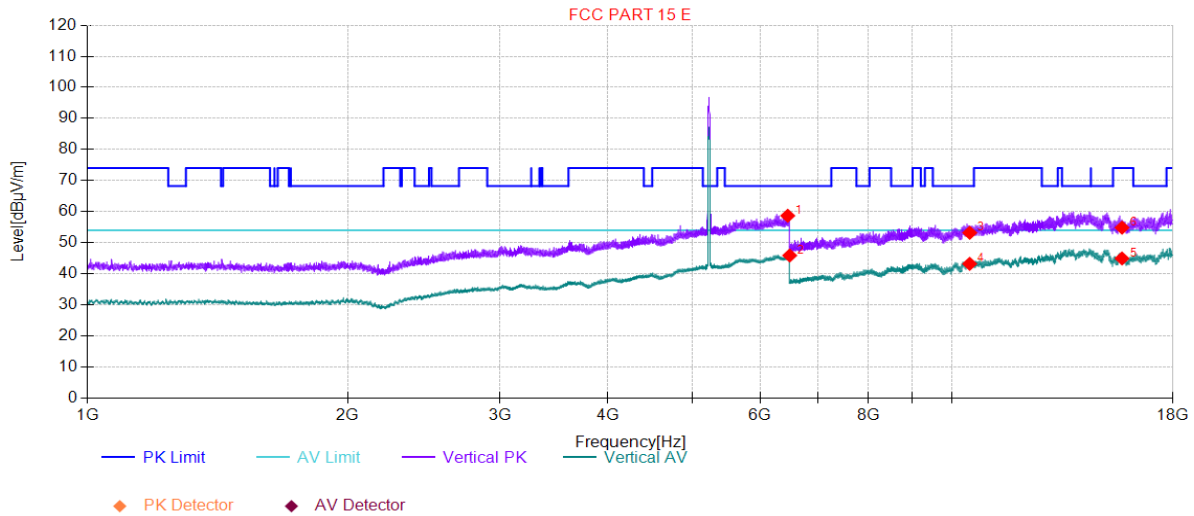
| Suspected List |             |                |             |                |             |             |            |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|------------|
| NO.            | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Polarity   |
| 1              | 6418.594    | 57.99          | 18.26       | 68.20          | 10.21       | 339         | Horizontal |
| 2              | 6486.065    | 45.56          | 18.64       | 54.00          | 8.44        | 218         | Horizontal |
| 3              | 10480.00    | 54.35          | 2.49        | 68.20          | 13.85       | 217         | Horizontal |
| 4              | 10480.00    | 42.29          | 2.49        | 54.00          | 11.71       | 218         | Horizontal |
| 5              | 15720.00    | 44.68          | 5.92        | 54.00          | 9.32        | 216         | Horizontal |
| 6              | 15720.00    | 55.52          | 5.92        | 74.00          | 18.48       | 325         | Horizontal |

#### Final Data List



### 4.9.2.54 802.11AC20\_Channel 48

#### Test Graph



#### Suspected List

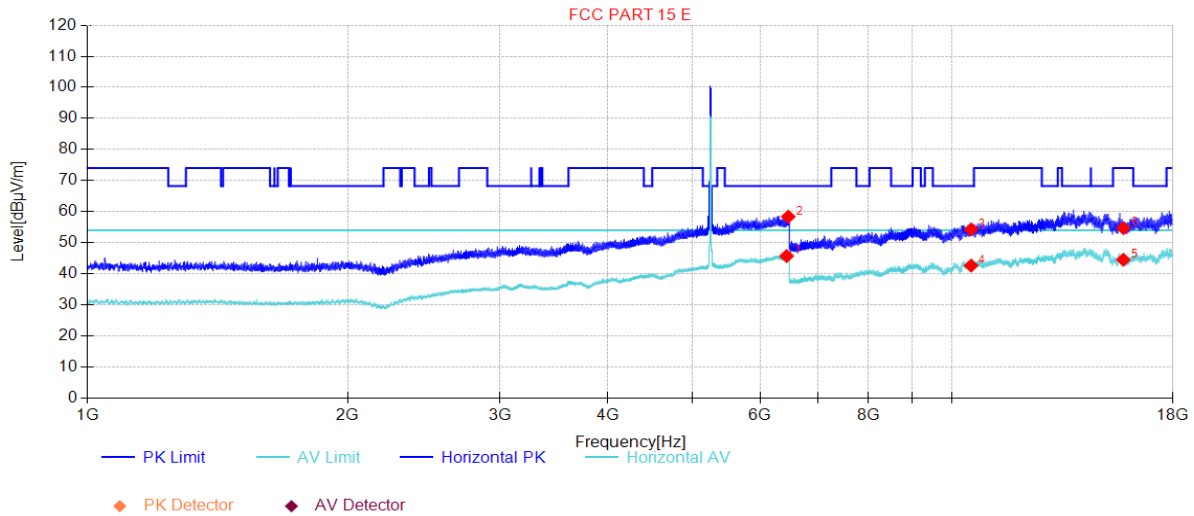
| Suspected List |             |                |             |                |             |             |          |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|----------|
| NO.            | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Polarity |
| 1              | 6455.630    | 58.66          | 18.47       | 68.20          | 9.54        | 165         | Vertical |
| 2              | 6488.632    | 45.86          | 18.65       | 54.00          | 8.14        | 183         | Vertical |
| 3              | 10480.00    | 53.17          | 2.49        | 68.20          | 15.03       | 235         | Vertical |
| 4              | 10480.00    | 43.17          | 2.49        | 54.00          | 10.83       | 389         | Vertical |
| 5              | 15720.00    | 44.90          | 5.92        | 54.00          | 9.10        | 376         | Vertical |
| 6              | 15720.00    | 54.82          | 5.92        | 74.00          | 19.18       | 235         | Vertical |

#### Final Data List



### 4.9.2.55 802.11AC20\_Channel 52

#### Test Graph



#### Suspected List

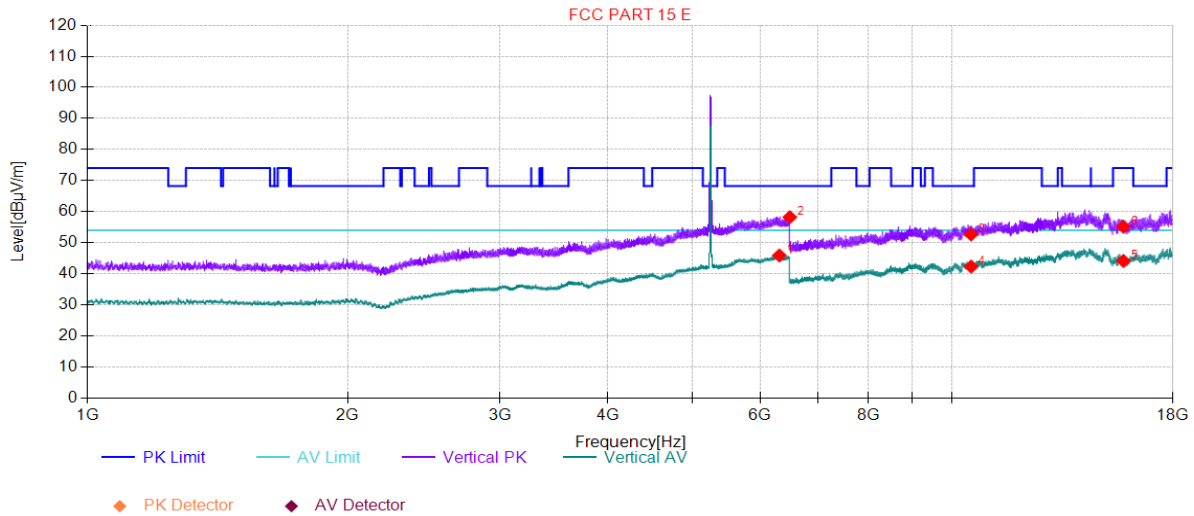
| Suspected List |             |                |             |                |             |             |            |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|------------|
| NO.            | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Polarity   |
| 1              | 6436.562    | 45.68          | 18.36       | 54.00          | 8.32        | 398         | Horizontal |
| 2              | 6464.064    | 58.36          | 18.52       | 68.20          | 9.84        | 243         | Horizontal |
| 3              | 10520.00    | 54.29          | 2.45        | 68.20          | 13.91       | 369         | Horizontal |
| 4              | 10520.00    | 42.62          | 2.45        | 54.00          | 11.38       | 260         | Horizontal |
| 5              | 15780.00    | 44.48          | 5.30        | 54.00          | 9.52        | 291         | Horizontal |
| 6              | 15780.00    | 54.66          | 5.30        | 74.00          | 19.34       | 286         | Horizontal |

#### Final Data List



### 4.9.2.56 802.11AC20\_Channel 52

#### Test Graph



#### Suspected List

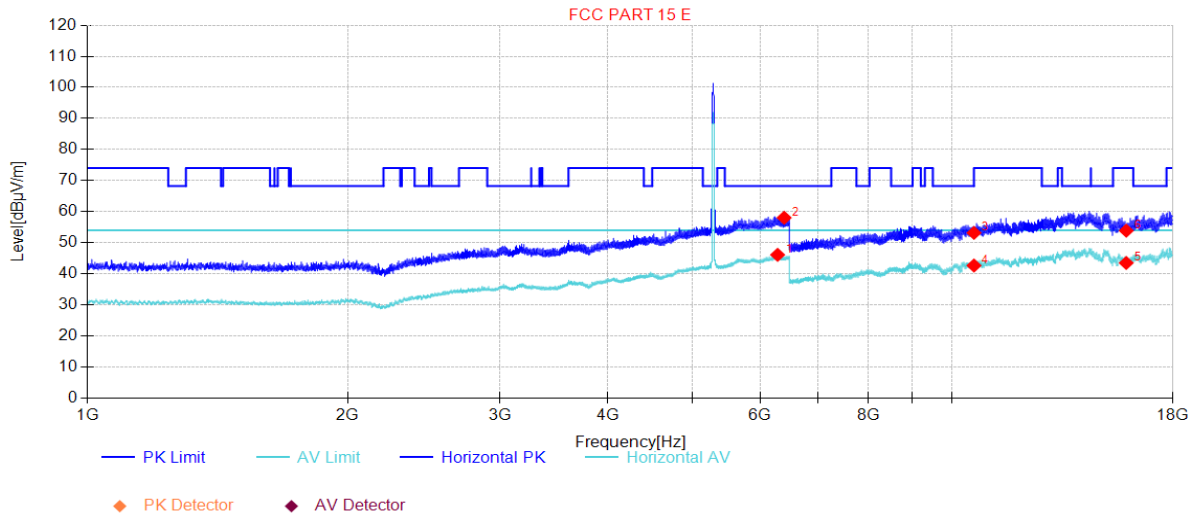
| Suspected List |             |                |             |                |             |             |          |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|----------|
| NO.            | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Polarity |
| 1              | 6312.987    | 45.86          | 18.44       | 54.00          | 8.14        | 326         | Vertical |
| 2              | 6491.566    | 58.21          | 18.67       | 68.20          | 9.99        | 322         | Vertical |
| 3              | 10520.00    | 52.64          | 2.45        | 68.20          | 15.56       | 139         | Vertical |
| 4              | 10520.00    | 42.29          | 2.45        | 54.00          | 11.71       | 371         | Vertical |
| 5              | 15780.00    | 44.11          | 5.30        | 54.00          | 9.89        | 323         | Vertical |
| 6              | 15780.00    | 55.14          | 5.30        | 74.00          | 18.86       | 395         | Vertical |

#### Final Data List



### 4.9.2.57 802.11AC20\_Channel 60

#### Test Graph



#### Suspected List

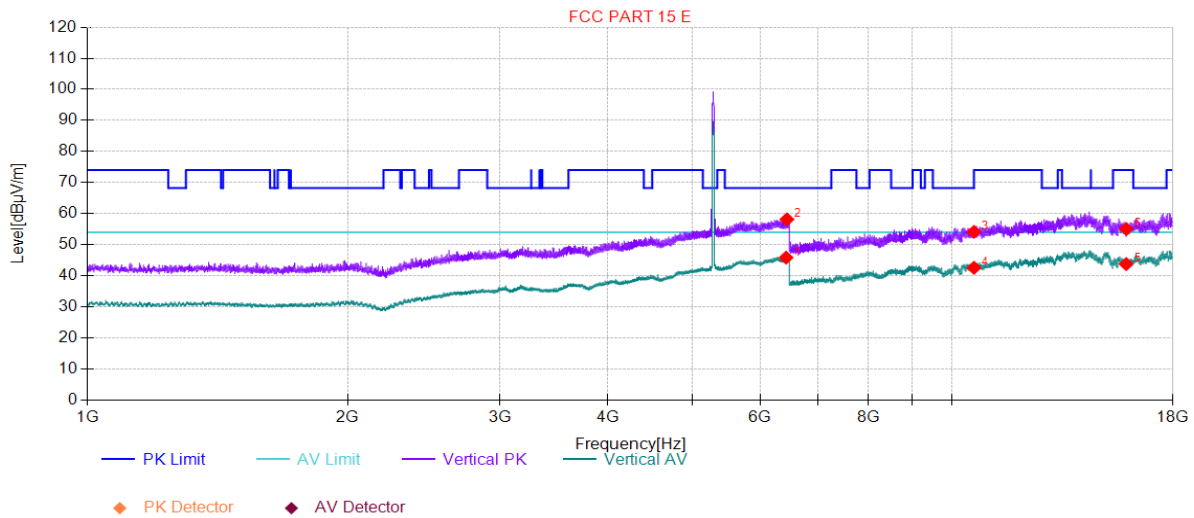
| Suspected List |             |                |             |                |             |             |            |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|------------|
| NO.            | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Polarity   |
| 1              | 6282.918    | 46.07          | 18.40       | 54.00          | 7.93        | 197         | Horizontal |
| 2              | 6393.292    | 58.01          | 18.18       | 68.20          | 10.19       | 166         | Horizontal |
| 3              | 10600.00    | 53.14          | 2.23        | 74.00          | 20.86       | 208         | Horizontal |
| 4              | 10600.00    | 42.63          | 2.23        | 54.00          | 11.37       | 313         | Horizontal |
| 5              | 15900.00    | 43.46          | 5.29        | 54.00          | 10.54       | 338         | Horizontal |
| 6              | 15900.00    | 53.85          | 5.29        | 74.00          | 20.15       | 356         | Horizontal |

#### Final Data List



### 4.9.2.58 802.11AC20\_Channel 60

#### Test Graph



#### Suspected List

| Suspected List |             |                |             |                |             |             |          |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|----------|
| NO.            | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Polarity |
| 1              | 6427.395    | 45.82          | 18.31       | 54.00          | 8.18        | 195         | Vertical |
| 2              | 6440.229    | 58.13          | 18.38       | 68.20          | 10.07       | 261         | Vertical |
| 3              | 10600.00    | 54.12          | 2.23        | 74.00          | 19.88       | 121         | Vertical |
| 4              | 10600.00    | 42.55          | 2.23        | 54.00          | 11.45       | 288         | Vertical |
| 5              | 15900.00    | 43.74          | 5.29        | 54.00          | 10.26       | 389         | Vertical |
| 6              | 15900.00    | 55.06          | 5.29        | 74.00          | 18.94       | 219         | Vertical |

#### Final Data List



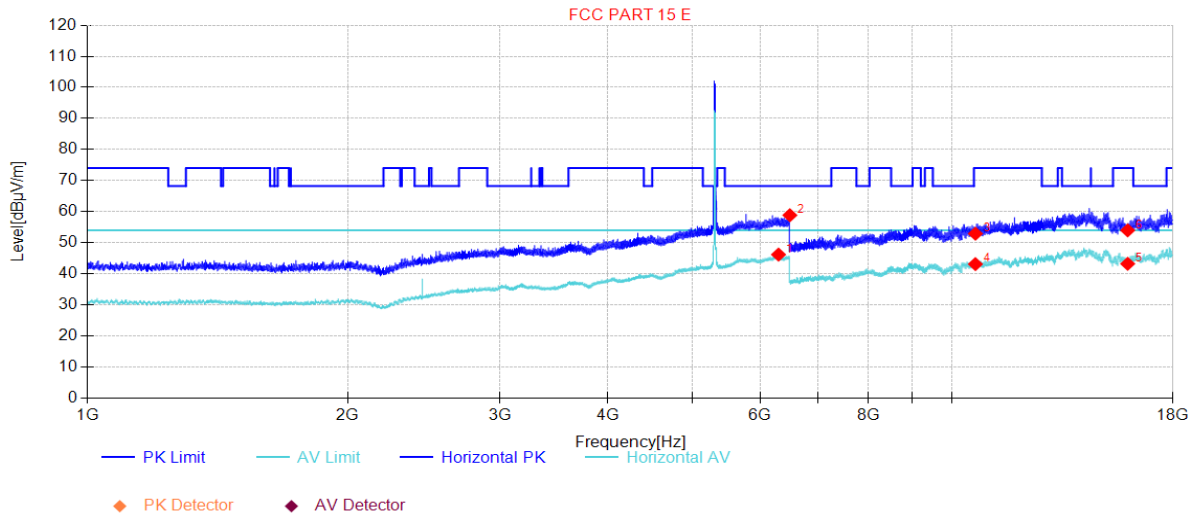
SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch (SGS-CSTC Laboratory)

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 <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) 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, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn  
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

### 4.9.2.59 802.11AC20\_Channel 64

#### Test Graph



#### Suspected List

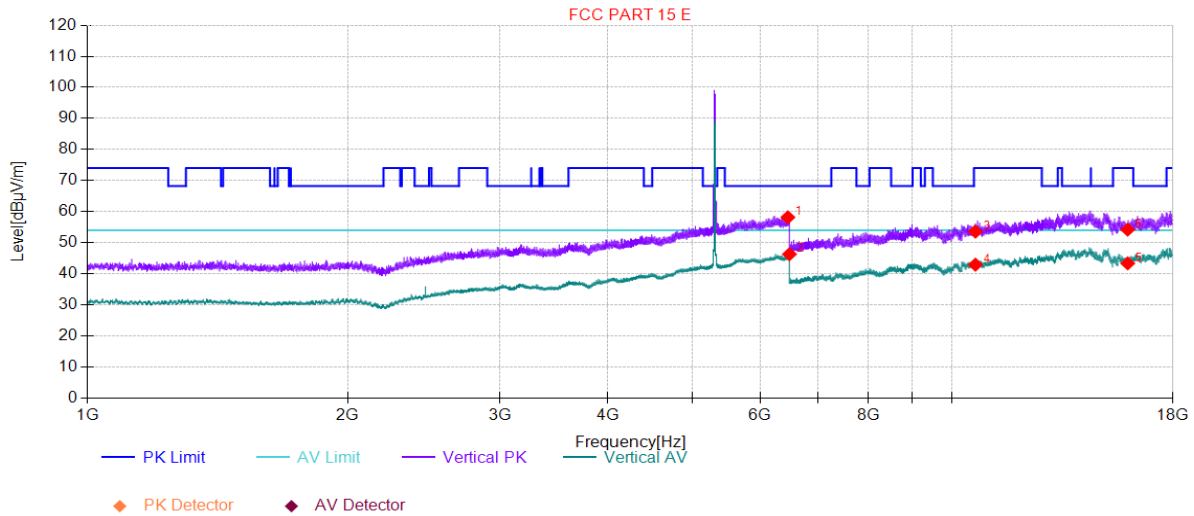
| Suspected List |             |                |             |                |             |             |            |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|------------|
| NO.            | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Polarity   |
| 1              | 6299.053    | 46.15          | 18.48       | 54.00          | 7.85        | 110         | Horizontal |
| 2              | 6492.299    | 58.82          | 18.67       | 68.20          | 9.38        | 137         | Horizontal |
| 3              | 10640.00    | 52.89          | 2.22        | 74.00          | 21.11       | 116         | Horizontal |
| 4              | 10640.00    | 43.08          | 2.22        | 54.00          | 10.92       | 106         | Horizontal |
| 5              | 15960.00    | 43.18          | 5.01        | 54.00          | 10.82       | 352         | Horizontal |
| 6              | 15960.00    | 53.95          | 5.01        | 74.00          | 20.05       | 168         | Horizontal |

#### Final Data List



### 4.9.2.60 802.11AC20\_Channel 64

#### Test Graph



#### Suspected List

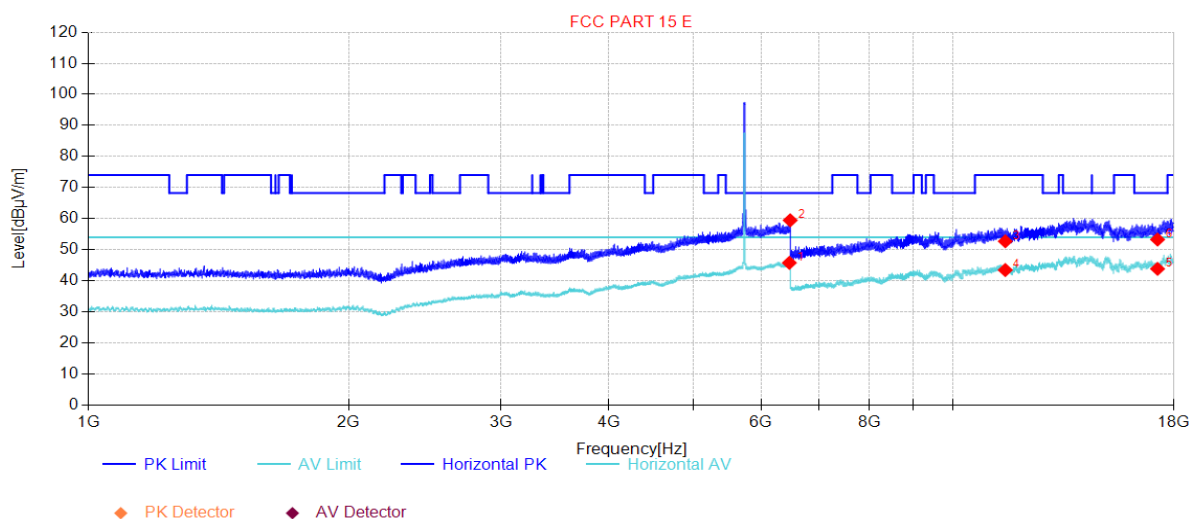
| Suspected List |             |                |             |                |             |             |          |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|----------|
| NO.            | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Polarity |
| 1              | 6457.097    | 58.15          | 18.48       | 68.20          | 10.05       | 201         | Vertical |
| 2              | 6484.965    | 46.28          | 18.63       | 54.00          | 7.72        | 178         | Vertical |
| 3              | 10640.00    | 53.55          | 2.22        | 74.00          | 20.45       | 247         | Vertical |
| 4              | 10640.00    | 42.90          | 2.22        | 54.00          | 11.10       | 201         | Vertical |
| 5              | 15960.00    | 43.33          | 5.01        | 54.00          | 10.67       | 125         | Vertical |
| 6              | 15960.00    | 54.19          | 5.01        | 74.00          | 19.81       | 243         | Vertical |

#### Final Data List



### 4.9.2.61 802.11AC20\_Channel 149

#### Test Graph



#### Suspected List

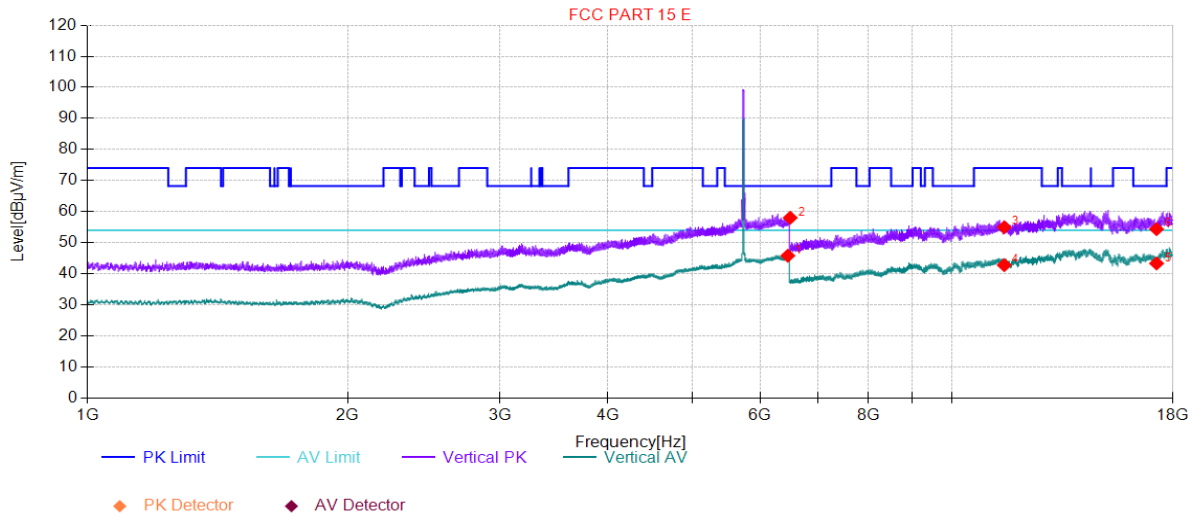
| Suspected List |             |                |             |                |             |             |            |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|------------|
| NO.            | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Polarity   |
| 1              | 6465.897    | 45.74          | 18.53       | 54.00          | 8.26        | 181         | Horizontal |
| 2              | 6479.832    | 59.45          | 18.60       | 68.20          | 8.75        | 106         | Horizontal |
| 3              | 11490.00    | 52.68          | 2.10        | 74.00          | 21.32       | 219         | Horizontal |
| 4              | 11490.00    | 43.43          | 2.10        | 54.00          | 10.57       | 190         | Horizontal |
| 5              | 17235.00    | 43.81          | 6.10        | 54.00          | 10.19       | 224         | Horizontal |
| 6              | 17235.00    | 53.25          | 6.10        | 68.20          | 14.95       | 224         | Horizontal |

#### Final Data List



### 4.9.2.62 802.11AC20\_Channel 149

#### Test Graph



#### Suspected List

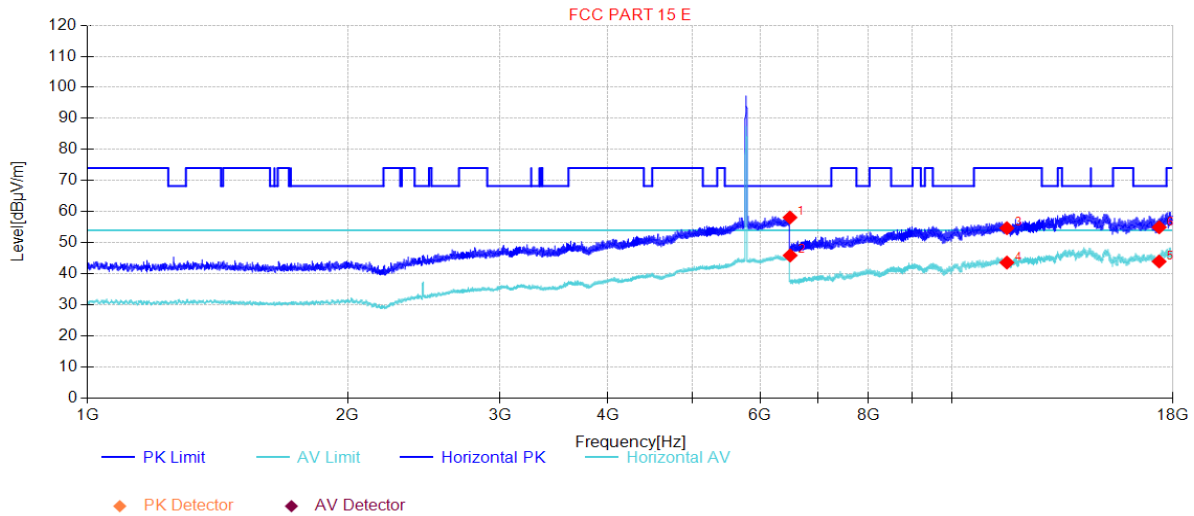
| Suspected List |             |                |             |                |             |             |          |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|----------|
| NO.            | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Polarity |
| 1              | 6456.730    | 45.78          | 18.47       | 54.00          | 8.22        | 325         | Vertical |
| 2              | 6497.433    | 58.01          | 18.70       | 68.20          | 10.19       | 215         | Vertical |
| 3              | 11490.00    | 54.96          | 2.10        | 74.00          | 19.04       | 248         | Vertical |
| 4              | 11490.00    | 42.77          | 2.10        | 54.00          | 11.23       | 278         | Vertical |
| 5              | 17235.00    | 43.31          | 6.10        | 54.00          | 10.69       | 109         | Vertical |
| 6              | 17235.00    | 54.34          | 6.10        | 68.20          | 13.86       | 125         | Vertical |

#### Final Data List



### 4.9.2.63 802.11AC20\_Channel 157

#### Test Graph



#### Suspected List

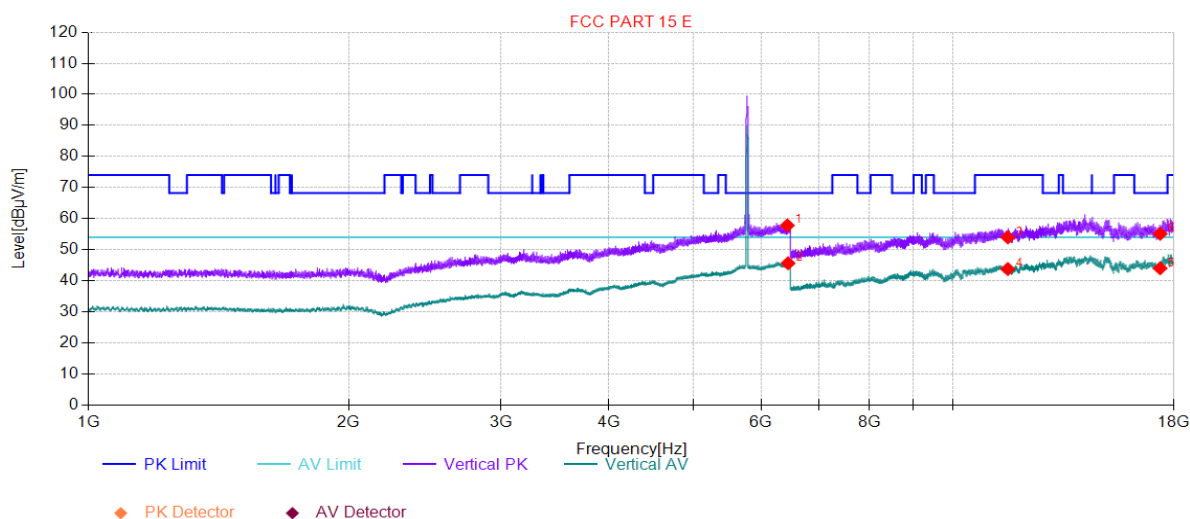
| Suspected List |             |                |             |                |             |             |            |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|------------|
| NO.            | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Polarity   |
| 1              | 6493.766    | 58.10          | 18.68       | 68.20          | 10.10       | 320         | Horizontal |
| 2              | 6496.699    | 45.88          | 18.70       | 54.00          | 8.12        | 250         | Horizontal |
| 3              | 11570.00    | 54.65          | 2.92        | 74.00          | 19.35       | 266         | Horizontal |
| 4              | 11570.00    | 43.58          | 2.92        | 54.00          | 10.42       | 127         | Horizontal |
| 5              | 17355.00    | 43.92          | 6.75        | 54.00          | 10.08       | 155         | Horizontal |
| 6              | 17355.00    | 54.94          | 6.75        | 68.20          | 13.26       | 273         | Horizontal |

#### Final Data List



### 4.9.2.64 802.11AC20\_Channel 157

#### Test Graph



#### Suspected List

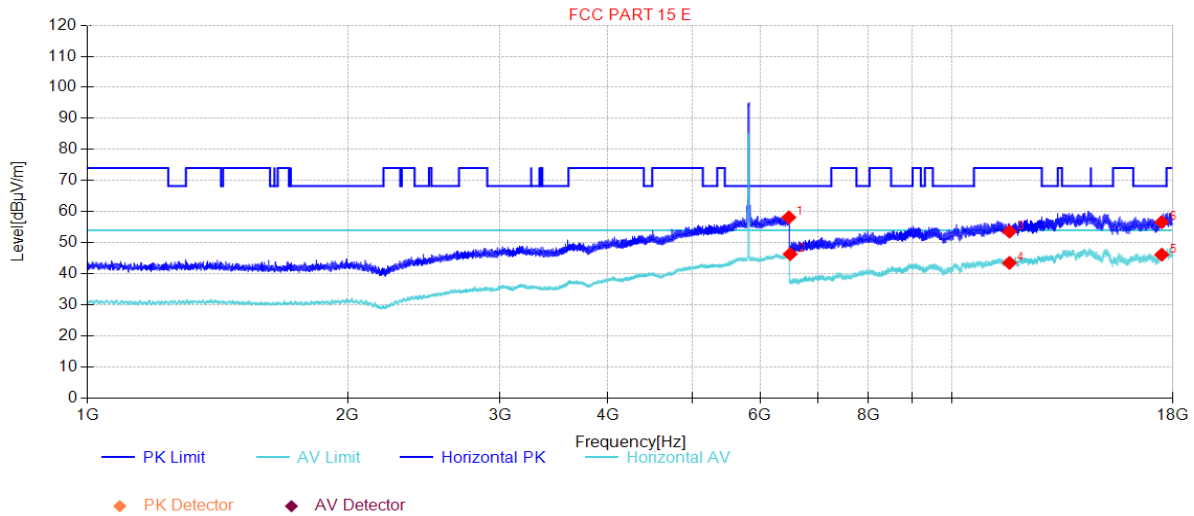
| Suspected List |             |                |             |                |             |             |          |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|----------|
| NO.            | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Polarity |
| 1              | 6430.328    | 57.80          | 18.33       | 68.20          | 10.40       | 160         | Vertical |
| 2              | 6443.529    | 45.62          | 18.40       | 54.00          | 8.38        | 352         | Vertical |
| 3              | 11570.00    | 53.94          | 2.92        | 74.00          | 20.06       | 208         | Vertical |
| 4              | 11570.00    | 43.76          | 2.92        | 54.00          | 10.24       | 323         | Vertical |
| 5              | 17355.00    | 43.98          | 6.75        | 54.00          | 10.02       | 158         | Vertical |
| 6              | 17355.00    | 55.09          | 6.75        | 68.20          | 13.11       | 129         | Vertical |

#### Final Data List



### 4.9.2.65 802.11AC20\_Channel 165

#### Test Graph



#### Suspected List

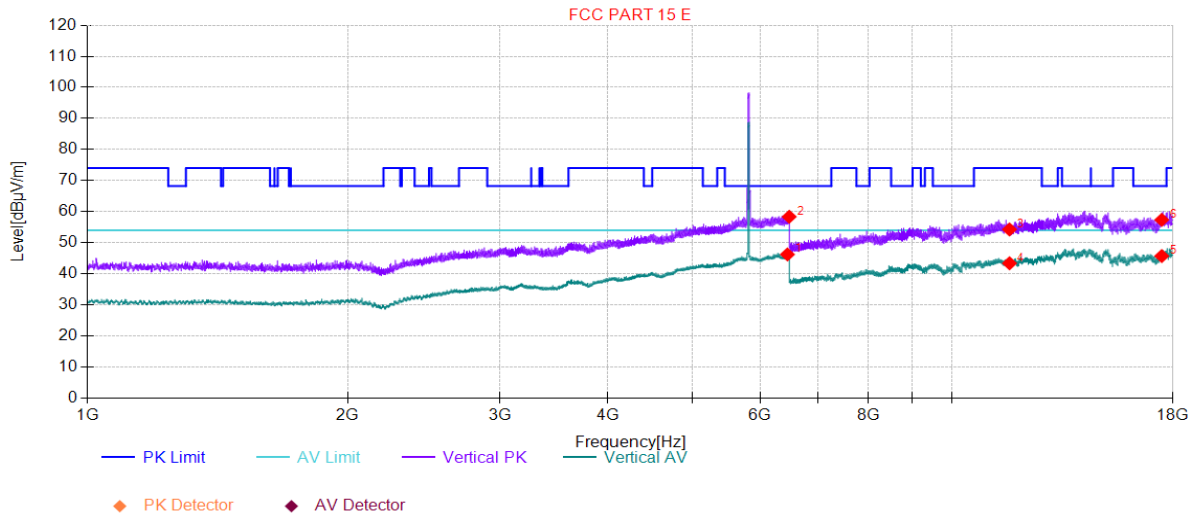
| Suspected List |             |                |             |                |             |             |            |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|------------|
| NO.            | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Polarity   |
| 1              | 6473.598    | 58.13          | 18.57       | 68.20          | 10.07       | 220         | Horizontal |
| 2              | 6498.166    | 46.33          | 18.70       | 54.00          | 7.67        | 371         | Horizontal |
| 3              | 11650.00    | 53.57          | 2.58        | 74.00          | 20.43       | 238         | Horizontal |
| 4              | 11650.00    | 43.47          | 2.58        | 54.00          | 10.53       | 105         | Horizontal |
| 5              | 17475.00    | 46.10          | 7.42        | 54.00          | 7.90        | 229         | Horizontal |
| 6              | 17475.00    | 56.58          | 7.42        | 68.20          | 11.62       | 285         | Horizontal |

#### Final Data List



### 4.9.2.66 802.11AC20\_Channel 165

#### Test Graph



#### Suspected List

| Suspected List |             |                |             |                |             |             |          |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|----------|
| NO.            | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Polarity |
| 1              | 6450.130    | 46.20          | 18.44       | 54.00          | 7.80        | 245         | Vertical |
| 2              | 6480.932    | 58.34          | 18.61       | 68.20          | 9.86        | 319         | Vertical |
| 3              | 11650.00    | 54.24          | 2.58        | 74.00          | 19.76       | 119         | Vertical |
| 4              | 11650.00    | 43.35          | 2.58        | 54.00          | 10.65       | 244         | Vertical |
| 5              | 17475.00    | 45.67          | 7.42        | 54.00          | 8.33        | 125         | Vertical |
| 6              | 17475.00    | 57.32          | 7.42        | 68.20          | 10.88       | 291         | Vertical |

#### Final Data List

