

## FCC TEST REPORT

Application No: HR/2019/20007

**Applicant:** Huawei Technologies Co., Ltd.

**Address of Applicant** Administration Building, Headquarters of Huawei Technologies Co., Ltd., Bantian, Longgang District, Shenzhen, 518129, P.R.C

**Manufacturer:** Huawei Technologies Co., Ltd.

**Address of Manufacturer** Administration Building, Headquarters of Huawei Technologies Co., Ltd., Bantian, Longgang District, Shenzhen, 518129, P.R.C

**EUT Description:** HUAWEI MateBook

**Model No.:** MACHR-W29/MACHR-W19

**Trade Mark:** HUAWEI

**FCC ID:** QISMACHR-WX9

**Standards:** 47 CFR FCC Part 2, Subpart J  
47 CFR FCC Part 15, Subpart C  
47 CFR FCC Part 15, Subpart E  
KDB 789033 D02 General UNII Test Procedures New Rules v02  
FCC KDB 558074 D01 DTS Meas Guidance v05  
KDB 662911 D01 Multiple Transmitter Output v02r01

**Test Method** 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:** 2019/2/14

**Date of Test:** 2019/2/15 to 2019/3/8

**Date of Issue:** 2019/3/8

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

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

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   |
| 00              |         | 2019/3/8 |          | Original |
|                 |         |          |          |          |
|                 |         |          |          |          |

|                                 |   |                      |  |
|---------------------------------|---|----------------------|--|
| <b>Authorized for issue by:</b> |   |                      |  |
| <b>Tested By</b>                | <i>Mike Hu</i>                              | 2019/3/8             |  |
|                                 | _____<br><b>(Mike Hu) /Project Engineer</b> | _____<br><b>Date</b> |  |
| <b>Checked By</b>               | <i>David Chen</i>                           | 2019/3/8             |  |
|                                 | _____<br><b>(David Chen) /Reviewer</b>      | _____<br><b>Date</b> |  |



Unless otherwise agreed 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**

## Contents

|          |  |            |
|----------|--|------------|
| <b>1</b> | <b>VERSION.....</b>  | <b>2</b>   |
| <b>2</b> | <b>TEST SUMMARY.....</b>   | <b>4</b>   |
| <b>3</b> | <b>GENERAL INFORMATION.....</b>                                  | <b>6</b>   |
| 3.1      | CLIENT INFORMATION.....  | 6          |
| 3.2      | TEST LOCATION.....   | 6          |
| 3.3      | TEST FACILITY.....   | 6          |
| 3.4      | GENERAL DESCRIPTION OF EUT.....                                  | 7          |
| 3.5      | TEST ENVIRONMENT AND MODE.....                                   | 9          |
| <b>4</b> | <b>TEST RESULTS AND MEASUREMENT DATA.....</b>                    | <b>10</b>  |
| 4.1      | ANTENNA REQUIREMENT.....   | 10         |
| 4.2      | CONDUCTED EMISSIONS.....   | 10         |
| 4.3      | RADIATED SPURIOUS EMISSIONS.....                                 | 14         |
| 4.3.1    | <i>Radiated emission below 1GHz for W29.....</i>                 | <i>16</i>  |
| 4.3.2    | <i>Transmitter emission above 1GHz for W29.....</i>              | <i>18</i>  |
| 4.3.1    | <i>Radiated emission below 1GHz for W19.....</i>                 | <i>140</i> |
| 4.3.2    | <i>Transmitter emission above 1GHz for W19.....</i>              | <i>142</i> |
| 4.4      | RESTRICTED BANDS AROUND FUNDAMENTAL FREQUENCY.....               | 154        |
| 4.4.1    | <i>Test plots for W29.....</i>                                   | <i>156</i> |
| 4.4.1    | <i>Test plots for W19.....</i>                                   | <i>250</i> |
| 4.5      | DYNAMIC FREQUENCY SELECTION.....                                 | 262        |
| 4.5.1    | <i>DFS Overview.....</i>   | <i>262</i> |
| 4.5.2    | <i>DFS Detection Thresholds.....</i>                             | <i>263</i> |
| 4.5.3    | <i>Response Requirements.....</i>                                | <i>263</i> |
| 4.5.4    | <i>Test plots.....</i>   | <i>264</i> |
| 4.5.5    | <i>Test Data:.....</i>   | <i>265</i> |
| <b>5</b> | <b>MEASUREMENT UNCERTAINTY (95% CONFIDENCE LEVELS, K=2).....</b> | <b>267</b> |
| <b>6</b> | <b>EQUIPMENT LIST.....</b>                                       | <b>268</b> |
| <b>7</b> | <b>PHOTOGRAPHS - EUT TEST SETUP DETAILS.....</b>                 | <b>269</b> |



Unless otherwise agreed 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)

## 2 Test Summary

| Test Item  | Band   | FCC Rule   | Requirements  | Test Result | Verdict |
|--|--|--|---|-------------|---------|
| Unwanted Emissions that fall Outside 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 4.3  | Pass    |
|  | 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:<br>§15.209/§7.2.5 limit (AV&PK).  |             |         |
|  | 5470-5750  | 15.407(b)(3)<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. 5.47-5.725 GHz).<br>F≥1GHz & in-restricted:<br>§15.209/§7.2.5 limit (AV&PK).   |             |         |
|  | 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 from the band edges decreasing linearly to 15.6 dBm/MHz at 5 MHz above or below the band edges;<br>b) 15.6 dBm/MHz at 5 MHz above or below the band edges decreasing linearly to 10 dBm/MHz at 25 MHz above or below the band edges;<br>c) 10 dBm/MHz at 25 MHz above or below the band edges decreasing linearly to -27 dBm/MHz at 75 MHz above or below the band edges; and<br>d) -27 dBm/MHz at frequencies more than 75 MHz above or below the band edges.<br>F≥1GHz & in-restricted:<br>§15.209/§7.2.5 limit (AV&PK). |             |         |
| Unwanted Emissions in the Restricted Bands (Radiated)                  | 5150-5250<br>5250-5350<br>5470-5725<br>5725-5850 | 15.209   | ---   | Clause 4.4  | 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)



| Test Item                         | Band   | FCC Rule                         | Requirements   | Test Result | Verdict |
|-----------------------------------|--|----------------------------------|--|-------------|---------|
| AC Power Line Conducted Emissions | 5150-5250<br>5250-5350<br>5470-5725<br>5725-5850 | 15.207                           | ---  | Clause 4.2  | Pass    |
| Dynamic Frequency Selection       | 5250-5350<br>5470-5725                           | 47 CFR Part 15, Subpart E 15.407 | Channel Move Time:10 Seconds   | Clause 4.5  | Pass    |
|                                   |  |                                  | Transmission Time: milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. |             |         |
|                                   |  |                                  | Non-occupancy period: Minimum 30 minutes   |             |         |

The difference between MACHR-W29 and MACHR-W19:

MACHR-W29/MACHR-W19 is a notebook computer,

Which supports 2.4G Wi-Fi, 5G Wi-Fi, and Bluetooth wireless frequency bands.

The difference between MACHR-W29and MACHR-W19 is show in the following table:

| model  | MACHR-W29                              | MACHR-W19                              |
|--|--|--|
| PCB layout   | The same                               | The same                               |
| Main board   | The same                               | The same                               |
| Frequency bands  | The same,support Wi-Fi 2.4G&5G,BT 2.4G | The same,support Wi-Fi 2.4G&5G,BT 2.4G |
| BT/ Wi-Fi antenna                                      | The same                               | The same                               |
| Appearance   | The same                               | The same                               |
| Dimension  | The same                               | The same                               |
| CPU  | Whiskey lake-U i7, Support max 4.6GHz  | Whiskey lake-U i5, Support max 3.9GHz  |
| GPU  | Support or Not support                 | Support or Not support                 |
| Memory   | 16/8G                                  | 8G                                     |
| SSD  | 512G/1T                                | 256G/512G                              |
| Rear camera  | Not support                            | Not support                            |
| Front camera   | The same                               | The same                               |
| Adapter  | The same                               | The same                               |
| Battery  | The same                               | The same                               |
| Optional accessories(Docking station, Bluetooth Mouse) | The same                               | The same                               |

According to the difference above, all the test were performed on MACHR-W29 and the data displayed in this report, but only the worst case were tested on MACHR-W19 and the data displayed in this report.



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

### 3 General Information

#### 3.1 Client Information

|                          |   |
|--------------------------|---|
| Applicant:               | Huawei Technologies Co., Ltd.   |
| Address of Applicant:    | Administration Building, Headquarters of Huawei Technologies Co., Ltd., Bantian, Longgang District, Shenzhen, 518129, P.R.C |
| Manufacturer:            | Huawei Technologies Co., Ltd.   |
| Address of Manufacturer: | Administration Building, Headquarters of Huawei Technologies Co., Ltd., Bantian, Longgang District, Shenzhen, 518129, P.R.C |

#### 3.2 Test Location

|            |   |
|------------|---|
| 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  |
| Telephone: | +86 (0) 755 2601 2053   |
| Fax:       | +86 (0) 755 2671 0594   |
| E-mail:    | ee.shenzhen@sgs.com   |

#### 3.3 Test Facility

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

**• CNAS (No. CNAS L2929)**

CNAS has accredited SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch EMC Lab to ISO/IEC 17025:2005 General Requirements for the Competence of Testing and Calibration Laboratories (CNAS-CL01 Accreditation Criteria for the Competence of Testing and Calibration Laboratories) for the competence in the field of testing.

**• 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.

**• Industry Canada (IC)**

Two 3m Semi-anechoic chambers and the 10m Semi-anechoic chamber of SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch EMC Lab have been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 4620C-1, 4620C-2, 4620C-3.



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

### 3.4 General Description of EUT

|                                 |   |
|---------------------------------|---|
| EUT Description::               | HUAWEI MateBook   |
| Model No.:                      | MACHR-W29/MACHR-W19   |
| Trade Mark:                     | HUAWEI  |
| Hardware Version:               | SP2MACHRW19M  |
| Software Version:               | 1.5.0.7(C001)   |
| 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 checked="" type="checkbox"/> 802.11ac (160 MHz channel bandwidth) |
| Operation Frequency:            | IEEE 802.11n(HT20/40)/ ac(HT20/40/80/160): 5150MHz to 5250MHz<br>IEEE 802.11n(HT20/40)/ ac(HT20/40/80/160): 5250MHz to 5350MHz<br>IEEE 802.11n(HT20/40)/ ac(HT20/40/80/160): 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 checked="" type="checkbox"/> Ant 2, <input type="checkbox"/> Ant 3  |
| Smart System                    | <input checked="" type="checkbox"/> SISO (for 802.11a/n/ac),<br><input checked="" type="checkbox"/> MIMO (for 802.11n/ac),<br><input type="checkbox"/> Diversity (for 802.11a) :           Tx &           Rx  |
| Antenna Gain:                   | ANT1:2.5dBi, ANT2:2.5dBi  |
| Power Supply                    | <input checked="" type="checkbox"/> AC/DC Adapter; <input type="checkbox"/> PoE.; <input type="checkbox"/> Other:   |
| EUT Power Supply:               | Model : HB4593R1ECW<br>Rated capacity: 7410mAh<br>Rated Voltage: 7.6V<br>Limited Charge Voltage: 8.7V   |
| AC adaptor:                     | Model: HW-200325UP0<br>Input Voltage :100-240V ~50/60Hz, 1.8A<br>Output Voltage: --- 5V,2A/9V,2A/12V,2A/15V,3A/20V,3.25A  |

**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 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                           |



Unless otherwise agreed 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)

|                     |   |                                |
|---------------------|---|--------------------------------|
| Greater than 10 MHz | 3 | 1 near high end, 1 near centre |
|---------------------|---|--------------------------------|

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           |
| IEEE 802.11ac 160MHz    | The Middle channel  | 5250           |

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  | 5500           |
|                         | The Highest channel | 5670           |
| IEEE 802.11ac 80MHz     | The Lowest channel  | 5500           |
|                         | The Highest channel | 5580           |
| IEEE 802.11ac 160MHz    | The Middle channel  | 5570           |

For UNII Band III:

| Mode | Channel | Frequency(MHz) |
|------|---------|----------------|
|------|---------|----------------|



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



|                         |                     |      |
|-------------------------|---------------------|------|
| 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 |

### 3.5 Test Environment and Mode

|                               |  |
|-------------------------------|--|
| <b>Operating Environment:</b> |  |
| Temperature:                  | 25.0 °C  |
| Humidity:                     | 55 % RH  |
| Atmospheric Pressure:         | 101.32 KPa   |
| <b>Test mode:</b>             |  |
| 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>Test 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 ANT1:2.5dBi, ANT2:2.5dBi. |                               |

### 4.2 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> |              |           |



Unless otherwise agreed 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**

|                               |  |
|-------------------------------|--|
| <p>Test Setup:</p>            |  |
| <p>Exploratory Test Mode:</p> | <p>Transmitting with all kind of modulations, data rates at lowest, middle and highest channel.</p>  |
| <p>Final Test Mode:</p>       | <p>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.</p> |
| <p>Instruments Used:</p>      | <p>Refer to section 6 for details</p>  |
| <p>Test Results:</p>          | <p>Pass</p>  |

**Measurement Data**

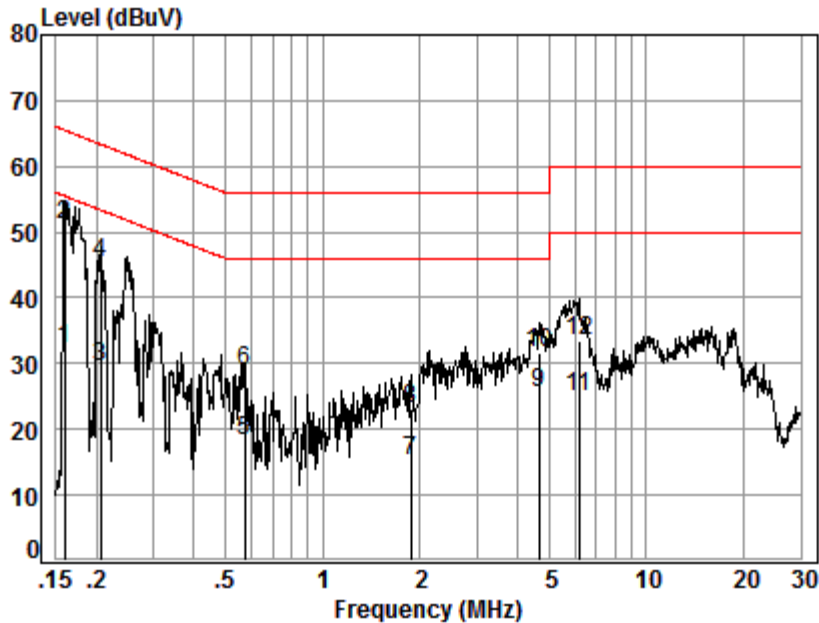
An initial pre-scan was performed on the live and neutral lines with peak detector.

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



Unless otherwise agreed 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)

Live Line:



Site : Shielding Room  
 Condition: Line  
 Job No. : 11192CR  
 Test mode: a

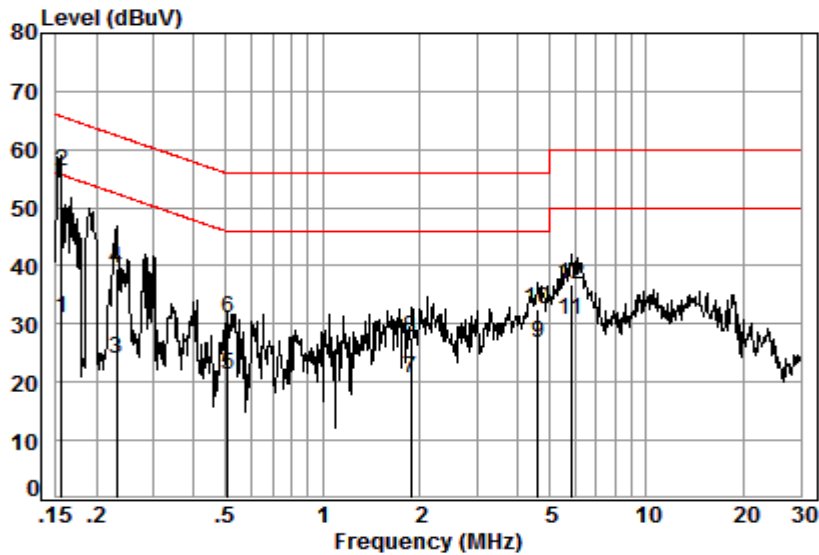
|    | Freq | Cable Loss | LISN Factor | Read Level | Limit Line | Over Limit | Remark  |
|----|------|------------|-------------|------------|------------|------------|---------|
|    | MHz  | dB         | dB          | dBuV       | dBuV       | dB         |         |
| 1  | 0.16 | 0.01       | 9.66        | 22.44      | 55.52      | -23.41     | Average |
| 2  | 0.16 | 0.01       | 9.66        | 41.54      | 65.52      | -14.31     | QP      |
| 3  | 0.21 | 0.02       | 9.66        | 19.67      | 53.36      | -24.01     | Average |
| 4  | 0.21 | 0.02       | 9.66        | 35.68      | 63.36      | -18.00     | QP      |
| 5  | 0.57 | 0.07       | 9.67        | 8.54       | 46.00      | -27.72     | Average |
| 6  | 0.57 | 0.07       | 9.67        | 19.05      | 56.00      | -27.21     | QP      |
| 7  | 1.87 | 0.15       | 9.72        | 5.34       | 46.00      | -30.79     | Average |
| 8  | 1.87 | 0.15       | 9.72        | 13.20      | 56.00      | -32.93     | QP      |
| 9  | 4.65 | 0.17       | 9.73        | 15.61      | 46.00      | -20.49     | Average |
| 10 | 4.65 | 0.17       | 9.73        | 21.74      | 56.00      | -24.36     | QP      |
| 11 | 6.19 | 0.17       | 9.77        | 15.13      | 50.00      | -24.93     | Average |
| 12 | 6.19 | 0.17       | 9.77        | 23.61      | 60.00      | -26.45     | QP      |



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <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)



Neutral Line:



Site : Shielding Room  
 Condition: Neutral  
 Job No. : 11192CR  
 Test mode: a

|    | Freq | Cable | LISN   | Read  | Limit | Over  |        |         |
|----|------|-------|--------|-------|-------|-------|--------|---------|
|    | MHz  | Loss  | Factor | Level | Level | Line  | Limit  | Remark  |
|    |      | dB    | dB     | dBuV  | dBuV  | dBuV  | dB     |         |
| 1  | 0.16 | 0.01  | 9.63   | 21.27 | 30.91 | 55.69 | -24.78 | Average |
| 2  | 0.16 | 0.01  | 9.63   | 46.69 | 56.33 | 65.69 | -9.36  | QP      |
| 3  | 0.23 | 0.03  | 9.64   | 14.48 | 24.15 | 52.44 | -28.29 | Average |
| 4  | 0.23 | 0.03  | 9.64   | 29.93 | 39.60 | 62.44 | -22.84 | QP      |
| 5  | 0.51 | 0.06  | 9.64   | 11.49 | 21.19 | 46.00 | -24.81 | Average |
| 6  | 0.51 | 0.06  | 9.64   | 21.22 | 30.92 | 56.00 | -25.08 | QP      |
| 7  | 1.88 | 0.15  | 9.69   | 10.95 | 20.79 | 46.00 | -25.21 | Average |
| 8  | 1.88 | 0.15  | 9.69   | 17.98 | 27.82 | 56.00 | -28.18 | QP      |
| 9  | 4.62 | 0.17  | 9.70   | 16.95 | 26.82 | 46.00 | -19.18 | Average |
| 10 | 4.62 | 0.17  | 9.70   | 22.80 | 32.67 | 56.00 | -23.33 | QP      |
| 11 | 5.87 | 0.17  | 9.73   | 20.71 | 30.61 | 50.00 | -19.39 | Average |
| 12 | 5.87 | 0.17  | 9.73   | 27.00 | 36.90 | 60.00 | -23.10 | QP      |

Remarks:

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



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

### 4.3 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:       |   |

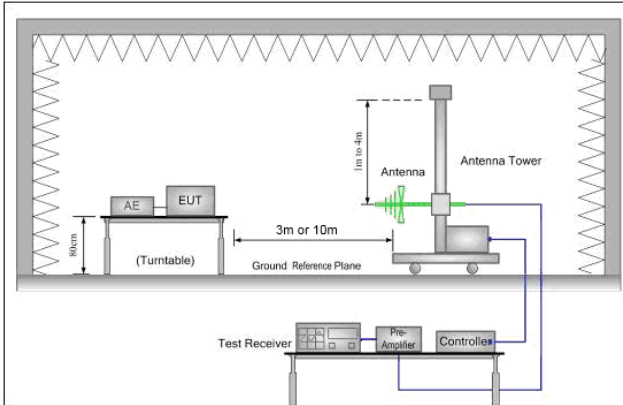


Figure 1. 30MHz to 1GHz

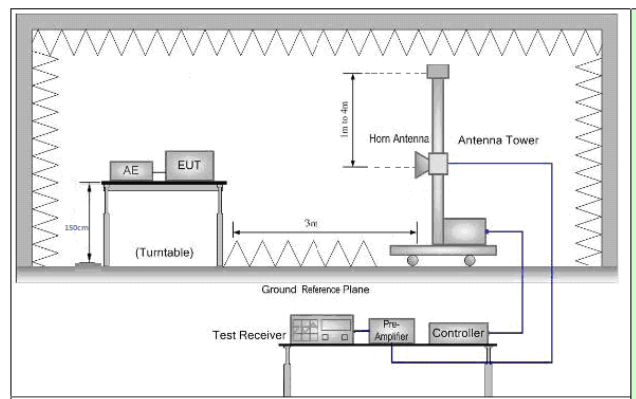


Figure 2. Above 1 GHz

**Test Procedure:**

- a. 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.
- b. 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.
- c. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- d. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- e. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- g. Test the EUT in the outermost channels.
- h. 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.



Unless otherwise agreed 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)

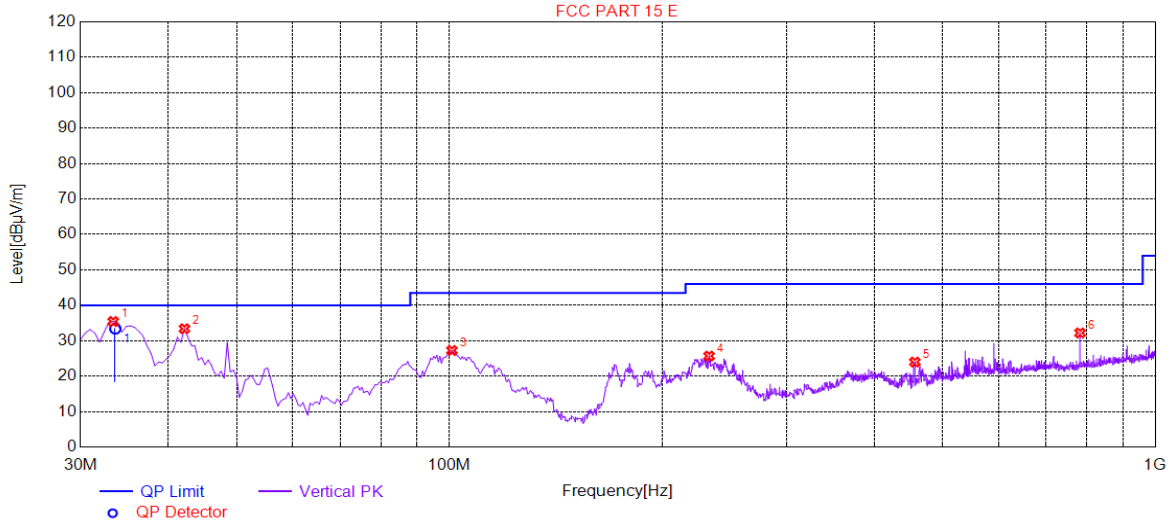
|                        |  |
|------------------------|--|
|                        | i. Repeat above procedures until all frequencies measured was complete.  |
| Exploratory Test Mode: | Transmitting with all kind of modulations, data rates.   |
| Final Test Mode:       | Through Pre-scan, find the 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>MCSAC0 of rate is the worst case of 802.11ac(HT20);<br>MCSAC0 of rate is the worst case of 802.11ac(HT40);<br>MCSAC0 of rate is the worst case of 802.11ac(HT80);<br>MCSAC0 of rate is the worst case of 802.11ac(HT160)<br>For below 1GHz, through Pre-scan, find the 1Mbps 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 6 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-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)

**4.3.1 Radiated emission below 1GHz for W29**

| 30MHz~1GHz (QP) |              |          |
|-----------------|--------------|----------|
| Test mode:      | Transmitting | Vertical |

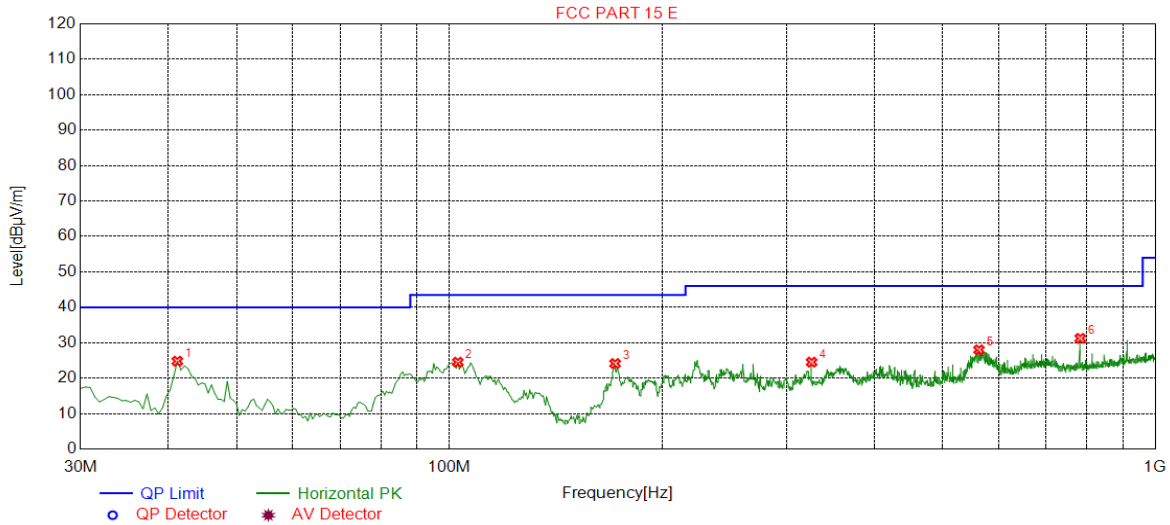


| Suspected List |             |                |             |                |             |             |           |          |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| NO.            | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1              | 33.3967     | 35.43          | -33.00      | 40.00          | 4.57        | 100         | 14        | Vertical |
| 2              | 42.1311     | 33.39          | -30.95      | 40.00          | 6.61        | 100         | 351       | Vertical |
| 3              | 100.8454    | 27.25          | -32.00      | 43.50          | 16.25       | 100         | 48        | Vertical |
| 4              | 233.3167    | 25.67          | -30.30      | 46.00          | 20.33       | 100         | 297       | Vertical |
| 5              | 456.5283    | 23.98          | -24.28      | 46.00          | 22.02       | 100         | 204       | Vertical |
| 6              | 782.6113    | 32.20          | -17.98      | 46.00          | 13.80       | 200         | 173       | Vertical |





|            |              |            |
|------------|--------------|------------|
| Test mode: | Transmitting | Horizontal |
|------------|--------------|------------|

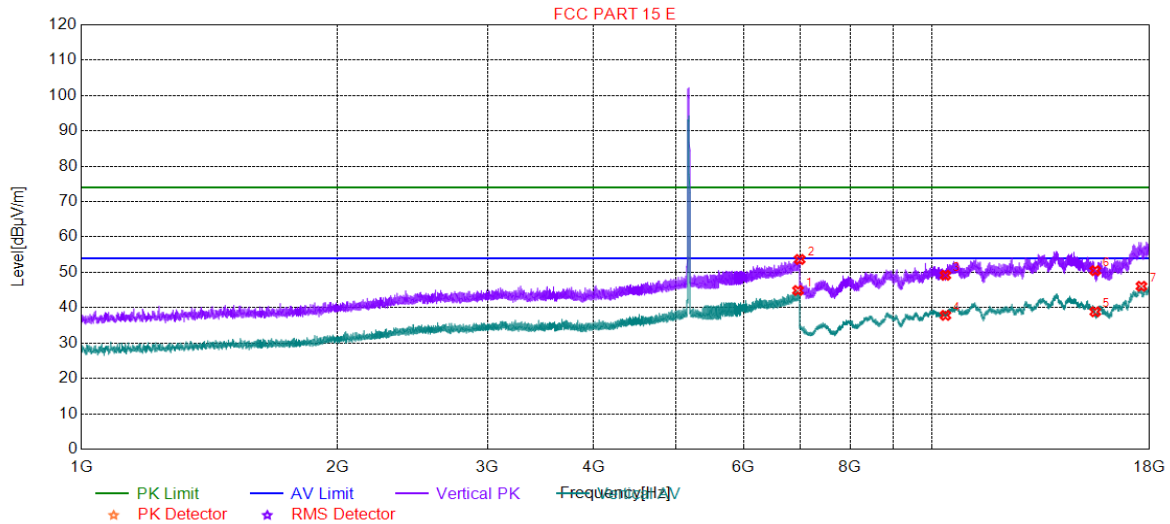


| Suspected List |             |                |             |                |             |             |           |            |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| NO.            | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1              | 41.1606     | 24.79          | -31.13      | 40.00          | 15.21       | 200         | 22        | Horizontal |
| 2              | 102.7864    | 24.51          | -32.00      | 43.50          | 18.99       | 100         | 246       | Horizontal |
| 3              | 171.6908    | 24.12          | -33.91      | 43.50          | 19.38       | 100         | 158       | Horizontal |
| 4              | 325.9980    | 24.52          | -27.53      | 46.00          | 21.48       | 100         | 176       | Horizontal |
| 5              | 562.7964    | 27.99          | -21.68      | 46.00          | 18.01       | 200         | 346       | Horizontal |
| 6              | 783.0965    | 31.23          | -17.97      | 46.00          | 14.77       | 100         | 221       | Horizontal |



### 4.3.2 Transmitter emission above 1GHz for W29

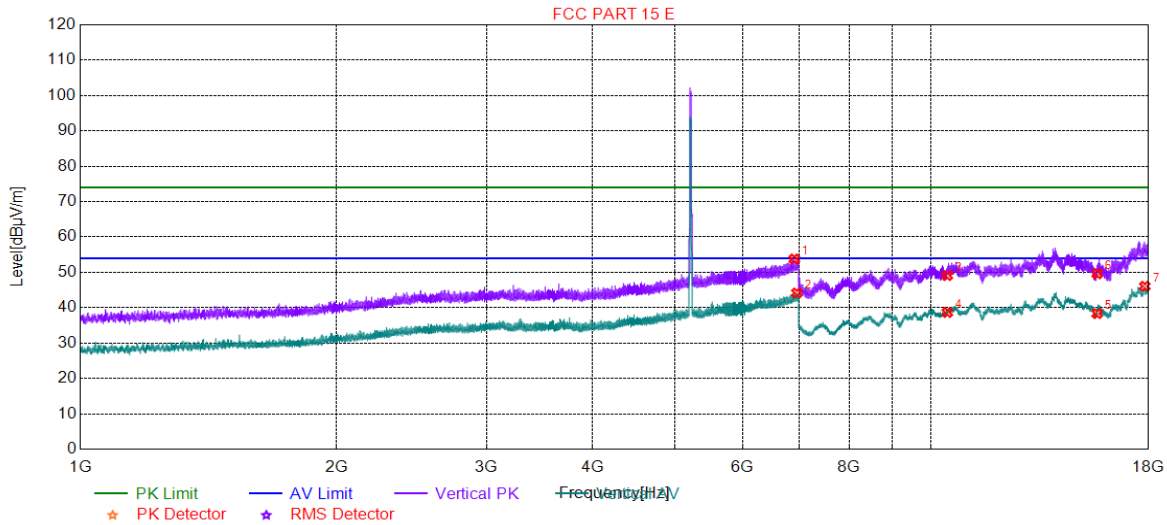
#### 4.3.2.1 11A20\_36\_Vertical



| Suspected List |             |                |             |                |             |             |           |          |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| NO.            | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1              | 6951.0976   | 44.87          | 12.59       | 54.00          | 9.13        | 150         | 54        | Vertical |
| 2              | 6983.7992   | 53.65          | 12.71       | 74.00          | 20.35       | 150         | 342       | Vertical |
| 3              | 10360.0000  | 49.18          | -5.35       | 74.00          | 24.82       | 150         | 217       | Vertical |
| 4              | 10360.0000  | 37.84          | -5.35       | 54.00          | 16.16       | 150         | 75        | Vertical |
| 5              | 15540.0000  | 38.86          | -3.26       | 54.00          | 15.14       | 150         | 103       | Vertical |
| 6              | 15540.0000  | 50.48          | -3.26       | 74.00          | 23.52       | 150         | 246       | Vertical |
| 7              | 17605.0803  | 46.06          | 1.50        | 54.00          | 7.94        | 150         | 217       | Vertical |



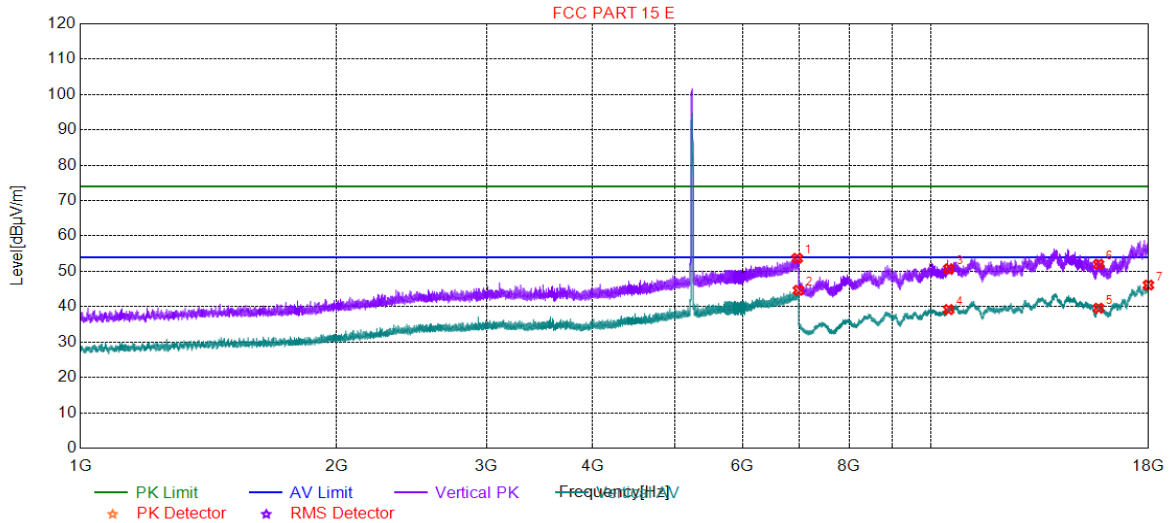
**4.3.2.2 11A20\_44\_Vertical**



| Suspected List |             |                |             |                |             |             |           |          |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| NO.            | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1              | 6901.2951   | 53.79          | 12.40       | 74.00          | 20.21       | 150         | 1         | Vertical |
| 2              | 6949.8975   | 44.18          | 12.58       | 54.00          | 9.82        | 150         | 169       | Vertical |
| 3              | 10440.0000  | 49.11          | -4.92       | 74.00          | 24.89       | 150         | 274       | Vertical |
| 4              | 10440.0000  | 38.66          | -4.92       | 54.00          | 15.34       | 150         | 189       | Vertical |
| 5              | 15660.0000  | 38.35          | -3.54       | 54.00          | 15.65       | 150         | 218       | Vertical |
| 6              | 15660.0000  | 49.60          | -3.54       | 74.00          | 24.40       | 150         | 47        | Vertical |
| 7              | 17816.2908  | 46.06          | -0.83       | 54.00          | 7.94        | 150         | 47        | Vertical |



**4.3.2.3 11A20\_48\_Vertical**

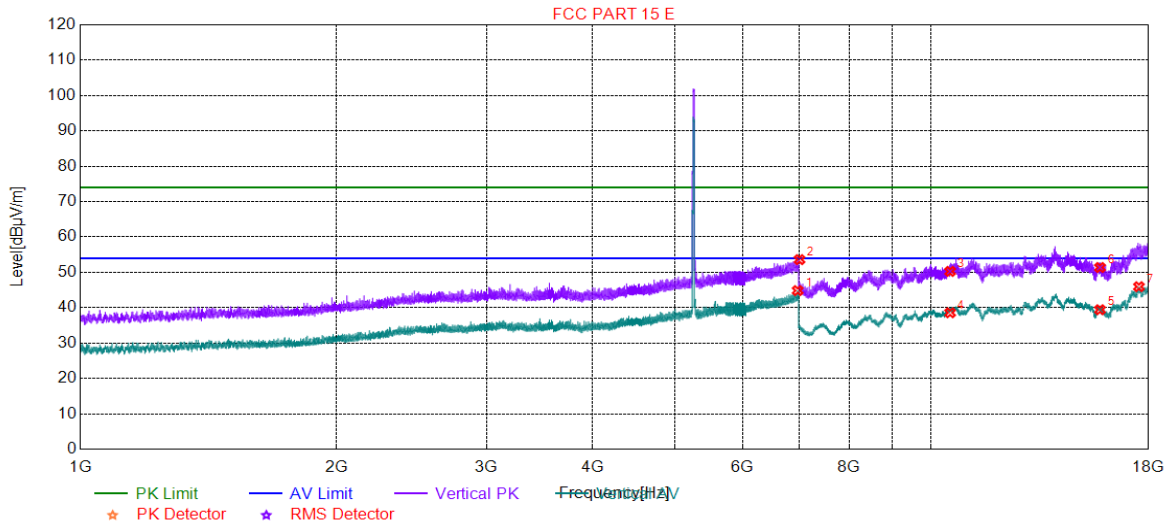


| Suspected List |             |                |             |                |             |             |           |          |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| NO.            | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1              | 6955.2978   | 53.69          | 12.60       | 74.00          | 20.31       | 150         | 165       | Vertical |
| 2              | 6979.5990   | 44.64          | 12.69       | 54.00          | 9.36        | 150         | 50        | Vertical |
| 3              | 10480.0000  | 50.71          | -4.49       | 74.00          | 23.29       | 150         | 172       | Vertical |
| 4              | 10480.0000  | 39.20          | -4.49       | 54.00          | 14.80       | 150         | 112       | Vertical |
| 5              | 15720.0000  | 39.60          | -2.65       | 54.00          | 14.40       | 150         | 230       | Vertical |
| 6              | 15720.0000  | 52.04          | -2.65       | 74.00          | 21.96       | 150         | 315       | Vertical |
| 7              | 17990.0995  | 46.12          | -0.43       | 54.00          | 7.88        | 150         | 144       | Vertical |





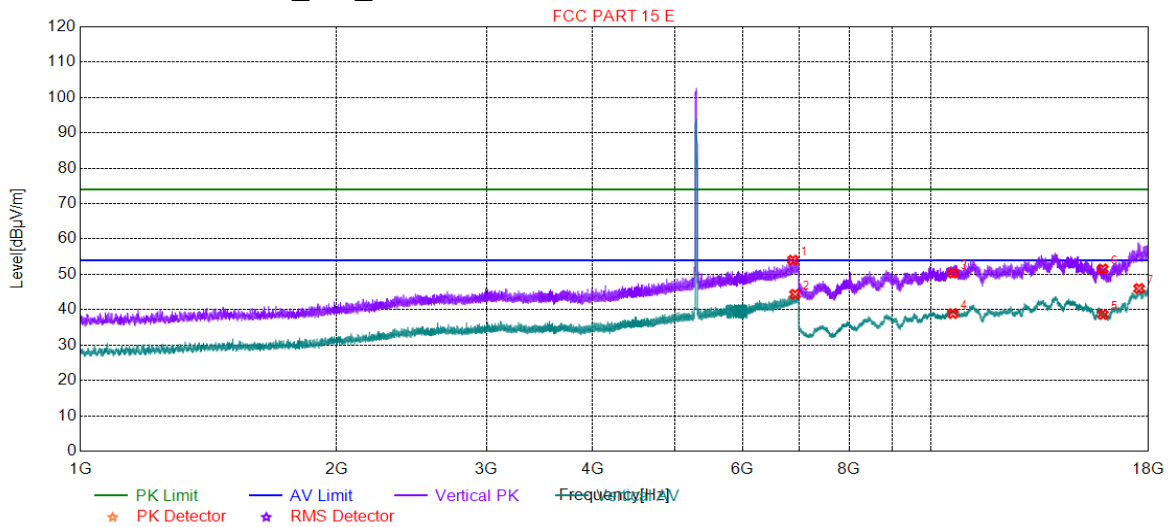
**4.3.2.4 11A20\_52\_Vertical**



| Suspected List |             |                |             |                |             |             |           |          |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| NO.            | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1              | 6963.9982   | 44.84          | 12.64       | 54.00          | 9.16        | 150         | 227       | Vertical |
| 2              | 6998.7999   | 53.60          | 12.77       | 74.00          | 20.40       | 150         | 2         | Vertical |
| 3              | 10520.0000  | 50.27          | -4.37       | 74.00          | 23.73       | 150         | 246       | Vertical |
| 4              | 10520.0000  | 38.57          | -4.37       | 54.00          | 15.43       | 150         | 132       | Vertical |
| 5              | 15780.0000  | 39.43          | -2.36       | 54.00          | 14.57       | 150         | 332       | Vertical |
| 6              | 15780.0000  | 51.37          | -2.36       | 74.00          | 22.63       | 150         | 189       | Vertical |
| 7              | 17534.1267  | 45.95          | 0.79        | 54.00          | 8.05        | 150         | 246       | Vertical |



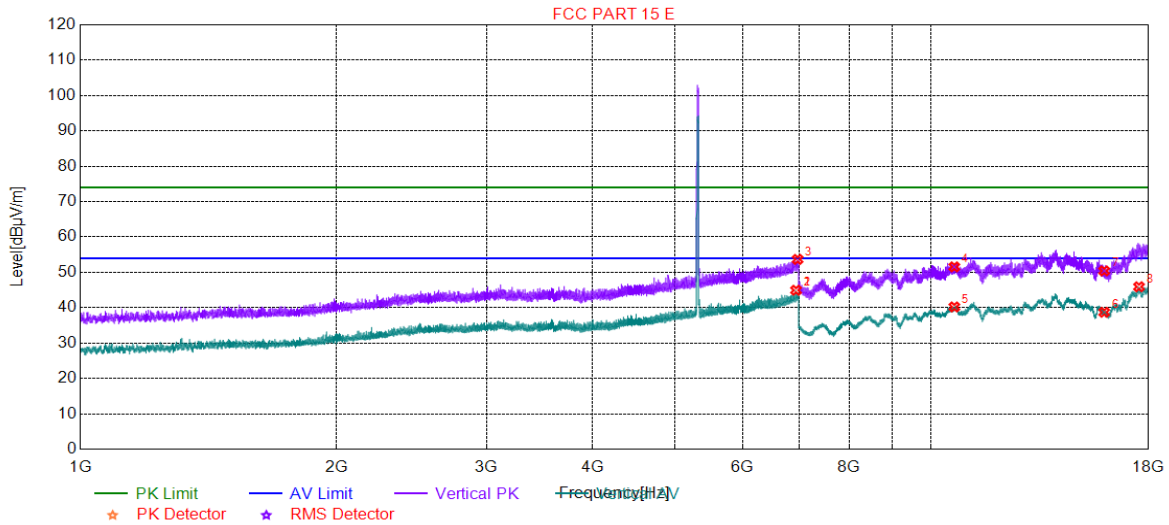
**4.3.2.5 11A20\_60\_Vertical**



| Suspected List |             |                |             |                |             |             |           |          |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| NO.            | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1              | 6876.0938   | 54.02          | 12.31       | 74.00          | 19.98       | 150         | 112       | Vertical |
| 2              | 6913.2957   | 44.35          | 12.45       | 54.00          | 9.65        | 150         | 141       | Vertical |
| 3              | 10600.0000  | 50.35          | -4.75       | 74.00          | 23.65       | 150         | 18        | Vertical |
| 4              | 10600.0000  | 38.92          | -4.75       | 54.00          | 15.08       | 150         | 18        | Vertical |
| 5              | 15900.0000  | 38.64          | -3.75       | 54.00          | 15.36       | 150         | 74        | Vertical |
| 6              | 15900.0000  | 51.52          | -3.75       | 74.00          | 22.48       | 150         | 273       | Vertical |
| 7              | 17540.1770  | 46.00          | 0.86        | 54.00          | 8.00        | 150         | 273       | Vertical |



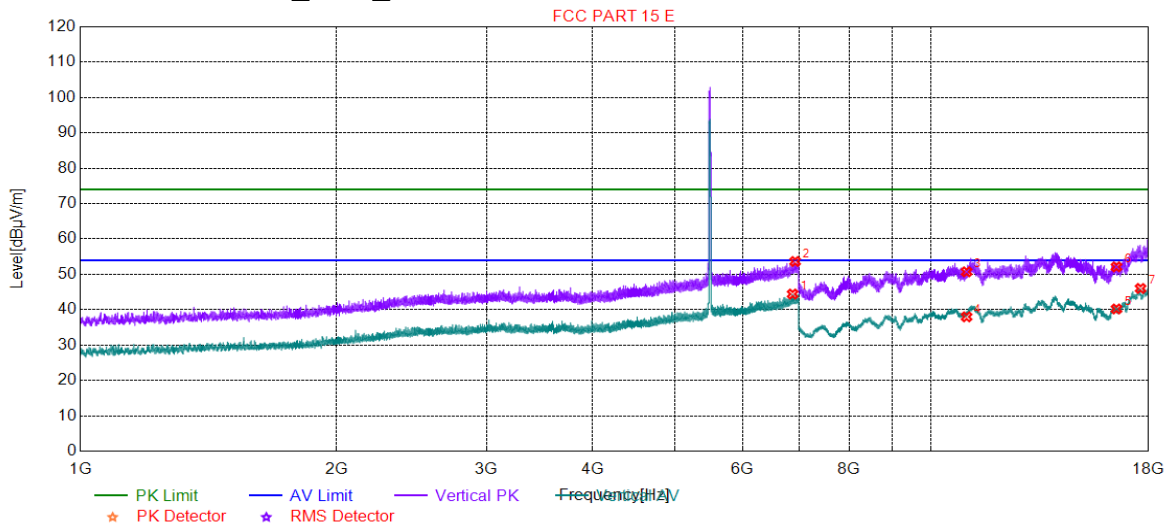
**4.3.2.6 11A20\_64\_Vertical**



| Suspected List |             |                |             |                |             |             |           |          |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| NO.            | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1              | 6933.0967   | 44.94          | 12.52       | 54.00          | 9.06        | 150         | 26        | Vertical |
| 2              | 6933.0967   | 44.94          | 12.52       | 54.00          | 9.06        | 150         | 26        | Vertical |
| 3              | 6963.0982   | 53.66          | 12.63       | 74.00          | 20.34       | 150         | 26        | Vertical |
| 4              | 10640.0000  | 51.55          | -4.69       | 74.00          | 22.45       | 150         | 273       | Vertical |
| 5              | 10640.0000  | 40.22          | -4.69       | 54.00          | 13.78       | 150         | 159       | Vertical |
| 6              | 15960.0000  | 38.71          | -3.70       | 54.00          | 15.29       | 150         | 216       | Vertical |
| 7              | 15960.0000  | 50.41          | -3.70       | 74.00          | 23.59       | 150         | 330       | Vertical |
| 8              | 17536.8768  | 45.93          | 0.82        | 54.00          | 8.07        | 150         | 330       | Vertical |



**4.3.2.7 11A20\_100\_Vertical**

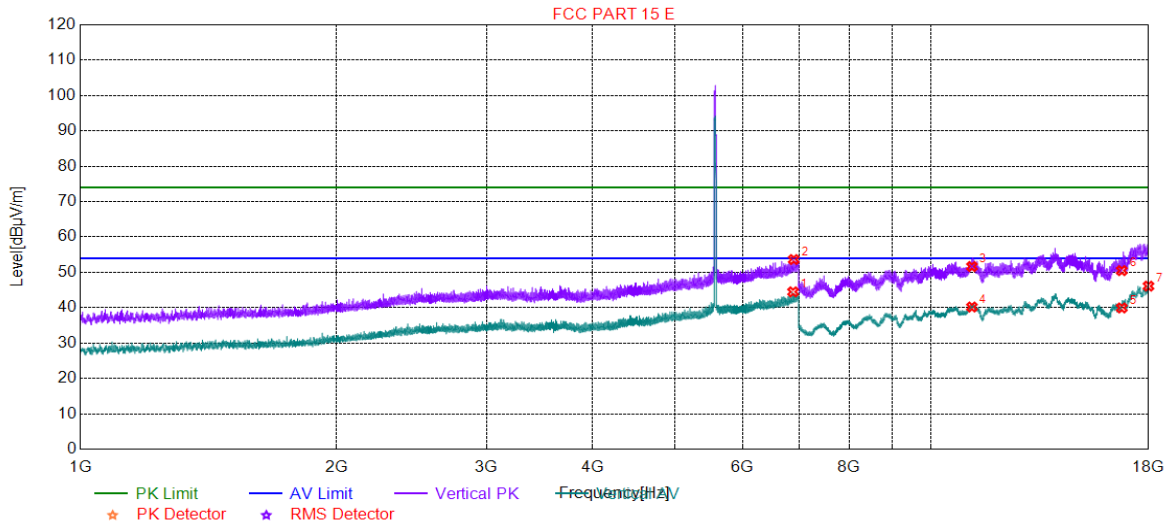


| Suspected List |             |                |             |                |             |             |           |          |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| NO.            | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1              | 6869.7935   | 44.43          | 12.29       | 54.00          | 9.57        | 150         | 284       | Vertical |
| 2              | 6916.8958   | 53.64          | 12.46       | 74.00          | 20.36       | 150         | 112       | Vertical |
| 3              | 11000.0000  | 50.72          | -4.28       | 74.00          | 23.28       | 150         | 332       | Vertical |
| 4              | 11000.0000  | 37.99          | -4.28       | 54.00          | 16.01       | 150         | 218       | Vertical |
| 5              | 16500.0000  | 40.22          | -3.62       | 54.00          | 13.78       | 150         | 161       | Vertical |
| 6              | 16500.0000  | 52.12          | -3.62       | 74.00          | 21.88       | 150         | 75        | Vertical |
| 7              | 17612.2306  | 46.01          | 1.31        | 54.00          | 7.99        | 150         | 47        | Vertical |





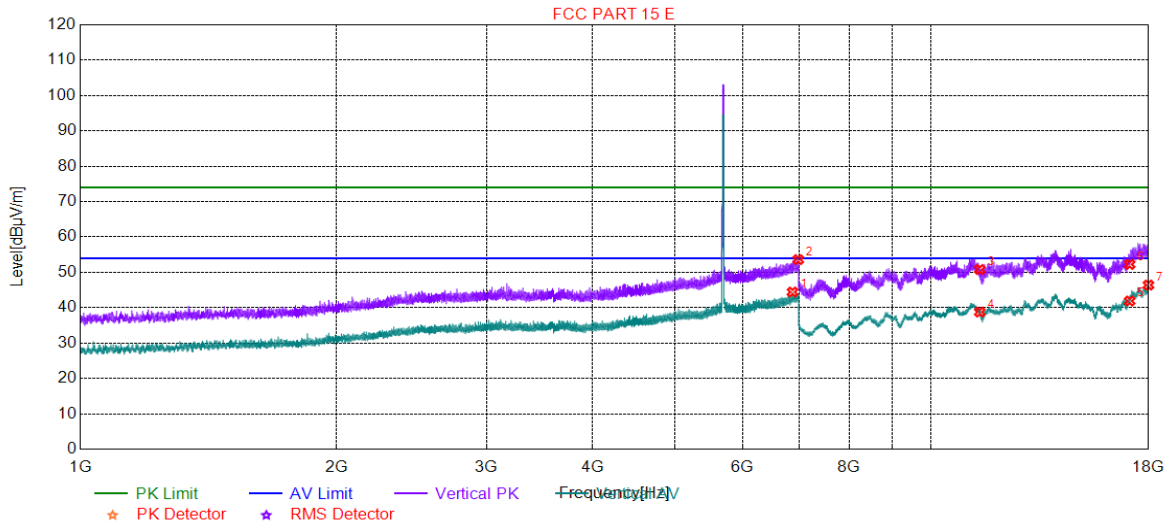
**4.3.2.8 11A20\_116\_Vertical**



| Suspected List |             |                |             |                |             |             |           |          |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| NO.            | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1              | 6878.1939   | 44.49          | 12.32       | 54.00          | 9.51        | 150         | 113       | Vertical |
| 2              | 6890.1945   | 53.62          | 12.36       | 74.00          | 20.38       | 150         | 84        | Vertical |
| 3              | 11160.0000  | 51.65          | -3.43       | 74.00          | 22.35       | 150         | 189       | Vertical |
| 4              | 11160.0000  | 40.21          | -3.43       | 54.00          | 13.79       | 150         | 47        | Vertical |
| 5              | 16740.0000  | 39.94          | -3.33       | 54.00          | 14.06       | 150         | 218       | Vertical |
| 6              | 16740.0000  | 50.49          | -3.33       | 74.00          | 23.51       | 150         | 47        | Vertical |
| 7              | 17993.3997  | 46.11          | -0.40       | 54.00          | 7.89        | 150         | 306       | Vertical |



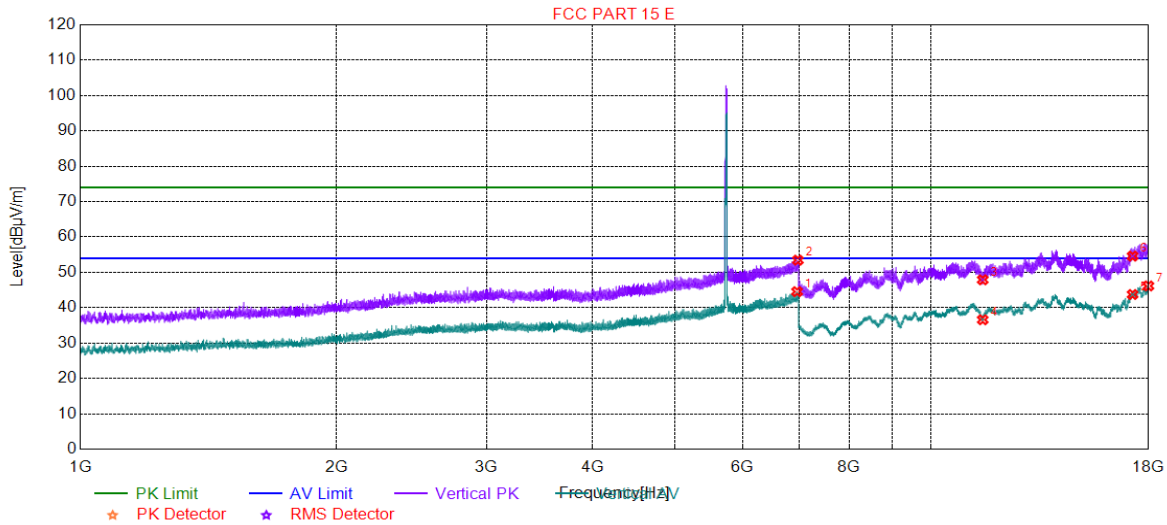
**4.3.2.9 11A20\_140\_Vertical**



| Suspected List |             |                |             |                |             |             |           |          |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| NO.            | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1              | 6867.9934   | 44.44          | 12.28       | 54.00          | 9.56        | 150         | 142       | Vertical |
| 2              | 6974.7987   | 53.60          | 12.68       | 74.00          | 20.40       | 150         | 228       | Vertical |
| 3              | 11400.0000  | 50.80          | -4.42       | 74.00          | 23.20       | 150         | 161       | Vertical |
| 4              | 11400.0000  | 38.78          | -4.42       | 54.00          | 15.22       | 150         | 47        | Vertical |
| 5              | 17100.0000  | 41.90          | -3.09       | 54.00          | 12.10       | 150         | 189       | Vertical |
| 6              | 17100.0000  | 52.25          | -3.09       | 74.00          | 21.75       | 150         | 331       | Vertical |
| 7              | 17991.7496  | 46.41          | -0.41       | 54.00          | 7.59        | 150         | 331       | Vertical |



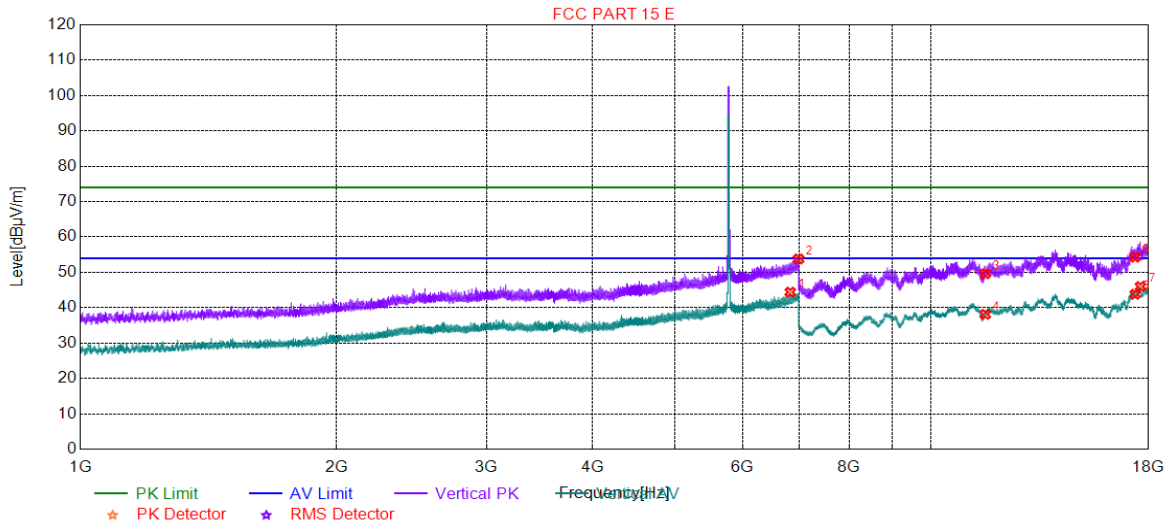
**4.3.2.10 11A20\_149\_Vertical**



| Suspected List |             |                |             |                |             |             |           |          |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| NO.            | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1              | 6952.8976   | 44.55          | 12.60       | 54.00          | 9.45        | 150         | 83        | Vertical |
| 2              | 6967.8984   | 53.44          | 12.65       | 74.00          | 20.56       | 150         | 255       | Vertical |
| 3              | 11490.0000  | 47.90          | -5.65       | 74.00          | 26.10       | 150         | 18        | Vertical |
| 4              | 11490.0000  | 36.59          | -5.65       | 54.00          | 17.41       | 150         | 18        | Vertical |
| 5              | 17235.0000  | 43.74          | -1.47       | 54.00          | 10.26       | 150         | 104       | Vertical |
| 6              | 17235.0000  | 54.59          | -1.47       | 74.00          | 19.41       | 150         | 218       | Vertical |
| 7              | 17991.1996  | 46.16          | -0.42       | 54.00          | 7.84        | 150         | 189       | Vertical |



**4.3.2.11 11A20\_157\_Vertical**

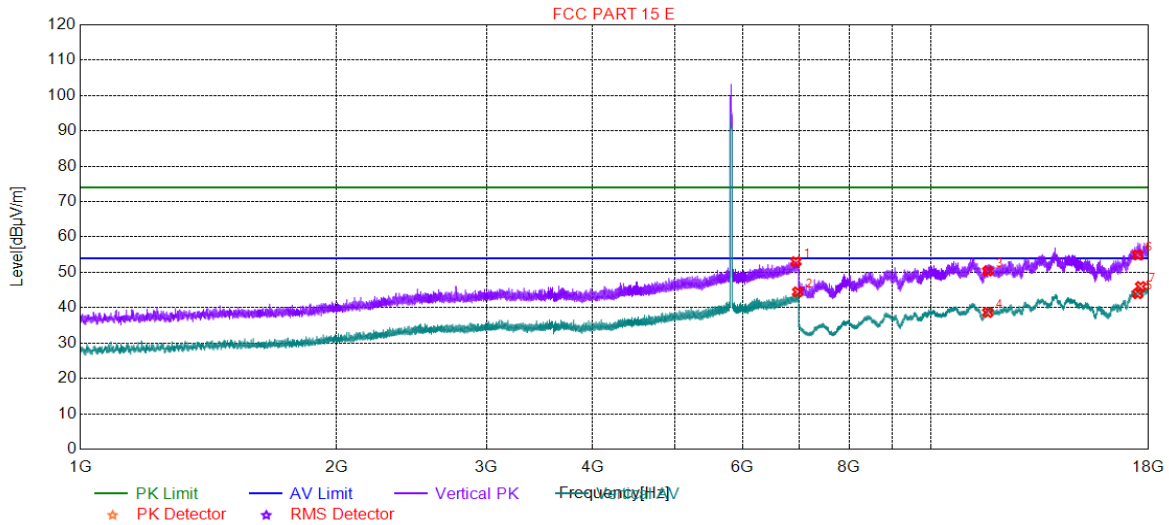


| Suspected List |             |                |             |                |             |             |           |          |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| NO.            | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1              | 6826.8913   | 44.40          | 12.12       | 54.00          | 9.60        | 150         | 284       | Vertical |
| 2              | 6980.4990   | 53.79          | 12.70       | 74.00          | 20.21       | 150         | 84        | Vertical |
| 3              | 11570.0000  | 49.59          | -3.87       | 74.00          | 24.41       | 150         | 133       | Vertical |
| 4              | 11570.0000  | 38.13          | -3.87       | 54.00          | 15.87       | 150         | 332       | Vertical |
| 5              | 17355.0000  | 43.82          | -1.07       | 54.00          | 10.18       | 150         | 358       | Vertical |
| 6              | 17355.0000  | 54.29          | -1.07       | 74.00          | 19.71       | 150         | 162       | Vertical |
| 7              | 17606.1803  | 45.99          | 1.47        | 54.00          | 8.01        | 150         | 47        | Vertical |





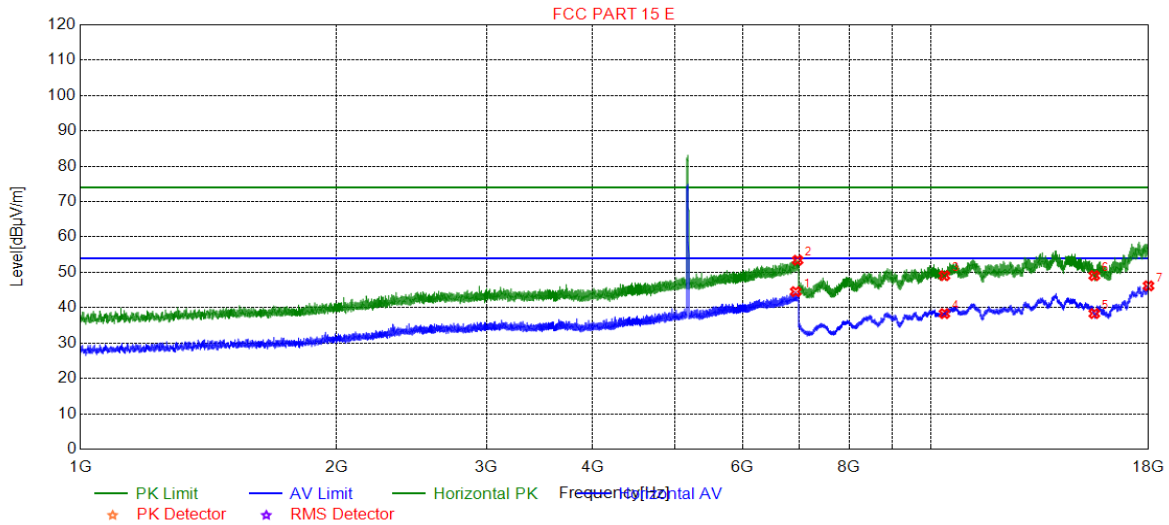
**4.3.2.12 11A20\_165\_Vertical**



| Suspected List |             |                |             |                |             |             |           |          |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| NO.            | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1              | 6931.8966   | 53.04          | 12.52       | 74.00          | 20.96       | 150         | 228       | Vertical |
| 2              | 6966.0983   | 44.47          | 12.64       | 54.00          | 9.53        | 150         | 342       | Vertical |
| 3              | 11650.0000  | 50.36          | -3.16       | 74.00          | 23.64       | 150         | 18        | Vertical |
| 4              | 11650.0000  | 38.65          | -3.16       | 54.00          | 15.35       | 150         | 218       | Vertical |
| 5              | 17475.0000  | 43.97          | 0.02        | 54.00          | 10.03       | 150         | 331       | Vertical |
| 6              | 17475.0000  | 54.93          | 0.02        | 74.00          | 19.07       | 150         | 274       | Vertical |
| 7              | 17616.0808  | 46.01          | 1.21        | 54.00          | 7.99        | 150         | 189       | Vertical |



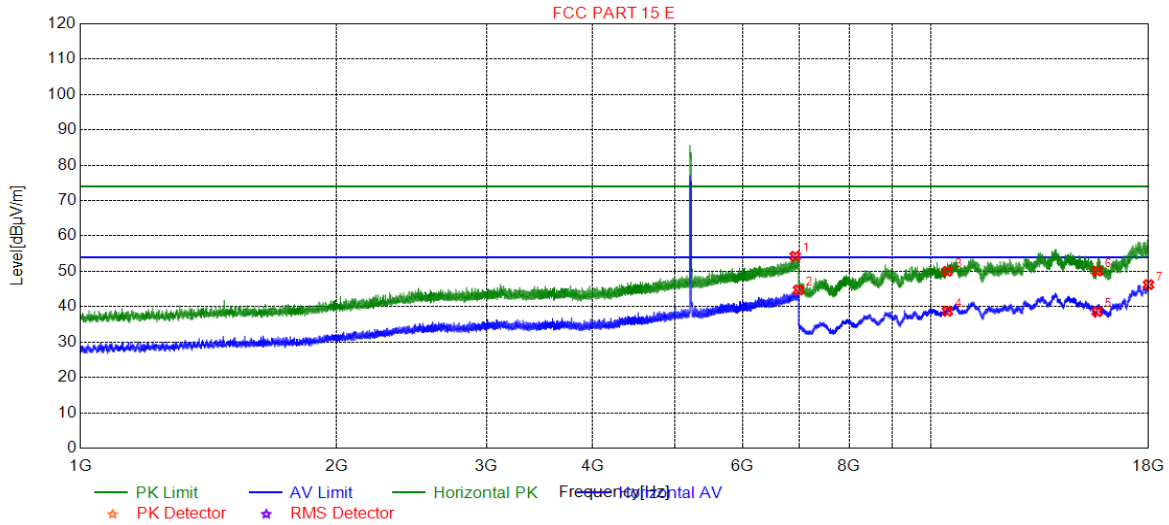
**4.3.2.13 11A20\_36 \_ Horizontal**



| Suspected List |             |                |             |                |             |             |           |            |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| NO.            | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1              | 6927.9964   | 44.55          | 12.50       | 54.00          | 9.45        | 150         | 18        | Horizontal |
| 2              | 6963.0982   | 53.43          | 12.63       | 74.00          | 20.57       | 150         | 134       | Horizontal |
| 3              | 10360.0000  | 49.06          | -5.35       | 74.00          | 24.94       | 150         | 142       | Horizontal |
| 4              | 10360.0000  | 38.34          | -5.35       | 54.00          | 15.66       | 150         | 170       | Horizontal |
| 5              | 15540.0000  | 38.35          | -3.26       | 54.00          | 15.65       | 150         | 228       | Horizontal |
| 6              | 15540.0000  | 49.07          | -3.26       | 74.00          | 24.93       | 150         | 28        | Horizontal |
| 7              | 17995.0498  | 46.18          | -0.39       | 54.00          | 7.82        | 150         | 114       | Horizontal |



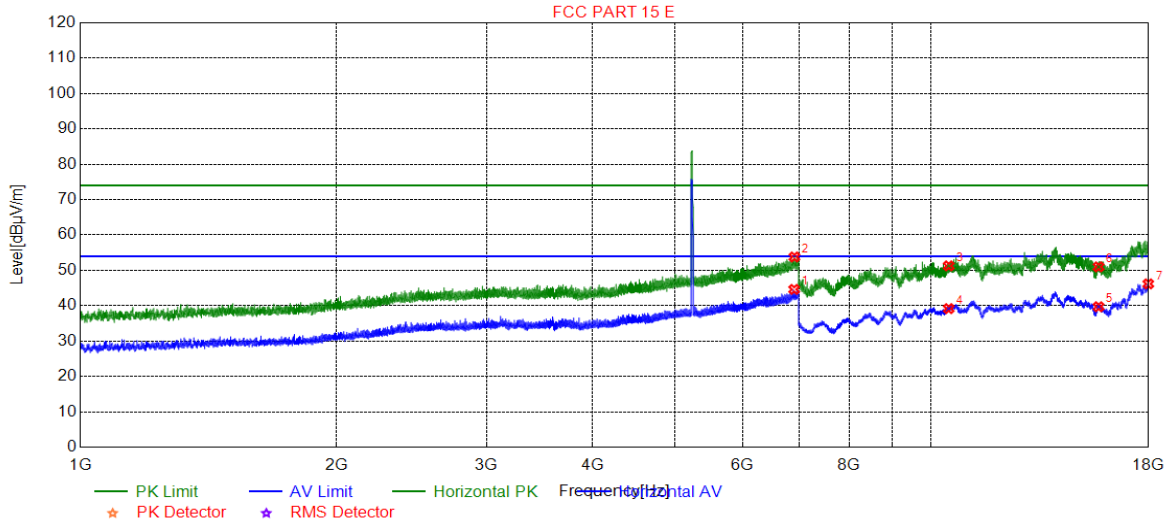
4.3.2.14 11A20\_44 \_ Horizontal



| Suspected List |             |                |             |                |             |             |           |            |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| NO.            | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1              | 6918.0959   | 54.26          | 12.47       | 74.00          | 19.74       | 150         | 133       | Horizontal |
| 2              | 6981.0991   | 44.75          | 12.70       | 54.00          | 9.25        | 150         | 248       | Horizontal |
| 3              | 10440.0000  | 50.03          | -4.92       | 74.00          | 23.97       | 150         | 86        | Horizontal |
| 4              | 10440.0000  | 38.73          | -4.92       | 54.00          | 15.27       | 150         | 285       | Horizontal |
| 5              | 15660.0000  | 38.60          | -3.54       | 54.00          | 15.40       | 150         | 114       | Horizontal |
| 6              | 15660.0000  | 50.08          | -3.54       | 74.00          | 23.92       | 150         | 285       | Horizontal |
| 7              | 17992.8496  | 46.25          | -0.40       | 54.00          | 7.75        | 150         | 342       | Horizontal |



**4.3.2.15 11A20\_48 \_ Horizontal**

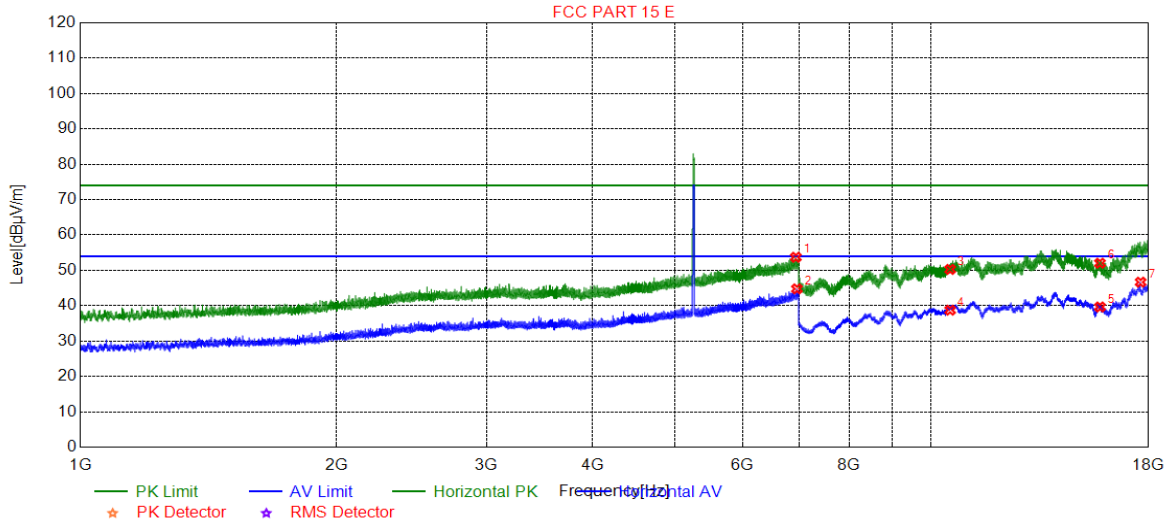


| Suspected List |             |                |             |                |             |             |           |            |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| NO.            | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1              | 6897.9949   | 44.62          | 12.39       | 54.00          | 9.38        | 150         | 133       | Horizontal |
| 2              | 6903.0952   | 53.79          | 12.41       | 74.00          | 20.21       | 150         | 191       | Horizontal |
| 3              | 10480.0000  | 51.27          | -4.49       | 74.00          | 22.73       | 150         | 171       | Horizontal |
| 4              | 10480.0000  | 39.18          | -4.49       | 54.00          | 14.82       | 150         | 285       | Horizontal |
| 5              | 15720.0000  | 39.72          | -2.65       | 54.00          | 14.28       | 150         | 285       | Horizontal |
| 6              | 15720.0000  | 50.99          | -2.65       | 74.00          | 23.01       | 150         | 200       | Horizontal |
| 7              | 17984.0492  | 46.18          | -0.47       | 54.00          | 7.82        | 150         | 200       | Horizontal |





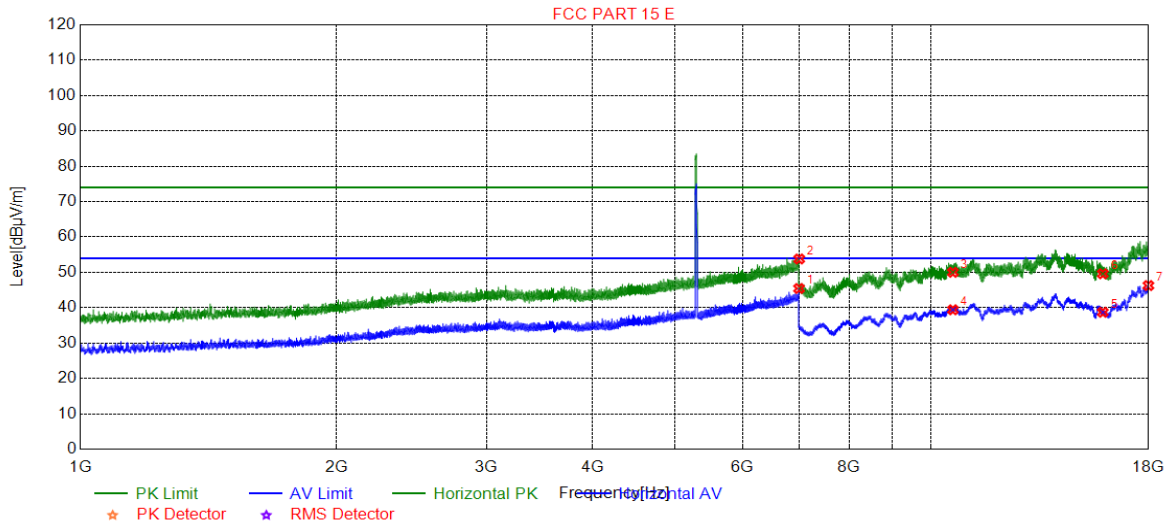
**4.3.2.16 11A20\_52 \_ Horizontal**



| Suspected List |             |                |             |                |             |             |           |            |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| NO.            | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1              | 6930.3965   | 53.70          | 12.51       | 74.00          | 20.30       | 150         | 343       | Horizontal |
| 2              | 6950.1975   | 44.77          | 12.59       | 54.00          | 9.23        | 150         | 314       | Horizontal |
| 3              | 10520.0000  | 50.27          | -4.37       | 74.00          | 23.73       | 150         | 279       | Horizontal |
| 4              | 10520.0000  | 38.75          | -4.37       | 54.00          | 15.25       | 150         | 222       | Horizontal |
| 5              | 15780.0000  | 39.65          | -2.36       | 54.00          | 14.35       | 150         | 193       | Horizontal |
| 6              | 15780.0000  | 52.03          | -2.36       | 74.00          | 21.97       | 150         | 137       | Horizontal |
| 7              | 17614.4307  | 46.66          | 1.25        | 54.00          | 7.34        | 150         | 80        | Horizontal |



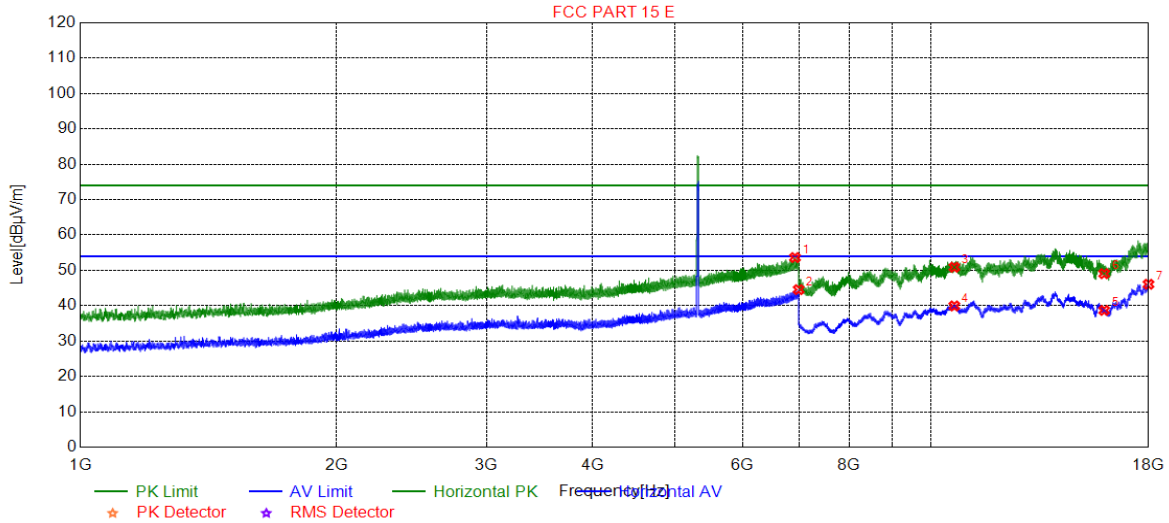
**4.3.2.17 11A20\_60\_Horizontal**



| Suspected List |             |                |             |                |             |             |           |            |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| NO.            | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1              | 6990.3995   | 45.44          | 12.73       | 54.00          | 8.56        | 150         | 135       | Horizontal |
| 2              | 6993.6997   | 53.78          | 12.75       | 74.00          | 20.22       | 150         | 18        | Horizontal |
| 3              | 10600.0000  | 50.01          | -4.75       | 74.00          | 23.99       | 150         | 279       | Horizontal |
| 4              | 10600.0000  | 39.42          | -4.75       | 54.00          | 14.58       | 150         | 104       | Horizontal |
| 5              | 15900.0000  | 38.72          | -3.75       | 54.00          | 15.28       | 150         | 48        | Horizontal |
| 6              | 15900.0000  | 49.60          | -3.75       | 74.00          | 24.40       | 150         | 189       | Horizontal |
| 7              | 17989.5495  | 46.27          | -0.43       | 54.00          | 7.73        | 150         | 307       | Horizontal |



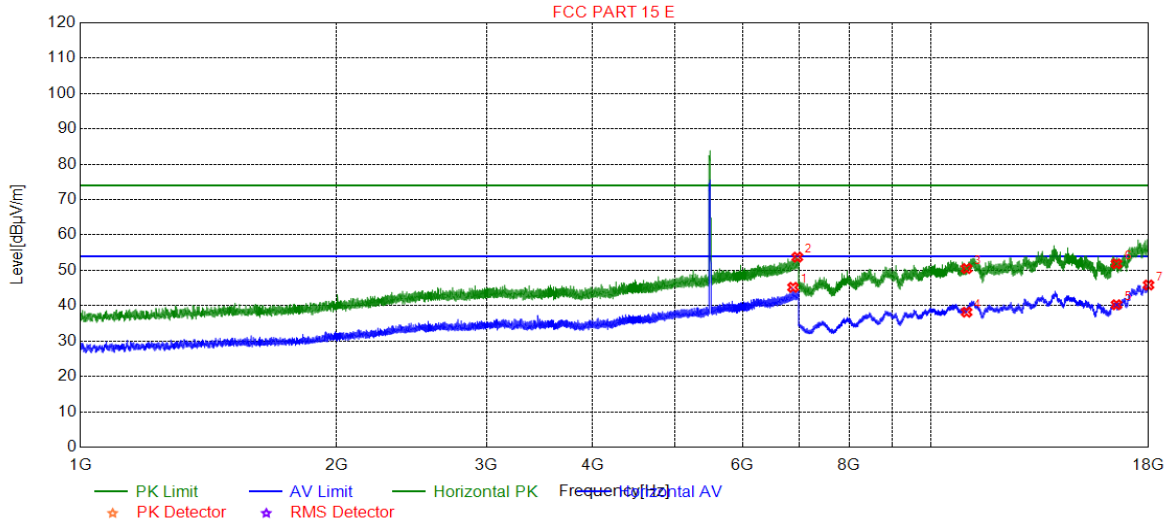
**4.3.2.18 11A20\_64 \_ Horizontal**



| Suspected List |             |                |             |                |             |             |           |            |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| NO.            | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1              | 6913.8957   | 53.62          | 12.45       | 74.00          | 20.38       | 150         | 105       | Horizontal |
| 2              | 6982.2991   | 44.55          | 12.70       | 54.00          | 9.45        | 150         | 251       | Horizontal |
| 3              | 10640.0000  | 50.88          | -4.69       | 74.00          | 23.12       | 150         | 342       | Horizontal |
| 4              | 10640.0000  | 39.94          | -4.69       | 54.00          | 14.06       | 150         | 257       | Horizontal |
| 5              | 15960.0000  | 38.68          | -3.70       | 54.00          | 15.32       | 150         | 342       | Horizontal |
| 6              | 15960.0000  | 49.07          | -3.70       | 74.00          | 24.93       | 150         | 257       | Horizontal |
| 7              | 17994.4997  | 46.07          | -0.39       | 54.00          | 7.93        | 150         | 257       | Horizontal |



**4.3.2.19 11A20\_100 \_ Horizontal**

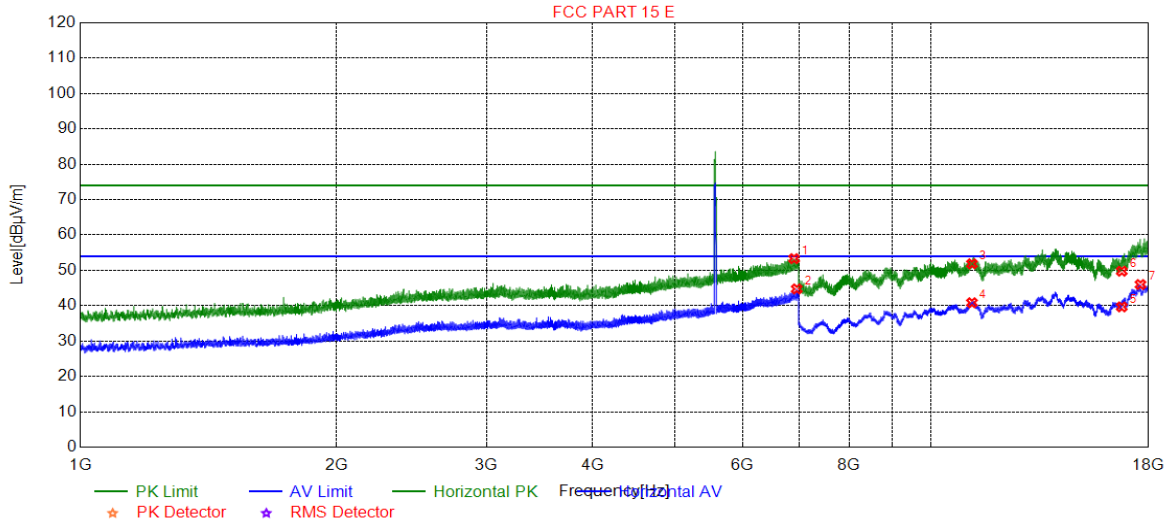


| Suspected List |             |                |             |                |             |             |           |            |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| NO.            | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1              | 6878.4939   | 45.19          | 12.32       | 54.00          | 8.81        | 150         | 106       | Horizontal |
| 2              | 6957.6979   | 53.73          | 12.61       | 74.00          | 20.27       | 150         | 252       | Horizontal |
| 3              | 11000.0000  | 50.51          | -4.28       | 74.00          | 23.49       | 150         | 85        | Horizontal |
| 4              | 11000.0000  | 38.18          | -4.28       | 54.00          | 15.82       | 150         | 171       | Horizontal |
| 5              | 16500.0000  | 40.28          | -3.62       | 54.00          | 13.72       | 150         | 171       | Horizontal |
| 6              | 16500.0000  | 51.86          | -3.62       | 74.00          | 22.14       | 150         | 28        | Horizontal |
| 7              | 17995.5998  | 45.86          | -0.38       | 54.00          | 8.14        | 150         | 56        | Horizontal |





**4.3.2.20 11A20\_116 \_ Horizontal**

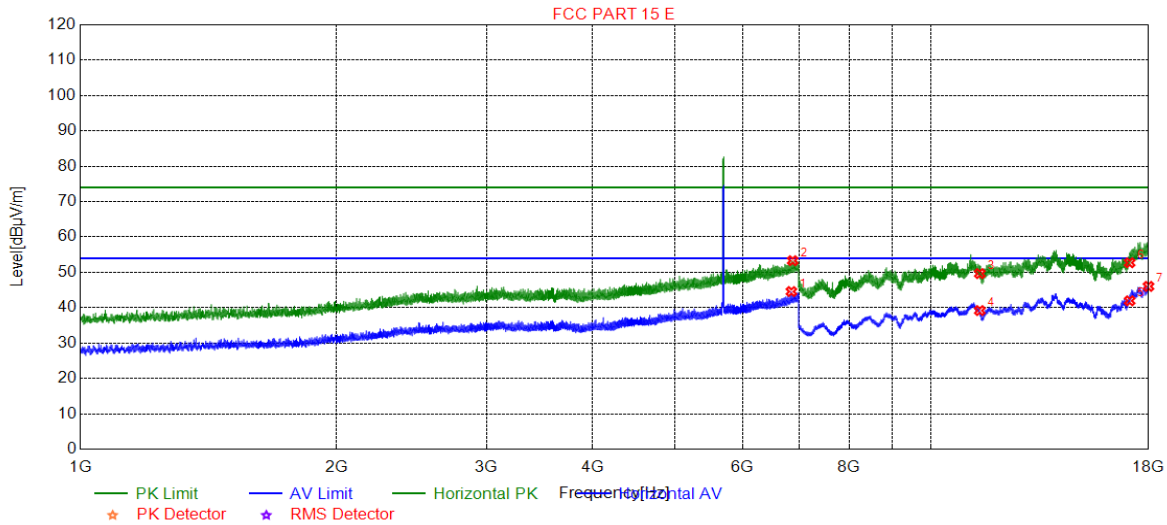


| Suspected List |             |                |             |                |             |             |           |            |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| NO.            | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1              | 6896.7948   | 53.31          | 12.39       | 74.00          | 20.69       | 150         | 360       | Horizontal |
| 2              | 6946.5973   | 44.74          | 12.57       | 54.00          | 9.26        | 150         | 47        | Horizontal |
| 3              | 11160.0000  | 51.85          | -3.43       | 74.00          | 22.15       | 150         | 54        | Horizontal |
| 4              | 11160.0000  | 40.83          | -3.43       | 54.00          | 13.17       | 150         | 196       | Horizontal |
| 5              | 16740.0000  | 39.67          | -3.33       | 54.00          | 14.33       | 150         | 196       | Horizontal |
| 6              | 16740.0000  | 49.76          | -3.33       | 74.00          | 24.24       | 150         | 285       | Horizontal |
| 7              | 17607.8304  | 45.99          | 1.43        | 54.00          | 8.01        | 150         | 285       | Horizontal |



Unless otherwise agreed 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.

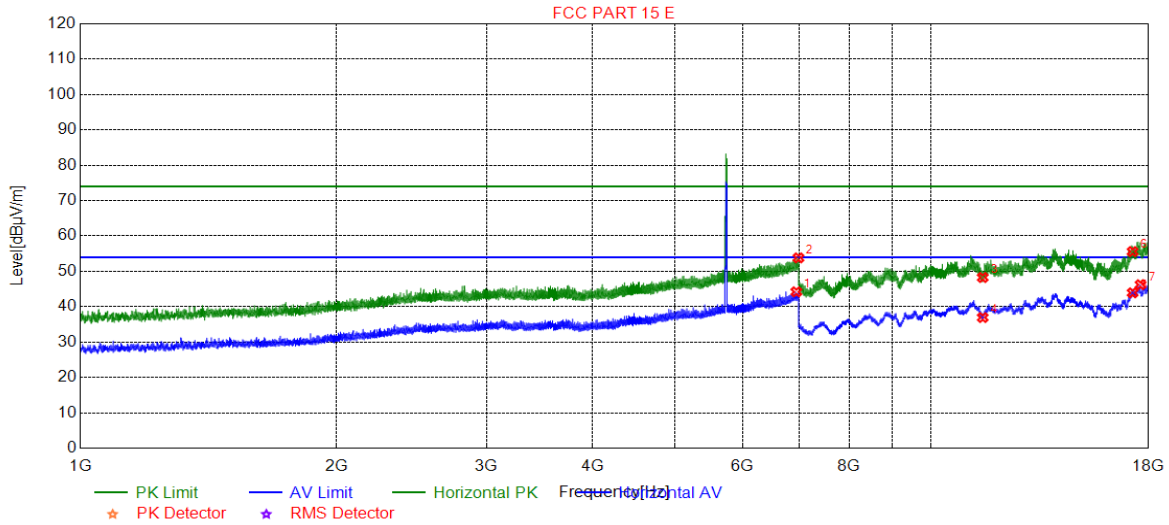
**4.3.2.21 11A20\_140 \_ Horizontal**



| Suspected List |             |                |             |                |             |             |           |            |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| NO.            | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1              | 6847.2924   | 44.57          | 12.20       | 54.00          | 9.43        | 150         | 360       | Horizontal |
| 2              | 6870.3935   | 53.30          | 12.29       | 74.00          | 20.70       | 150         | 360       | Horizontal |
| 3              | 11400.0000  | 49.65          | -4.42       | 74.00          | 24.35       | 150         | 310       | Horizontal |
| 4              | 11400.0000  | 39.19          | -4.42       | 54.00          | 14.81       | 150         | 1         | Horizontal |
| 5              | 17100.0000  | 41.96          | -3.09       | 54.00          | 12.04       | 150         | 1         | Horizontal |
| 6              | 17100.0000  | 52.71          | -3.09       | 74.00          | 21.29       | 150         | 53        | Horizontal |
| 7              | 17993.9497  | 46.03          | -0.40       | 54.00          | 7.97        | 150         | 282       | Horizontal |



**4.3.2.22 11A20\_149 \_ Horizontal**



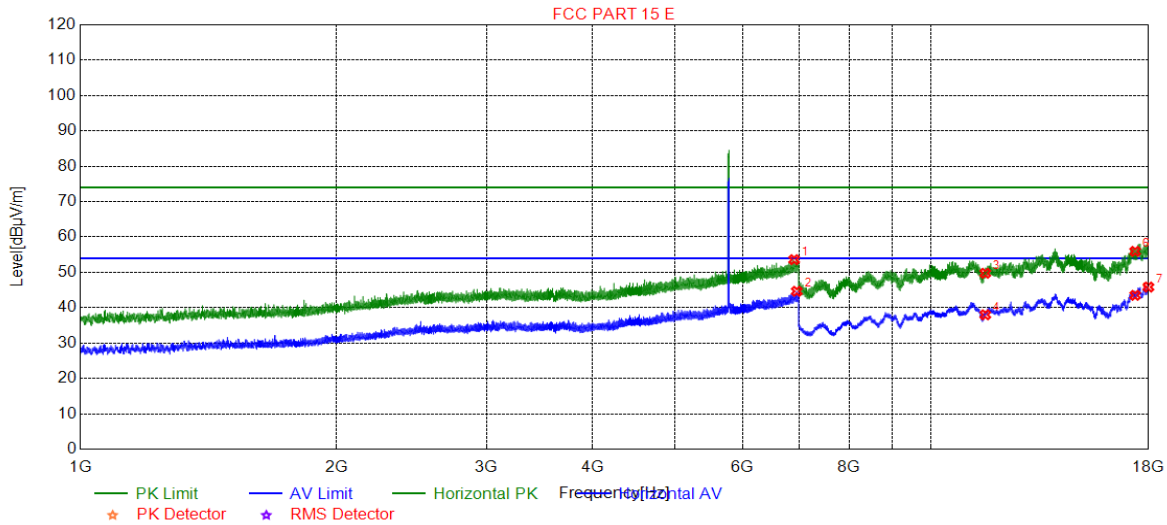
| Suspected List |             |                |             |                |             |             |           |            |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| NO.            | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1              | 6939.3970   | 44.21          | 12.55       | 54.00          | 9.79        | 150         | 78        | Horizontal |
| 2              | 6980.1990   | 53.81          | 12.70       | 74.00          | 20.19       | 150         | 193       | Horizontal |
| 3              | 11490.0000  | 48.26          | -5.65       | 74.00          | 25.74       | 150         | 24        | Horizontal |
| 4              | 11490.0000  | 36.94          | -5.65       | 54.00          | 17.06       | 150         | 284       | Horizontal |
| 5              | 17235.0000  | 43.93          | -1.47       | 54.00          | 10.07       | 150         | 195       | Horizontal |
| 6              | 17235.0000  | 55.59          | -1.47       | 74.00          | 18.41       | 150         | 224       | Horizontal |
| 7              | 17610.5805  | 46.23          | 1.35        | 54.00          | 7.77        | 150         | 109       | Horizontal |



Unless otherwise agreed 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)

**4.3.2.23 11A20\_157 \_ Horizontal**

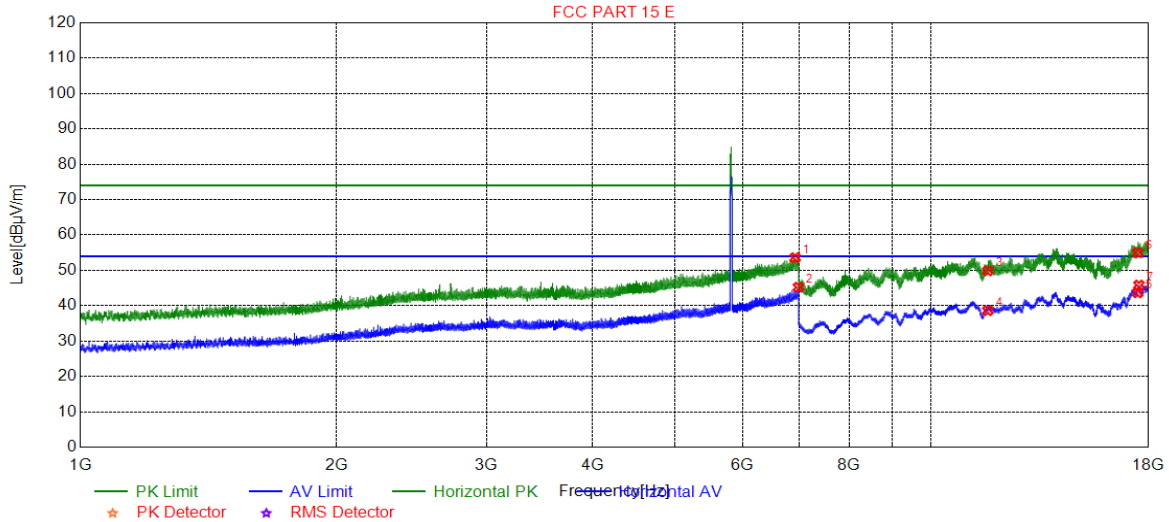


| Suspected List |             |                |             |                |             |             |           |            |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| NO.            | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1              | 6897.3949   | 53.59          | 12.39       | 74.00          | 20.41       | 150         | 18        | Horizontal |
| 2              | 6946.5973   | 44.65          | 12.57       | 54.00          | 9.35        | 150         | 18        | Horizontal |
| 3              | 11570.0000  | 49.75          | -3.87       | 74.00          | 24.25       | 150         | 342       | Horizontal |
| 4              | 11570.0000  | 38.00          | -3.87       | 54.00          | 16.00       | 150         | 114       | Horizontal |
| 5              | 17355.0000  | 43.51          | -1.07       | 54.00          | 10.49       | 150         | 114       | Horizontal |
| 6              | 17355.0000  | 55.94          | -1.07       | 74.00          | 18.06       | 150         | 171       | Horizontal |
| 7              | 17993.3997  | 45.84          | -0.40       | 54.00          | 8.16        | 150         | 313       | Horizontal |





**4.3.2.24 11A20\_165 \_ Horizontal**



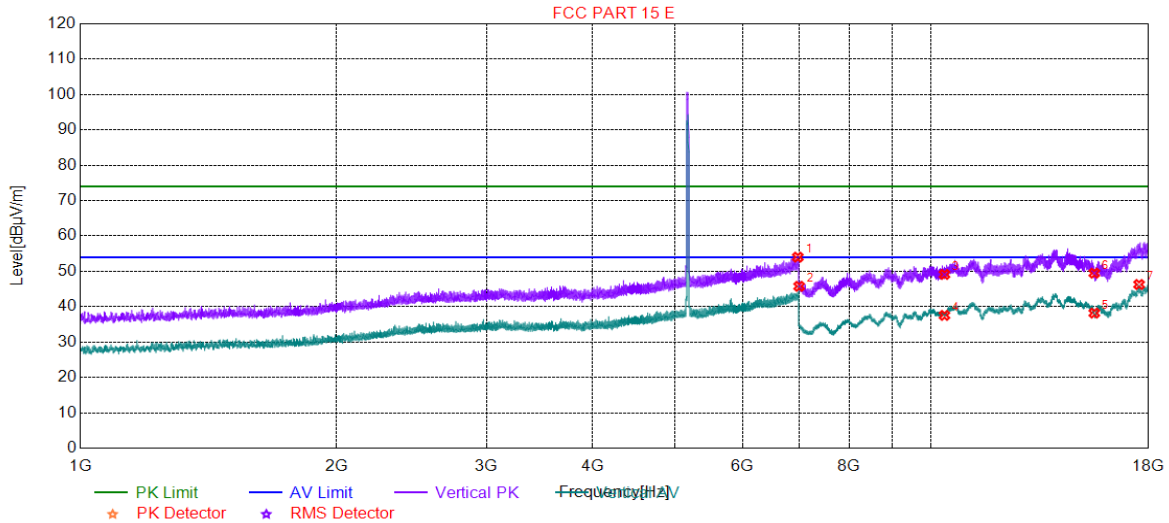
| Suspected List |             |                |             |                |             |             |           |            |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| NO.            | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1              | 6916.8958   | 53.59          | 12.46       | 74.00          | 20.41       | 150         | 104       | Horizontal |
| 2              | 6979.8990   | 45.23          | 12.70       | 54.00          | 8.77        | 150         | 18        | Horizontal |
| 3              | 11650.0000  | 49.86          | -3.16       | 74.00          | 24.14       | 150         | 342       | Horizontal |
| 4              | 11650.0000  | 38.62          | -3.16       | 54.00          | 15.38       | 150         | 168       | Horizontal |
| 5              | 17475.0000  | 43.65          | 0.02        | 54.00          | 10.35       | 150         | 54        | Horizontal |
| 6              | 17475.0000  | 55.01          | 0.02        | 74.00          | 18.99       | 150         | 1         | Horizontal |
| 7              | 17536.3268  | 45.84          | 0.81        | 54.00          | 8.16        | 150         | 140       | Horizontal |



Unless otherwise agreed 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)

**4.3.2.25 11N20\_MIMO\_36\_Vertical**



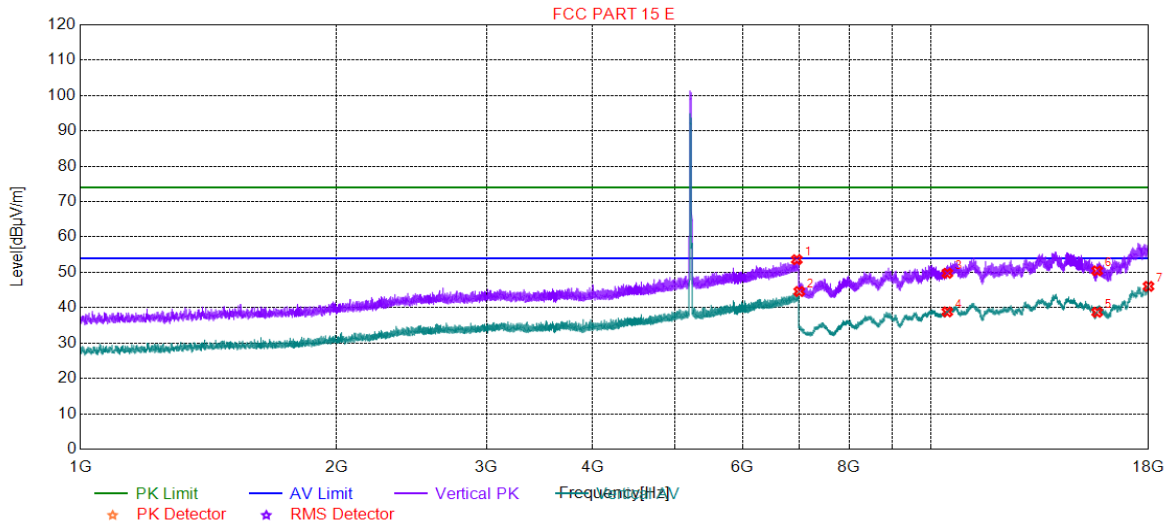
| Suspected List |             |                |             |                |             |             |           |          |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| NO.            | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1              | 6966.9984   | 54.02          | 12.65       | 74.00          | 19.98       | 150         | 189       | Vertical |
| 2              | 6991.8996   | 45.77          | 12.74       | 54.00          | 8.23        | 150         | 246       | Vertical |
| 3              | 10360.0000  | 49.13          | -5.35       | 74.00          | 24.87       | 150         | 104       | Vertical |
| 4              | 10360.0000  | 37.55          | -5.35       | 54.00          | 16.45       | 150         | 160       | Vertical |
| 5              | 15540.0000  | 38.20          | -3.26       | 54.00          | 15.80       | 150         | 332       | Vertical |
| 6              | 15540.0000  | 49.49          | -3.26       | 74.00          | 24.51       | 150         | 358       | Vertical |
| 7              | 17541.2771  | 46.29          | 0.88        | 54.00          | 7.71        | 150         | 303       | Vertical |



Unless otherwise agreed 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)

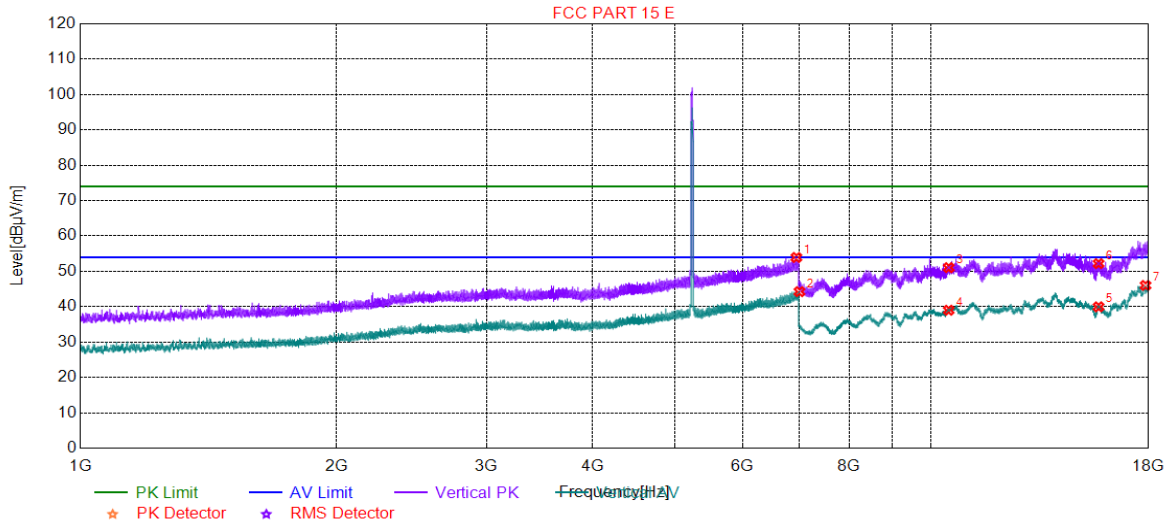
**4.3.2.26 11N20\_MIMO\_44\_Vertical**



| Suspected List |             |                |             |                |             |             |           |          |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| NO.            | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1              | 6947.4974   | 53.58          | 12.58       | 74.00          | 20.42       | 150         | 160       | Vertical |
| 2              | 6994.5997   | 44.59          | 12.75       | 54.00          | 9.41        | 150         | 245       | Vertical |
| 3              | 10440.0000  | 49.73          | -4.92       | 74.00          | 24.27       | 150         | 46        | Vertical |
| 4              | 10440.0000  | 38.83          | -4.92       | 54.00          | 15.17       | 150         | 273       | Vertical |
| 5              | 15660.0000  | 38.72          | -3.54       | 54.00          | 15.28       | 150         | 244       | Vertical |
| 6              | 15660.0000  | 50.43          | -3.54       | 74.00          | 23.57       | 150         | 103       | Vertical |
| 7              | 17994.4997  | 46.04          | -0.39       | 54.00          | 7.96        | 150         | 75        | Vertical |



4.3.2.27 11N20\_MIMO\_48\_Vertical



| Suspected List |             |                |             |                |             |             |           |          |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| NO.            | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1              | 6940.2970   | 53.92          | 12.55       | 74.00          | 20.08       | 150         | 273       | Vertical |
| 2              | 6998.4999   | 44.26          | 12.76       | 54.00          | 9.74        | 150         | 131       | Vertical |
| 3              | 10480.0000  | 51.05          | -4.49       | 74.00          | 22.95       | 150         | 304       | Vertical |
| 4              | 10480.0000  | 39.01          | -4.49       | 54.00          | 14.99       | 150         | 76        | Vertical |
| 5              | 15720.0000  | 39.97          | -2.65       | 54.00          | 14.03       | 150         | 219       | Vertical |
| 6              | 15720.0000  | 52.19          | -2.65       | 74.00          | 21.81       | 150         | 76        | Vertical |
| 7              | 17850.3925  | 46.03          | -0.94       | 54.00          | 7.97        | 150         | 162       | Vertical |

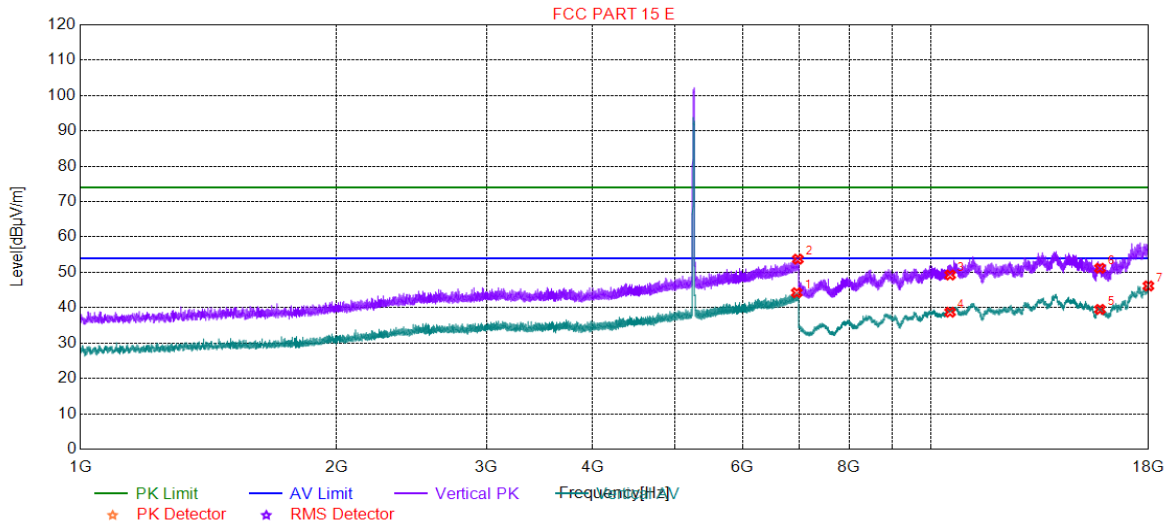


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



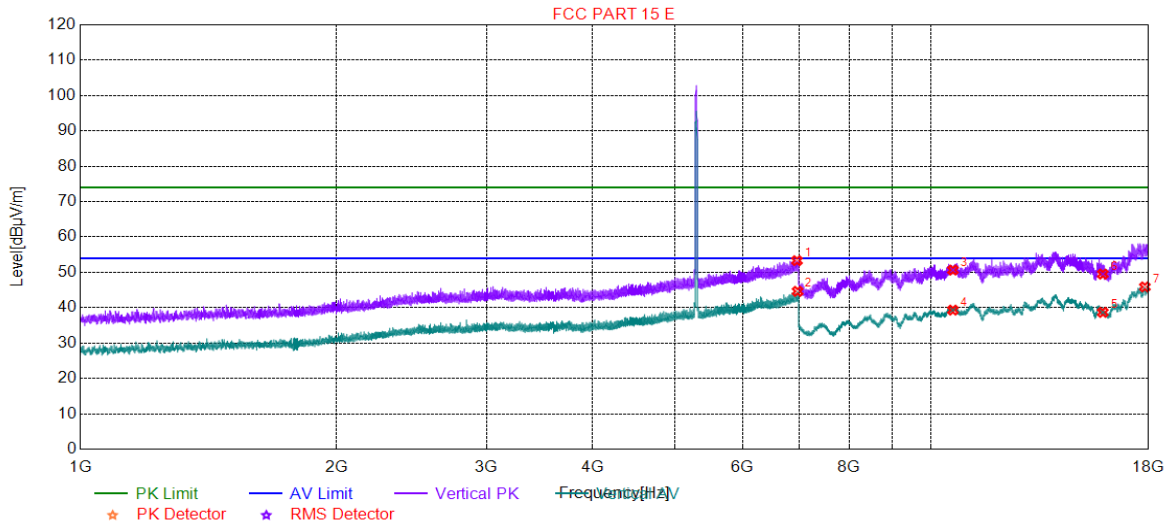
**4.3.2.28 11N20\_MIMO\_52\_Vertical**



| Suspected List |             |                |             |                |             |             |           |          |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| NO.            | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1              | 6946.2973   | 44.24          | 12.57       | 54.00          | 9.76        | 150         | 47        | Vertical |
| 2              | 6968.1984   | 53.73          | 12.65       | 74.00          | 20.27       | 150         | 273       | Vertical |
| 3              | 10520.0000  | 49.25          | -4.37       | 74.00          | 24.75       | 150         | 308       | Vertical |
| 4              | 10520.0000  | 38.74          | -4.37       | 54.00          | 15.26       | 150         | 308       | Vertical |
| 5              | 15780.0000  | 39.52          | -2.36       | 54.00          | 14.48       | 150         | 192       | Vertical |
| 6              | 15780.0000  | 51.17          | -2.36       | 74.00          | 22.83       | 150         | 74        | Vertical |
| 7              | 17990.0995  | 46.15          | -0.43       | 54.00          | 7.85        | 150         | 280       | Vertical |



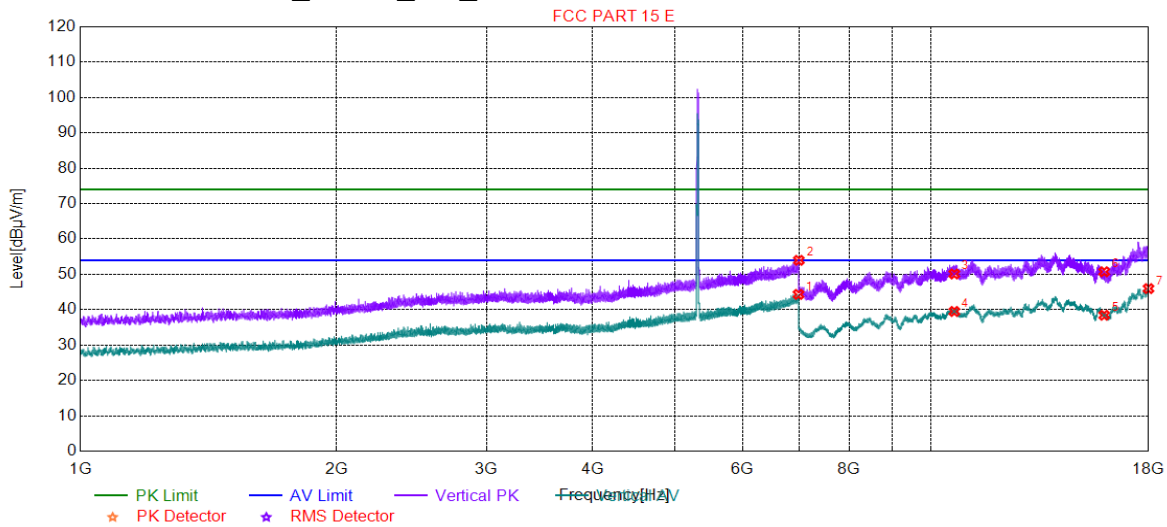
**4.3.2.29 11N20\_MIMO\_60\_Vertical**



| Suspected List |             |                |             |                |             |             |           |          |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| NO.            | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1              | 6951.0976   | 53.30          | 12.59       | 74.00          | 20.70       | 150         | 132       | Vertical |
| 2              | 6962.7981   | 44.63          | 12.63       | 54.00          | 9.37        | 150         | 217       | Vertical |
| 3              | 10600.0000  | 50.65          | -4.75       | 74.00          | 23.35       | 150         | 47        | Vertical |
| 4              | 10600.0000  | 39.33          | -4.75       | 54.00          | 14.67       | 150         | 47        | Vertical |
| 5              | 15900.0000  | 38.69          | -3.75       | 54.00          | 15.31       | 150         | 357       | Vertical |
| 6              | 15900.0000  | 49.51          | -3.75       | 74.00          | 24.49       | 150         | 75        | Vertical |
| 7              | 17817.9409  | 45.88          | -0.83       | 54.00          | 8.12        | 150         | 302       | Vertical |



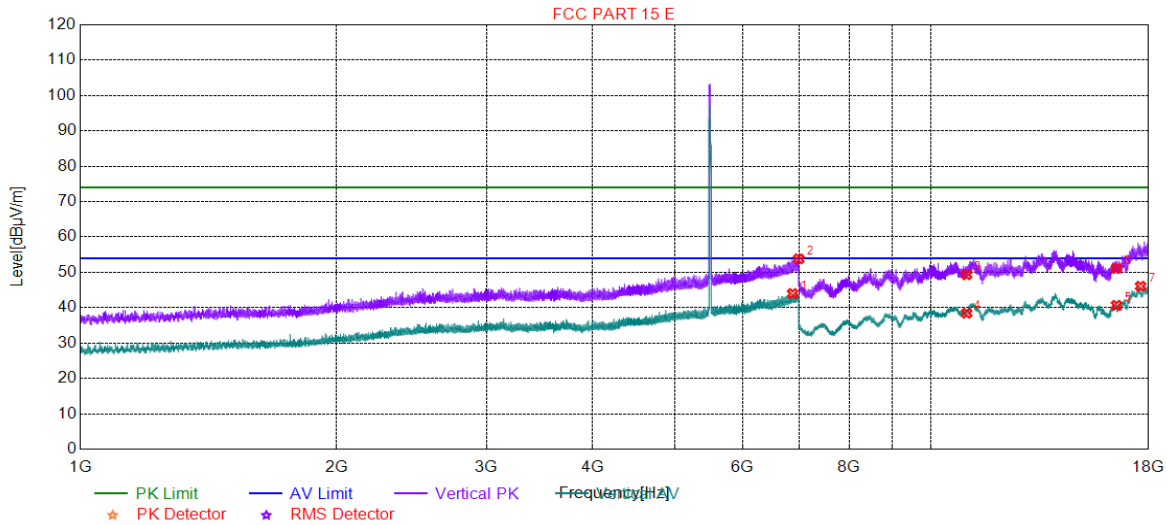
**4.3.2.30 11N20\_MIMO\_64\_Vertical**



| Suspected List |             |                |             |                |             |             |           |          |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| NO.            | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1              | 6979.8990   | 44.33          | 12.70       | 54.00          | 9.67        | 150         | 132       | Vertical |
| 2              | 6986.7993   | 53.97          | 12.72       | 74.00          | 20.03       | 150         | 188       | Vertical |
| 3              | 10640.0000  | 50.11          | -4.69       | 74.00          | 23.89       | 150         | 160       | Vertical |
| 4              | 10640.0000  | 39.51          | -4.69       | 54.00          | 14.49       | 150         | 189       | Vertical |
| 5              | 15960.0000  | 38.44          | -3.70       | 54.00          | 15.56       | 150         | 302       | Vertical |
| 6              | 15960.0000  | 50.73          | -3.70       | 74.00          | 23.27       | 150         | 160       | Vertical |
| 7              | 17992.8496  | 45.97          | -0.40       | 54.00          | 8.03        | 150         | 47        | Vertical |



**4.3.2.31 11N20\_MIMO\_100\_Verical**

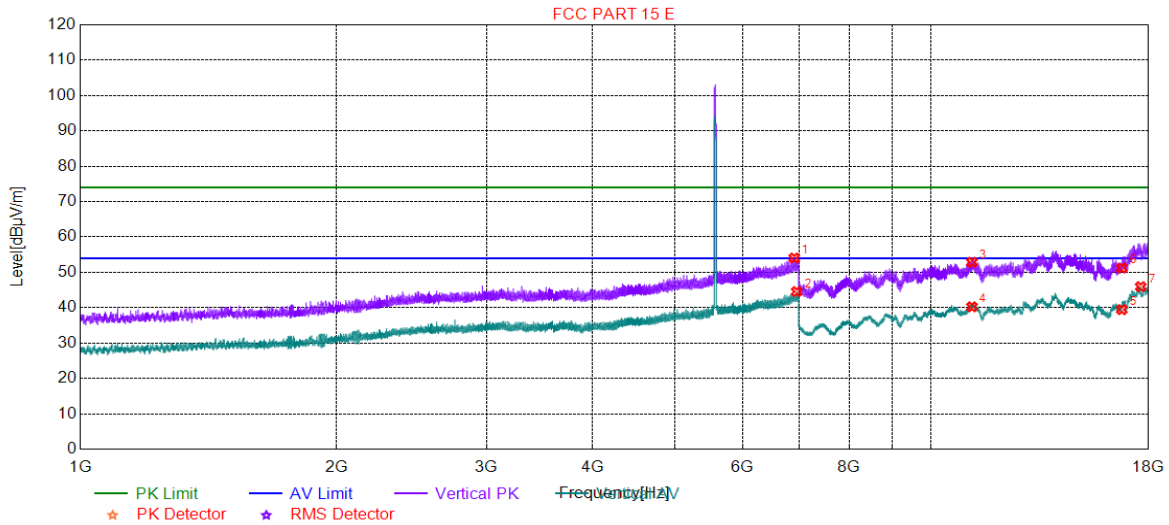


| Suspected List |             |                |             |                |             |             |           |          |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| NO.            | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1              | 6870.0935   | 44.01          | 12.29       | 54.00          | 9.99        | 150         | 47        | Vertical |
| 2              | 6984.0992   | 53.82          | 12.71       | 74.00          | 20.18       | 150         | 107       | Vertical |
| 3              | 11000.0000  | 49.34          | -4.28       | 74.00          | 24.66       | 150         | 47        | Vertical |
| 4              | 11000.0000  | 38.44          | -4.28       | 54.00          | 15.56       | 150         | 247       | Vertical |
| 5              | 16500.0000  | 40.70          | -3.62       | 54.00          | 13.30       | 150         | 275       | Vertical |
| 6              | 16500.0000  | 51.12          | -3.62       | 74.00          | 22.88       | 150         | 189       | Vertical |
| 7              | 17613.8807  | 46.07          | 1.27        | 54.00          | 7.93        | 150         | 18        | Vertical |





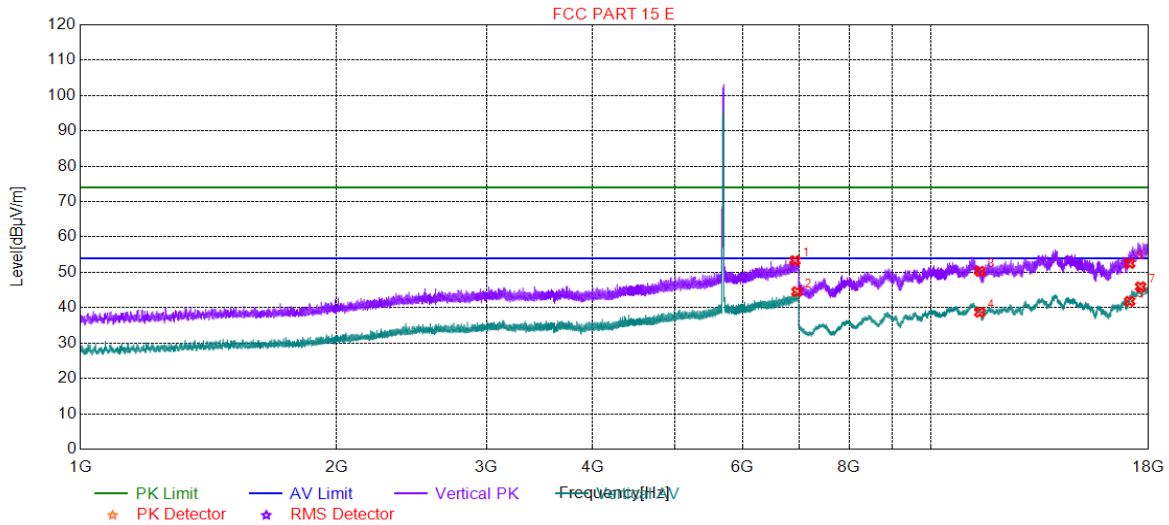
4.3.2.32 11N20\_MIMO\_116\_Vertical



| Suspected List |             |                |             |                |             |             |           |          |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| NO.            | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1              | 6899.7950   | 54.05          | 12.40       | 74.00          | 19.95       | 150         | 336       | Vertical |
| 2              | 6945.6973   | 44.56          | 12.57       | 54.00          | 9.44        | 150         | 18        | Vertical |
| 3              | 11160.0000  | 52.84          | -3.43       | 74.00          | 21.16       | 150         | 357       | Vertical |
| 4              | 11160.0000  | 40.26          | -3.43       | 54.00          | 13.74       | 150         | 189       | Vertical |
| 5              | 16740.0000  | 39.45          | -3.33       | 54.00          | 14.55       | 150         | 189       | Vertical |
| 6              | 16740.0000  | 51.22          | -3.33       | 74.00          | 22.78       | 150         | 47        | Vertical |
| 7              | 17619.9310  | 45.95          | 1.11        | 54.00          | 8.05        | 150         | 357       | Vertical |



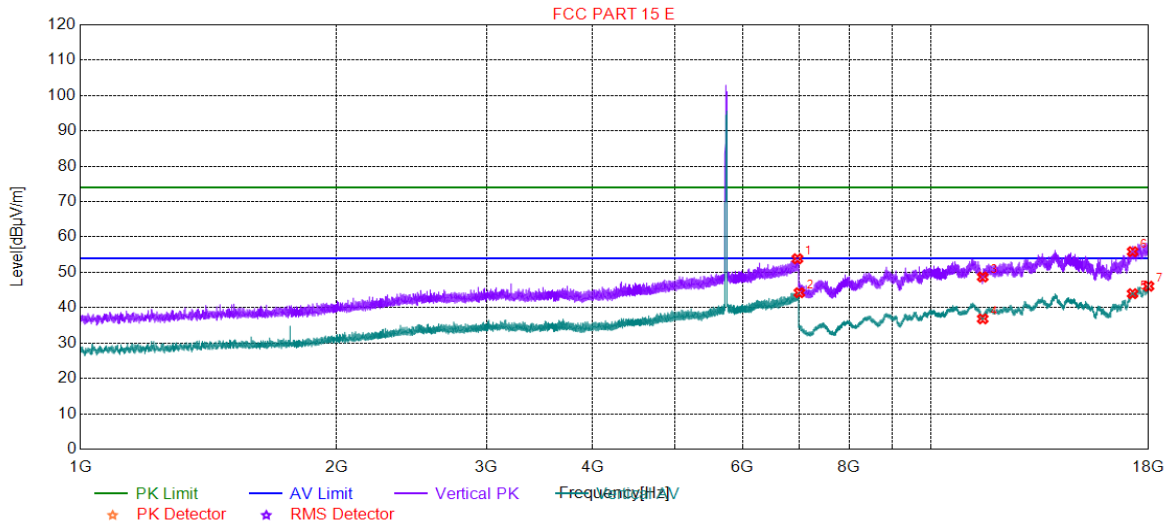
**4.3.2.33 11N20\_MIMO\_140\_Verical**



| Suspected List |             |                |             |                |             |             |           |          |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| NO.            | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1              | 6913.2957   | 53.33          | 12.45       | 74.00          | 20.67       | 150         | 104       | Vertical |
| 2              | 6952.8976   | 44.55          | 12.60       | 54.00          | 9.45        | 150         | 47        | Vertical |
| 3              | 11400.0000  | 50.29          | -4.42       | 74.00          | 23.71       | 150         | 76        | Vertical |
| 4              | 11400.0000  | 38.70          | -4.42       | 54.00          | 15.30       | 150         | 132       | Vertical |
| 5              | 17100.0000  | 41.81          | -3.09       | 54.00          | 12.19       | 150         | 302       | Vertical |
| 6              | 17100.0000  | 52.51          | -3.09       | 74.00          | 21.49       | 150         | 161       | Vertical |
| 7              | 17613.3307  | 45.94          | 1.28        | 54.00          | 8.06        | 150         | 132       | Vertical |



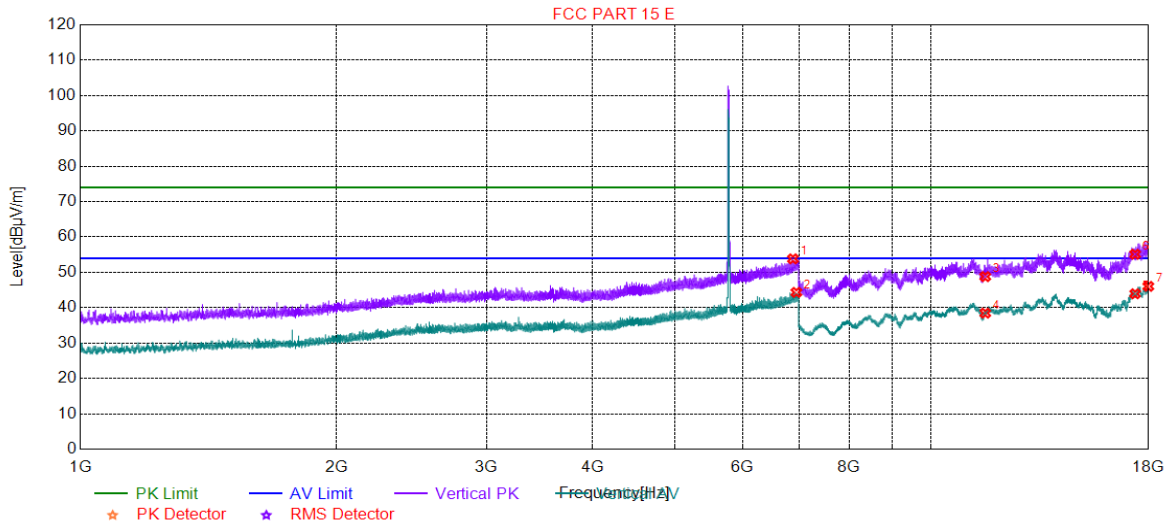
**4.3.2.34 11N20\_MIMO\_149\_Verical**



| Suspected List |             |                |             |                |             |             |           |          |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| NO.            | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1              | 6960.3980   | 53.84          | 12.62       | 74.00          | 20.16       | 150         | 160       | Vertical |
| 2              | 6996.3998   | 44.24          | 12.76       | 54.00          | 9.76        | 150         | 18        | Vertical |
| 3              | 11490.0000  | 48.69          | -5.65       | 74.00          | 25.31       | 150         | 190       | Vertical |
| 4              | 11490.0000  | 36.85          | -5.65       | 54.00          | 17.15       | 150         | 18        | Vertical |
| 5              | 17235.0000  | 43.97          | -1.47       | 54.00          | 10.03       | 150         | 104       | Vertical |
| 6              | 17235.0000  | 55.85          | -1.47       | 74.00          | 18.15       | 150         | 161       | Vertical |
| 7              | 17996.6998  | 46.08          | -0.38       | 54.00          | 7.92        | 150         | 303       | Vertical |



**4.3.2.35 11N20\_MIMO\_157\_Vertical**

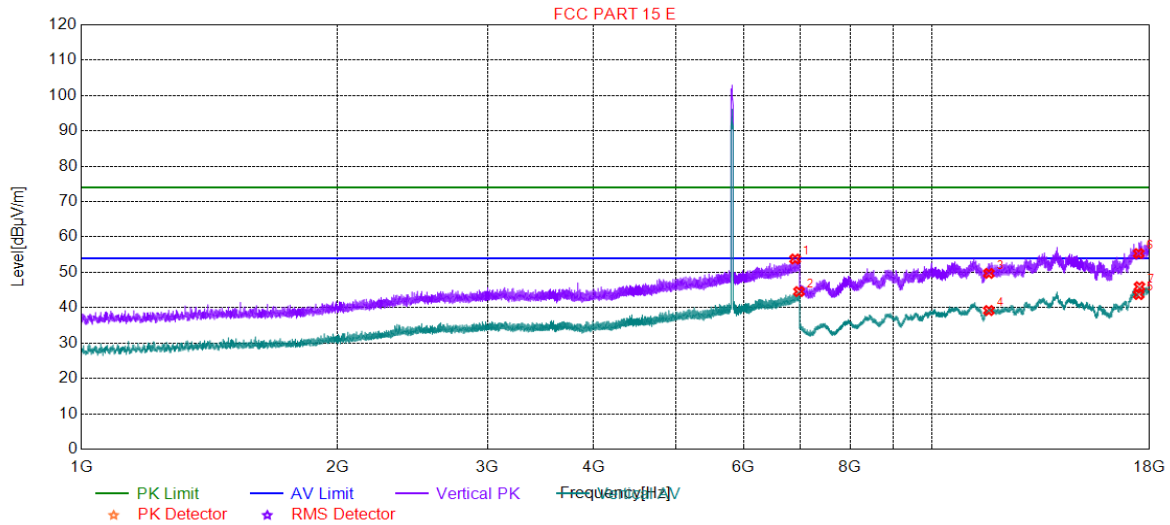


| Suspected List |             |                |             |                |             |             |           |          |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| NO.            | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1              | 6875.7938   | 53.81          | 12.31       | 74.00          | 20.19       | 150         | 122       | Vertical |
| 2              | 6939.3970   | 44.34          | 12.55       | 54.00          | 9.66        | 150         | 188       | Vertical |
| 3              | 11570.0000  | 48.79          | -3.87       | 74.00          | 25.21       | 150         | 189       | Vertical |
| 4              | 11570.0000  | 38.47          | -3.87       | 54.00          | 15.53       | 150         | 132       | Vertical |
| 5              | 17355.0000  | 43.95          | -1.07       | 54.00          | 10.05       | 150         | 331       | Vertical |
| 6              | 17355.0000  | 55.12          | -1.07       | 74.00          | 18.88       | 150         | 274       | Vertical |
| 7              | 17989.5495  | 46.04          | -0.43       | 54.00          | 7.96        | 150         | 189       | Vertical |





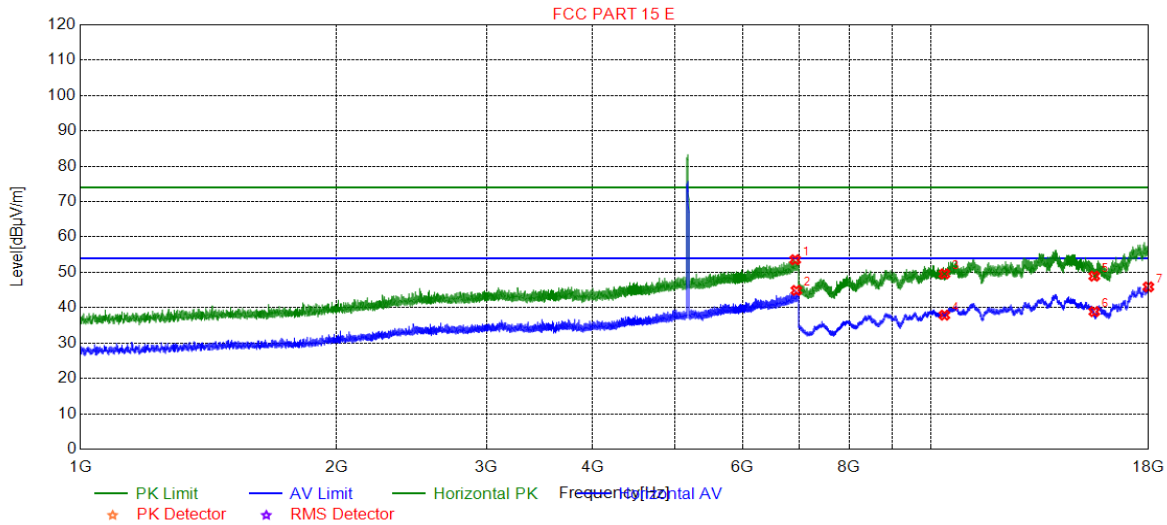
**4.3.2.36 11N20\_MIMO\_165\_Vertical**



| Suspected List |             |                |             |                |             |             |           |          |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| NO.            | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1              | 6897.9949   | 53.77          | 12.39       | 74.00          | 20.23       | 150         | 46        | Vertical |
| 2              | 6971.4986   | 44.57          | 12.66       | 54.00          | 9.43        | 150         | 273       | Vertical |
| 3              | 11650.0000  | 49.71          | -3.16       | 74.00          | 24.29       | 150         | 18        | Vertical |
| 4              | 11650.0000  | 39.20          | -3.16       | 54.00          | 14.80       | 150         | 47        | Vertical |
| 5              | 17475.0000  | 43.71          | 0.02        | 54.00          | 10.29       | 150         | 218       | Vertical |
| 6              | 17475.0000  | 55.33          | 0.02        | 74.00          | 18.67       | 150         | 190       | Vertical |
| 7              | 17512.6756  | 45.95          | 0.51        | 54.00          | 8.05        | 150         | 218       | Vertical |



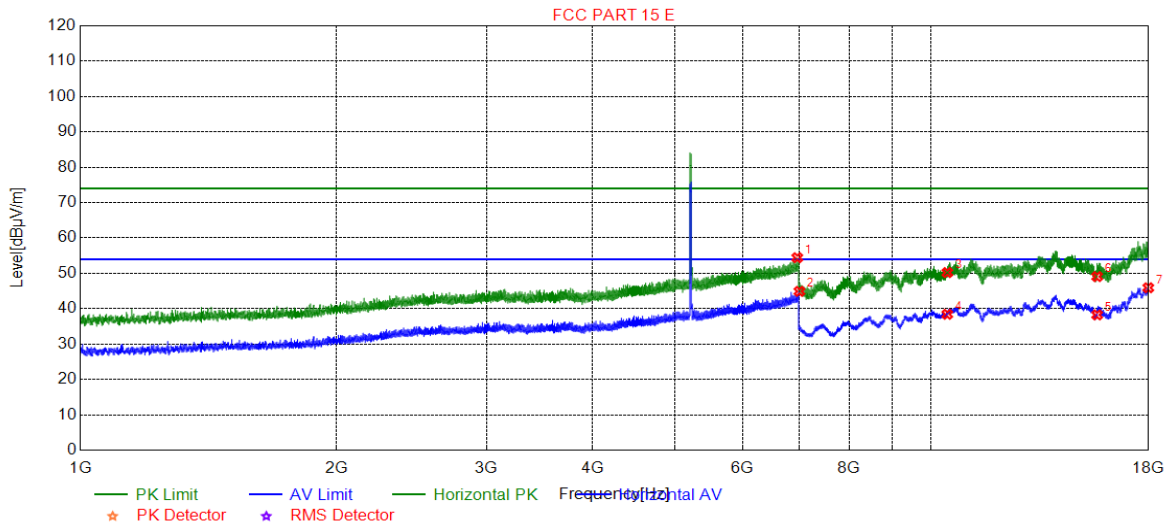
**4.3.2.37 11N20\_MIMO\_36 \_ Horizontal**



| Suspected List |             |                |             |                |             |             |           |            |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| NO.            | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1              | 6917.1959   | 53.56          | 12.46       | 74.00          | 20.44       | 150         | 285       | Horizontal |
| 2              | 6939.6970   | 44.89          | 12.55       | 54.00          | 9.11        | 150         | 314       | Horizontal |
| 3              | 10360.0000  | 49.58          | -5.35       | 74.00          | 24.42       | 150         | 170       | Horizontal |
| 4              | 10360.0000  | 37.89          | -5.35       | 54.00          | 16.11       | 150         | 198       | Horizontal |
| 5              | 15540.0000  | 48.93          | -3.26       | 74.00          | 25.07       | 150         | 198       | Horizontal |
| 6              | 15540.0000  | 38.89          | -3.26       | 54.00          | 15.11       | 150         | 0         | Horizontal |
| 7              | 17988.9995  | 45.89          | -0.43       | 54.00          | 8.11        | 150         | 49        | Horizontal |



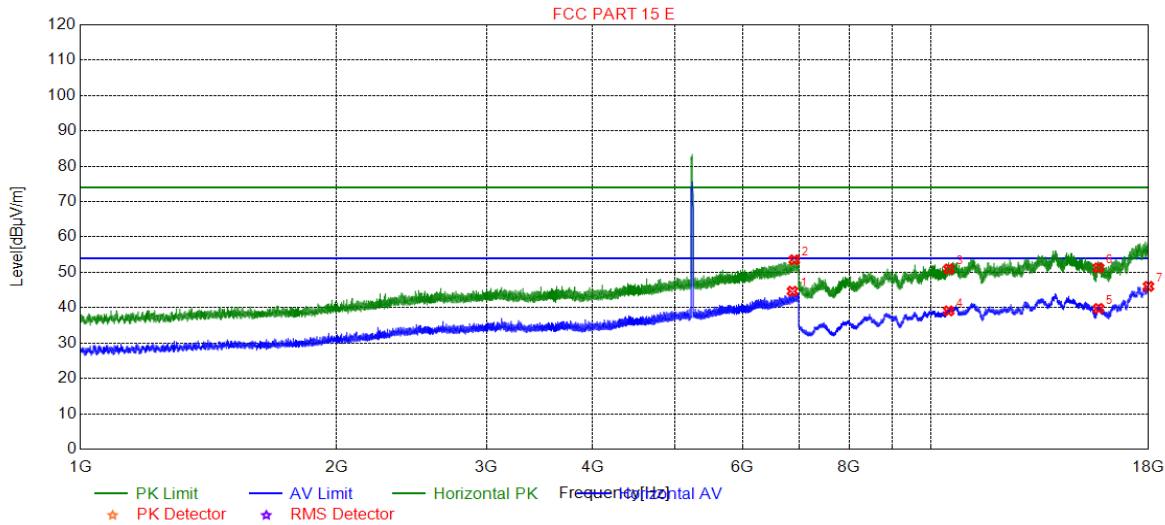
**4.3.2.38 11N20\_MIMO\_44\_Horizontal**



| Suspected List |             |                |             |                |             |             |           |            |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| NO.            | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1              | 6956.4978   | 54.43          | 12.61       | 74.00          | 19.57       | 150         | 168       | Horizontal |
| 2              | 6997.2999   | 44.91          | 12.76       | 54.00          | 9.09        | 150         | 197       | Horizontal |
| 3              | 10440.0000  | 50.22          | -4.92       | 74.00          | 23.78       | 150         | 314       | Horizontal |
| 4              | 10440.0000  | 38.43          | -4.92       | 54.00          | 15.57       | 150         | 169       | Horizontal |
| 5              | 15660.0000  | 38.26          | -3.54       | 54.00          | 15.74       | 150         | 342       | Horizontal |
| 6              | 15660.0000  | 49.08          | -3.54       | 74.00          | 24.92       | 150         | 55        | Horizontal |
| 7              | 17983.4992  | 45.93          | -0.48       | 54.00          | 8.07        | 150         | 26        | Horizontal |



**4.3.2.39 11N20\_MIMO\_48\_Horizontal**

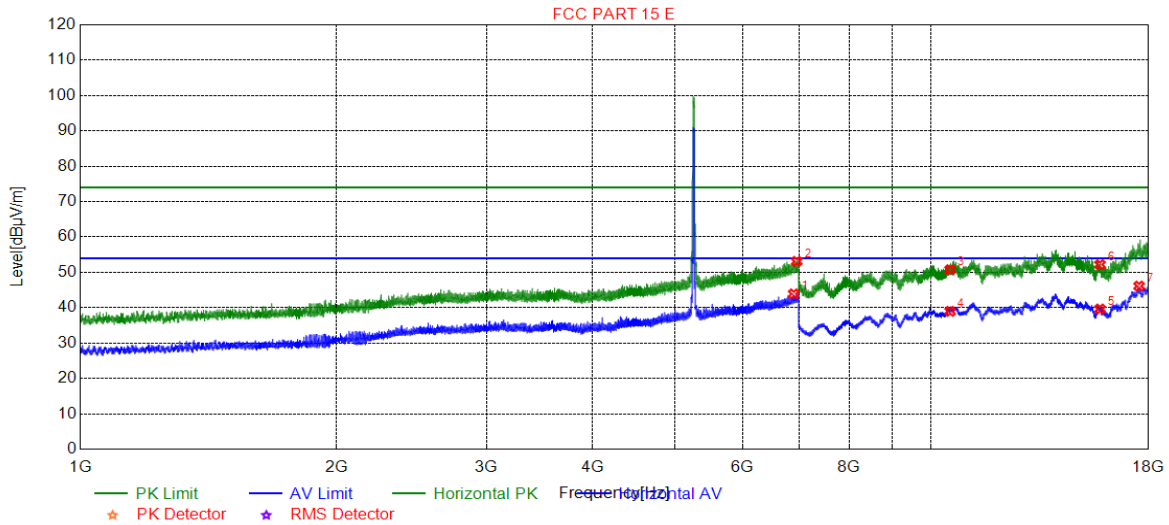


| Suspected List |             |                |             |                |             |             |           |            |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| NO.            | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1              | 6867.0934   | 44.67          | 12.27       | 54.00          | 9.33        | 150         | 27        | Horizontal |
| 2              | 6900.3950   | 53.55          | 12.40       | 74.00          | 20.45       | 150         | 282       | Horizontal |
| 3              | 10480.0000  | 50.95          | -4.49       | 74.00          | 23.05       | 150         | 132       | Horizontal |
| 4              | 10480.0000  | 39.10          | -4.49       | 54.00          | 14.90       | 150         | 102       | Horizontal |
| 5              | 15720.0000  | 39.80          | -2.65       | 54.00          | 14.20       | 150         | 35        | Horizontal |
| 6              | 15720.0000  | 51.30          | -2.65       | 74.00          | 22.70       | 150         | 162       | Horizontal |
| 7              | 17991.1996  | 46.04          | -0.42       | 54.00          | 7.96        | 150         | 162       | Horizontal |





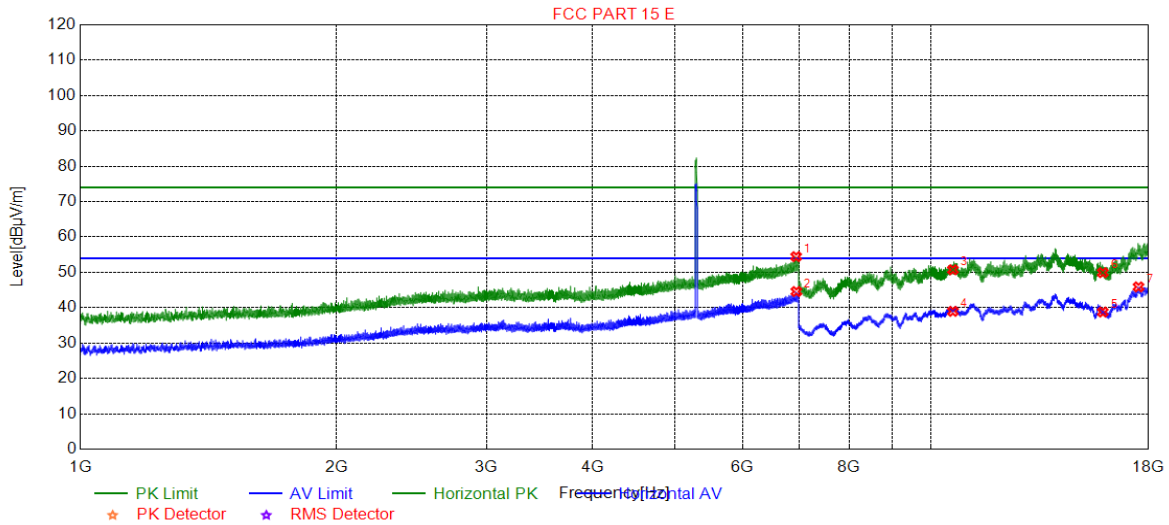
**4.3.2.40 11N20\_MIMO\_52 \_ Horizontal**



| Suspected List |             |                |             |                |             |             |           |            |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| NO.            | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1              | 6890.7945   | 43.91          | 12.37       | 54.00          | 10.09       | 150         | 342       | Horizontal |
| 2              | 6946.8973   | 53.10          | 12.57       | 74.00          | 20.90       | 150         | 108       | Horizontal |
| 3              | 10520.0000  | 50.74          | -4.37       | 74.00          | 23.26       | 150         | 166       | Horizontal |
| 4              | 10520.0000  | 38.99          | -4.37       | 54.00          | 15.01       | 150         | 137       | Horizontal |
| 5              | 15780.0000  | 39.63          | -2.36       | 54.00          | 14.37       | 150         | 80        | Horizontal |
| 6              | 15780.0000  | 52.18          | -2.36       | 74.00          | 21.82       | 150         | 342       | Horizontal |
| 7              | 17541.8271  | 46.12          | 0.89        | 54.00          | 7.88        | 150         | 225       | Horizontal |



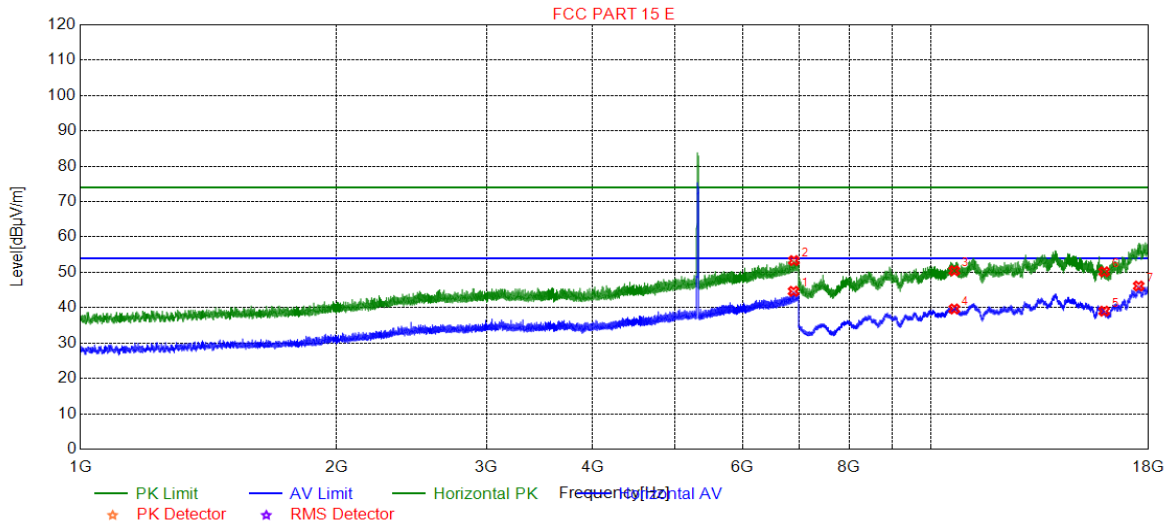
**4.3.2.41 11N20\_MIMO\_60\_Horizontal**



| Suspected List |             |                |             |                |             |             |           |            |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| NO.            | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1              | 6935.4968   | 54.45          | 12.53       | 74.00          | 19.55       | 150         | 166       | Horizontal |
| 2              | 6939.3970   | 44.58          | 12.55       | 54.00          | 9.42        | 150         | 1         | Horizontal |
| 3              | 10600.0000  | 50.73          | -4.75       | 74.00          | 23.27       | 150         | 313       | Horizontal |
| 4              | 10600.0000  | 38.98          | -4.75       | 54.00          | 15.02       | 150         | 255       | Horizontal |
| 5              | 15900.0000  | 38.78          | -3.75       | 54.00          | 15.22       | 150         | 114       | Horizontal |
| 6              | 15900.0000  | 49.92          | -3.75       | 74.00          | 24.08       | 150         | 3         | Horizontal |
| 7              | 17514.8757  | 45.89          | 0.54        | 54.00          | 8.11        | 150         | 85        | Horizontal |



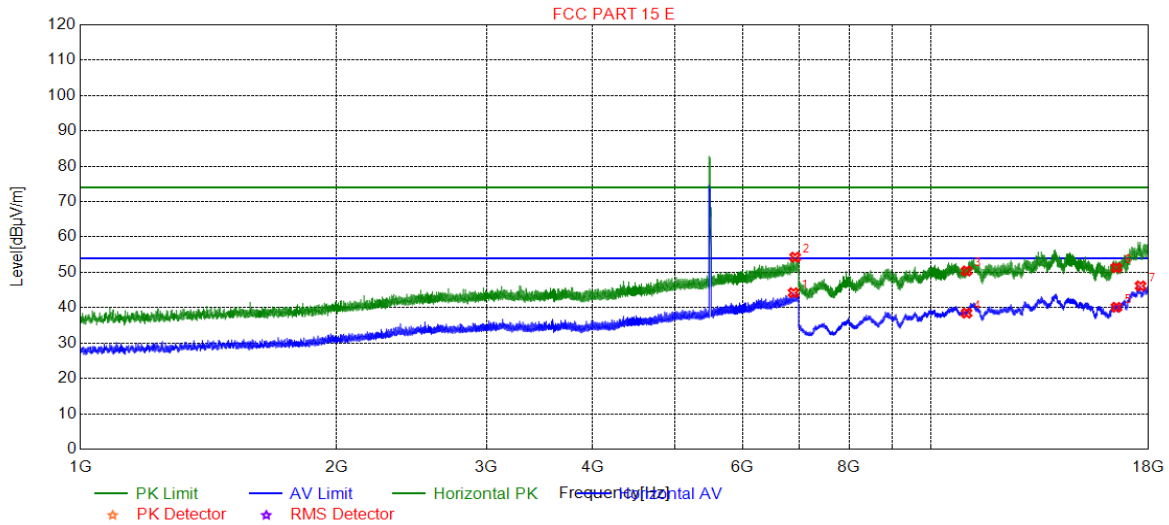
**4.3.2.42 11N20\_MIMO\_64 \_ Horizontal**



| Suspected List |             |                |             |                |             |             |           |            |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| NO.            | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1              | 6887.4944   | 44.64          | 12.35       | 54.00          | 9.36        | 150         | 278       | Horizontal |
| 2              | 6893.1947   | 53.32          | 12.37       | 74.00          | 20.68       | 150         | 74        | Horizontal |
| 3              | 10640.0000  | 50.45          | -4.69       | 74.00          | 23.55       | 150         | 1         | Horizontal |
| 4              | 10640.0000  | 39.65          | -4.69       | 54.00          | 14.35       | 150         | 137       | Horizontal |
| 5              | 15960.0000  | 39.03          | -3.70       | 54.00          | 14.97       | 150         | 1         | Horizontal |
| 6              | 15960.0000  | 50.17          | -3.70       | 74.00          | 23.83       | 150         | 168       | Horizontal |
| 7              | 17522.0261  | 46.14          | 0.63        | 54.00          | 7.86        | 150         | 314       | Horizontal |



**4.3.2.43 11N20\_MIMO\_100\_Horizontal**



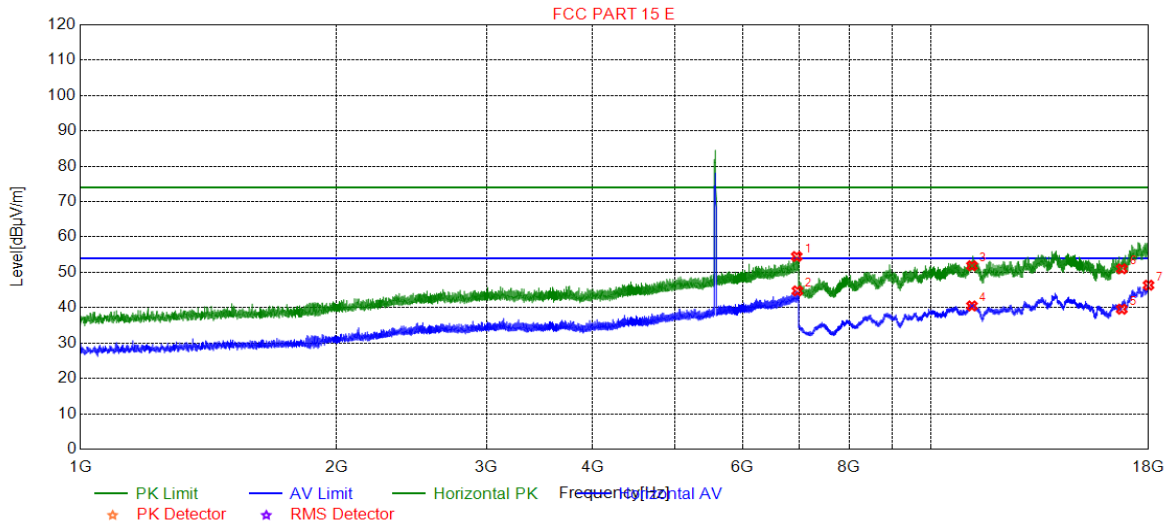
| Suspected List |             |                |             |                |             |             |           |            |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| NO.            | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1              | 6886.2943   | 44.24          | 12.35       | 54.00          | 9.76        | 150         | 229       | Horizontal |
| 2              | 6915.9958   | 54.29          | 12.46       | 74.00          | 19.71       | 150         | 59        | Horizontal |
| 3              | 11000.0000  | 50.39          | -4.28       | 74.00          | 23.61       | 150         | 171       | Horizontal |
| 4              | 11000.0000  | 38.48          | -4.28       | 54.00          | 15.52       | 150         | 199       | Horizontal |
| 5              | 16500.0000  | 40.13          | -3.62       | 54.00          | 13.87       | 150         | 228       | Horizontal |
| 6              | 16500.0000  | 51.31          | -3.62       | 74.00          | 22.69       | 150         | 228       | Horizontal |
| 7              | 17611.1306  | 46.17          | 1.34        | 54.00          | 7.83        | 150         | 142       | Horizontal |



Unless otherwise agreed 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.



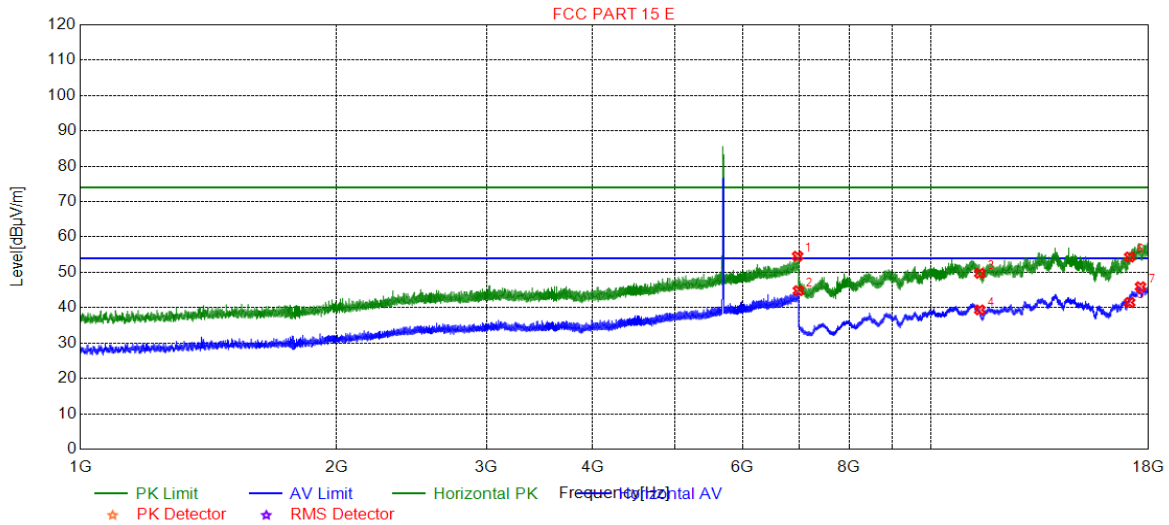
**4.3.2.44 11N20\_MIMO\_116 \_ Horizontal**



| Suspected List |             |                |             |                |             |             |           |            |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| NO.            | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1              | 6947.1974   | 54.48          | 12.57       | 74.00          | 19.52       | 150         | 58        | Horizontal |
| 2              | 6959.4980   | 44.76          | 12.62       | 54.00          | 9.24        | 150         | 30        | Horizontal |
| 3              | 11160.0000  | 51.87          | -3.43       | 74.00          | 22.13       | 150         | 284       | Horizontal |
| 4              | 11160.0000  | 40.51          | -3.43       | 54.00          | 13.49       | 150         | 170       | Horizontal |
| 5              | 16740.0000  | 39.58          | -3.33       | 54.00          | 14.42       | 150         | 56        | Horizontal |
| 6              | 16740.0000  | 51.00          | -3.33       | 74.00          | 23.00       | 150         | 256       | Horizontal |
| 7              | 17994.4997  | 46.37          | -0.39       | 54.00          | 7.63        | 150         | 56        | Horizontal |



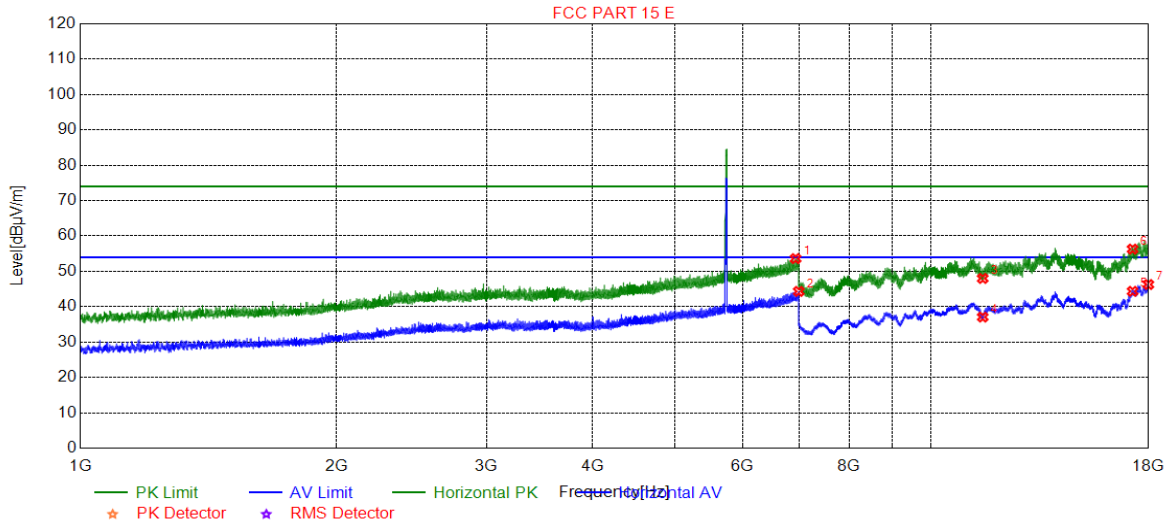
**4.3.2.45 11N20\_MIMO\_140\_Horizontal**



| Suspected List |             |                |             |                |             |             |           |            |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| NO.            | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1              | 6963.0982   | 54.56          | 12.63       | 74.00          | 19.44       | 150         | 314       | Horizontal |
| 2              | 6979.5990   | 44.81          | 12.69       | 54.00          | 9.19        | 150         | 342       | Horizontal |
| 3              | 11400.0000  | 49.71          | -4.42       | 74.00          | 24.29       | 150         | 108       | Horizontal |
| 4              | 11400.0000  | 39.38          | -4.42       | 54.00          | 14.62       | 150         | 342       | Horizontal |
| 5              | 17100.0000  | 41.48          | -3.09       | 54.00          | 12.52       | 150         | 137       | Horizontal |
| 6              | 17100.0000  | 54.35          | -3.09       | 74.00          | 19.65       | 150         | 137       | Horizontal |
| 7              | 17611.1306  | 45.94          | 1.34        | 54.00          | 8.06        | 150         | 342       | Horizontal |



**4.3.2.46 11N20\_MIMO\_149\_Horizontal**



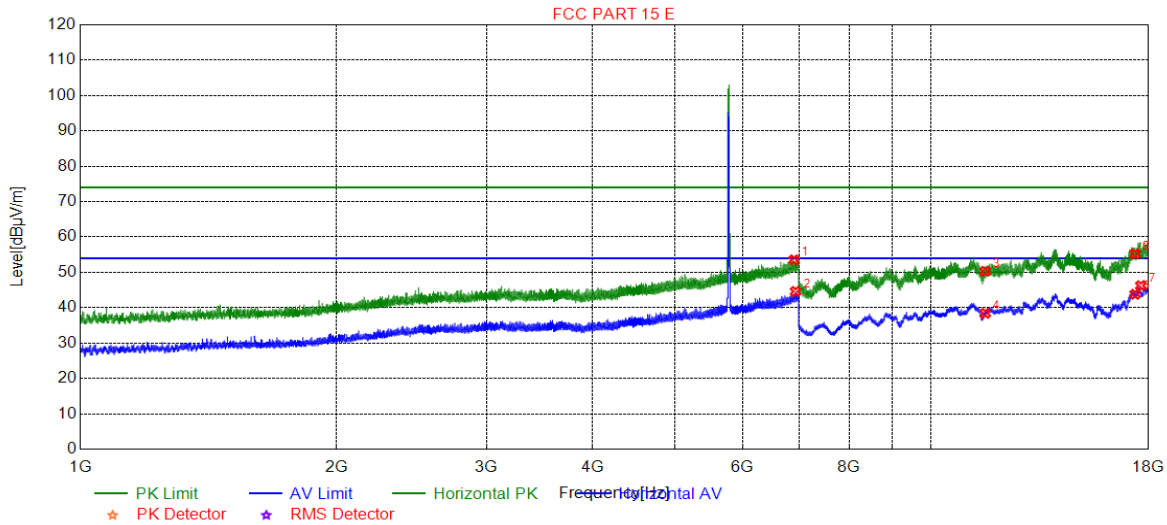
| Suspected List |             |                |             |                |             |             |           |            |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| NO.            | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1              | 6924.9963   | 53.60          | 12.49       | 74.00          | 20.40       | 150         | 283       | Horizontal |
| 2              | 6984.9993   | 44.33          | 12.71       | 54.00          | 9.67        | 150         | 84        | Horizontal |
| 3              | 11490.0000  | 47.99          | -5.65       | 74.00          | 26.01       | 150         | 188       | Horizontal |
| 4              | 11490.0000  | 37.07          | -5.65       | 54.00          | 16.93       | 150         | 73        | Horizontal |
| 5              | 17235.0000  | 44.36          | -1.47       | 54.00          | 9.64        | 150         | 249       | Horizontal |
| 6              | 17235.0000  | 56.29          | -1.47       | 74.00          | 17.71       | 150         | 188       | Horizontal |
| 7              | 17990.0995  | 46.28          | -0.43       | 54.00          | 7.72        | 150         | 45        | Horizontal |



Unless otherwise agreed 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)

**4.3.2.47 11N20\_MIMO\_157 \_ Horizontal**

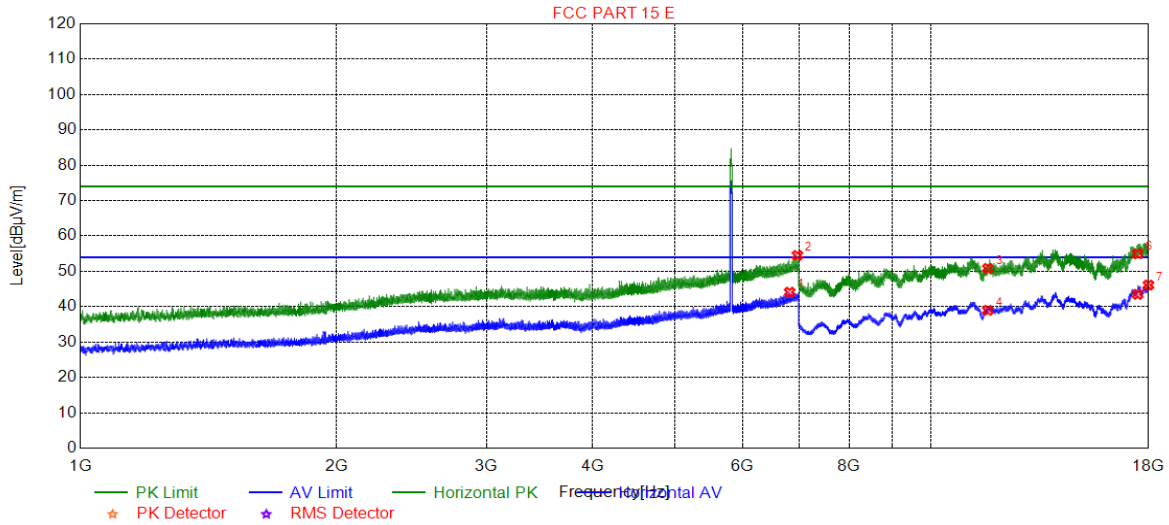


| Suspected List |             |                |             |                |             |             |           |            |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| NO.            | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1              | 6896.4948   | 53.53          | 12.39       | 74.00          | 20.47       | 150         | 63        | Horizontal |
| 2              | 6924.9963   | 44.61          | 12.49       | 54.00          | 9.39        | 150         | 334       | Horizontal |
| 3              | 11570.0000  | 50.31          | -3.87       | 74.00          | 23.69       | 150         | 166       | Horizontal |
| 4              | 11570.0000  | 38.43          | -3.87       | 54.00          | 15.57       | 150         | 0         | Horizontal |
| 5              | 17355.0000  | 43.80          | -1.07       | 54.00          | 10.20       | 150         | 342       | Horizontal |
| 6              | 17355.0000  | 55.24          | -1.07       | 74.00          | 18.76       | 150         | 223       | Horizontal |
| 7              | 17624.8812  | 46.24          | 0.98        | 54.00          | 7.76        | 150         | 51        | Horizontal |





**4.3.2.48 11N20\_MIMO\_165 \_ Horizontal**



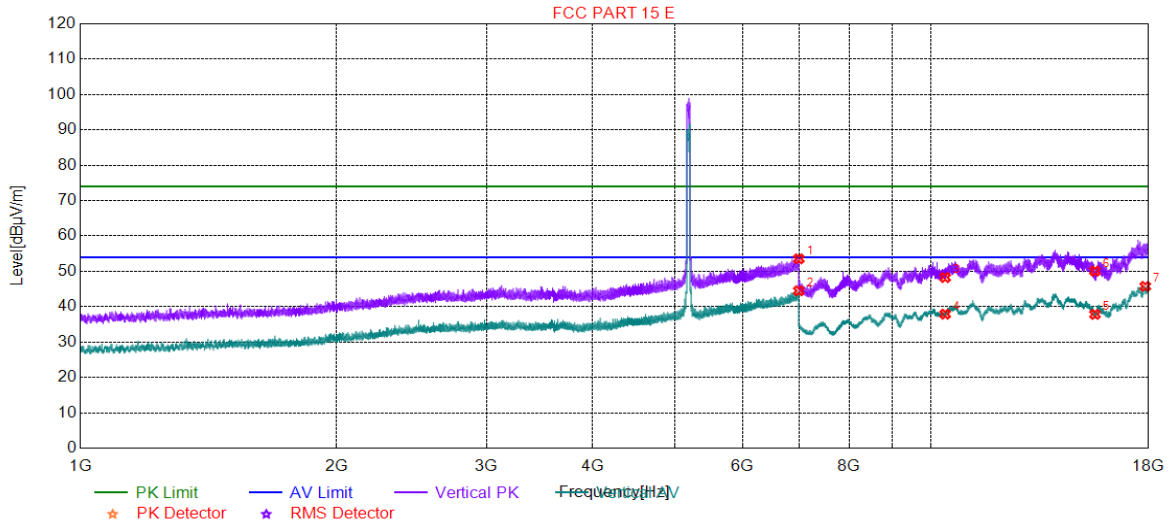
| Suspected List |             |                |             |                |             |             |           |            |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| NO.            | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1              | 6815.4908   | 44.11          | 12.08       | 54.00          | 9.89        | 150         | 114       | Horizontal |
| 2              | 6959.4980   | 54.51          | 12.62       | 74.00          | 19.49       | 150         | 29        | Horizontal |
| 3              | 11650.0000  | 50.83          | -3.16       | 74.00          | 23.17       | 150         | 137       | Horizontal |
| 4              | 11650.0000  | 38.98          | -3.16       | 54.00          | 15.02       | 150         | 80        | Horizontal |
| 5              | 17475.0000  | 43.48          | 0.02        | 54.00          | 10.52       | 150         | 254       | Horizontal |
| 6              | 17475.0000  | 54.99          | 0.02        | 74.00          | 19.01       | 150         | 51        | Horizontal |
| 7              | 17990.6495  | 46.13          | -0.42       | 54.00          | 7.87        | 150         | 282       | Horizontal |



Unless otherwise agreed 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)

**4.3.2.49 11N40\_MIMO\_38\_Vertical**



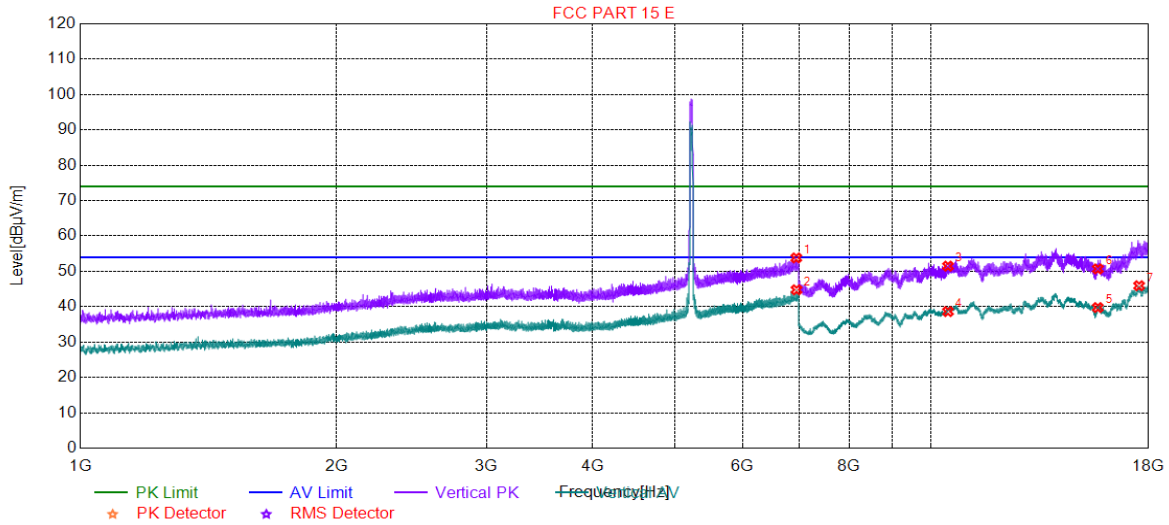
| Suspected List |             |                |             |                |             |             |           |          |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| NO.            | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1              | 6985.5993   | 53.54          | 12.72       | 74.00          | 20.46       | 150         | 75        | Vertical |
| 2              | 6986.1993   | 44.50          | 12.72       | 54.00          | 9.50        | 150         | 302       | Vertical |
| 3              | 10380.0000  | 48.26          | -5.36       | 74.00          | 25.74       | 150         | 359       | Vertical |
| 4              | 10380.0000  | 37.91          | -5.36       | 54.00          | 16.09       | 150         | 161       | Vertical |
| 5              | 15570.0000  | 37.85          | -4.02       | 54.00          | 16.15       | 150         | 104       | Vertical |
| 6              | 15570.0000  | 50.08          | -4.02       | 74.00          | 23.92       | 150         | 18        | Vertical |
| 7              | 17841.0421  | 45.75          | -0.91       | 54.00          | 8.25        | 150         | 18        | Vertical |



Unless otherwise agreed 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)

**4.3.2.50 11N40\_MIMO\_46\_Vertical**



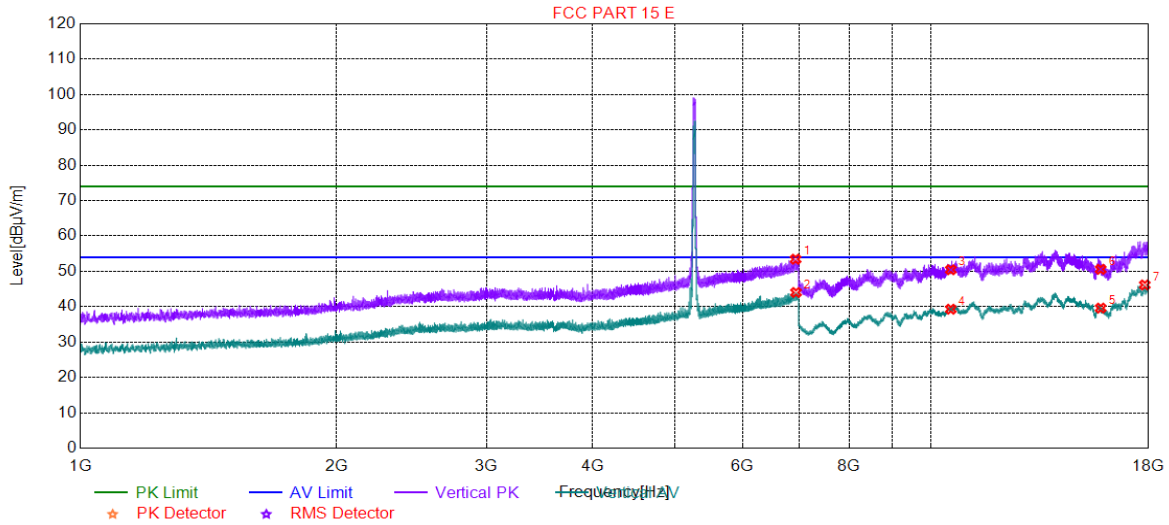
| Suspected List |             |                |             |                |             |             |           |          |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| NO.            | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1              | 6938.4969   | 53.80          | 12.54       | 74.00          | 20.20       | 150         | 18        | Vertical |
| 2              | 6942.9972   | 44.78          | 12.56       | 54.00          | 9.22        | 150         | 77        | Vertical |
| 3              | 10460.0000  | 51.48          | -4.70       | 74.00          | 22.52       | 150         | 250       | Vertical |
| 4              | 10460.0000  | 38.63          | -4.70       | 54.00          | 15.37       | 150         | 250       | Vertical |
| 5              | 15690.0000  | 39.76          | -2.93       | 54.00          | 14.24       | 150         | 18        | Vertical |
| 6              | 15690.0000  | 50.68          | -2.93       | 74.00          | 23.32       | 150         | 279       | Vertical |
| 7              | 17542.3771  | 45.93          | 0.89        | 54.00          | 8.07        | 150         | 190       | Vertical |



Unless otherwise agreed 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)

**4.3.2.51 11N40\_MIMO\_54\_Vertical**



| Suspected List |             |                |             |                |             |             |           |          |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| NO.            | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1              | 6924.9963   | 53.43          | 12.49       | 74.00          | 20.57       | 150         | 358       | Vertical |
| 2              | 6933.0967   | 44.03          | 12.52       | 54.00          | 9.97        | 150         | 190       | Vertical |
| 3              | 10540.0000  | 50.45          | -4.46       | 74.00          | 23.55       | 150         | 218       | Vertical |
| 4              | 10540.0000  | 39.30          | -4.46       | 54.00          | 14.70       | 150         | 218       | Vertical |
| 5              | 15810.0000  | 39.61          | -2.42       | 54.00          | 14.39       | 150         | 132       | Vertical |
| 6              | 15810.0000  | 50.58          | -2.42       | 74.00          | 23.42       | 150         | 331       | Vertical |
| 7              | 17815.1908  | 46.16          | -0.82       | 54.00          | 7.84        | 150         | 104       | Vertical |

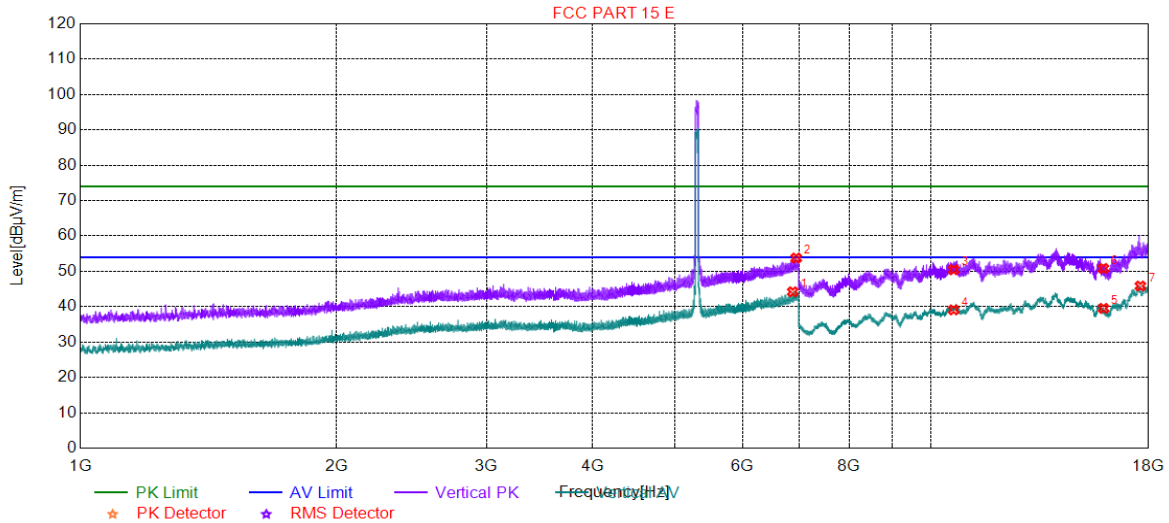


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



**4.3.2.52 11N40\_MIMO\_62\_Vertical**



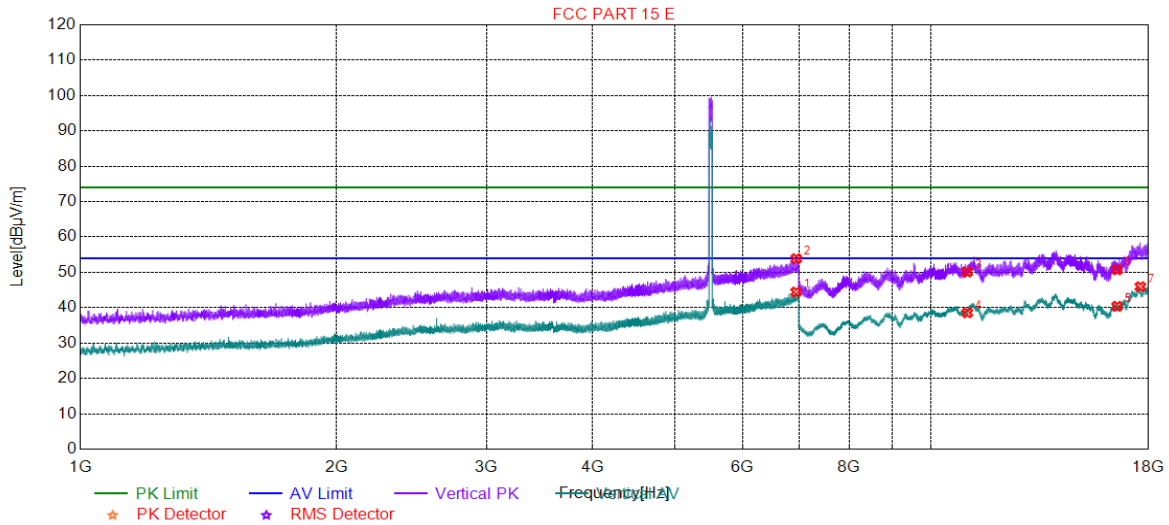
| Suspected List |             |                |             |                |             |             |           |          |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| NO.            | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1              | 6871.8936   | 44.22          | 12.29       | 54.00          | 9.78        | 150         | 18        | Vertical |
| 2              | 6936.0968   | 53.76          | 12.53       | 74.00          | 20.24       | 150         | 249       | Vertical |
| 3              | 10620.0000  | 50.45          | -4.72       | 74.00          | 23.55       | 150         | 217       | Vertical |
| 4              | 10620.0000  | 39.11          | -4.72       | 54.00          | 14.89       | 150         | 75        | Vertical |
| 5              | 15930.0000  | 39.54          | -3.73       | 54.00          | 14.46       | 150         | 246       | Vertical |
| 6              | 15930.0000  | 50.81          | -3.73       | 74.00          | 23.19       | 150         | 132       | Vertical |
| 7              | 17603.4302  | 45.85          | 1.54        | 54.00          | 8.15        | 150         | 217       | Vertical |



Unless otherwise agreed 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)

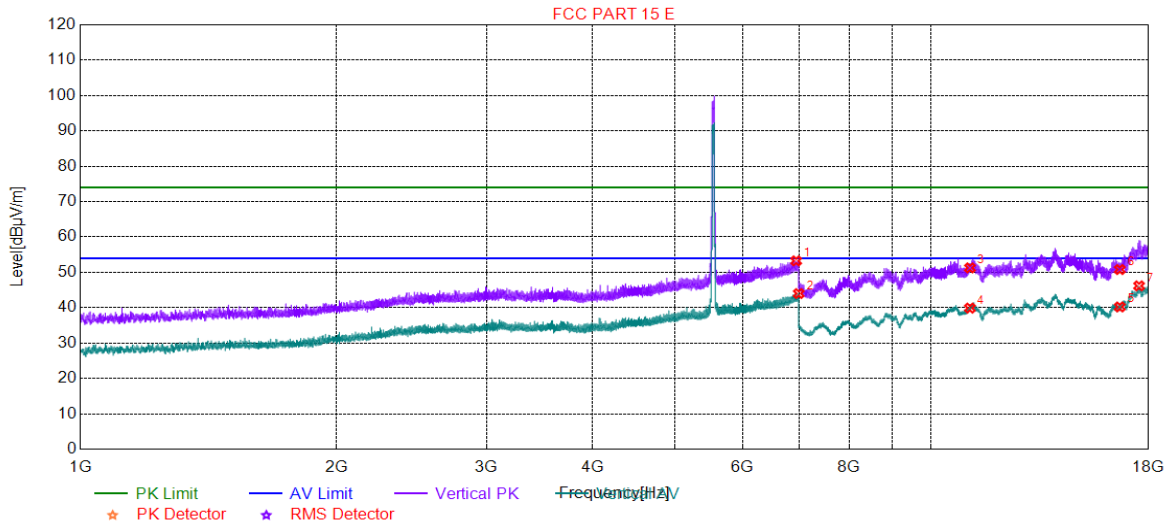
4.3.2.53 11N40\_MIMO\_102\_Verical



| Suspected List |             |                |             |                |             |             |           |          |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| NO.            | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1              | 6934.8967   | 44.44          | 12.53       | 54.00          | 9.56        | 150         | 357       | Vertical |
| 2              | 6938.1969   | 53.88          | 12.54       | 74.00          | 20.12       | 150         | 357       | Vertical |
| 3              | 11020.0000  | 50.09          | -4.09       | 74.00          | 23.91       | 150         | 303       | Vertical |
| 4              | 11020.0000  | 38.57          | -4.09       | 54.00          | 15.43       | 150         | 18        | Vertical |
| 5              | 16530.0000  | 40.40          | -3.84       | 54.00          | 13.60       | 150         | 18        | Vertical |
| 6              | 16530.0000  | 50.71          | -3.84       | 74.00          | 23.29       | 150         | 132       | Vertical |
| 7              | 17600.6800  | 45.94          | 1.61        | 54.00          | 8.06        | 150         | 103       | Vertical |



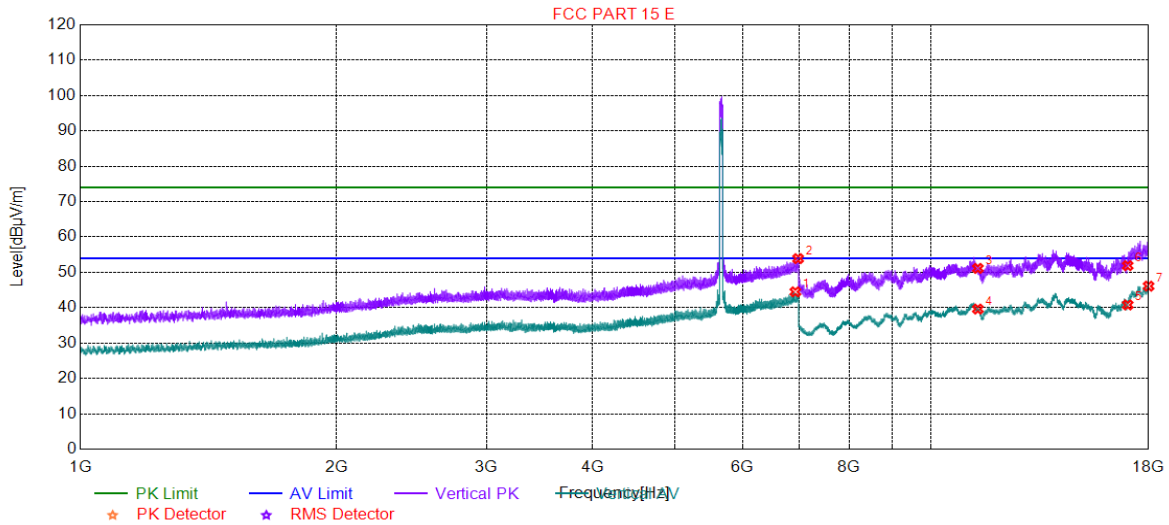
**4.3.2.54 11N40\_MIMO\_110\_Vertical**



| Suspected List |             |                |             |                |             |             |           |          |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| NO.            | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1              | 6936.0968   | 53.24          | 12.53       | 74.00          | 20.76       | 150         | 103       | Vertical |
| 2              | 6984.0992   | 44.01          | 12.71       | 54.00          | 9.99        | 150         | 103       | Vertical |
| 3              | 11100.0000  | 51.26          | -3.36       | 74.00          | 22.74       | 150         | 304       | Vertical |
| 4              | 11100.0000  | 39.89          | -3.36       | 54.00          | 14.11       | 150         | 46        | Vertical |
| 5              | 16650.0000  | 40.23          | -4.20       | 54.00          | 13.77       | 150         | 104       | Vertical |
| 6              | 16650.0000  | 50.80          | -4.20       | 74.00          | 23.20       | 150         | 75        | Vertical |
| 7              | 17540.7270  | 46.18          | 0.87        | 54.00          | 7.82        | 150         | 46        | Vertical |



4.3.2.55 11N40\_MIMO\_134\_Verical

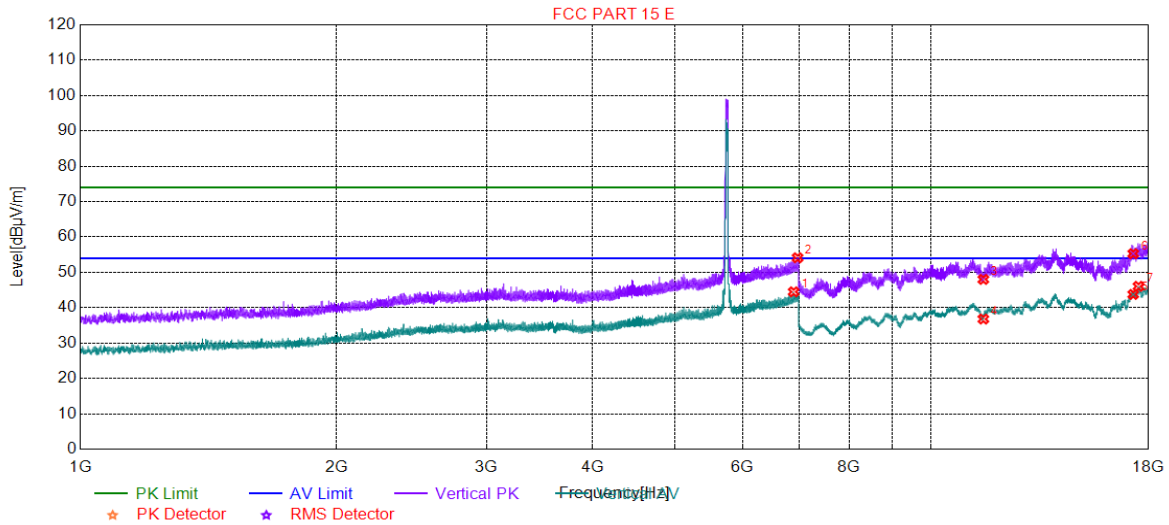


| Suspected List |             |                |             |                |             |             |           |          |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| NO.            | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1              | 6921.0961   | 44.49          | 12.48       | 54.00          | 9.51        | 150         | 50        | Vertical |
| 2              | 6973.2987   | 53.88          | 12.67       | 74.00          | 20.12       | 150         | 140       | Vertical |
| 3              | 11340.0000  | 51.12          | -4.59       | 74.00          | 22.88       | 150         | 132       | Vertical |
| 4              | 11340.0000  | 39.62          | -4.59       | 54.00          | 14.38       | 150         | 75        | Vertical |
| 5              | 17010.0000  | 40.79          | -3.20       | 54.00          | 13.21       | 150         | 218       | Vertical |
| 6              | 17010.0000  | 51.89          | -3.20       | 74.00          | 22.11       | 150         | 75        | Vertical |
| 7              | 17998.3499  | 46.10          | -0.36       | 54.00          | 7.90        | 150         | 47        | Vertical |





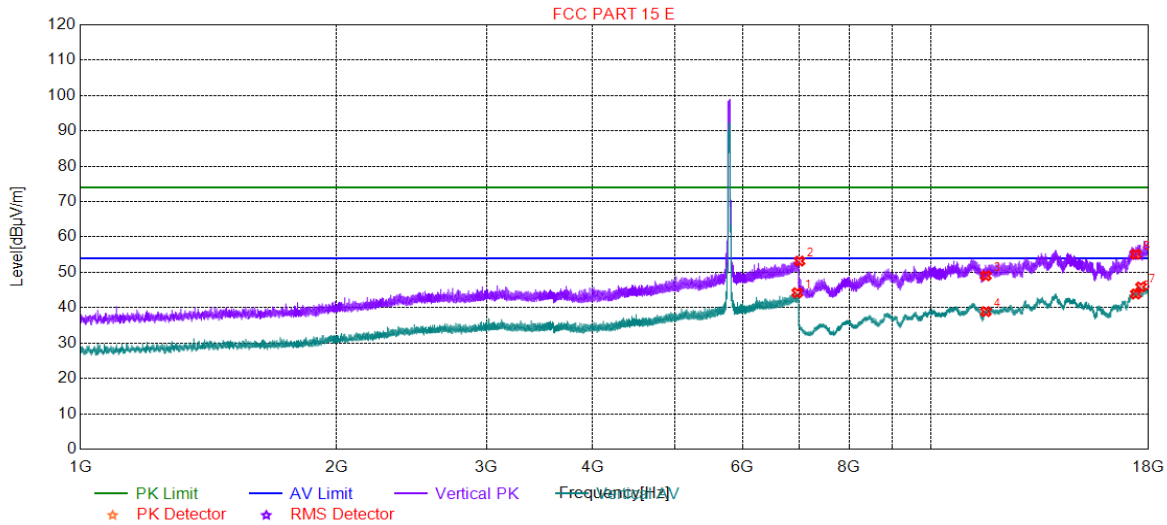
4.3.2.56 11N40\_MIMO\_151\_Vertical



| Suspected List |             |                |             |                |             |             |           |          |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| NO.            | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1              | 6888.9945   | 44.49          | 12.36       | 54.00          | 9.51        | 150         | 131       | Vertical |
| 2              | 6962.4981   | 54.12          | 12.63       | 74.00          | 19.88       | 150         | 357       | Vertical |
| 3              | 11510.0000  | 48.01          | -5.50       | 74.00          | 25.99       | 150         | 132       | Vertical |
| 4              | 11510.0000  | 36.80          | -5.50       | 54.00          | 17.20       | 150         | 302       | Vertical |
| 5              | 17265.0000  | 43.76          | -1.33       | 54.00          | 10.24       | 150         | 331       | Vertical |
| 6              | 17265.0000  | 55.28          | -1.33       | 74.00          | 18.72       | 150         | 246       | Vertical |
| 7              | 17514.8757  | 46.05          | 0.54        | 54.00          | 7.95        | 150         | 46        | Vertical |



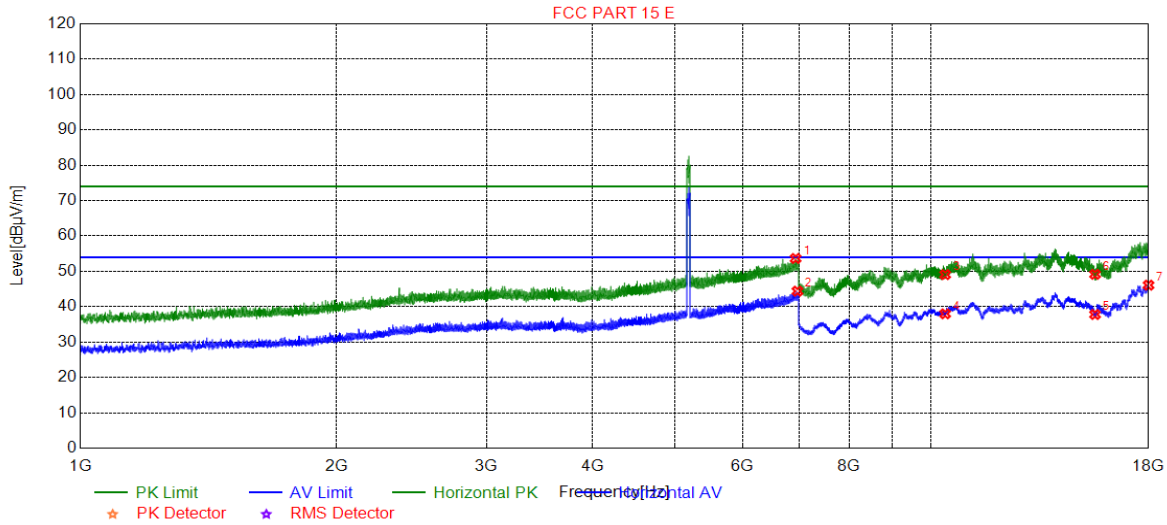
**4.3.2.57 11N40\_MIMO\_159\_Vertical**



| Suspected List |             |                |             |                |             |             |           |          |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| NO.            | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1              | 6957.9979   | 44.23          | 12.61       | 54.00          | 9.77        | 150         | 75        | Vertical |
| 2              | 6999.7000   | 53.18          | 12.77       | 74.00          | 20.82       | 150         | 273       | Vertical |
| 3              | 11590.0000  | 49.03          | -3.32       | 74.00          | 24.97       | 150         | 216       | Vertical |
| 4              | 11590.0000  | 38.90          | -3.32       | 54.00          | 15.10       | 150         | 245       | Vertical |
| 5              | 17385.0000  | 43.87          | -1.02       | 54.00          | 10.13       | 150         | 357       | Vertical |
| 6              | 17385.0000  | 55.10          | -1.02       | 74.00          | 18.90       | 150         | 330       | Vertical |
| 7              | 17628.1814  | 45.89          | 0.90        | 54.00          | 8.11        | 150         | 330       | Vertical |



**4.3.2.58 11N40\_MIMO\_38\_Horizontal**



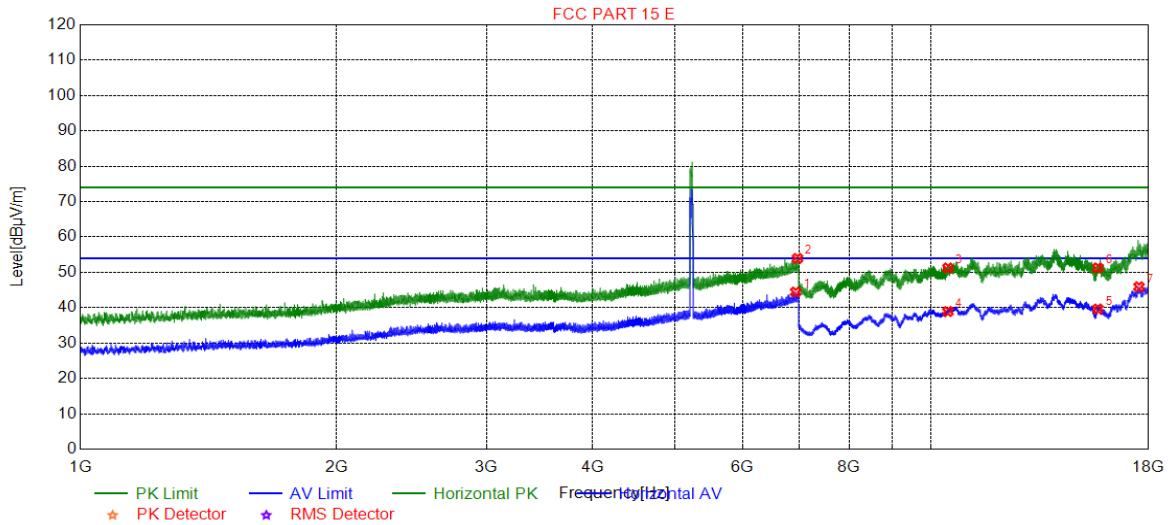
| Suspected List |             |                |             |                |             |             |           |            |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| NO.            | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1              | 6925.8963   | 53.64          | 12.50       | 74.00          | 20.36       | 150         | 58        | Horizontal |
| 2              | 6959.7980   | 44.40          | 12.62       | 54.00          | 9.60        | 150         | 3         | Horizontal |
| 3              | 10380.0000  | 49.08          | -5.36       | 74.00          | 24.92       | 150         | 342       | Horizontal |
| 4              | 10380.0000  | 37.99          | -5.36       | 54.00          | 16.01       | 150         | 285       | Horizontal |
| 5              | 15570.0000  | 37.80          | -4.02       | 54.00          | 16.20       | 150         | 114       | Horizontal |
| 6              | 15570.0000  | 49.16          | -4.02       | 74.00          | 24.84       | 150         | 314       | Horizontal |
| 7              | 17996.6998  | 46.10          | -0.38       | 54.00          | 7.90        | 150         | 114       | Horizontal |



Unless otherwise agreed 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)

**4.3.2.59 11N40\_MIMO\_46\_Horizontal**

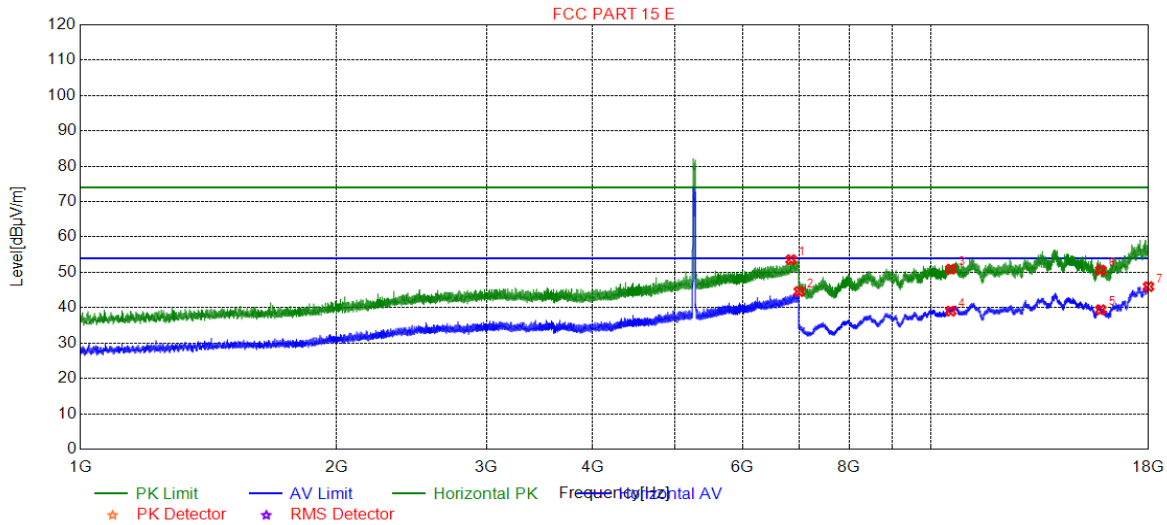


| Suspected List |             |                |             |                |             |             |           |            |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| NO.            | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1              | 6926.7963   | 44.44          | 12.50       | 54.00          | 9.56        | 150         | 2         | Horizontal |
| 2              | 6961.2981   | 53.95          | 12.63       | 74.00          | 20.05       | 150         | 228       | Horizontal |
| 3              | 10460.0000  | 51.26          | -4.70       | 74.00          | 22.74       | 150         | 228       | Horizontal |
| 4              | 10460.0000  | 38.93          | -4.70       | 54.00          | 15.07       | 150         | 342       | Horizontal |
| 5              | 15690.0000  | 39.65          | -2.93       | 54.00          | 14.35       | 150         | 171       | Horizontal |
| 6              | 15690.0000  | 51.27          | -2.93       | 74.00          | 22.73       | 150         | 56        | Horizontal |
| 7              | 17539.0770  | 45.93          | 0.85        | 54.00          | 8.07        | 150         | 56        | Horizontal |





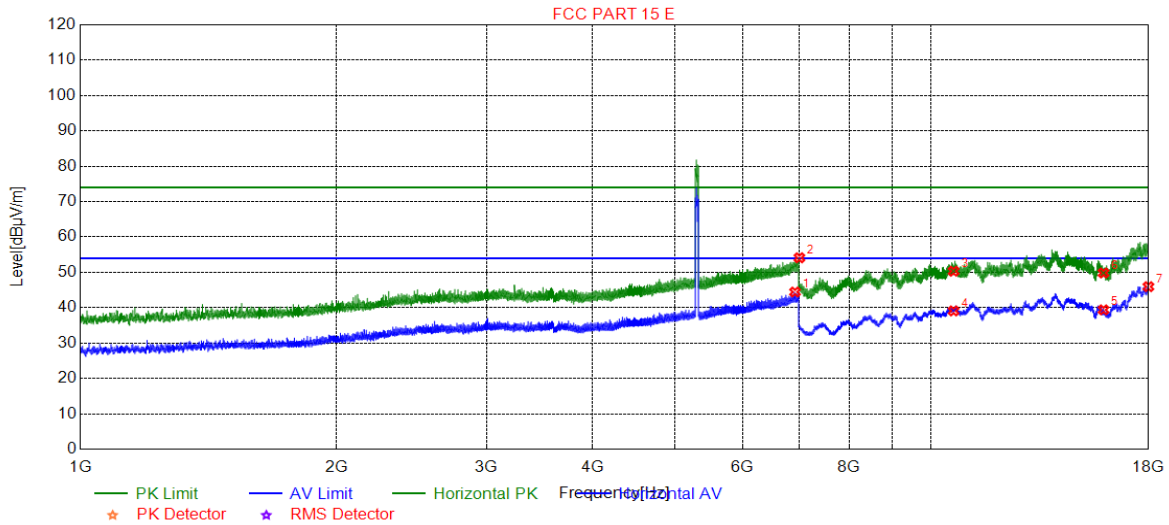
**4.3.2.60 11N40\_MIMO\_54\_Horizontal**



| Suspected List |             |                |             |                |             |             |           |            |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| NO.            | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1              | 6841.5921   | 53.58          | 12.18       | 74.00          | 20.42       | 150         | 227       | Horizontal |
| 2              | 6995.4998   | 44.58          | 12.75       | 54.00          | 9.42        | 150         | 54        | Horizontal |
| 3              | 10540.0000  | 50.92          | -4.46       | 74.00          | 23.08       | 150         | 228       | Horizontal |
| 4              | 10540.0000  | 39.03          | -4.46       | 54.00          | 14.97       | 150         | 85        | Horizontal |
| 5              | 15810.0000  | 39.45          | -2.42       | 54.00          | 14.55       | 150         | 142       | Horizontal |
| 6              | 15810.0000  | 50.64          | -2.42       | 74.00          | 23.36       | 150         | 85        | Horizontal |
| 7              | 17995.5998  | 45.97          | -0.38       | 54.00          | 8.03        | 150         | 170       | Horizontal |



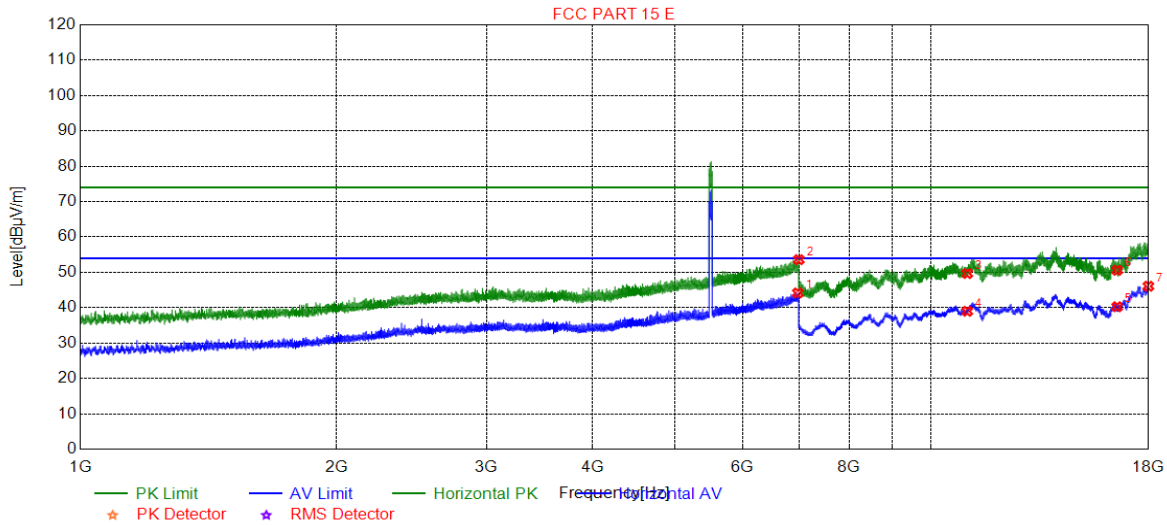
**4.3.2.61 11N40\_MIMO\_62\_Horizontal**



| Suspected List |             |                |             |                |             |             |           |            |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| NO.            | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1              | 6914.1957   | 44.44          | 12.45       | 54.00          | 9.56        | 150         | 26        | Horizontal |
| 2              | 6996.3998   | 54.12          | 12.76       | 74.00          | 19.88       | 150         | 112       | Horizontal |
| 3              | 10620.0000  | 50.33          | -4.72       | 74.00          | 23.67       | 150         | 56        | Horizontal |
| 4              | 10620.0000  | 39.10          | -4.72       | 54.00          | 14.90       | 150         | 256       | Horizontal |
| 5              | 15930.0000  | 39.40          | -3.73       | 54.00          | 14.60       | 150         | 342       | Horizontal |
| 6              | 15930.0000  | 49.83          | -3.73       | 74.00          | 24.17       | 150         | 285       | Horizontal |
| 7              | 17990.6495  | 45.95          | -0.42       | 54.00          | 8.05        | 150         | 56        | Horizontal |



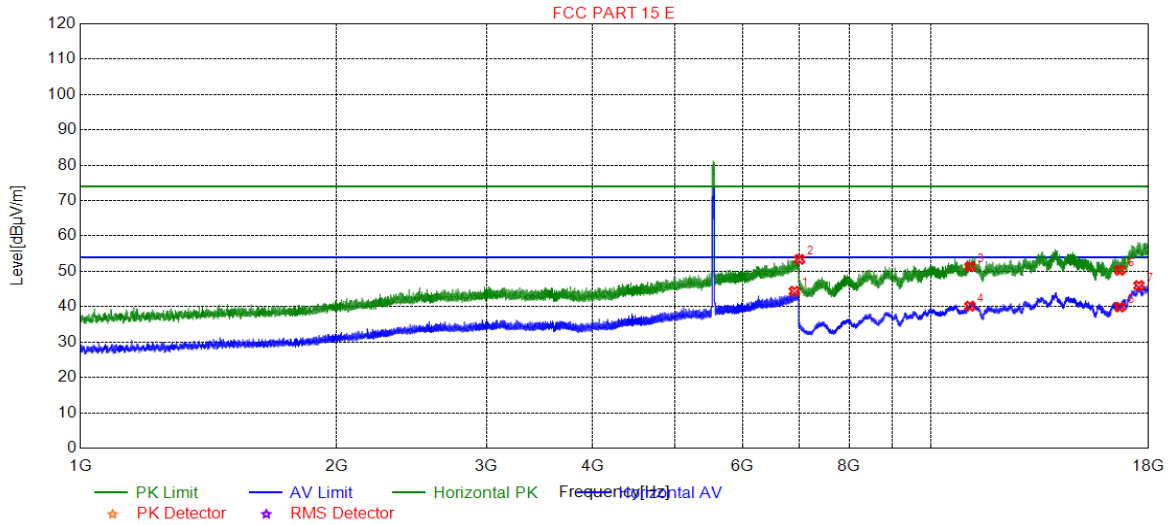
**4.3.2.62 11N40\_MIMO\_102\_Horizontal**



| Suspected List |             |                |             |                |             |             |           |            |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| NO.            | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1              | 6968.1984   | 44.18          | 12.65       | 54.00          | 9.82        | 150         | 245       | Horizontal |
| 2              | 6985.8993   | 53.59          | 12.72       | 74.00          | 20.41       | 150         | 274       | Horizontal |
| 3              | 11020.0000  | 49.67          | -4.09       | 74.00          | 24.33       | 150         | 224       | Horizontal |
| 4              | 11020.0000  | 39.00          | -4.09       | 54.00          | 15.00       | 150         | 110       | Horizontal |
| 5              | 16530.0000  | 40.28          | -3.84       | 54.00          | 13.72       | 150         | 252       | Horizontal |
| 6              | 16530.0000  | 50.59          | -3.84       | 74.00          | 23.41       | 150         | 196       | Horizontal |
| 7              | 17987.8994  | 46.08          | -0.44       | 54.00          | 7.92        | 150         | 110       | Horizontal |



**4.3.2.63 11N40\_MIMO\_110\_Horizontal**



| Suspected List |             |                |             |                |             |             |           |            |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| NO.            | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1              | 6903.0952   | 44.37          | 12.41       | 54.00          | 9.63        | 150         | 342       | Horizontal |
| 2              | 6999.1000   | 53.40          | 12.77       | 74.00          | 20.60       | 150         | 81        | Horizontal |
| 3              | 11100.0000  | 51.34          | -3.36       | 74.00          | 22.66       | 150         | 1         | Horizontal |
| 4              | 11100.0000  | 40.15          | -3.36       | 54.00          | 13.85       | 150         | 1         | Horizontal |
| 5              | 16650.0000  | 39.90          | -4.20       | 54.00          | 14.10       | 150         | 254       | Horizontal |
| 6              | 16650.0000  | 50.30          | -4.20       | 74.00          | 23.70       | 150         | 165       | Horizontal |
| 7              | 17536.8768  | 45.98          | 0.82        | 54.00          | 8.02        | 150         | 254       | Horizontal |

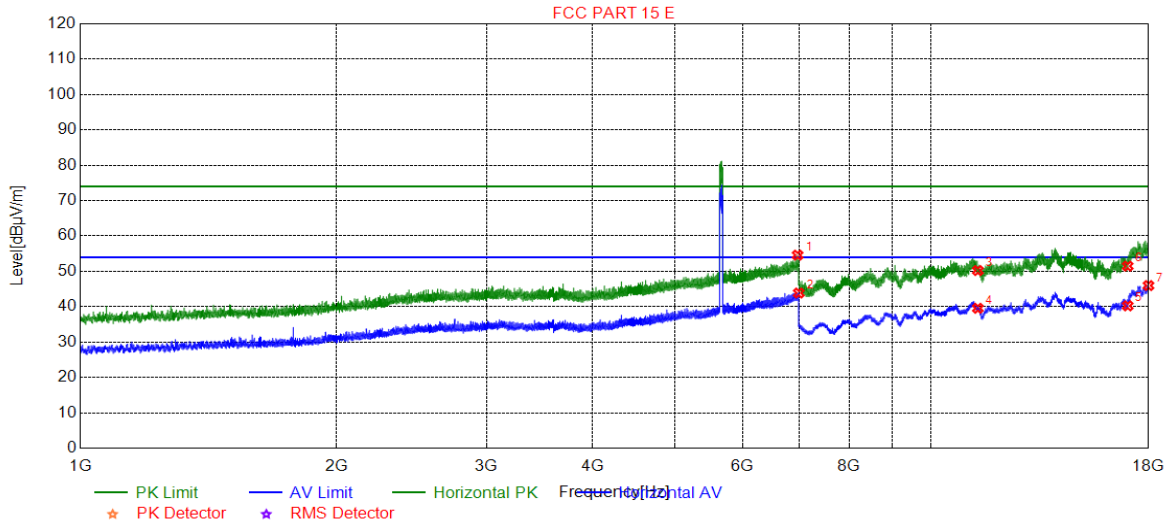


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



**4.3.2.64 11N40\_MIMO\_134\_Horizontal**



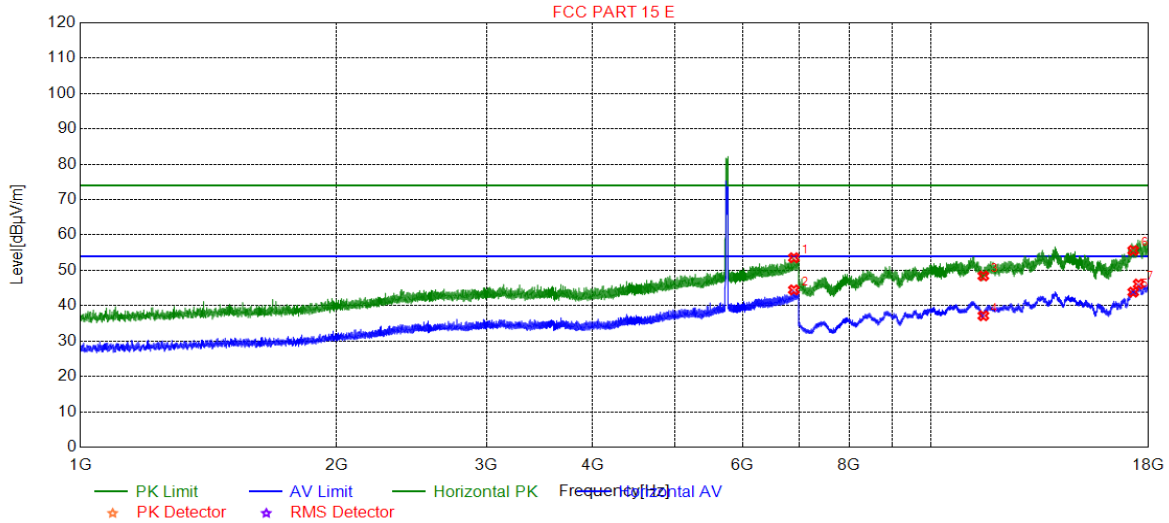
| Suspected List |             |                |             |                |             |             |           |            |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| NO.            | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1              | 6963.3982   | 54.59          | 12.63       | 74.00          | 19.41       | 150         | 78        | Horizontal |
| 2              | 6984.6992   | 43.87          | 12.71       | 54.00          | 10.13       | 150         | 137       | Horizontal |
| 3              | 11340.0000  | 50.22          | -4.59       | 74.00          | 23.78       | 150         | 171       | Horizontal |
| 4              | 11340.0000  | 39.56          | -4.59       | 54.00          | 14.44       | 150         | 256       | Horizontal |
| 5              | 17010.0000  | 40.25          | -3.20       | 54.00          | 13.75       | 150         | 2         | Horizontal |
| 6              | 17010.0000  | 51.48          | -3.20       | 74.00          | 22.52       | 150         | 56        | Horizontal |
| 7              | 17993.3997  | 45.98          | -0.40       | 54.00          | 8.02        | 150         | 199       | Horizontal |



Unless otherwise agreed 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)

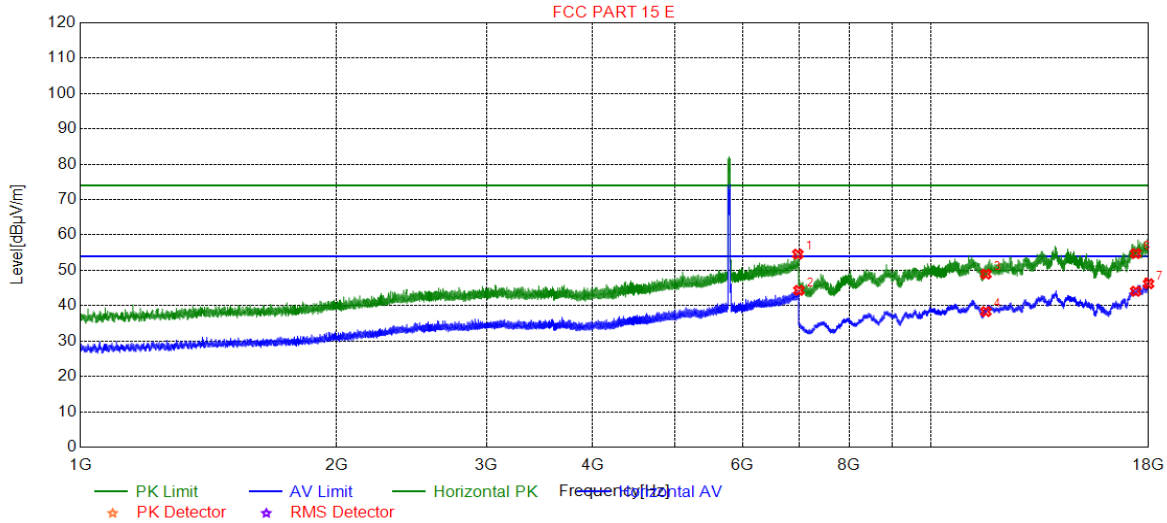
**4.3.2.65 11N40\_MIMO\_151\_Horizontal**



| Suspected List |             |                |             |                |             |             |           |            |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| NO.            | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1              | 6892.5946   | 53.55          | 12.37       | 74.00          | 20.45       | 150         | 283       | Horizontal |
| 2              | 6892.8946   | 44.47          | 12.37       | 54.00          | 9.53        | 150         | 311       | Horizontal |
| 3              | 11510.0000  | 48.42          | -5.50       | 74.00          | 25.58       | 150         | 199       | Horizontal |
| 4              | 11510.0000  | 37.16          | -5.50       | 54.00          | 16.84       | 150         | 3         | Horizontal |
| 5              | 17265.0000  | 43.84          | -1.33       | 54.00          | 10.16       | 150         | 342       | Horizontal |
| 6              | 17265.0000  | 55.61          | -1.33       | 74.00          | 18.39       | 150         | 171       | Horizontal |
| 7              | 17516.5258  | 46.14          | 0.56        | 54.00          | 7.86        | 150         | 3         | Horizontal |



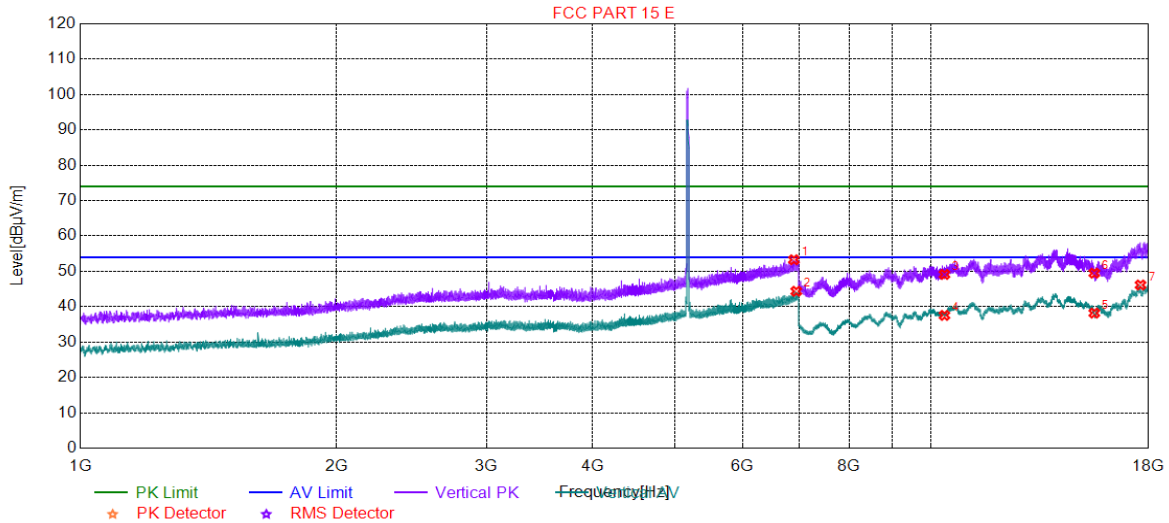
**4.3.2.66 11N40\_MIMO\_159\_Horizontal**



| Suspected List |             |                |             |                |             |             |           |            |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| NO.            | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1              | 6967.8984   | 54.58          | 12.65       | 74.00          | 19.42       | 150         | 200       | Horizontal |
| 2              | 6988.2994   | 44.34          | 12.73       | 54.00          | 9.66        | 150         | 200       | Horizontal |
| 3              | 11590.0000  | 48.94          | -3.32       | 74.00          | 25.06       | 150         | 192       | Horizontal |
| 4              | 11590.0000  | 38.35          | -3.32       | 54.00          | 15.65       | 150         | 50        | Horizontal |
| 5              | 17385.0000  | 44.09          | -1.02       | 54.00          | 9.91        | 150         | 342       | Horizontal |
| 6              | 17385.0000  | 54.76          | -1.02       | 74.00          | 19.24       | 150         | 342       | Horizontal |
| 7              | 17996.6998  | 46.21          | -0.38       | 54.00          | 7.79        | 150         | 134       | Horizontal |



**4.3.2.67 11AC20\_MIMO\_36\_Veritical**



| Suspected List |             |                |             |                |             |             |           |          |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| NO.            | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1              | 6893.4947   | 53.27          | 12.38       | 74.00          | 20.73       | 150         | 285       | Vertical |
| 2              | 6937.8969   | 44.37          | 12.54       | 54.00          | 9.63        | 150         | 228       | Vertical |
| 3              | 10360.0000  | 49.13          | -5.35       | 74.00          | 24.87       | 150         | 104       | Vertical |
| 4              | 10360.0000  | 37.55          | -5.35       | 54.00          | 16.45       | 150         | 160       | Vertical |
| 5              | 15540.0000  | 38.20          | -3.26       | 54.00          | 15.80       | 150         | 332       | Vertical |
| 6              | 15540.0000  | 49.49          | -3.26       | 74.00          | 24.51       | 150         | 358       | Vertical |
| 7              | 17608.9304  | 46.14          | 1.40        | 54.00          | 7.86        | 150         | 246       | Vertical |

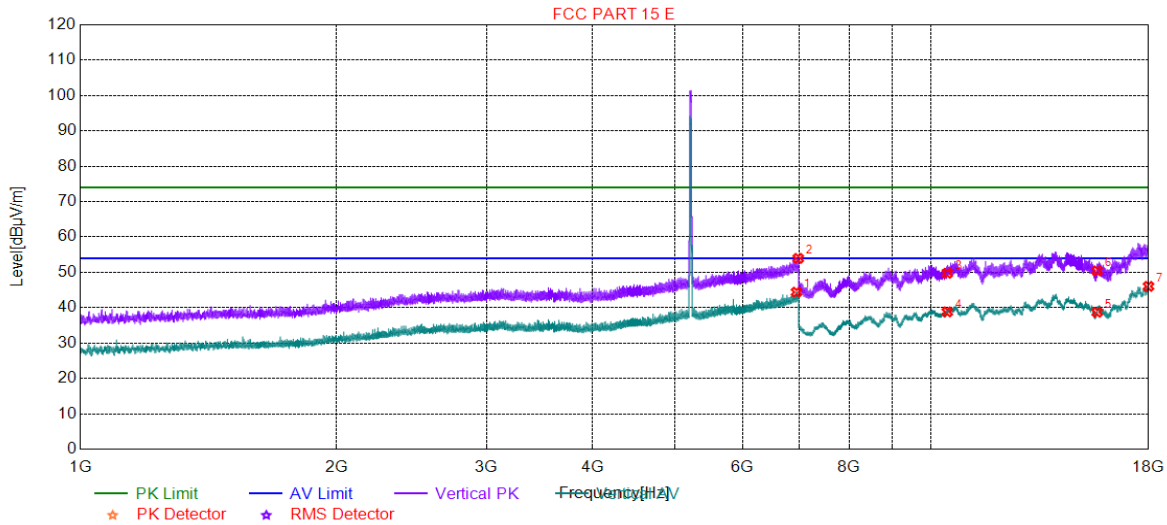


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



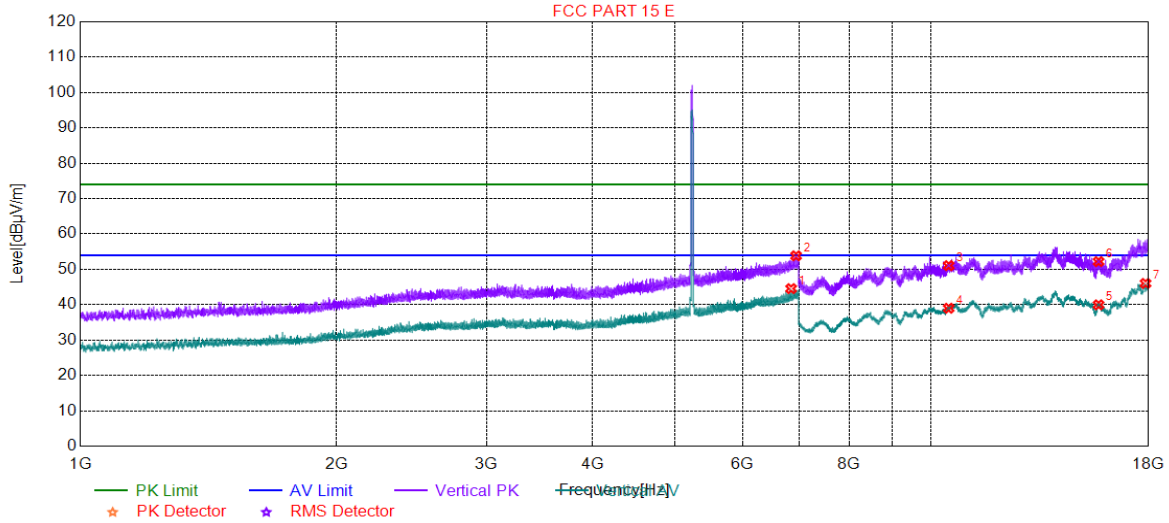
**4.3.2.68 11AC20\_MIMO\_44\_Verical**



| Suspected List |             |                |             |                |             |             |           |          |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| NO.            | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1              | 6942.0971   | 44.41          | 12.56       | 54.00          | 9.59        | 150         | 171       | Vertical |
| 2              | 6974.1987   | 53.95          | 12.67       | 74.00          | 20.05       | 150         | 29        | Vertical |
| 3              | 10440.0000  | 49.73          | -4.92       | 74.00          | 24.27       | 150         | 46        | Vertical |
| 4              | 10440.0000  | 38.83          | -4.92       | 54.00          | 15.17       | 150         | 273       | Vertical |
| 5              | 15660.0000  | 38.72          | -3.54       | 54.00          | 15.28       | 150         | 244       | Vertical |
| 6              | 15660.0000  | 50.43          | -3.54       | 74.00          | 23.57       | 150         | 103       | Vertical |
| 7              | 17994.4997  | 46.04          | -0.39       | 54.00          | 7.96        | 150         | 75        | Vertical |



4.3.2.69 11AC20\_MIMO\_48\_Veritical



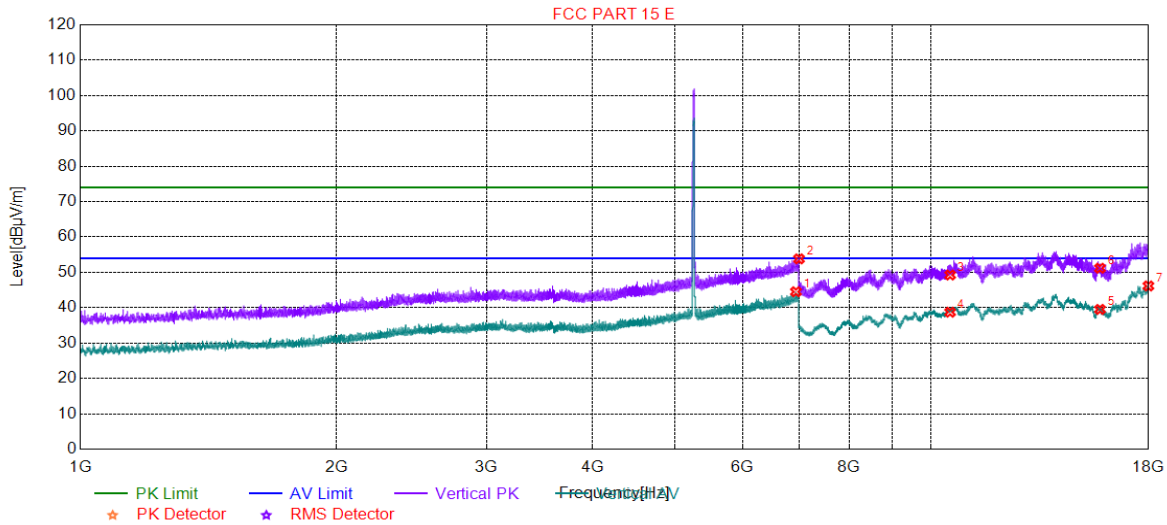
| Suspected List |             |                |             |                |             |             |           |          |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| NO.            | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1              | 6841.8921   | 44.55          | 12.18       | 54.00          | 9.45        | 150         | 211       | Vertical |
| 2              | 6933.9967   | 53.83          | 12.53       | 74.00          | 20.17       | 150         | 244       | Vertical |
| 3              | 10480.0000  | 51.05          | -4.49       | 74.00          | 22.95       | 150         | 304       | Vertical |
| 4              | 10480.0000  | 39.01          | -4.49       | 54.00          | 14.99       | 150         | 76        | Vertical |
| 5              | 15720.0000  | 39.97          | -2.65       | 54.00          | 14.03       | 150         | 219       | Vertical |
| 6              | 15720.0000  | 52.19          | -2.65       | 74.00          | 21.81       | 150         | 76        | Vertical |
| 7              | 17850.3925  | 46.03          | -0.94       | 54.00          | 7.97        | 150         | 162       | Vertical |



Unless otherwise agreed 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)

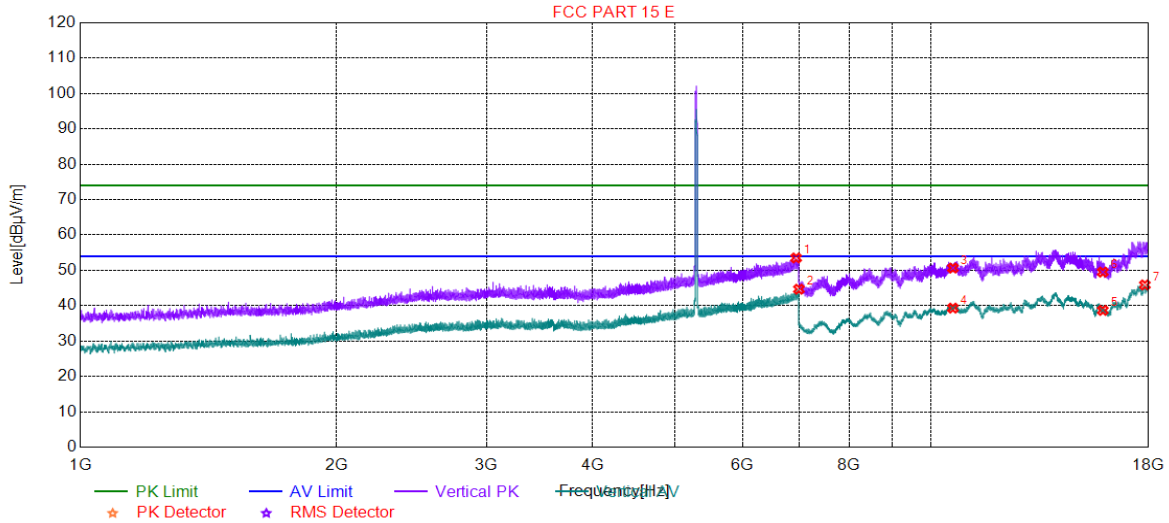
**4.3.2.70 11AC20\_MIMO\_52\_Verical**



| Suspected List |             |                |             |                |             |             |           |          |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| NO.            | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1              | 6931.8966   | 44.52          | 12.52       | 54.00          | 9.48        | 150         | 179       | Vertical |
| 2              | 6988.8994   | 53.81          | 12.73       | 74.00          | 20.19       | 150         | 310       | Vertical |
| 3              | 10520.0000  | 49.25          | -4.37       | 74.00          | 24.75       | 150         | 308       | Vertical |
| 4              | 10520.0000  | 38.74          | -4.37       | 54.00          | 15.26       | 150         | 308       | Vertical |
| 5              | 15780.0000  | 39.52          | -2.36       | 54.00          | 14.48       | 150         | 192       | Vertical |
| 6              | 15780.0000  | 51.17          | -2.36       | 74.00          | 22.83       | 150         | 74        | Vertical |
| 7              | 17990.0995  | 46.15          | -0.43       | 54.00          | 7.85        | 150         | 280       | Vertical |



**4.3.2.71 11AC20\_MIMO\_60\_Verical**

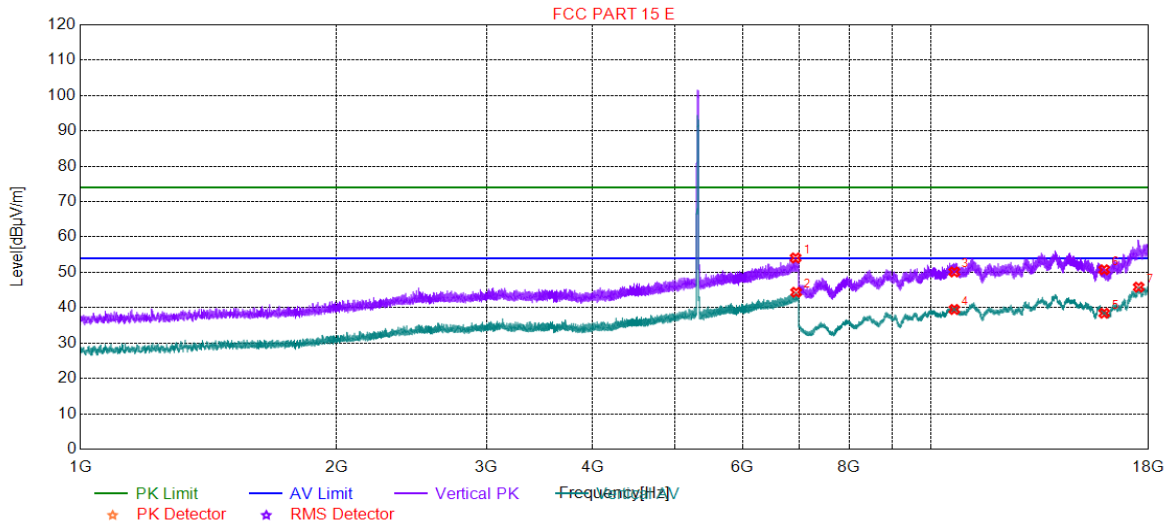


| Suspected List |             |                |             |                |             |             |           |          |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| NO.            | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1              | 6934.8967   | 53.50          | 12.53       | 74.00          | 20.50       | 150         | 252       | Vertical |
| 2              | 6987.6994   | 44.67          | 12.72       | 54.00          | 9.33        | 150         | 313       | Vertical |
| 3              | 10600.0000  | 50.65          | -4.75       | 74.00          | 23.35       | 150         | 47        | Vertical |
| 4              | 10600.0000  | 39.33          | -4.75       | 54.00          | 14.67       | 150         | 47        | Vertical |
| 5              | 15900.0000  | 38.69          | -3.75       | 54.00          | 15.31       | 150         | 357       | Vertical |
| 6              | 15900.0000  | 49.51          | -3.75       | 74.00          | 24.49       | 150         | 75        | Vertical |
| 7              | 17817.9409  | 45.88          | -0.83       | 54.00          | 8.12        | 150         | 302       | Vertical |





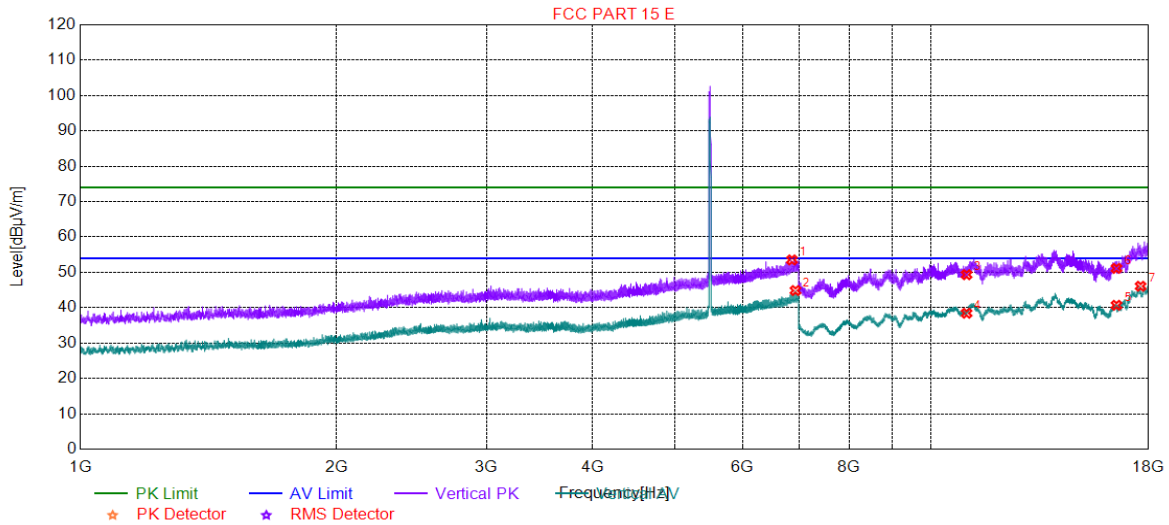
4.3.2.72 11AC20\_MIMO\_64\_Verical



| Suspected List |             |                |             |                |             |             |           |          |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| NO.            | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1              | 6925.5963   | 54.08          | 12.49       | 74.00          | 19.92       | 150         | 284       | Vertical |
| 2              | 6935.1968   | 44.37          | 12.53       | 54.00          | 9.63        | 150         | 2         | Vertical |
| 3              | 10640.0000  | 50.11          | -4.69       | 74.00          | 23.89       | 150         | 160       | Vertical |
| 4              | 10640.0000  | 39.51          | -4.69       | 54.00          | 14.49       | 150         | 189       | Vertical |
| 5              | 15960.0000  | 38.44          | -3.70       | 54.00          | 15.56       | 150         | 302       | Vertical |
| 6              | 15960.0000  | 50.73          | -3.70       | 74.00          | 23.27       | 150         | 160       | Vertical |
| 7              | 17522.0261  | 45.82          | 0.63        | 54.00          | 8.18        | 150         | 357       | Vertical |



**4.3.2.73 11AC20\_MIMO\_100\_Veritical**



| Suspected List |             |                |             |                |             |             |           |          |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| NO.            | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1              | 6857.4929   | 53.51          | 12.24       | 74.00          | 20.49       | 150         | 24        | Vertical |
| 2              | 6922.8961   | 44.86          | 12.48       | 54.00          | 9.14        | 150         | 52        | Vertical |
| 3              | 11000.0000  | 49.34          | -4.28       | 74.00          | 24.66       | 150         | 47        | Vertical |
| 4              | 11000.0000  | 38.44          | -4.28       | 54.00          | 15.56       | 150         | 247       | Vertical |
| 5              | 16500.0000  | 40.70          | -3.62       | 54.00          | 13.30       | 150         | 275       | Vertical |
| 6              | 16500.0000  | 51.12          | -3.62       | 74.00          | 22.88       | 150         | 189       | Vertical |
| 7              | 17613.8807  | 46.07          | 1.27        | 54.00          | 7.93        | 150         | 18        | Vertical |

