



Report No.: SUCR260800072902

Page: 1 of 270

## TEST REPORT

**Application No.:** SUCR2608000729AT  
**FCC ID:** 2A6J8-DS001  
**Applicant:** Shenzhen Tuozhu Technology Co., Ltd.  
**Address of Applicant:** 401, West Zone, Hengchang Science and Technology Building, No. 2228 Linhai Avenue, Nanshan Street, Qianhai Shengang Cooperation Zone, Shenzhen.  
**Manufacturer:** Shenzhen Tuozhu Technology Co., Ltd.  
**Address of Manufacturer:** 401, West Zone, Hengchang Science and Technology Building, No. 2228 Linhai Avenue, Nanshan Street, Qianhai Shengang Cooperation Zone, Shenzhen.  
**Equipment Under Test (EUT):**  
**EUT Name:** Bambu Lab S1  
**Model No.:** DS001  
**Trade Mark:** Bambu Lab  
**Standard(s) :** 47 CFR Part 15, Subpart E 15.407  
**Date of Receipt:** 2026-08-03  
**Date of Test:** 2026-08-12 to 2026-09-02  
**Date of Issue:** 2026-09-10

**Test Result:**

**Pass\***

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

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| Revision Record |             |            |        |
|-----------------|-------------|------------|--------|
| Version         | Description | Date       | Remark |
| 00              | Original    | 2026-09-10 | /      |
|                 |             |            |        |
|                 |             |            |        |

|                          |  |                              |  |  |
|--------------------------|--|------------------------------|--|--|
| Authorized for issue by: |  |                              |  |  |
| Prepared By              |  | <i>Nature Shen</i>           |  |  |
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| Approved By              |  | <i>Cedar Cheng</i>           |  |  |
|                          |  | Cedar Cheng /Reviewer        |  |  |

## 2 Test Summary

| Radio Spectrum Technical Requirement |                                  |        |                                      |        |
|--------------------------------------|----------------------------------|--------|--------------------------------------|--------|
| Item                                 | Standard                         | Method | Requirement                          | Result |
| Antenna Requirement                  | 47 CFR Part 15, Subpart E 15.407 | N/A    | 47 CFR Part 15, Subpart C 15.203     | Pass   |
| Transmission in the Absence of Data  |                                  | N/A    | 47 CFR Part 15, Subpart E 15.407 (c) | Pass   |

| Radio Spectrum Matter Part                            |                                  |                                                     |                                                          |        |
|-------------------------------------------------------|----------------------------------|-----------------------------------------------------|----------------------------------------------------------|--------|
| Item                                                  | Standard                         | Method                                              | Requirement                                              | Result |
| Conducted Emissions at AC Power Line (150kHz-30MHz)   | 47 CFR Part 15, Subpart E 15.407 | ANSI C63.10-2020+Cor.1-2023 Section 6.2             | 47 CFR Part 15, Subpart C 15.207 & Subpart E 15.407 b(9) | Pass   |
| Radiated Emissions (Below 1GHz)                       |                                  | ANSI C63.10-2020+Cor.1-2023 Section 6.4,6.5         | 47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)   | Pass   |
| Radiated Emissions (Above 1GHz)                       |                                  | ANSI C63.10-2020+Cor.1-2023 Section 6.6 & 12.7      | 47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)   | Pass   |
| Radiated Emissions which fall in the restricted bands |                                  | ANSI C63.10-2020+Cor.1-2023 Section 6.10.5 & 12.7.2 | 47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)   | Pass   |
| Duty Cycle                                            |                                  | ANSI C63.10-2020+Cor.1-2023 Section 12.2            | ANSI C63.10-2020+Cor.1-2023 Section 12.2                 | Pass   |
| 99% Bandwidth                                         |                                  | ANSI C63.10-2020+Cor.1-2023 Section 6.9.3           | ANSI C63.10-2020+Cor.1-2023 Section 12.5.3               | Pass   |
| 26dB Emission Bandwidth                               |                                  | ANSI C63.10-2020+Cor.1-2023 Section 12.5.2          | 47 CFR Part 15, Subpart E 15.407 (a)                     | Pass   |
| Minimum 6 dB Bandwidth (5.725-5.85 GHz band )         |                                  | ANSI C63.10-2020+Cor.1-2023 Section 12.5.1          | 47 CFR Part 15, Subpart E 15.407 (e)                     | Pass   |
| Maximum Conducted Output Power                        |                                  | ANSI C63.10-2020+Cor.1-2023 Section 12.4            | 47 CFR Part 15, Subpart E 15.407 (a)                     | Pass   |
| Power Spectral Density                                |                                  | ANSI C63.10-2020+Cor.1-2023 Section 12.6            | 47 CFR Part 15, Subpart E 15.407 (a)                     | Pass   |
| Frequency Stability                                   |                                  | ANSI C63.10-2020+Cor.1-2023 Section 6.8             | 47 CFR Part 15, Subpart E 15.407 (g)                     | Pass   |

### 3 Contents

Page

|           |                                                             |            |
|-----------|-------------------------------------------------------------|------------|
| <b>1</b>  | <b>COVER PAGE .....</b>                                     | <b>1</b>   |
| <b>2</b>  | <b>Test Summary .....</b>                                   | <b>3</b>   |
| <b>3</b>  | <b>Contents.....</b>                                        | <b>4</b>   |
| <b>4</b>  | <b>General Information.....</b>                             | <b>5</b>   |
| 4.1       | Details of E.U.T. ....                                      | 5          |
| 4.2       | Description of Support Units .....                          | 5          |
| 4.3       | Measurement Uncertainty & Decision Rule .....               | 6          |
| 4.4       | Test Location.....                                          | 7          |
| 4.5       | Test Facility .....                                         | 7          |
| 4.6       | Deviation from Standards.....                               | 7          |
| 4.7       | Abnormalities from Standard Conditions.....                 | 7          |
| <b>5</b>  | <b>Equipment List .....</b>                                 | <b>8</b>   |
| <b>6</b>  | <b>Radio Spectrum Technical Requirement.....</b>            | <b>10</b>  |
| 6.1       | Antenna Requirement .....                                   | 10         |
| 6.2       | Transmission in the Absence of Data .....                   | 11         |
| <b>7</b>  | <b>Radio Spectrum Matter Test Results .....</b>             | <b>12</b>  |
| 7.1       | Conducted Emissions at AC Power Line (150kHz-30MHz).....    | 12         |
| 7.2       | Radiated Emissions (Below 1GHz) .....                       | 16         |
| 7.3       | Radiated Emissions (Above 1GHz).....                        | 21         |
| 7.4       | Radiated Emissions which fall in the restricted bands ..... | 60         |
| 7.5       | Duty Cycle .....                                            | 93         |
| 7.6       | 99% Bandwidth .....                                         | 94         |
| 7.7       | 26dB Emission Bandwidth .....                               | 95         |
| 7.8       | Minimum 6 dB Bandwidth (5.725-5.85 GHz band ) .....         | 96         |
| 7.9       | Maximum Conducted Output Power .....                        | 97         |
| 7.10      | Power Spectral Density .....                                | 99         |
| 7.11      | Frequency Stability .....                                   | 101        |
| <b>8</b>  | <b>Test Setup Photo .....</b>                               | <b>102</b> |
| <b>9</b>  | <b>EUT Constructional Details (EUT Photos).....</b>         | <b>103</b> |
| <b>10</b> | <b>Appendix.....</b>                                        | <b>104</b> |

## 4 General Information

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

|                                                 |                                                                                                                                                                                                                        |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Power supply:                                   | DC 20V,3A<br>AC Adapter model: DCTPD60WUS-B1<br>Input: AC 100-240V,50/60Hz,1.6A max.<br>Output: DC 5V,3A; DC 9V,3A; DC 12V,3A; DC15V,3A; DC 20V,3A                                                                     |
| Operation Frequency/Number of channels (20MHz): | U-NII-1: 5180-5240MHz (4 Channels);<br>U-NII-3: 5745-5825MHz (5 Channels)                                                                                                                                              |
| Operation Frequency/Number of channels/(40MHz): | U-NII-1: 5190-5230MHz (2 Channels);<br>U-NII-3: 5755-5795MHz (2 Channels)                                                                                                                                              |
| Operation Frequency/Number of channels (80MHz): | U-NII-1: 5210MHz (1 Channel);<br>U-NII-3: 5775MHz (1 Channel)                                                                                                                                                          |
| Modulation Type:                                | 802.11a: OFDM (BPSK, QPSK, 16-QAM, 64-QAM);<br>802.11n: OFDM (BPSK, QPSK, 16-QAM, 64-QAM);<br>802.11ac: OFDM (BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM);<br>802.11ax: OFDMA (BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM, 1024-QAM) |
| Channel Spacing:                                | 802.11a/n/ac/ax 20: 20MHz;<br>802.11n/ac/ax 40: 40MHz;<br>802.11ac/ax 80: 80MHz                                                                                                                                        |
| DFS Function:                                   | Without DFS function                                                                                                                                                                                                   |
| TPC Function:                                   | Without TPC function                                                                                                                                                                                                   |
| Antenna Type:                                   | FPC Antenna                                                                                                                                                                                                            |
| Antenna Gain:                                   | Ant 1: 5.26dBi (Provided by the manufacturer)<br>Ant 2: 5.26dBi (Provided by the manufacturer)<br>Directional gain: 5.26dBi<br>Remark: Antenna1 and antenna 2 are completely uncorrelated with each other              |

### 4.2 Description of Support Units

| Description | Manufacturer                | Model No.       | Serial No. |
|-------------|-----------------------------|-----------------|------------|
| Computer    | Lenovo                      | T14             | 2YK6GR     |
| AC Adapter  | DEE VAN ENTERPRISE CO.,LTD. | DSA-18QFB FUS A | /          |

### 4.3 Measurement Uncertainty & Decision Rule

| No.                                                                                                                                                                                                                                                                                                                                             | Item                         | Measurement Uncertainty              |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|--------------------------------------|
| 1                                                                                                                                                                                                                                                                                                                                               | Radio Frequency              | $\pm 7.25 \times 10^{-8}$            |
| 2                                                                                                                                                                                                                                                                                                                                               | Duty cycle                   | $\pm 0.37\%$                         |
| 3                                                                                                                                                                                                                                                                                                                                               | Occupied Bandwidth           | $\pm 3\%$                            |
| 4                                                                                                                                                                                                                                                                                                                                               | Conduction emission          | $\pm 3.0\text{dB}$ (150kHz to 30MHz) |
| 5                                                                                                                                                                                                                                                                                                                                               | RF conducted power           | $\pm 0.75\text{dB}$                  |
| 6                                                                                                                                                                                                                                                                                                                                               | RF power density             | $\pm 2.84\text{dB}$                  |
| 7                                                                                                                                                                                                                                                                                                                                               | Conducted Spurious emissions | $\pm 0.75\text{dB}$                  |
| 8                                                                                                                                                                                                                                                                                                                                               | RF Radiated power            | $\pm 1.56\text{dB}$ (9KHz-30MHz)     |
|                                                                                                                                                                                                                                                                                                                                                 |                              | $\pm 4.80\text{dB}$ (30MHz-1GHz)     |
|                                                                                                                                                                                                                                                                                                                                                 |                              | $\pm 4.80\text{dB}$ (1GHz-18GHz)     |
|                                                                                                                                                                                                                                                                                                                                                 |                              | $\pm 4.80\text{dB}$ (18GHz-40GHz)    |
| 9                                                                                                                                                                                                                                                                                                                                               | Temperature test             | $\pm 1^\circ\text{C}$                |
| 10                                                                                                                                                                                                                                                                                                                                              | Humidity test                | $\pm 3\%$                            |
| 11                                                                                                                                                                                                                                                                                                                                              | Supply voltages              | $\pm 1\%$                            |
| 12                                                                                                                                                                                                                                                                                                                                              | Time                         | $\pm 3\%$                            |
| Remark:<br>The $U_{\text{lab}}$ (lab Uncertainty) is less than $U_{\text{CISPR/ETSI}}$ (CISPR/ETSI Uncertainty), so the test results<br>– compliance is deemed to occur if no measured disturbance level exceeds the disturbance limit;<br>– non-compliance is deemed to occur if any measured disturbance level exceeds the disturbance limit. |                              |                                      |

#### 4.4 Test Location

All tests were performed at:

SGS Tongfang Technical Services (Suzhou) Co., Ltd.

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu)  
Pilot Free Trade Zone

No tests were sub-contracted.

Note:

1.SGS is not responsible for wrong test results due to incorrect information (e.g., max. internal working frequency, antenna gain, cable loss, etc) is provided by the applicant. (If applicable).

2.SGS is not responsible for the authenticity, integrity and the validity of the conclusion based on results of the data provided by applicant. (If applicable).

3. Sample source: sent by customer.

#### 4.5 Test Facility

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

- **A2LA (Certificate No. 6336.01)**

SGS Tongfang Technical Services (Suzhou) Co., Ltd. is accredited by the American Association for Laboratory Accreditation (A2LA).

- **FCC (Designation Number: CN1312)**

This site has been recognized as an accredited testing laboratory. Test Firm Registration Number:717327

- **ISED (CAB Identifier: CN0120)**

This site has been recognized by Innovation, Science and Economic Development Canada (ISED) as an accredited testing laboratory.

Company Number: 27594

#### 4.6 Deviation from Standards

None

#### 4.7 Abnormalities from Standard Conditions

None

## 5 Equipment List

| Item                                         | Equipment                                 | Manufacturer               | Model            | Inventory No  | Cal Date   | Cal. Due Date |
|----------------------------------------------|-------------------------------------------|----------------------------|------------------|---------------|------------|---------------|
| <b>Conducted Emission at Mains Terminals</b> |                                           |                            |                  |               |            |               |
| 1                                            | EMI Test Receive                          | R&S                        | ESR7             | SUWI-01-10-01 | 1/14/2026  | 1/13/2027     |
| 2                                            | LISN                                      | R&S                        | ENV216           | SUWI-01-19-03 | 4/22/2026  | 4/21/2027     |
| 3                                            | LISN                                      | Schwarzbeck                | ENV216           | SUWI-01-19-04 | 4/22/2026  | 4/21/2027     |
| 4                                            | Test Software                             | Tonscend                   | JS32-CE 4.0.0.2  | SUWI-02-09-05 | N.C.R      | N.C.R         |
| 5                                            | Test Cable                                | Tonscend                   | NA               | SUWI-01-03-04 | 4/22/2026  | 4/21/2027     |
| <b>RF Conducted Test</b>                     |                                           |                            |                  |               |            |               |
| 1                                            | Signal Analyzer                           | ROHDE&SCHWARZ              | FSW43            | SUWI-01-02-04 | 1/14/2026  | 1/13/2027     |
| 2                                            | Signal Analyzer                           | KEYSIGHT                   | N9020A           | SUWI-01-02-15 | 11/21/2025 | 11/20/2026    |
| 3                                            | MXG Vector signal genitor                 | KEYSIGHT                   | N5182B           | SUWI-01-38-01 | 1/14/2026  | 1/13/2027     |
| 4                                            | Signal Generator                          | ROHDE&SCHWARZ              | SMW200A          | SUWI-01-07-08 | 1/15/2026  | 1/14/2027     |
| 5                                            | Signal Generator                          | ROHDE&SCHWARZ              | SMW100A          | SUWI-01-08-01 | 1/14/2026  | 1/13/2027     |
| 6                                            | MXG Vector Signal Generator               | ROHDE&SCHWARZ              | SMR20            | SUWI-01-33-01 | 1/15/2026  | 1/14/2027     |
| 7                                            | Wideband Radio Communication Tester       | ROHDE&SCHWARZ              | CMW500           | SUWI-01-16-13 | 4/22/2026  | 4/21/2027     |
| 8                                            | Wideband Radio Communication Test Station | Anritsu                    | MT8000A          | SUWI-01-34-02 | 11/20/2025 | 11/19/2026    |
| 9                                            | Wideband Radio Communication Tester       | Anritsu                    | MT8821C          | SUWI-01-26-03 | 11/20/2025 | 11/19/2026    |
| 10                                           | Power meter                               | Anritsu                    | ML2495A          | SUWI-01-31-01 | 11/20/2025 | 11/19/2026    |
| 11                                           | Temperature and humidity meter            | MingGao                    | TH101B           | SUWI-01-01-07 | 2/11/2026  | 2/10/2027     |
| 12                                           | Temperature Chamber                       | GIANT FORCE                | ICT-017-40-SP-SD | SUWI-01-13-02 | 4/28/2026  | 4/27/2027     |
| 13                                           | Measurement Software                      | TST                        | TST 272 V2.02    | SUWI-03-55-03 | NCR        | NCR           |
| 14                                           | RF Control unit                           | TST                        | TSCB3023R2       | SUWI-02-20-01 | NCR        | NCR           |
| 15                                           | RFCables                                  | Tonscend                   | NA               | SUWI-01-03-01 | NCR        | NCR           |
| <b>RF Radiated Test</b>                      |                                           |                            |                  |               |            |               |
| 1                                            | Semi-Anechoic Chamber                     | Brilliant-emc              | N/A              | SUWI-04-02-01 | 6/9/2026   | 6/8/2029      |
| 2                                            | Signal Analyzer                           | ROHDE&SCHWARZ              | FSW43            | SUWI-01-02-04 | 1/14/2026  | 1/13/2027     |
| 3                                            | Signal Analyzer                           | KEYSIGHT                   | N9020A           | SUWI-01-02-07 | 11/20/2025 | 11/19/2026    |
| 4                                            | Test receiver                             | ROHDE&SCHWARZ              | ESR7             | SUWI-01-10-01 | 1/14/2026  | 1/13/2027     |
| 5                                            | Signal Generator                          | ROHDE&SCHWARZ              | SMW100A          | SUWI-01-18-01 | 1/14/2026  | 1/13/2027     |
| 6                                            | Receiving antenna                         | SCHWRZBECK MESS-ELEKTRONIK | VULB 9168        | SUWI-01-11-04 | 11/29/2025 | 11/28/2027    |
| 7                                            | Receiving antenna                         | SCHWRZBECK MESS-ELEKTRONIK | BBHA 9120D       | SUWI-01-11-02 | 5/7/2025   | 5/6/2027      |



Report No.: SUCR260800072902

Page: 9 of 270

|    |                                           |                               |                    |               |            |            |
|----|-------------------------------------------|-------------------------------|--------------------|---------------|------------|------------|
| 8  | Receiving antenna                         | SCHWRZBECK<br>MESS-ELEKTRONIK | BBHA 9170          | SUWI-01-11-03 | 5/7/2025   | 5/6/2027   |
| 9  | Active Loop Antenna                       | SCHWRZBECK<br>MESS-ELEKTRONIK | FMZB 1519B         | SUWI-01-21-01 | 5/7/2025   | 5/6/2027   |
| 10 | Amplifier                                 | Tonscend                      | TAP9K3G40          | SUWI-01-14-01 | 1/14/2026  | 1/13/2027  |
| 11 | Amplifier                                 | Tonscend                      | TAP01018050        | SUWI-01-14-02 | 1/14/2026  | 1/13/2027  |
| 12 | Amplifier                                 | Tonscend                      | TAP18040048        | SUWI-01-14-03 | 1/14/2026  | 1/13/2027  |
| 13 | Wideband Radio<br>Communication<br>Tester | Anritsu                       | MT8820C            | SUWI-01-26-01 | 7/29/2026  | 7/28/2027  |
| 14 | Wideband Radio<br>Communication<br>Tester | Anritsu                       | MT8821C            | SUWI-01-26-03 | 11/20/2025 | 11/19/2026 |
| 15 | Wideband Radio<br>Communication<br>Tester | ROHDE&SCHWARZ                 | CMW500             | SUWI-01-16-09 | 7/29/2026  | 7/28/2027  |
| 16 | Radio<br>Communication<br>Analyzer        | StarPoint                     | SP9500E            | SUWI-01-28-06 | 11/21/2025 | 11/20/2026 |
| 17 | Signal Generator                          | ROHDE&SCHWARZ                 | SMB100A            | SUWI-01-08-01 | 1/14/2026  | 1/13/2027  |
| 18 | Temperature and<br>humidity meter         | MingGao                       | TH101B             | SUWI-01-01-05 | 2/11/2026  | 2/10/2027  |
| 19 | Measurement<br>Software                   | Tonscend                      | JS32-RE<br>4.0.0.0 | SUWI-02-09-06 | NCR        | NCR        |
| 20 | RF Control unit                           | Tonscend                      | JS0806-1           | SUWI-02-20-01 | NCR        | NCR        |
| 21 | RF Cables                                 | Tonscend                      | NA                 | SUWI-01-03-02 | NCR        | NCR        |

## 6 Radio Spectrum Technical Requirement

### 6.1 Antenna Requirement

#### 6.1.1 Test Requirement:

47 CFR Part 15, Subpart C 15.203

#### 6.1.2 Conclusion

Standard Requirement:

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

EUT Antenna:

The antenna is FPC antenna and no consideration of replacement. The best case gain of the Ant 1: 5.26dBi. Ant 2: 5.26dBi.

Antenna location: Refer to Internal photo.



## 6.2 Transmission in the Absence of Data

### 6.2.1 Test Requirement:

47 CFR Part 15, Subpart E 15.407 (c)

### 6.2.2 Conclusion

Standard Requirement:

The device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure. These provisions are not intended to preclude the transmission of control or signalling information or the use of repetitive codes used by certain digital technologies to complete frame or burst intervals.

Applicants shall include in their application for equipment authorization a description of how this requirement is met.

EUT Details:

WIFI chip support automatically discontinue transmission in case of either absence of information to transmit or operational failure, if the chip detect absence of information to transmit or operational failure, it will be automatically shut off.

## 7 Radio Spectrum Matter Test Results

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

Test Requirement 47 CFR Part 15, Subpart C 15.207 & Subpart E 15.407 b(9)

Test Method: ANSI C63.10-2020+Cor.1-2023 Section 6.2

Limit:

| Frequency of emission(MHz) | Conducted limit(dB $\mu$ V) |           |
|----------------------------|-----------------------------|-----------|
|                            | 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.

#### 7.1.1 E.U.T. Operation

Operating Environment:

Temperature: 23 °C

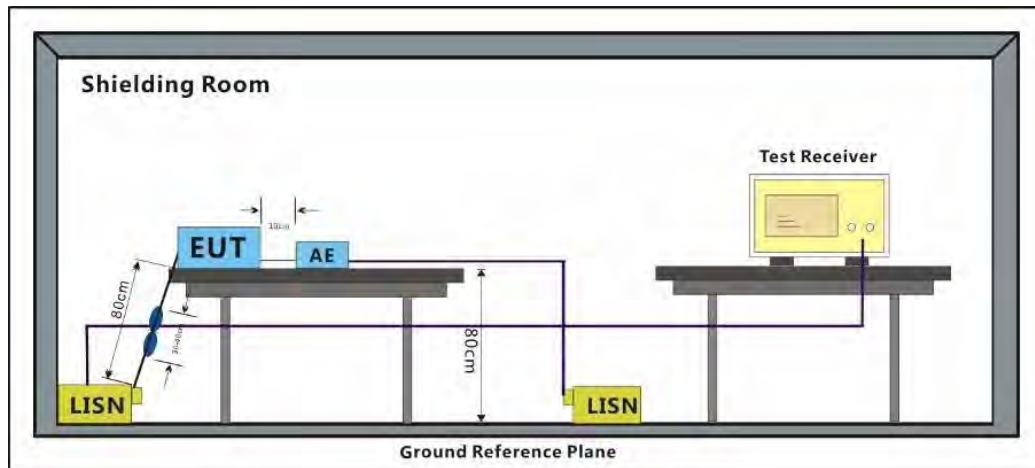
Humidity: 44 % RH

Atmospheric Pressure: 1001 mbar

#### 7.1.2 Test Mode Description

| Pre-scan / Final test | Mode Code | Description                                                                                                                                                                                                                                                                                                                                       |
|-----------------------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Final test            | 00        | TX mode (U-NII-1) Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report. |

#### 7.1.3 Test Setup Diagram



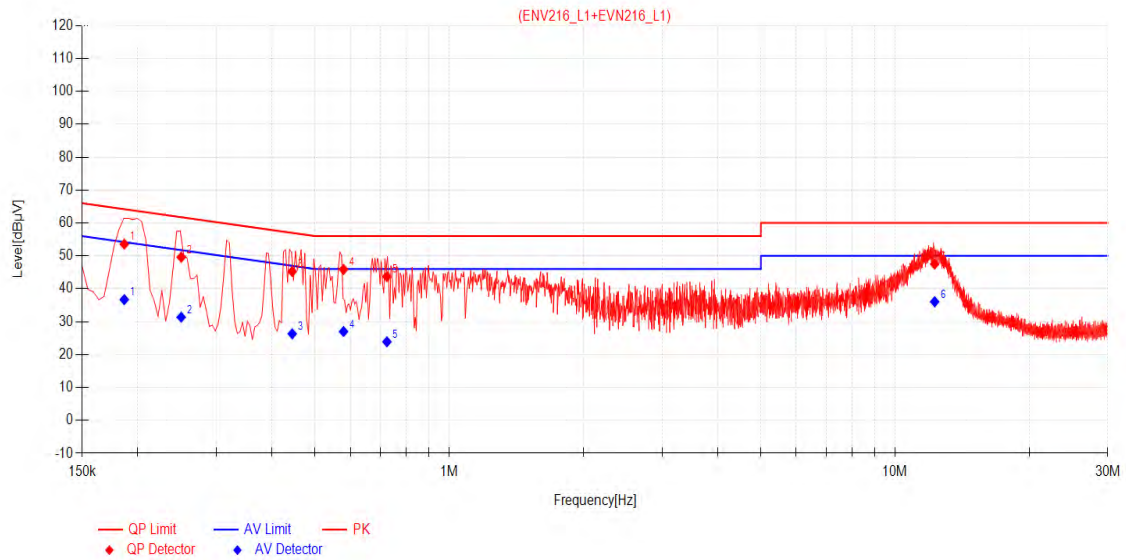
#### 7.1.4 Measurement Procedure and Data

- 1) The mains terminal disturbance voltage test was conducted in a shielded room.
- 2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a 50ohm/50μH + 5ohm linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded.
- 3) The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane,
- 4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2.
- 5) In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10 on conducted measurement.

Remark 1: Level=Read Level+ Cable Loss+ LISN Factor

Remark 2: Pre-test AC 120V/50-60Hz&AC 240V/50-60Hz then choose the AC 120/60Hz as worst case.

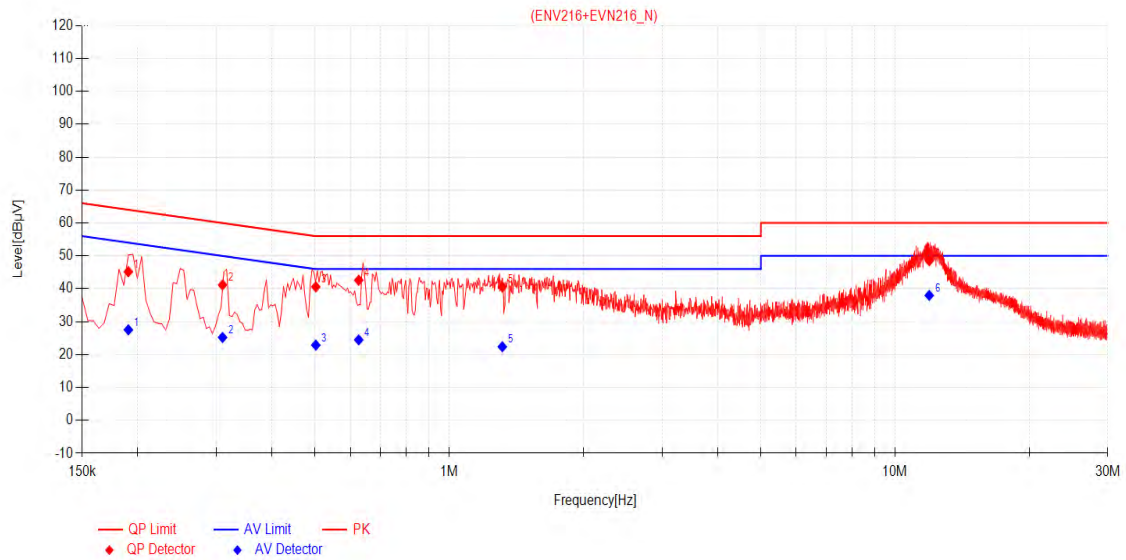
Test Mode: 00; Line: Live line



## Final Data List

| NO. | Frequency [MHz] | Factor [dB] | QP Reading [dBμV] | QP Value [dBμV] | QP Limit [dBμV] | QP Margin [dB] | AV Reading [dBμV] | AV Value [dBμV] | AV Limit [dBμV] | AV Margin [dB] | Verdict |
|-----|-----------------|-------------|-------------------|-----------------|-----------------|----------------|-------------------|-----------------|-----------------|----------------|---------|
| 1   | 0.1865          | 9.96        | 43.60             | 53.56           | 64.19           | 10.63          | 26.74             | 36.70           | 54.19           | 17.49          | PASS    |
| 2   | 0.2503          | 9.97        | 39.63             | 49.60           | 61.75           | 12.15          | 21.39             | 31.36           | 51.75           | 20.39          | PASS    |
| 3   | 0.4442          | 9.95        | 35.30             | 45.25           | 56.98           | 11.73          | 16.36             | 26.31           | 46.98           | 20.67          | PASS    |
| 4   | 0.5790          | 9.94        | 35.94             | 45.88           | 56.00           | 10.12          | 17.06             | 27.00           | 46.00           | 19.00          | PASS    |
| 5   | 0.7246          | 9.95        | 33.75             | 43.70           | 56.00           | 12.30          | 13.93             | 23.88           | 46.00           | 22.12          | PASS    |
| 6   | 12.2716         | 10.41       | 37.11             | 47.52           | 60.00           | 12.48          | 25.65             | 36.06           | 50.00           | 13.94          | PASS    |

Test Mode: 00; Line: Neutral Line



## Final Data List

| NO. | Frequency [MHz] | Factor [dB] | QP Reading [dBμV] | QP Value [dBμV] | QP Limit [dBμV] | QP Margin [dB] | AV Reading [dBμV] | AV Value [dBμV] | AV Limit [dBμV] | AV Margin [dB] | Verdict |
|-----|-----------------|-------------|-------------------|-----------------|-----------------|----------------|-------------------|-----------------|-----------------|----------------|---------|
| 1   | 0.1905          | 9.97        | 35.23             | 45.20           | 64.02           | 18.82          | 17.57             | 27.54           | 54.02           | 26.48          | PASS    |
| 2   | 0.3099          | 9.97        | 31.21             | 41.18           | 59.97           | 18.79          | 15.23             | 25.20           | 49.97           | 24.77          | PASS    |
| 3   | 0.5017          | 9.91        | 30.68             | 40.59           | 56.00           | 15.41          | 12.97             | 22.88           | 46.00           | 23.12          | PASS    |
| 4   | 0.6262          | 9.91        | 32.68             | 42.59           | 56.00           | 13.41          | 14.58             | 24.49           | 46.00           | 21.51          | PASS    |
| 5   | 1.3149          | 9.91        | 30.66             | 40.57           | 56.00           | 15.43          | 12.48             | 22.39           | 46.00           | 23.61          | PASS    |
| 6   | 11.9331         | 10.56       | 37.96             | 48.52           | 60.00           | 11.48          | 27.43             | 37.99           | 50.00           | 12.01          | PASS    |

## 7.2 Radiated Emissions (Below 1GHz)

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

Test Method: ANSI C63.10-2020+Cor.1-2023 Section 6.4,6.5

Measurement Distance: 3m

Limit:

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

Note

1. The above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz. Radiated emission limits in these two bands are based on measurements employing an average detector.

2. At frequencies below 1GHz, measurements may be performed at a distance different to specified in the regulations.

Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor+ Aux Factor (if applicable)

The aux factor needs to be added when measurements are performed at a distance other than the limit distance provided.

EX. Below 30MHz, Aux Factor = 40 dB/decade of distance, the aux factor is  $40\log(3/300) = -80\text{dB}$  (for 3m test distance).

EX. Above 30MHz, Aux Factor = 20 dB/decade of distance, the aux factor is  $20\log(10/3) = 10.46\text{dB}$  (for 10m test distance).

### 7.2.1 E.U.T. Operation

Operating Environment:

Temperature: 23 °C

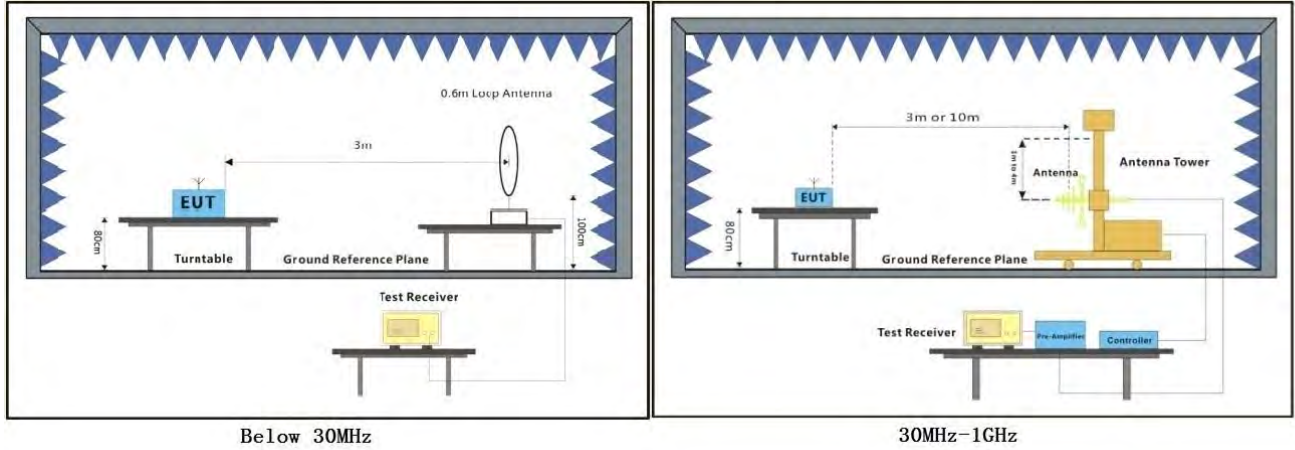
Humidity: 47 % RH

Atmospheric Pressure: 1001 mbar

### 7.2.2 Test Mode Description

| Pre-scan / Final test | Mode Code | Description                                                                                                                                                                                                                                                                                                                                       |
|-----------------------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Final test            | 00        | TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report. |

### 7.2.3 Test Setup Diagram



#### 7.2.4 Measurement Procedure and Data

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

Remark:

1. At frequencies below 1GHz, measurements may be performed at a distance different to specified in the regulations.

Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor+ Aux Factor (if applicable)

The aux factor needs to be added when measurements are performed at a distance other than the limit distance provided.

EX. Below 30MHz, Aux Factor = 40 dB/decade of distance, the aux factor is  $40\log(3/300) = -80\text{dB}$  (for 3m test distance).

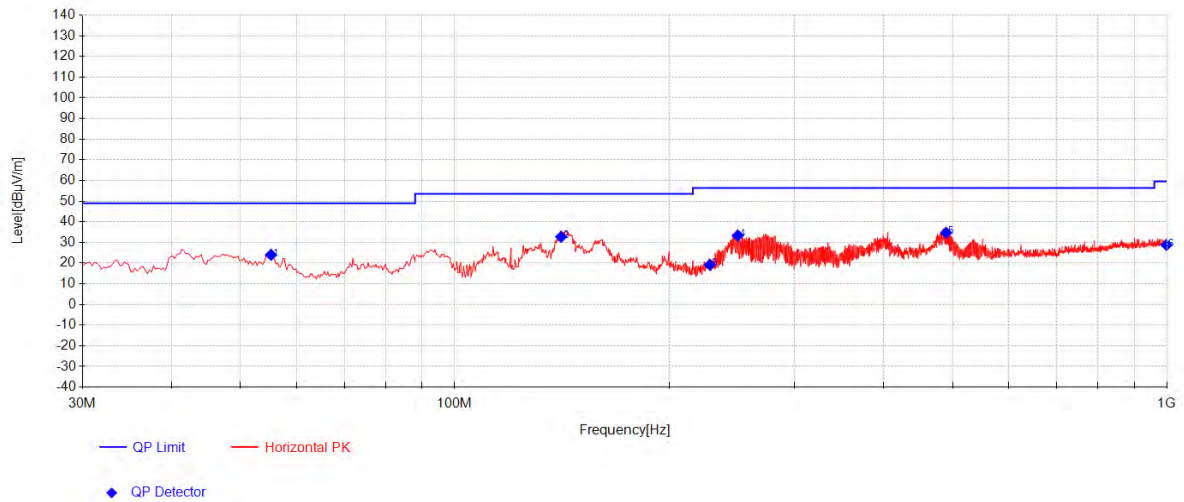
EX. Above 30MHz, Aux Factor = 20 dB/decade of distance, the aux factor is  $20\log(10/3) = 10.46\text{dB}$  (for 10m test distance).

2. Scan from 9kHz to 30MHz, the disturbance below 30MHz was very low. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.

3. The disturbance below 1GHz was very low and the harmonics were the highest point could be found when testing, so only the worst-case test curve is displayed.

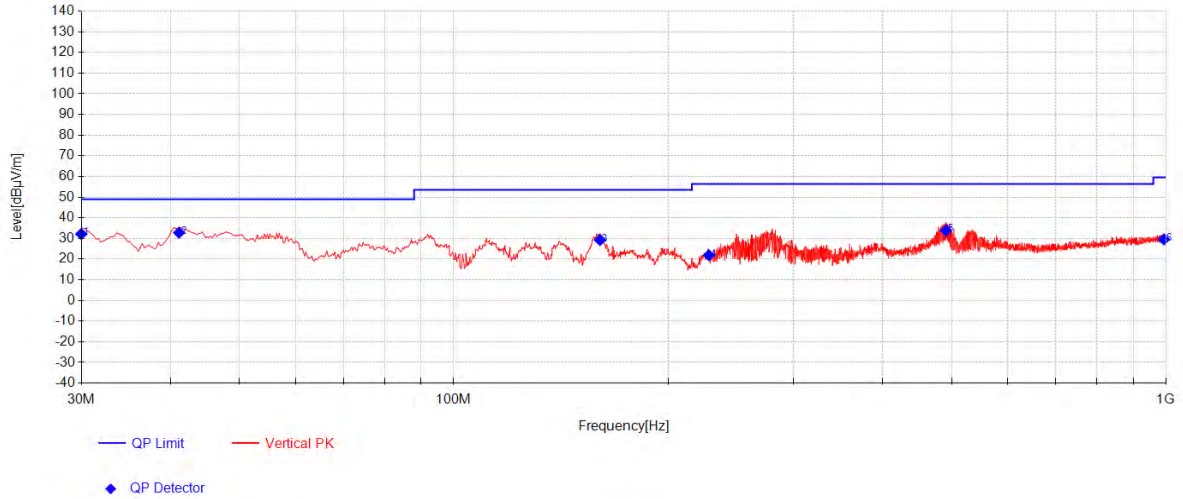
4. Both SISO and MIMO modes were assessed during testing. Only the worst-case test results obtained in MIMO mode are recorded in this report.

Test Mode: 00; Polarity: Horizontal



| Final Data List |                 |                |           |             |                   |                   |                |            |
|-----------------|-----------------|----------------|-----------|-------------|-------------------|-------------------|----------------|------------|
| NO.             | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | QP Value [dBμV/m] | QP Limit [dBμV/m] | QP Margin [dB] | Polarity   |
| 1               | 55.22           | 37.52          | 20.07     | -33.62      | 23.97             | 49.00             | 25.03          | Horizontal |
| 2               | 141.065         | 46.03          | 19.45     | -32.76      | 32.72             | 53.50             | 20.78          | Horizontal |
| 3               | 228.1225        | 35.54          | 15.72     | -32.11      | 19.16             | 56.40             | 37.24          | Horizontal |
| 4               | 249.705         | 47.30          | 18.01     | -31.97      | 33.34             | 56.40             | 23.06          | Horizontal |
| 5               | 489.78          | 41.26          | 24.06     | -30.64      | 34.68             | 56.40             | 21.72          | Horizontal |
| 6               | 998.545         | 27.19          | 29.40     | -27.82      | 28.77             | 59.50             | 30.73          | Horizontal |

Test Mode: 00; Polarity: Vertical



| Final Data List |                 |                |           |             |                   |                   |                |          |
|-----------------|-----------------|----------------|-----------|-------------|-------------------|-------------------|----------------|----------|
| NO.             | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | QP Value [dBμV/m] | QP Limit [dBμV/m] | QP Margin [dB] | Polarity |
| 1               | 30              | 48.76          | 17.40     | -34.03      | 32.13             | 49.00             | 16.87          | Vertical |
| 2               | 41.155          | 47.15          | 19.50     | -33.84      | 32.81             | 49.00             | 16.19          | Vertical |
| 3               | 160.465         | 42.01          | 19.77     | -32.55      | 29.24             | 53.50             | 24.26          | Vertical |
| 4               | 228.1225        | 38.27          | 15.72     | -32.11      | 21.89             | 56.40             | 34.51          | Vertical |
| 5               | 490.9925        | 40.51          | 23.95     | -30.63      | 33.83             | 56.40             | 22.57          | Vertical |
| 6               | 993.695         | 27.31          | 30.08     | -27.87      | 29.52             | 59.50             | 29.98          | Vertical |

### 7.3 Radiated Emissions (Above 1GHz)

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

Test Method: ANSI C63.10-2020+Cor.1-2023 Section 6.6 & 12.7

Measurement Distance: 3m

Limit:

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

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

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

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

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

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

Remark:

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

2. Above 18GHz, measurements may be performed at a distance shorter than that specified in the regulations

Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor+ Aux Factor (if applicable)

The aux factor needs to be added when measurements are performed at a distance other than the limit distance provided.

EX. Above 18GHz, Aux Factor = 20 dB/decade of distance, the aux factor is  $20\log(1/3) = -9.54\text{dB}$  (for 1m test distance).

#### 7.3.1 E.U.T. Operation

Operating Environment:

Temperature: 23 °C

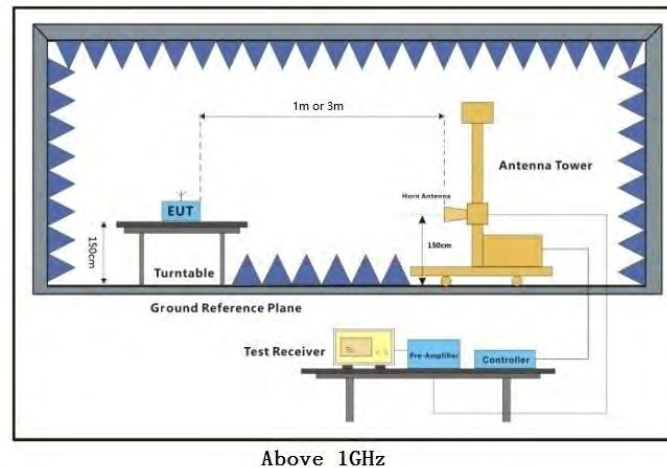
Humidity: 47 % RH

Atmospheric Pressure: 1001 mbar

### 7.3.2 Test Mode Description

| Pre-scan /<br>Final test | Mode<br>Code | Description                                                                                                                                                                                                                                                                                                                                       |
|--------------------------|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Final test               | 00           | TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report. |
| Final test               | 01           | TX mode (U-NII-3)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report. |

### 7.3.3 Test Setup Diagram



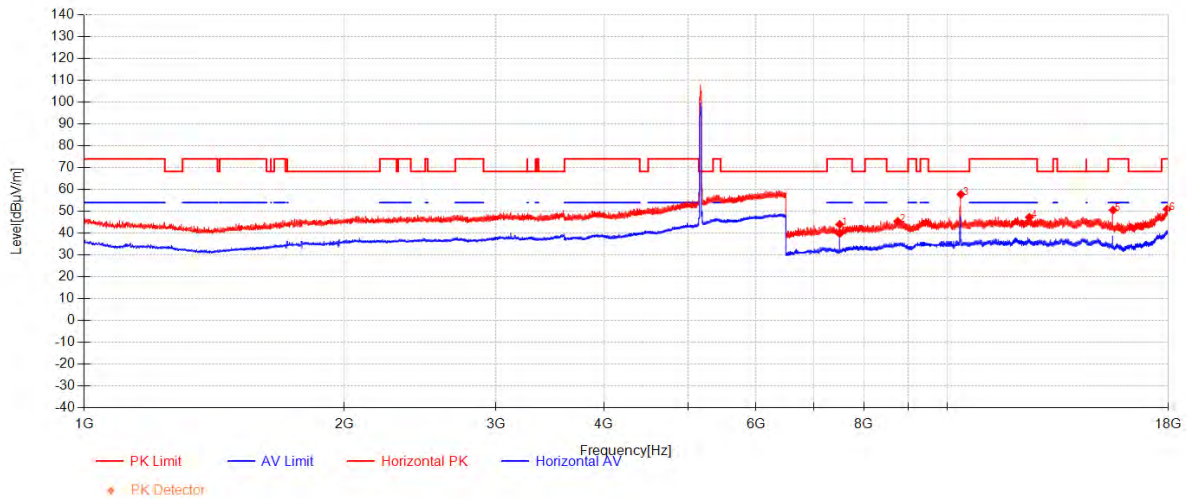
### 7.3.4 Measurement Procedure and Data

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

Remark:

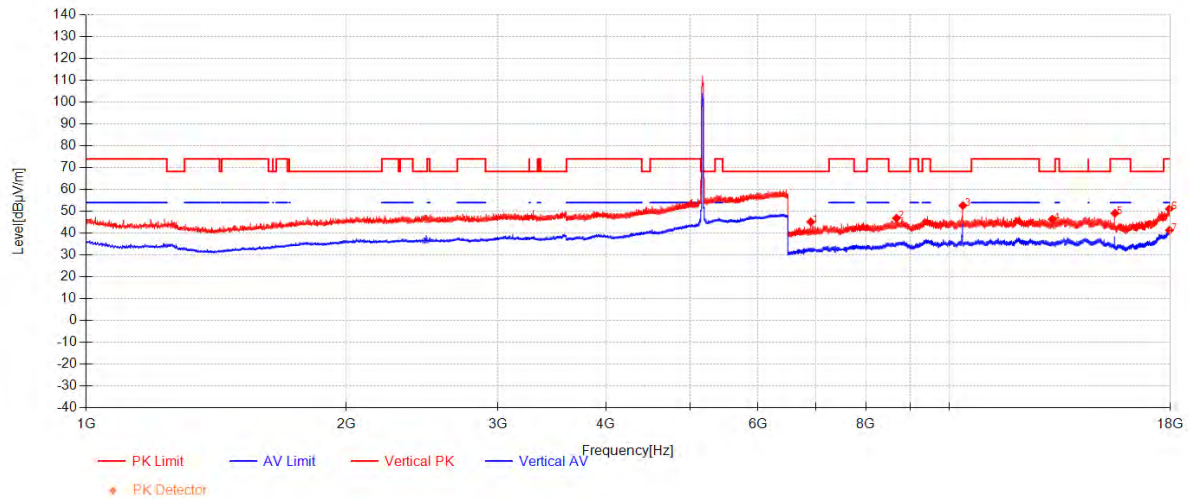
1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
2. Scan from 1GHz to 40GHz, The points marked on below plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.
3. As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.
4. The disturbance above 18GHz were very low and the below harmonics were the highest point could be found when testing, so only the below harmonics had been displayed.
5. For devices with multiple operating modes, measurements on the middle channel is used to determine the worst-case mode(s). Only the worst case mode with the highest output power and the mode with the highest output power spectral density for each modulation family (e.g., OFDM and direct sequence spread spectrum) is recorded in the test report.
6. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 3MHz for Peak detection (PK) and Average detection (AV) at frequency above 1GHz.
7. For fundamental and harmonic signal measurement, the resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is  $\geq 1/T$  (Duty cycle<98%) or 10Hz (Duty cycle $\geq$ 98%) for Average detection (AV) at frequency above 1GHz.
8. Both SISO and MIMO modes were assessed during testing. Only the worst-case test results obtained in MIMO mode are recorded in this report.

## 11a\_TX\_CH\_36\_Horizontal



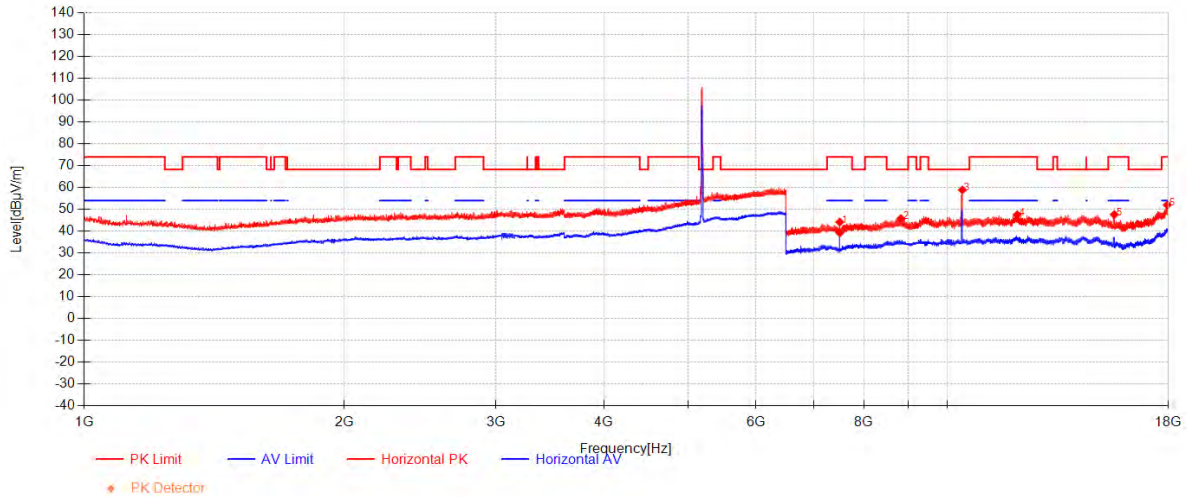
| Data List |                 |                |           |             |                |                |             |            |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|------------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity   |
| 1         | 7499.5417       | 53.69          | 36.40     | -46.11      | 43.98          | 74.00          | 30.02       | Horizontal |
| 2         | 8755.9167       | 52.06          | 37.13     | -43.79      | 45.41          | 68.30          | 22.89       | Horizontal |
| 3         | 10360.6458      | 59.90          | 39.05     | -41.18      | 57.77          | 68.30          | 10.53       | Horizontal |
| 4         | 12435.9167      | 46.63          | 39.14     | -38.49      | 47.28          | 74.00          | 26.72       | Horizontal |
| 5         | 15544.2708      | 49.35          | 39.22     | -38.03      | 50.54          | 74.00          | 23.46       | Horizontal |
| 6         | 17954           | 43.57          | 44.52     | -37.11      | 50.99          | 74.00          | 23.01       | Horizontal |
| 7         | 7500.0208       | 49.53          | 36.40     | -46.11      | 39.82          | 54.00          | 14.18       | Horizontal |

## 11a\_TX\_CH\_36\_Vertical



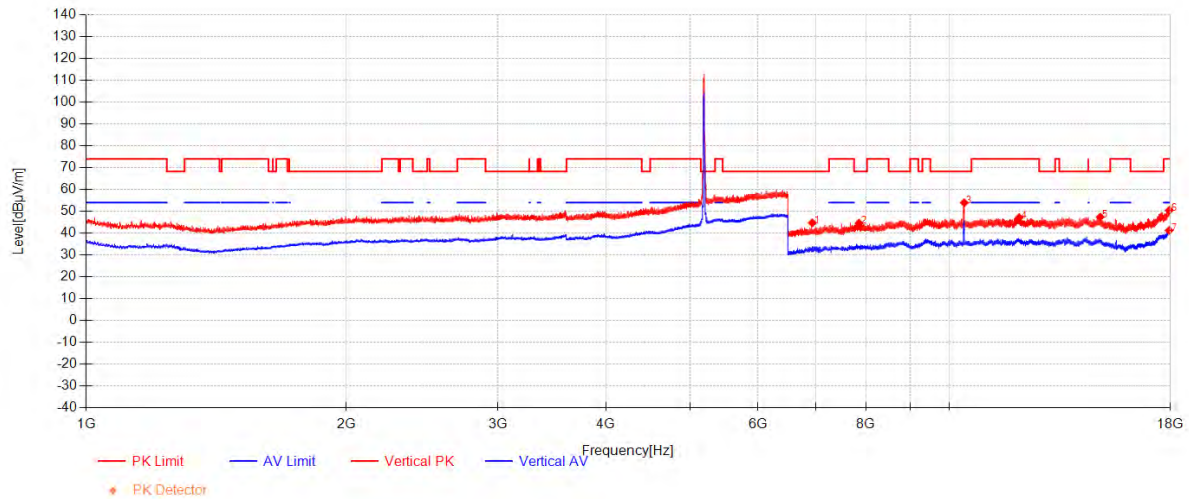
| Data List |                 |                |           |             |                |                |             |          |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|----------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity |
| 1         | 6906.3333       | 55.93          | 35.35     | -46.13      | 45.15          | 68.30          | 23.15       | Vertical |
| 2         | 8677.8125       | 53.62          | 37.05     | -43.79      | 46.88          | 68.30          | 21.42       | Vertical |
| 3         | 10360.1667      | 54.77          | 39.05     | -41.18      | 52.64          | 68.30          | 15.66       | Vertical |
| 4         | 13149.875       | 46.13          | 39.02     | -38.76      | 46.40          | 68.30          | 21.90       | Vertical |
| 5         | 15540.9167      | 47.94          | 39.23     | -38.04      | 49.13          | 74.00          | 24.87       | Vertical |
| 6         | 17971.25        | 43.55          | 44.63     | -37.06      | 51.12          | 74.00          | 22.88       | Vertical |
| 7         | 17970.2917      | 33.78          | 44.62     | -37.06      | 41.34          | 54.00          | 12.66       | Vertical |

## 11a\_TX\_CH\_40\_Horizontal



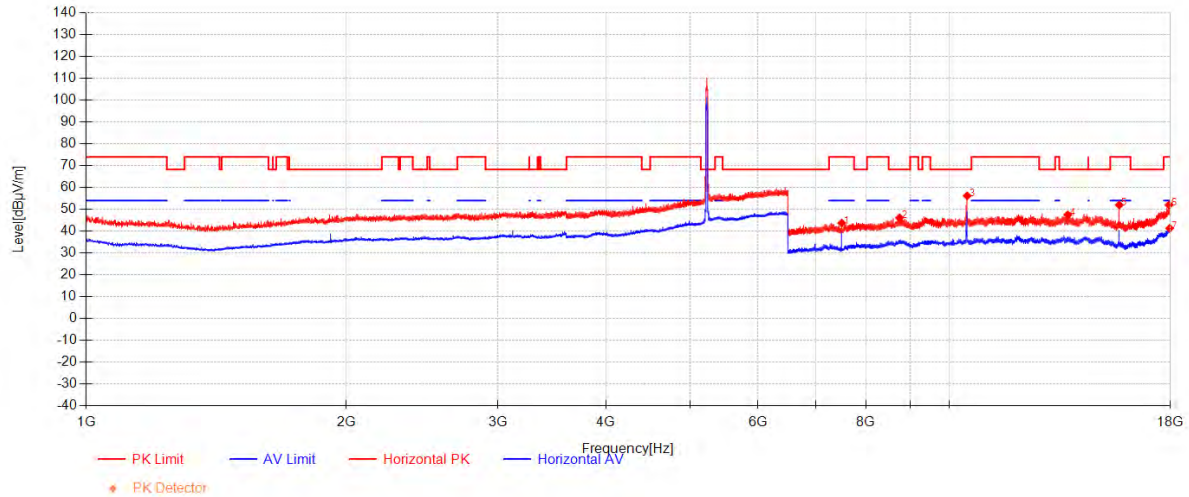
| Data List |                 |                |           |             |                |                |             |            |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|------------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity   |
| 1         | 7499.5417       | 53.87          | 36.40     | -46.11      | 44.16          | 74.00          | 29.84       | Horizontal |
| 2         | 8829.2292       | 52.36          | 37.21     | -43.77      | 45.80          | 68.30          | 22.50       | Horizontal |
| 3         | 10399.9375      | 61.06          | 39.08     | -41.25      | 58.89          | 68.30          | 9.41        | Horizontal |
| 4         | 12038.6875      | 47.03          | 39.38     | -38.88      | 47.52          | 74.00          | 26.48       | Horizontal |
| 5         | 15597.9375      | 46.39          | 39.12     | -37.91      | 47.60          | 74.00          | 26.40       | Horizontal |
| 6         | 17961.1875      | 44.49          | 44.57     | -37.09      | 51.97          | 74.00          | 22.03       | Horizontal |
| 7         | 7500.0208       | 48.92          | 36.40     | -46.11      | 39.21          | 54.00          | 14.79       | Horizontal |

## 11a\_TX\_CH\_40\_Vertical



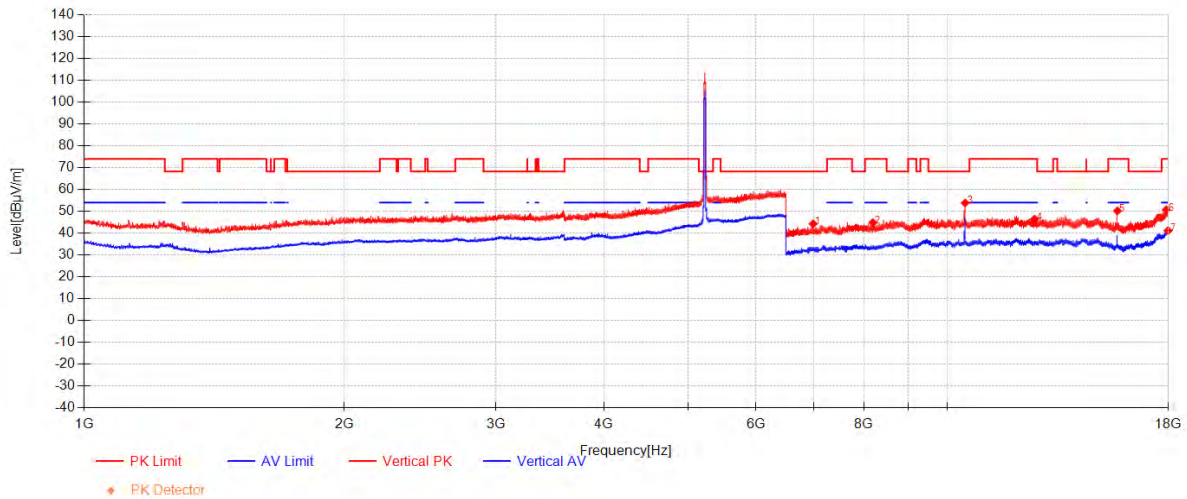
| Data List |                 |                |           |             |                |                |             |          |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|----------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity |
| 1         | 6933.1667       | 55.37          | 35.39     | -46.06      | 44.70          | 68.30          | 23.60       | Vertical |
| 2         | 7853.1667       | 53.16          | 36.33     | -44.94      | 44.55          | 68.30          | 23.75       | Vertical |
| 3         | 10399.9375      | 56.12          | 39.08     | -41.25      | 53.95          | 68.30          | 14.35       | Vertical |
| 4         | 12037.25        | 46.62          | 39.38     | -38.87      | 47.12          | 74.00          | 26.88       | Vertical |
| 5         | 14941.9583      | 45.38          | 40.21     | -38.19      | 47.40          | 68.30          | 20.90       | Vertical |
| 6         | 17962.1458      | 43.00          | 44.57     | -37.09      | 50.49          | 74.00          | 23.51       | Vertical |
| 7         | 17954           | 33.85          | 44.52     | -37.11      | 41.27          | 54.00          | 12.73       | Vertical |

## 11a\_TX\_CH\_48\_Horizontal



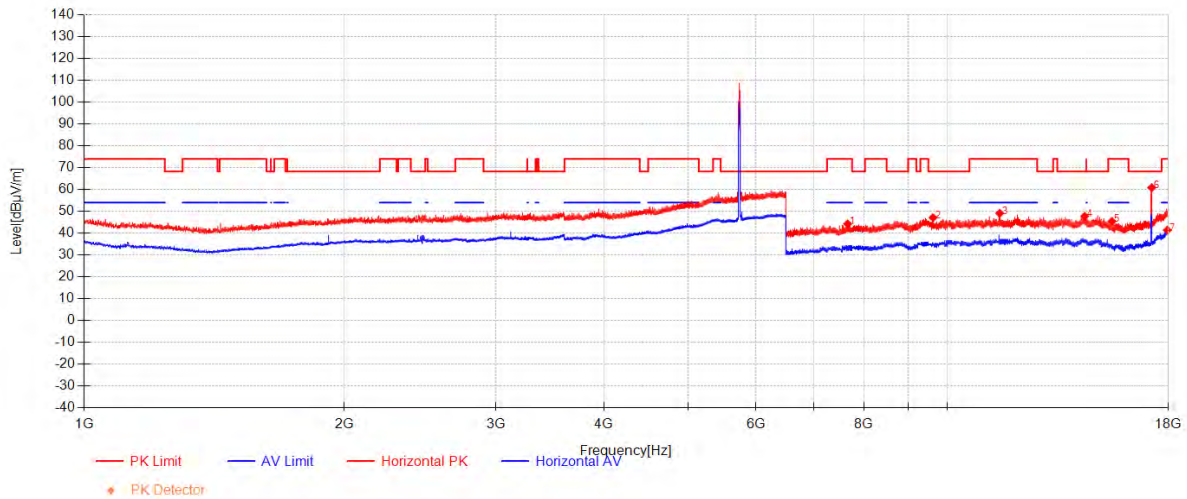
| Data List |                 |                |           |             |                |                |             |            |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|------------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity   |
| 1         | 7499.5417       | 53.46          | 36.40     | -46.11      | 43.75          | 74.00          | 30.25       | Horizontal |
| 2         | 8749.6875       | 52.76          | 37.12     | -43.77      | 46.11          | 68.30          | 22.19       | Horizontal |
| 3         | 10479.9583      | 57.75          | 39.14     | -40.71      | 56.18          | 68.30          | 12.12       | Horizontal |
| 4         | 13703.3125      | 45.60          | 39.85     | -37.97      | 47.49          | 68.30          | 20.81       | Horizontal |
| 5         | 15719.1667      | 51.01          | 38.91     | -37.93      | 51.99          | 74.00          | 22.01       | Horizontal |
| 6         | 17949.6875      | 44.62          | 44.50     | -37.12      | 52.00          | 74.00          | 22.00       | Horizontal |
| 7         | 17980.3542      | 33.65          | 44.68     | -37.04      | 41.30          | 54.00          | 12.70       | Horizontal |

## 11a\_TX\_CH\_48\_Vertical



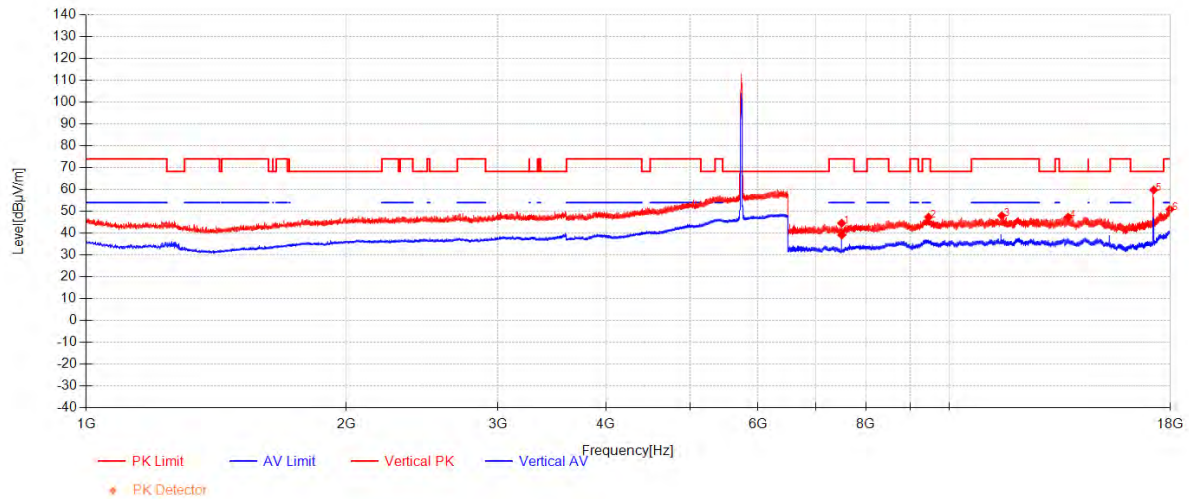
| Data List |                 |                |           |             |                |                |             |          |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|----------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity |
| 1         | 6986.8333       | 54.74          | 35.48     | -45.94      | 44.28          | 68.30          | 24.02       | Vertical |
| 2         | 8193.375        | 52.55          | 36.51     | -44.23      | 44.83          | 74.00          | 29.17       | Vertical |
| 3         | 10479.9583      | 55.40          | 39.14     | -40.71      | 53.83          | 68.30          | 14.47       | Vertical |
| 4         | 12606.0208      | 46.73          | 39.04     | -39.34      | 46.43          | 74.00          | 27.57       | Vertical |
| 5         | 15724.9167      | 49.26          | 38.90     | -37.94      | 50.21          | 74.00          | 23.79       | Vertical |
| 6         | 17914.7083      | 43.62          | 44.29     | -37.22      | 50.69          | 74.00          | 23.31       | Vertical |
| 7         | 18000           | 33.34          | 44.80     | -36.98      | 41.16          | 54.00          | 12.84       | Vertical |

## 11a\_TX\_CH\_149\_Horizontal



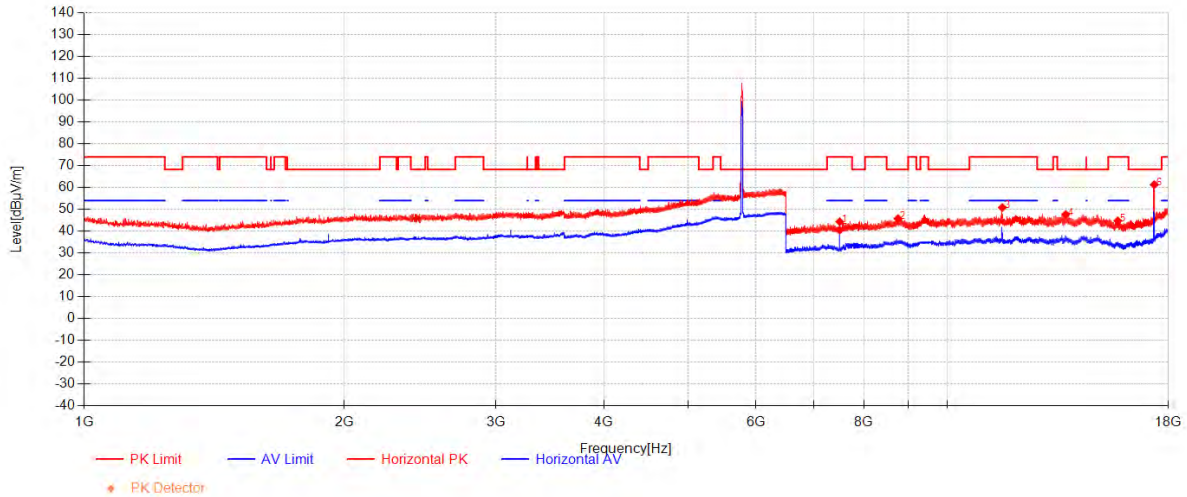
| Data List |                 |                |           |             |                |                |             |            |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|------------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity   |
| 1         | 7659.5833       | 52.94          | 36.37     | -45.03      | 44.27          | 74.00          | 29.73       | Horizontal |
| 2         | 9619.375        | 50.68          | 38.27     | -41.83      | 47.11          | 68.30          | 21.19       | Horizontal |
| 3         | 11489.5625      | 49.70          | 39.45     | -40.05      | 49.10          | 74.00          | 24.90       | Horizontal |
| 4         | 14412           | 46.15          | 40.26     | -38.67      | 47.74          | 68.30          | 20.56       | Horizontal |
| 5         | 15500.1875      | 44.25          | 39.30     | -38.13      | 45.42          | 74.00          | 28.58       | Horizontal |
| 6         | 17232.375       | 57.81          | 40.19     | -37.15      | 60.85          | 68.30          | 7.45        | Horizontal |
| 7         | 17964.0625      | 33.90          | 44.58     | -37.08      | 41.40          | 54.00          | 12.60       | Horizontal |

## 11a\_TX\_CH\_149\_Veritical



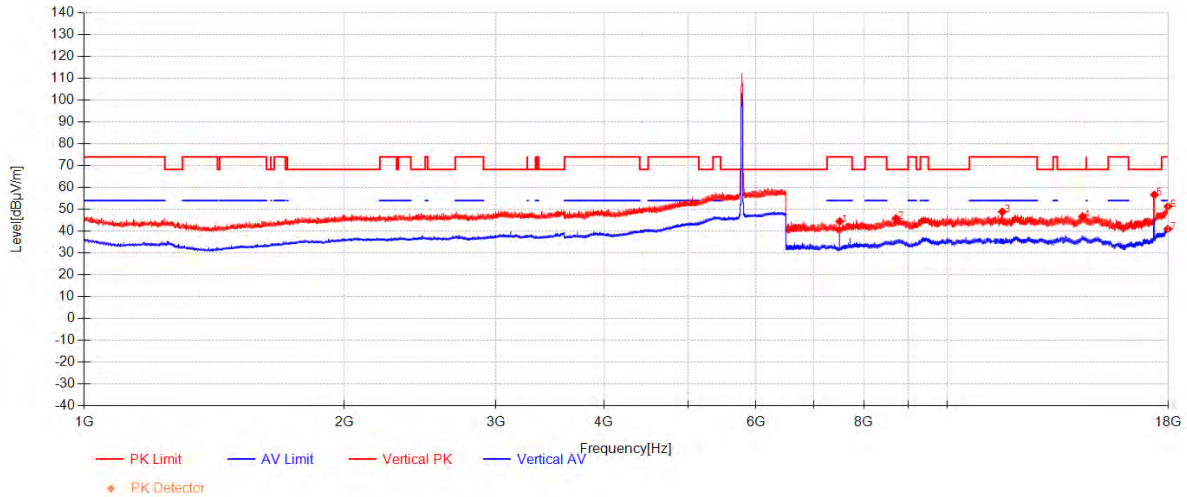
| Data List |                 |                |           |             |                |                |             |          |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|----------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity |
| 1         | 7499.0625       | 54.27          | 36.40     | -46.10      | 44.56          | 74.00          | 29.44       | Vertical |
| 2         | 9453.5833       | 52.07          | 38.04     | -42.72      | 47.38          | 74.00          | 26.62       | Vertical |
| 3         | 11490.5208      | 48.61          | 39.45     | -40.05      | 48.01          | 74.00          | 25.99       | Vertical |
| 4         | 13718.1667      | 45.56          | 39.88     | -38.05      | 47.38          | 68.30          | 20.92       | Vertical |
| 5         | 17232.8542      | 56.78          | 40.20     | -37.15      | 59.83          | 68.30          | 8.47        | Vertical |
| 6         | 17992.8125      | 43.19          | 44.76     | -37.00      | 50.95          | 74.00          | 23.05       | Vertical |
| 7         | 7500.0208       | 48.85          | 36.40     | -46.11      | 39.14          | 54.00          | 14.86       | Vertical |

## 11a\_TX\_CH\_157\_Horizontal



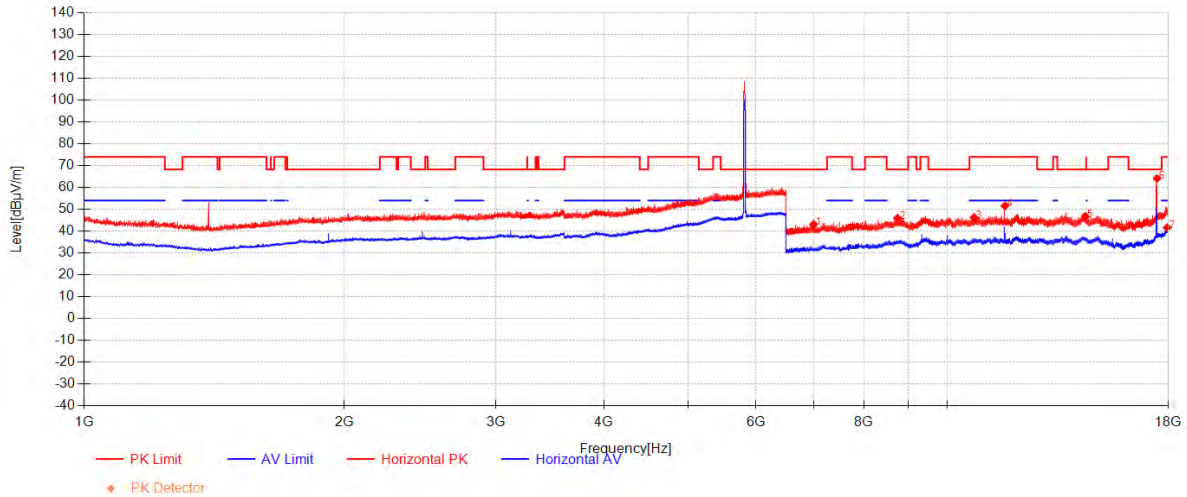
| Data List |                 |                |           |             |                |                |             |            |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|------------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity   |
| 1         | 7499.5417       | 54.04          | 36.40     | -46.11      | 44.33          | 74.00          | 29.67       | Horizontal |
| 2         | 8760.2292       | 52.42          | 37.14     | -43.79      | 45.76          | 68.30          | 22.54       | Horizontal |
| 3         | 11571.0208      | 50.85          | 39.44     | -39.47      | 50.82          | 74.00          | 23.18       | Horizontal |
| 4         | 13700.9167      | 45.72          | 39.85     | -37.96      | 47.62          | 68.30          | 20.68       | Horizontal |
| 5         | 15744.5625      | 43.87          | 38.86     | -38.00      | 44.73          | 74.00          | 29.27       | Horizontal |
| 6         | 17352.1667      | 57.55          | 40.91     | -37.16      | 61.30          | 68.30          | 7.00        | Horizontal |
| 7         | 7500.0208       | 50.21          | 36.40     | -46.11      | 40.50          | 54.00          | 13.50       | Horizontal |

## 11a\_TX\_CH\_157\_Vertical



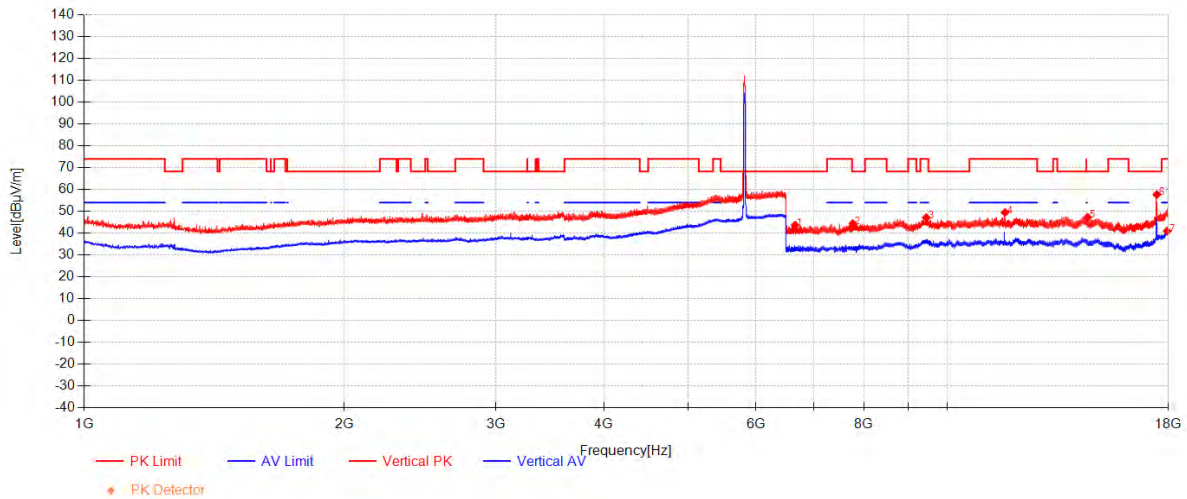
| Data List |                 |                |           |             |                |                |             |          |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|----------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity |
| 1         | 7500.0208       | 54.18          | 36.40     | -46.11      | 44.47          | 74.00          | 29.53       | Vertical |
| 2         | 8712.7917       | 52.48          | 37.08     | -43.71      | 45.85          | 68.30          | 22.45       | Vertical |
| 3         | 11570.5417      | 48.86          | 39.44     | -39.48      | 48.83          | 74.00          | 25.17       | Vertical |
| 4         | 14327.1875      | 45.19          | 40.27     | -38.76      | 46.70          | 68.30          | 21.60       | Vertical |
| 5         | 17359.8333      | 52.87          | 40.96     | -37.17      | 56.66          | 68.30          | 11.64       | Vertical |
| 6         | 17995.6875      | 43.49          | 44.77     | -36.99      | 51.27          | 74.00          | 22.73       | Vertical |
| 7         | 17993.2917      | 33.23          | 44.76     | -37.00      | 40.99          | 54.00          | 13.01       | Vertical |

## 11a\_TX\_CH\_165\_Horizontal



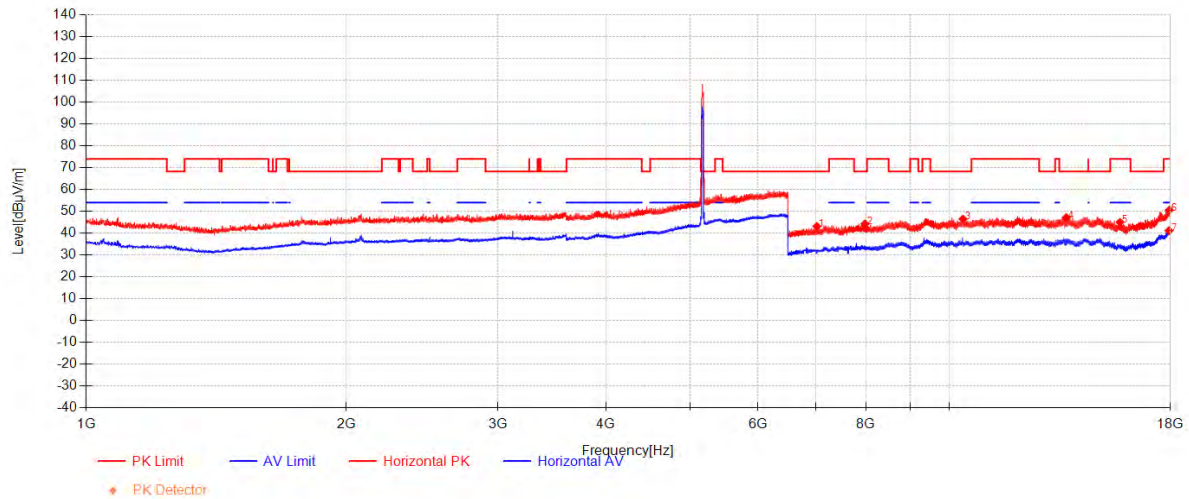
| Data List |                 |                |           |             |                |                |             |            |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|------------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity   |
| 1         | 6994.9792       | 53.57          | 35.49     | -45.92      | 43.14          | 68.30          | 25.16       | Horizontal |
| 2         | 8748.25         | 52.66          | 37.12     | -43.77      | 46.01          | 68.30          | 22.29       | Horizontal |
| 3         | 10732           | 47.67          | 39.31     | -40.69      | 46.29          | 74.00          | 27.71       | Horizontal |
| 4         | 11651.5208      | 51.73          | 39.43     | -39.56      | 51.60          | 74.00          | 22.40       | Horizontal |
| 5         | 14441.7083      | 45.06          | 40.26     | -38.56      | 46.76          | 68.30          | 21.54       | Horizontal |
| 6         | 17479.1458      | 58.85          | 41.67     | -36.35      | 64.18          | 68.30          | 4.12        | Horizontal |
| 7         | 17962.1458      | 34.12          | 44.57     | -37.09      | 41.61          | 54.00          | 12.39       | Horizontal |

### 11a\_TX\_CH\_165\_Vertical



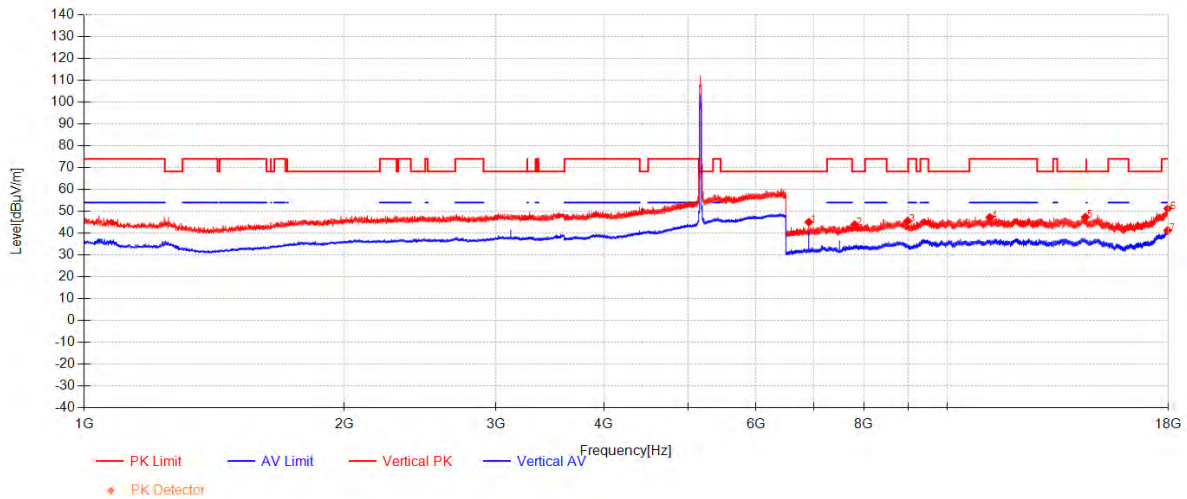
| Data List |                 |                |           |             |                |                |             |          |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|----------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity |
| 1         | 6658.6042       | 55.07          | 34.95     | -46.32      | 43.71          | 68.30          | 24.59       | Vertical |
| 2         | 7766.4375       | 53.00          | 36.35     | -44.98      | 44.37          | 68.30          | 23.93       | Vertical |
| 3         | 9447.3542       | 51.83          | 38.03     | -42.73      | 47.12          | 74.00          | 26.88       | Vertical |
| 4         | 11654.875       | 49.63          | 39.43     | -39.58      | 49.48          | 74.00          | 24.52       | Vertical |
| 5         | 14525.0833      | 45.32          | 40.25     | -38.29      | 47.28          | 68.30          | 21.02       | Vertical |
| 6         | 17473.875       | 52.44          | 41.64     | -36.40      | 57.68          | 68.30          | 10.62       | Vertical |
| 7         | 17964.0625      | 33.50          | 44.58     | -37.08      | 41.00          | 54.00          | 13.00       | Vertical |

## 11ax(HE20)\_TX\_CH\_36\_Horizontal



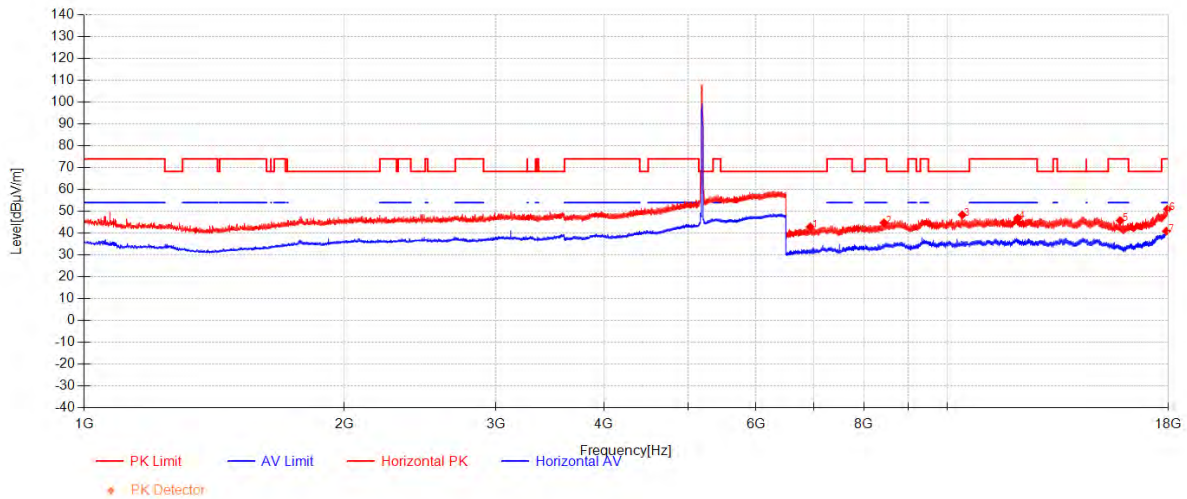
| Data List |                 |                |           |             |                |                |             |            |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|------------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity   |
| 1         | 7018.4583       | 53.53          | 35.53     | -45.95      | 43.12          | 68.30          | 25.18       | Horizontal |
| 2         | 7978.2292       | 52.39          | 36.30     | -44.42      | 44.27          | 68.30          | 24.03       | Horizontal |
| 3         | 10363.0417      | 48.62          | 39.05     | -41.19      | 46.49          | 68.30          | 21.81       | Horizontal |
| 4         | 13648.6875      | 45.54          | 39.77     | -38.12      | 47.19          | 68.30          | 21.11       | Horizontal |
| 5         | 15755.1042      | 44.21          | 38.84     | -38.03      | 45.02          | 74.00          | 28.98       | Horizontal |
| 6         | 17964.0625      | 43.07          | 44.58     | -37.08      | 50.57          | 74.00          | 23.43       | Horizontal |
| 7         | 17951.125       | 33.75          | 44.51     | -37.12      | 41.14          | 54.00          | 12.86       | Horizontal |

## 11ax(HE20)\_TX\_CH\_36\_Vertical



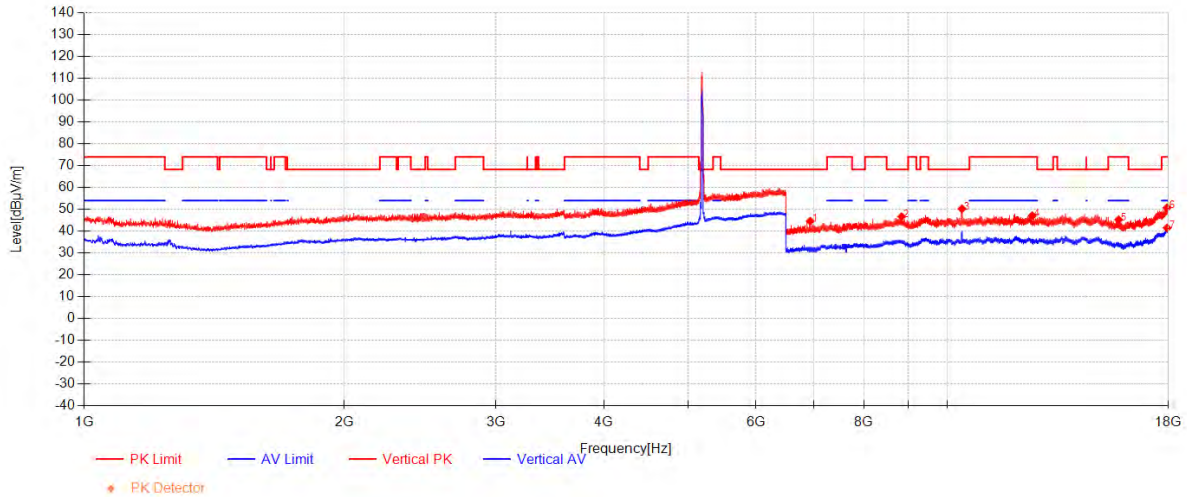
| Data List |                 |                |           |             |                |                |             |          |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|----------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity |
| 1         | 6906.8125       | 55.84          | 35.35     | -46.12      | 45.07          | 68.30          | 23.23       | Vertical |
| 2         | 7805.25         | 52.47          | 36.34     | -44.90      | 43.91          | 68.30          | 24.39       | Vertical |
| 3         | 8990.7083       | 51.75          | 37.39     | -43.62      | 45.52          | 68.30          | 22.78       | Vertical |
| 4         | 11190.0833      | 47.70          | 39.48     | -39.97      | 47.22          | 74.00          | 26.78       | Vertical |
| 5         | 14438.8333      | 45.68          | 40.26     | -38.57      | 47.37          | 68.30          | 20.93       | Vertical |
| 6         | 17992.8125      | 43.46          | 44.76     | -37.00      | 51.22          | 74.00          | 22.78       | Vertical |
| 7         | 17980.8333      | 33.55          | 44.68     | -37.03      | 41.20          | 54.00          | 12.80       | Vertical |

## 11ax(HE20)\_TX\_CH\_40\_Horizontal



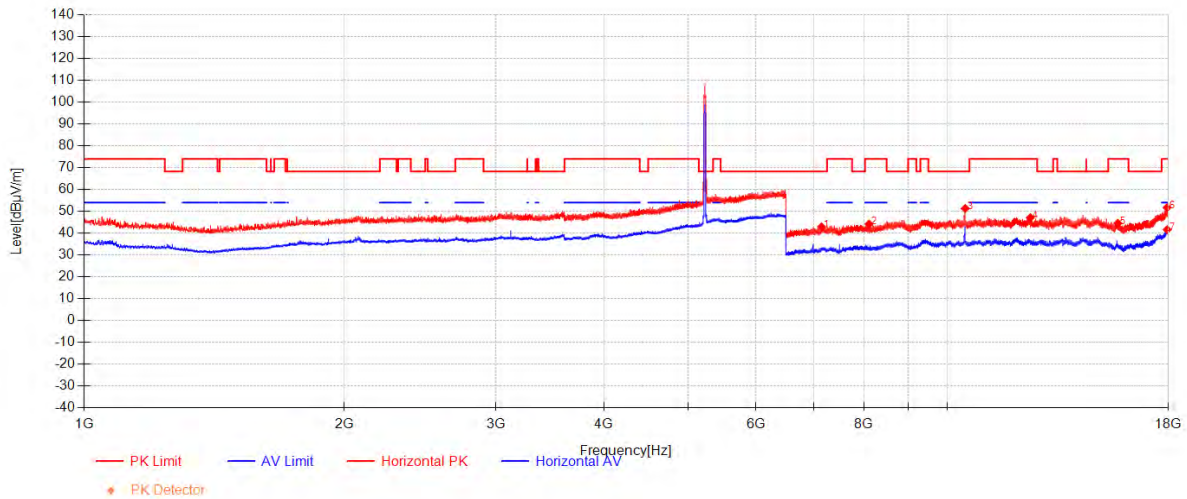
| Data List |                 |                |           |             |                |                |             |            |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|------------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity   |
| 1         | 6933.1667       | 53.60          | 35.39     | -46.06      | 42.93          | 68.30          | 25.37       | Horizontal |
| 2         | 8438.7083       | 52.08          | 36.78     | -44.10      | 44.77          | 74.00          | 29.23       | Horizontal |
| 3         | 10399.4583      | 50.56          | 39.08     | -41.25      | 48.39          | 68.30          | 19.91       | Horizontal |
| 4         | 12056.4167      | 46.54          | 39.37     | -39.03      | 46.87          | 74.00          | 27.13       | Horizontal |
| 5         | 15844.7083      | 45.11          | 38.68     | -38.01      | 45.78          | 74.00          | 28.22       | Horizontal |
| 6         | 17976.5208      | 43.39          | 44.66     | -37.05      | 51.00          | 74.00          | 23.00       | Horizontal |
| 7         | 17920.4583      | 33.85          | 44.32     | -37.20      | 40.97          | 54.00          | 13.03       | Horizontal |

## 11ax(HE20)\_TX\_CH\_40\_Vertical



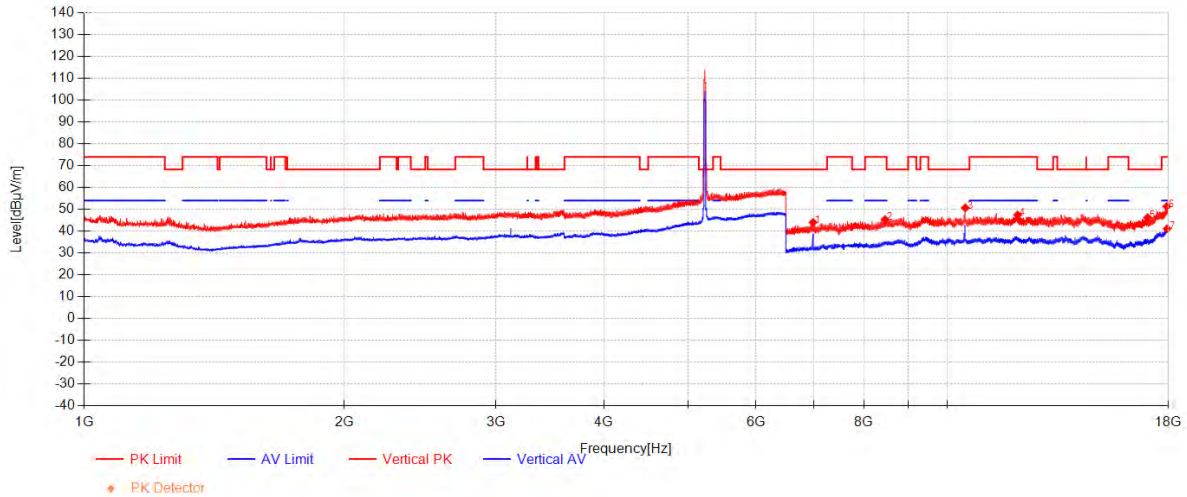
| Data List |                 |                |           |             |                |                |             |          |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|----------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity |
| 1         | 6933.1667       | 55.25          | 35.39     | -46.06      | 44.58          | 68.30          | 23.72       | Vertical |
| 2         | 8846            | 53.15          | 37.23     | -43.72      | 46.66          | 68.30          | 21.64       | Vertical |
| 3         | 10391.7917      | 52.41          | 39.07     | -41.24      | 50.25          | 68.30          | 18.05       | Vertical |
| 4         | 12533.6667      | 46.99          | 39.08     | -39.00      | 47.07          | 74.00          | 26.93       | Vertical |
| 5         | 15780.0208      | 44.54          | 38.80     | -38.10      | 45.23          | 74.00          | 28.77       | Vertical |
| 6         | 17951.6042      | 43.32          | 44.51     | -37.12      | 50.71          | 74.00          | 23.29       | Vertical |
| 7         | 17958.3125      | 34.03          | 44.55     | -37.10      | 41.48          | 54.00          | 12.52       | Vertical |

## 11ax(HE20)\_TX\_CH\_48\_Horizontal



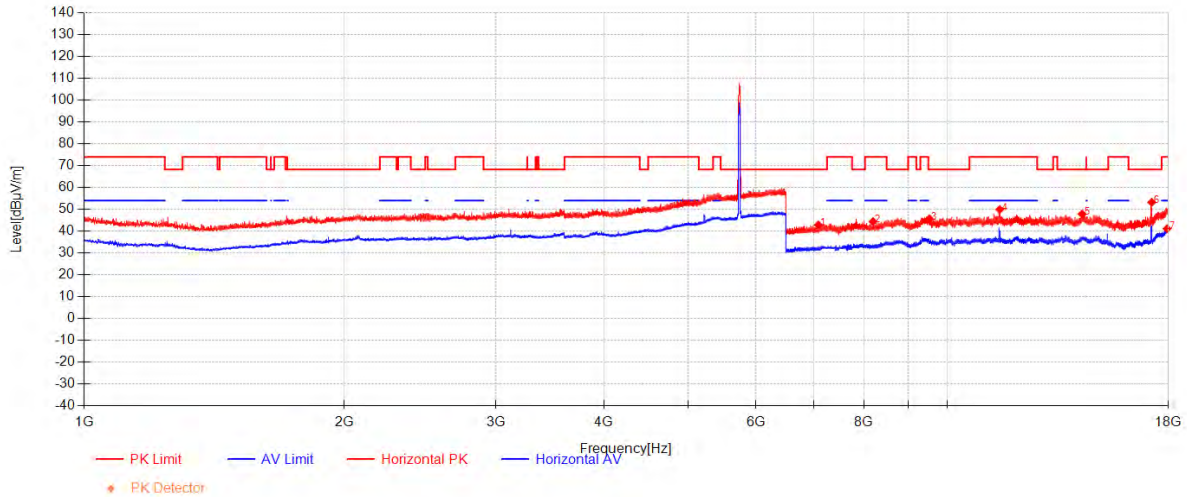
| Data List |                 |                |           |             |                |                |             |            |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|------------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity   |
| 1         | 7144            | 52.95          | 35.76     | -45.82      | 42.89          | 68.30          | 25.41       | Horizontal |
| 2         | 8109.5208       | 52.20          | 36.42     | -44.41      | 44.21          | 74.00          | 29.79       | Horizontal |
| 3         | 10480.9167      | 52.85          | 39.14     | -40.70      | 51.29          | 68.30          | 17.01       | Horizontal |
| 4         | 12468.9792      | 46.65          | 39.12     | -38.65      | 47.11          | 74.00          | 26.89       | Horizontal |
| 5         | 15744.0833      | 43.67          | 38.86     | -38.00      | 44.53          | 74.00          | 29.47       | Horizontal |
| 6         | 17953.0417      | 44.28          | 44.52     | -37.11      | 51.69          | 74.00          | 22.31       | Horizontal |
| 7         | 17959.75        | 34.12          | 44.56     | -37.09      | 41.59          | 54.00          | 12.41       | Horizontal |

## 11ax(HE20)\_TX\_CH\_48\_Vertical



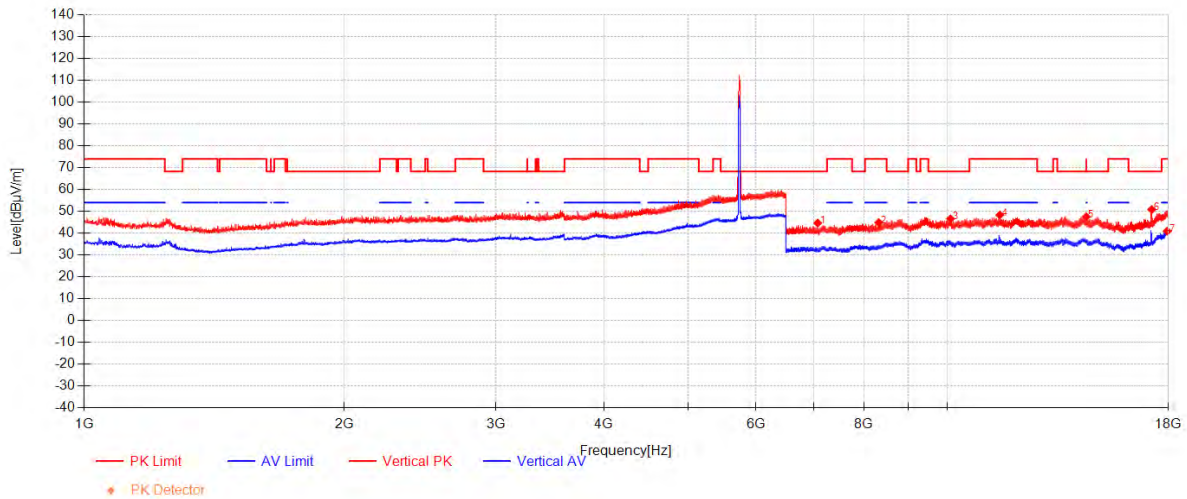
| Data List |                 |                |           |             |                |                |             |          |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|----------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity |
| 1         | 6986.3542       | 54.46          | 35.48     | -45.94      | 44.00          | 68.30          | 24.30       | Vertical |
| 2         | 8463.1458       | 52.44          | 36.81     | -43.93      | 45.32          | 74.00          | 28.68       | Vertical |
| 3         | 10481.875       | 52.26          | 39.14     | -40.69      | 50.70          | 68.30          | 17.60       | Vertical |
| 4         | 12054.5         | 47.10          | 39.37     | -39.02      | 47.45          | 74.00          | 26.55       | Vertical |
| 5         | 17046.9375      | 44.33          | 39.08     | -37.21      | 46.21          | 68.30          | 22.09       | Vertical |
| 6         | 17938.1875      | 44.03          | 44.43     | -37.15      | 51.31          | 74.00          | 22.69       | Vertical |
| 7         | 17959.75        | 33.68          | 44.56     | -37.09      | 41.15          | 54.00          | 12.85       | Vertical |

## 11ax(HE20)\_TX\_CH\_149\_Horizontal



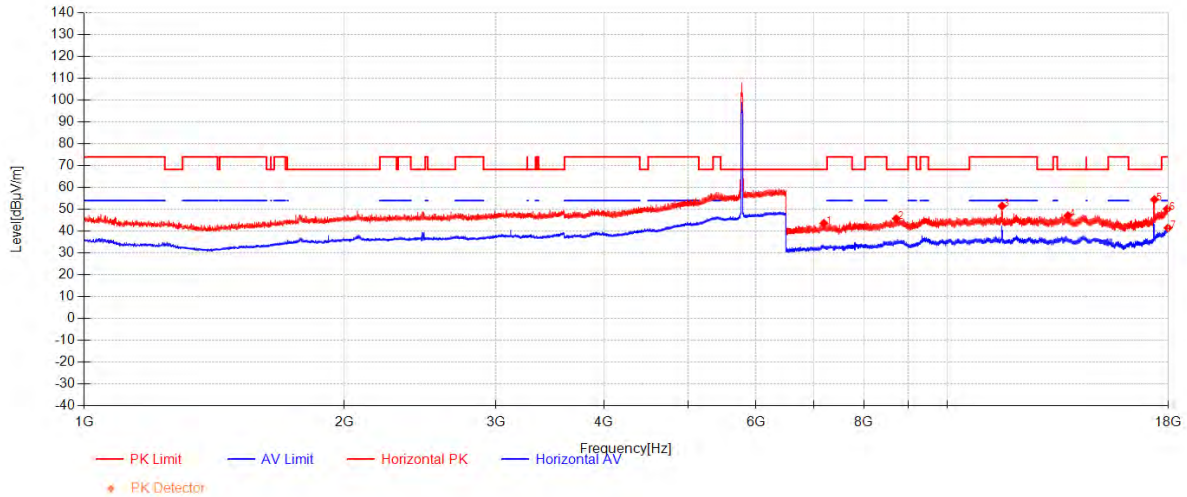
| Data List |                 |                |           |             |                |                |             |            |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|------------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity   |
| 1         | 7084.5833       | 53.28          | 35.65     | -46.08      | 42.85          | 68.30          | 25.45       | Horizontal |
| 2         | 8197.6875       | 52.11          | 36.52     | -44.22      | 44.40          | 74.00          | 29.60       | Horizontal |
| 3         | 9525.4583       | 49.98          | 38.14     | -42.42      | 45.70          | 68.30          | 22.60       | Horizontal |
| 4         | 11491.4792      | 50.54          | 39.45     | -40.06      | 49.93          | 74.00          | 24.07       | Horizontal |
| 5         | 14313.7708      | 46.38          | 40.27     | -38.77      | 47.88          | 68.30          | 20.42       | Horizontal |
| 6         | 17233.8125      | 50.18          | 40.20     | -37.15      | 53.23          | 68.30          | 15.07       | Horizontal |
| 7         | 17955.4375      | 33.71          | 44.53     | -37.10      | 41.14          | 54.00          | 12.86       | Horizontal |

## 11ax(HE20)\_TX\_CH\_149\_Vertical



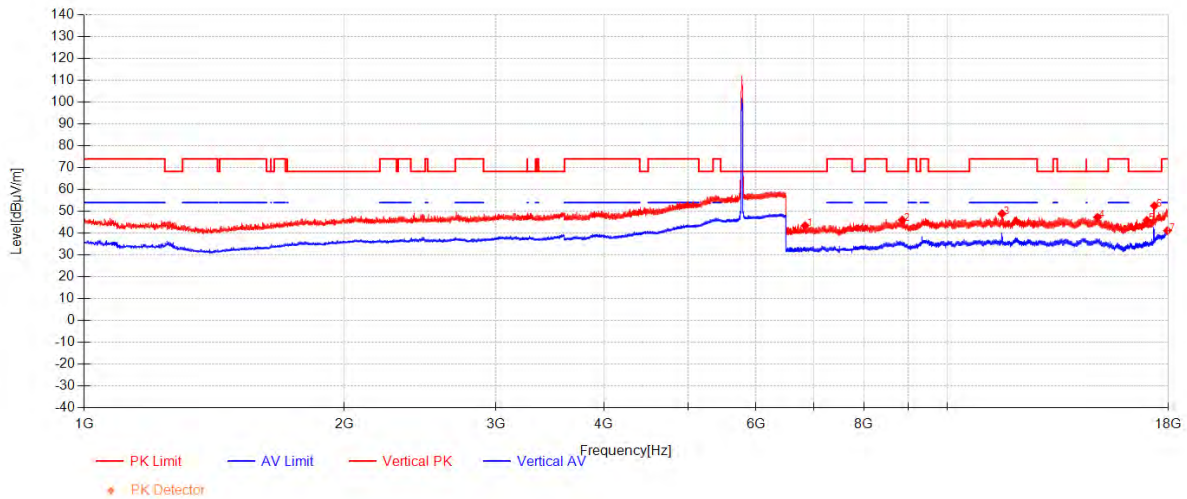
| Data List |                 |                |           |             |                |                |             |          |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|----------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity |
| 1         | 7071.6458       | 55.04          | 35.63     | -46.05      | 44.62          | 68.30          | 23.68       | Vertical |
| 2         | 8323.2292       | 52.72          | 36.66     | -44.51      | 44.86          | 74.00          | 29.14       | Vertical |
| 3         | 10076.9792      | 49.41          | 38.85     | -41.66      | 46.61          | 68.30          | 21.69       | Vertical |
| 4         | 11493.875       | 48.94          | 39.45     | -40.07      | 48.32          | 74.00          | 25.68       | Vertical |
| 5         | 14473.3333      | 45.70          | 40.25     | -38.44      | 47.51          | 74.00          | 26.49       | Vertical |
| 6         | 17231.8958      | 47.79          | 40.19     | -37.15      | 50.83          | 68.30          | 17.47       | Vertical |
| 7         | 17959.2708      | 33.46          | 44.56     | -37.09      | 40.92          | 54.00          | 13.08       | Vertical |

## 11ax(HE20)\_TX\_CH\_157\_Horizontal



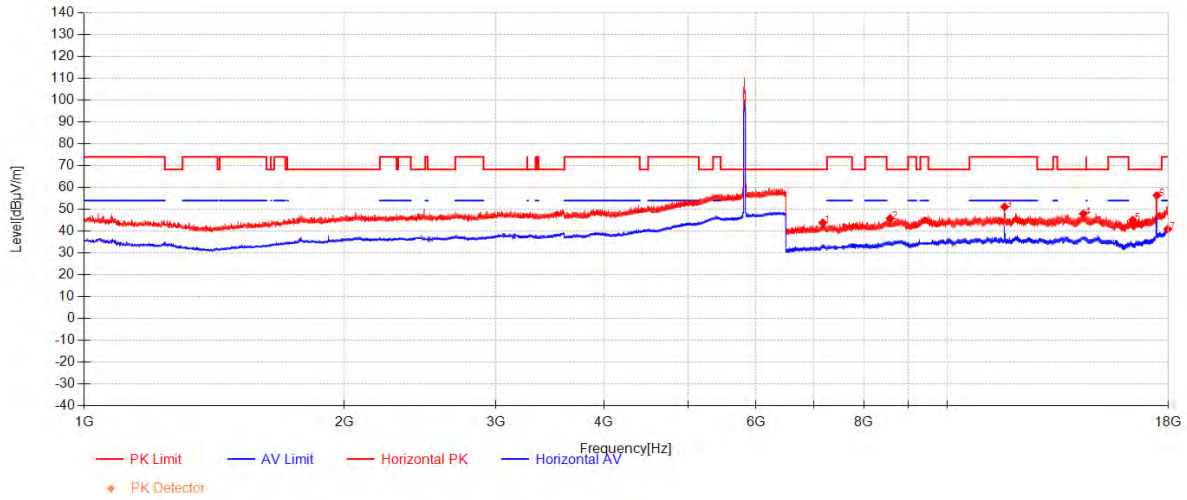
| Data List |                 |                |           |             |                |                |             |            |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|------------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity   |
| 1         | 7189.5208       | 53.32          | 35.84     | -45.52      | 43.64          | 68.30          | 24.66       | Horizontal |
| 2         | 8719.0208       | 52.37          | 37.09     | -43.72      | 45.74          | 68.30          | 22.56       | Horizontal |
| 3         | 11563.3542      | 51.61          | 39.44     | -39.54      | 51.51          | 74.00          | 22.49       | Horizontal |
| 4         | 13784.2917      | 45.59          | 39.98     | -38.43      | 47.14          | 68.30          | 21.16       | Horizontal |
| 5         | 17358.875       | 50.70          | 40.95     | -37.17      | 54.48          | 68.30          | 13.82       | Horizontal |
| 6         | 17961.6667      | 42.69          | 44.57     | -37.09      | 50.17          | 74.00          | 23.83       | Horizontal |
| 7         | 17999.5208      | 33.65          | 44.80     | -36.98      | 41.47          | 54.00          | 12.53       | Horizontal |

## 11ax(HE20)\_TX\_CH\_157\_Vertical



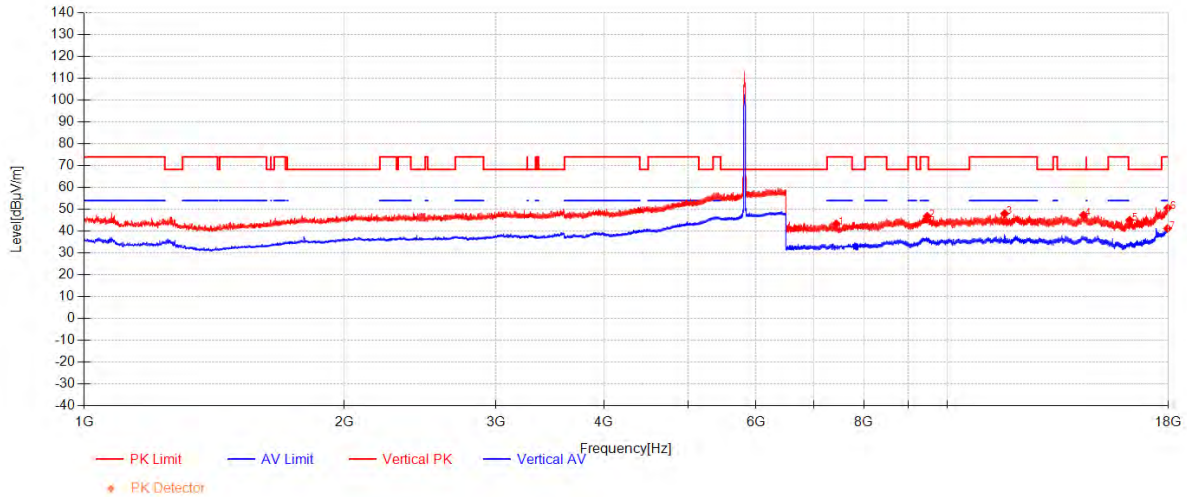
| Data List |                 |                |           |             |                |                |             |          |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|----------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity |
| 1         | 6837.8125       | 54.66          | 35.24     | -46.43      | 43.47          | 68.30          | 24.83       | Vertical |
| 2         | 8859.8958       | 52.49          | 37.25     | -43.67      | 46.06          | 68.30          | 22.24       | Vertical |
| 3         | 11561.4375      | 49.02          | 39.44     | -39.56      | 48.91          | 74.00          | 25.09       | Vertical |
| 4         | 14914.1667      | 45.44          | 40.21     | -38.33      | 47.32          | 68.30          | 20.98       | Vertical |
| 5         | 17014.3542      | 43.94          | 38.89     | -36.95      | 45.87          | 68.30          | 22.43       | Vertical |
| 6         | 17358.3958      | 48.76          | 40.95     | -37.17      | 52.54          | 68.30          | 15.76       | Vertical |
| 7         | 17971.7292      | 33.57          | 44.63     | -37.06      | 41.14          | 54.00          | 12.86       | Vertical |

## 11ax(HE20)\_TX\_CH\_165\_Horizontal



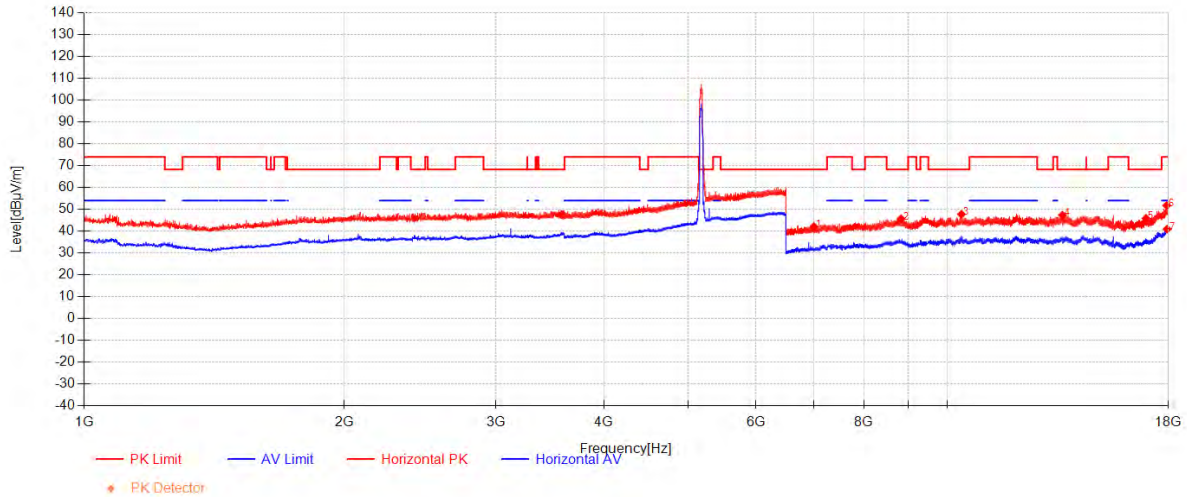
| Data List |                 |                |           |             |                |                |             |            |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|------------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity   |
| 1         | 7167.9583       | 53.73          | 35.80     | -45.66      | 43.87          | 68.30          | 24.43       | Horizontal |
| 2         | 8579.1042       | 52.96          | 36.94     | -44.04      | 45.86          | 68.30          | 22.44       | Horizontal |
| 3         | 11640.9792      | 51.17          | 39.44     | -39.49      | 51.12          | 74.00          | 22.88       | Horizontal |
| 4         | 14361.2083      | 46.40          | 40.26     | -38.74      | 47.93          | 68.30          | 20.37       | Horizontal |
| 5         | 16386.1667      | 44.41          | 38.55     | -37.81      | 45.16          | 68.30          | 23.14       | Horizontal |
| 6         | 17474.3542      | 51.13          | 41.65     | -36.40      | 56.38          | 68.30          | 11.92       | Horizontal |
| 7         | 17988.9792      | 33.24          | 44.73     | -37.01      | 40.96          | 54.00          | 13.04       | Horizontal |

## 11ax(HE20)\_TX\_CH\_165\_Vertical



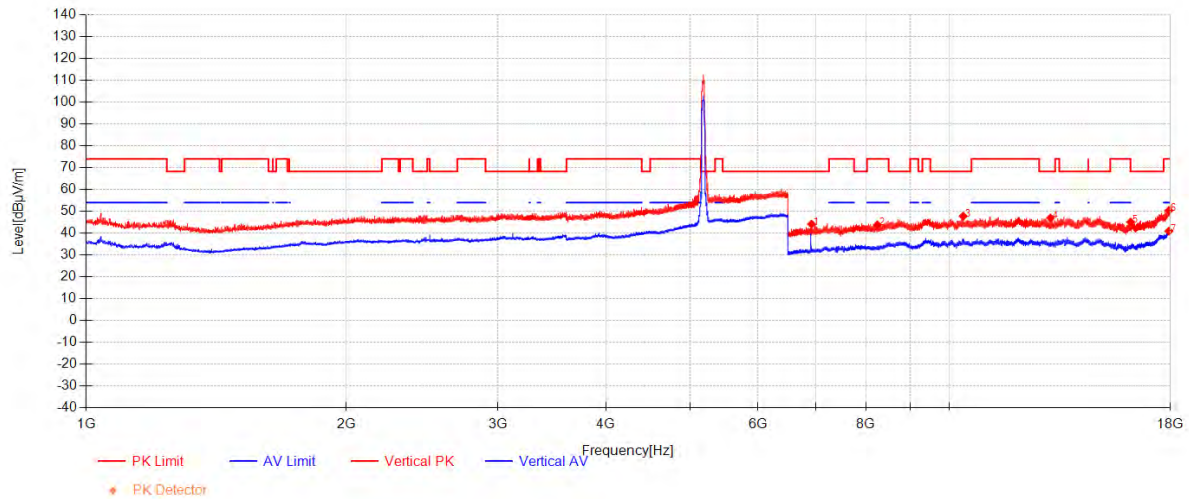
| Data List |                 |                |           |             |                |                |             |          |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|----------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity |
| 1         | 7431.0208       | 52.81          | 36.28     | -45.73      | 43.36          | 74.00          | 30.64       | Vertical |
| 2         | 9470.8333       | 51.46          | 38.06     | -42.70      | 46.82          | 74.00          | 27.18       | Vertical |
| 3         | 11646.7292      | 48.13          | 39.44     | -39.53      | 48.04          | 74.00          | 25.96       | Vertical |
| 4         | 14363.6042      | 45.82          | 40.26     | -38.74      | 47.35          | 68.30          | 20.95       | Vertical |
| 5         | 16250.0833      | 44.49          | 38.50     | -37.99      | 45.00          | 68.30          | 23.30       | Vertical |
| 6         | 17991.8542      | 42.88          | 44.75     | -37.00      | 50.63          | 74.00          | 23.37       | Vertical |
| 7         | 17976.5208      | 33.59          | 44.66     | -37.05      | 41.20          | 54.00          | 12.80       | Vertical |

## 11ax(HE40)\_TX\_CH\_38\_Horizontal



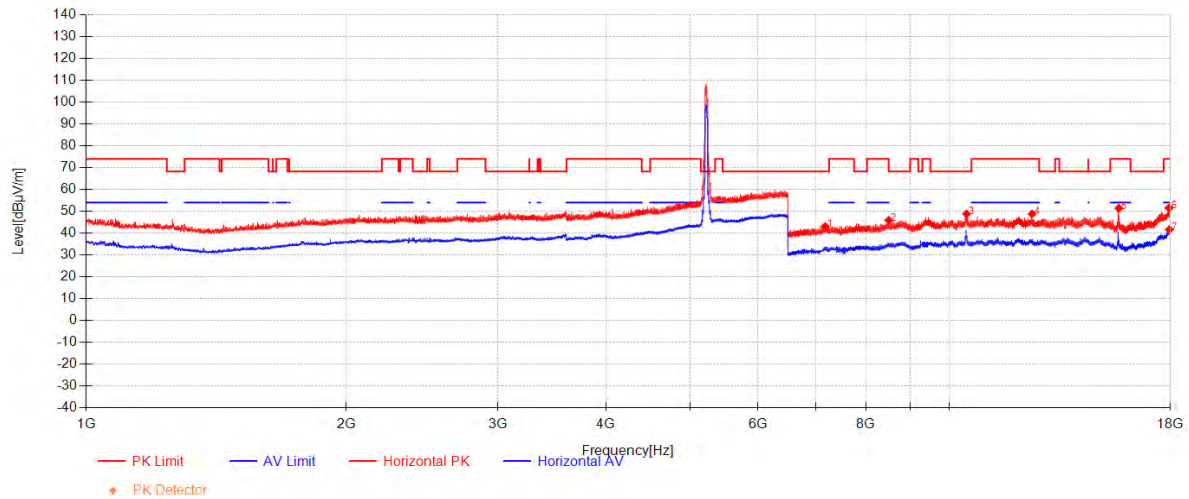
| Data List |                 |                |           |             |                |                |             |            |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|------------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity   |
| 1         | 7000.25         | 52.52          | 35.50     | -45.91      | 42.11          | 68.30          | 26.19       | Horizontal |
| 2         | 8829.7083       | 52.24          | 37.21     | -43.77      | 45.68          | 68.30          | 22.62       | Horizontal |
| 3         | 10375.0208      | 49.90          | 39.06     | -41.21      | 47.75          | 68.30          | 20.55       | Horizontal |
| 4         | 13583.5208      | 46.05          | 39.68     | -38.39      | 47.33          | 68.30          | 20.97       | Horizontal |
| 5         | 16974.1042      | 43.95          | 38.79     | -36.88      | 45.86          | 68.30          | 22.44       | Horizontal |
| 6         | 17933.875       | 44.53          | 44.40     | -37.17      | 51.77          | 74.00          | 22.23       | Horizontal |
| 7         | 17958.7917      | 33.48          | 44.55     | -37.10      | 40.94          | 54.00          | 13.06       | Horizontal |

## 11ax(HE40)\_TX\_CH\_38\_Vertical



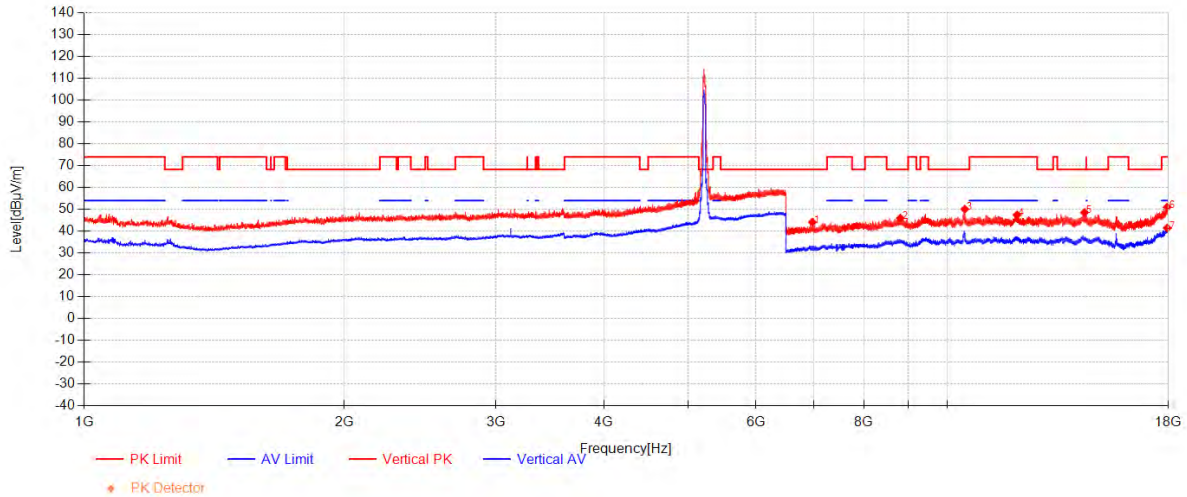
| Data List |                 |                |           |             |                |                |             |          |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|----------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity |
| 1         | 6920.2292       | 54.86          | 35.37     | -46.09      | 44.14          | 68.30          | 24.16       | Vertical |
| 2         | 8247.5208       | 51.64          | 36.57     | -44.38      | 43.83          | 74.00          | 30.17       | Vertical |
| 3         | 10367.3542      | 49.95          | 39.06     | -41.19      | 47.81          | 68.30          | 20.49       | Vertical |
| 4         | 13085.6667      | 46.54          | 38.93     | -38.51      | 46.96          | 68.30          | 21.34       | Vertical |
| 5         | 16206.9583      | 44.66          | 38.48     | -38.05      | 45.09          | 68.30          | 23.21       | Vertical |
| 6         | 17945.375       | 43.08          | 44.47     | -37.13      | 50.42          | 74.00          | 23.58       | Vertical |
| 7         | 17943.9375      | 33.60          | 44.46     | -37.14      | 40.93          | 54.00          | 13.07       | Vertical |

## 11ax(HE40)\_TX\_CH\_46\_Horizontal



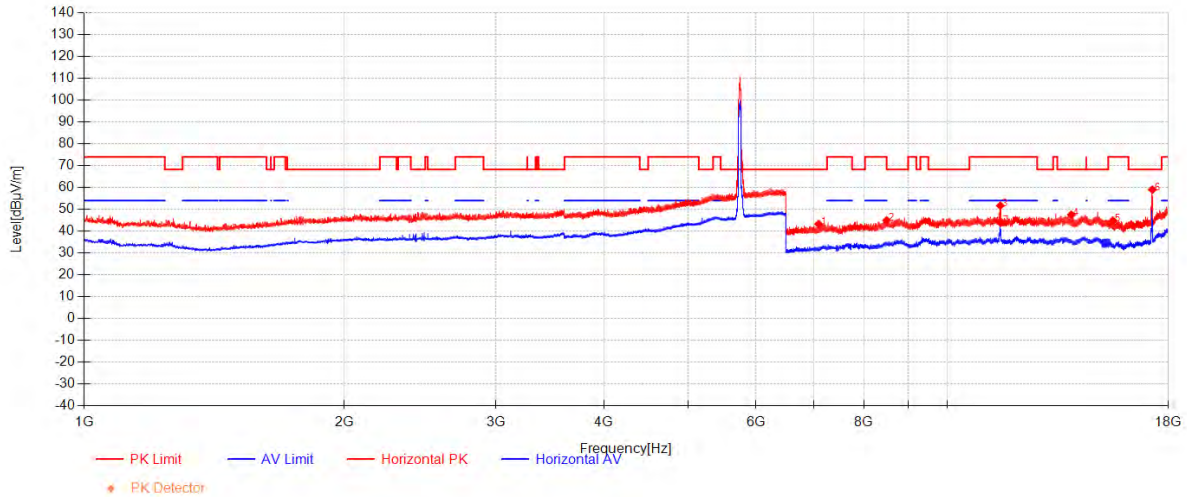
| Data List |                 |                |           |             |                |                |             |            |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|------------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity   |
| 1         | 7176.1042       | 52.86          | 35.82     | -45.61      | 43.07          | 68.30          | 25.23       | Horizontal |
| 2         | 8501            | 52.74          | 36.85     | -43.68      | 45.91          | 68.30          | 22.39       | Horizontal |
| 3         | 10464.625       | 50.51          | 39.13     | -40.81      | 48.82          | 68.30          | 19.48       | Horizontal |
| 4         | 12460.8333      | 48.28          | 39.12     | -38.61      | 48.79          | 74.00          | 25.21       | Horizontal |
| 5         | 15702.3958      | 50.36          | 38.94     | -37.88      | 51.42          | 74.00          | 22.58       | Horizontal |
| 6         | 17950.6458      | 44.12          | 44.50     | -37.12      | 51.51          | 74.00          | 22.49       | Horizontal |
| 7         | 17967.8958      | 34.08          | 44.61     | -37.07      | 41.62          | 54.00          | 12.38       | Horizontal |

## 11ax(HE40)\_TX\_CH\_46\_Vertical



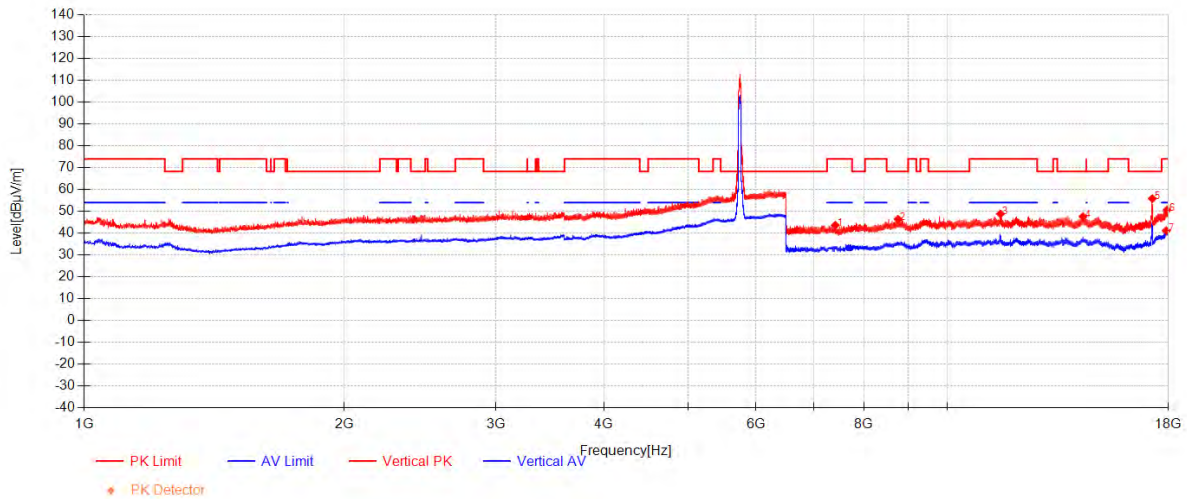
| Data List |                 |                |           |             |                |                |             |          |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|----------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity |
| 1         | 6972.9375       | 54.65          | 35.46     | -45.97      | 44.13          | 68.30          | 24.17       | Vertical |
| 2         | 8816.2917       | 52.60          | 37.20     | -43.81      | 45.99          | 68.30          | 22.31       | Vertical |
| 3         | 10467.0208      | 51.77          | 39.13     | -40.79      | 50.10          | 68.30          | 18.20       | Vertical |
| 4         | 12031.9792      | 46.89          | 39.38     | -38.83      | 47.44          | 74.00          | 26.56       | Vertical |
| 5         | 14406.25        | 46.98          | 40.26     | -38.69      | 48.55          | 68.30          | 19.75       | Vertical |
| 6         | 17956.3958      | 43.58          | 44.54     | -37.10      | 51.02          | 74.00          | 22.98       | Vertical |
| 7         | 17962.625       | 33.94          | 44.58     | -37.08      | 41.43          | 54.00          | 12.57       | Vertical |

## 11ax(HE40)\_TX\_CH\_151\_Horizontal



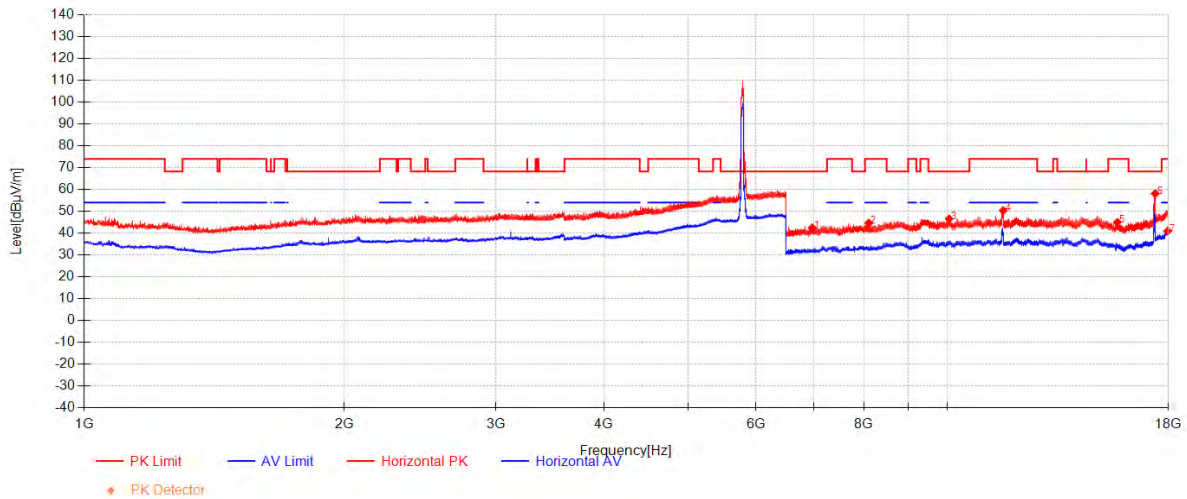
| Data List |                 |                |           |             |                |                |             |            |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|------------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity   |
| 1         | 7089.8542       | 53.67          | 35.66     | -46.09      | 43.24          | 68.30          | 25.06       | Horizontal |
| 2         | 8500.0417       | 51.80          | 36.85     | -43.68      | 44.97          | 68.30          | 23.33       | Horizontal |
| 3         | 11510.6458      | 52.22          | 39.45     | -40.00      | 51.67          | 74.00          | 22.33       | Horizontal |
| 4         | 13910.3125      | 45.76          | 40.17     | -38.42      | 47.50          | 68.30          | 20.80       | Horizontal |
| 5         | 15536.6042      | 43.65          | 39.23     | -38.05      | 44.83          | 74.00          | 29.17       | Horizontal |
| 6         | 17264           | 55.74          | 40.38     | -37.13      | 58.99          | 68.30          | 9.31        | Horizontal |
| 7         | 11517.8333      | 44.37          | 39.45     | -39.93      | 43.88          | 54.00          | 10.12       | Horizontal |

## 11ax(HE40)\_TX\_CH\_151\_Vertical



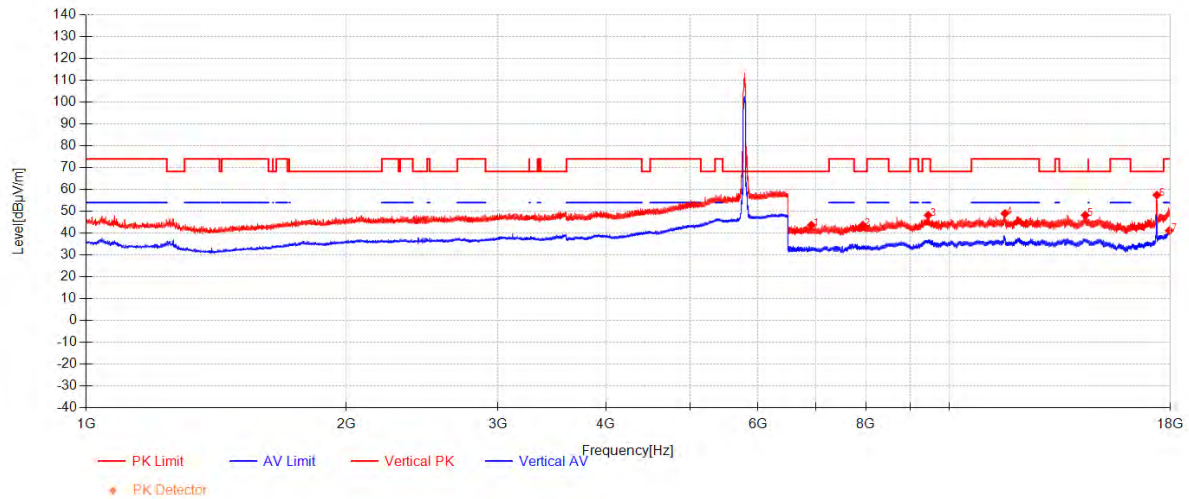
| Data List |                 |                |           |             |                |                |             |          |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|----------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity |
| 1         | 7411.8542       | 53.00          | 36.24     | -45.63      | 43.62          | 74.00          | 30.38       | Vertical |
| 2         | 8763.1042       | 53.06          | 37.14     | -43.80      | 46.40          | 68.30          | 21.90       | Vertical |
| 3         | 11511.125       | 49.37          | 39.45     | -39.99      | 48.83          | 74.00          | 25.17       | Vertical |
| 4         | 14344.4375      | 46.08          | 40.27     | -38.75      | 47.60          | 68.30          | 20.70       | Vertical |
| 5         | 17261.6042      | 52.59          | 40.37     | -37.13      | 55.83          | 68.30          | 12.47       | Vertical |
| 6         | 17949.6875      | 43.20          | 44.50     | -37.12      | 50.58          | 74.00          | 23.42       | Vertical |
| 7         | 17915.1875      | 34.06          | 44.29     | -37.22      | 41.13          | 54.00          | 12.87       | Vertical |

## 11ax(HE40)\_TX\_CH\_159\_Horizontal



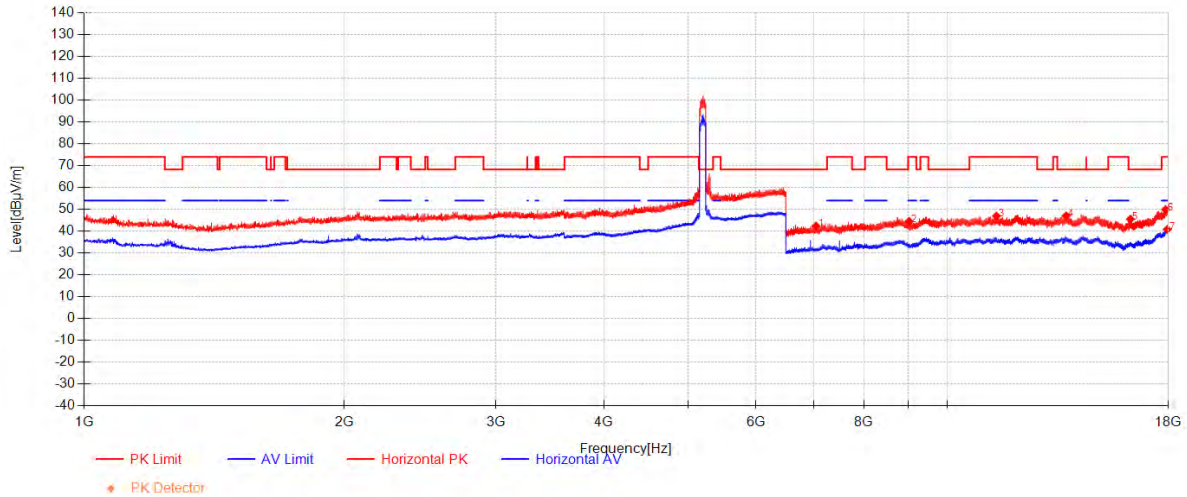
| Data List |                 |                |           |             |                |                |             |            |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|------------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity   |
| 1         | 6971.0208       | 52.95          | 35.45     | -45.98      | 42.43          | 68.30          | 25.87       | Horizontal |
| 2         | 8104.25         | 52.67          | 36.41     | -44.42      | 44.66          | 74.00          | 29.34       | Horizontal |
| 3         | 10042           | 49.47          | 38.83     | -41.69      | 46.61          | 68.30          | 21.69       | Horizontal |
| 4         | 11598.8125      | 50.15          | 39.44     | -39.23      | 50.36          | 74.00          | 23.64       | Horizontal |
| 5         | 15726.8333      | 44.07          | 38.89     | -37.95      | 45.01          | 74.00          | 28.99       | Horizontal |
| 6         | 17393.375       | 54.09          | 41.16     | -37.20      | 58.05          | 68.30          | 10.25       | Horizontal |
| 7         | 17982.2708      | 33.30          | 44.69     | -37.03      | 40.96          | 54.00          | 13.04       | Horizontal |

## 11ax(HE40)\_TX\_CH\_159\_Vertical



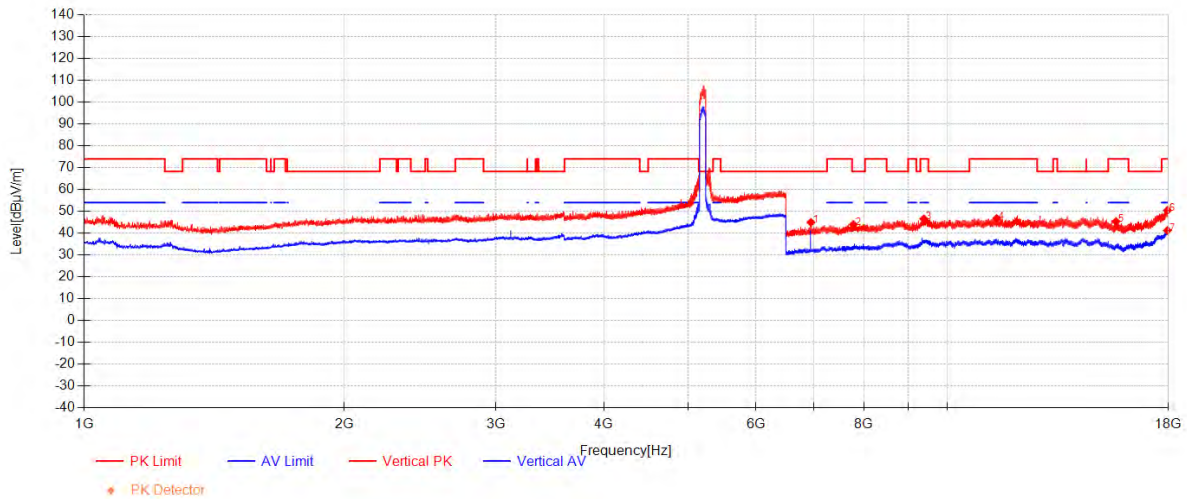
| Data List |                 |                |           |             |                |                |             |          |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|----------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity |
| 1         | 6917.3542       | 54.39          | 35.37     | -46.10      | 43.66          | 68.30          | 24.64       | Vertical |
| 2         | 7934.625        | 52.14          | 36.31     | -44.73      | 43.73          | 68.30          | 24.57       | Vertical |
| 3         | 9444            | 52.93          | 38.02     | -42.74      | 48.21          | 74.00          | 25.79       | Vertical |
| 4         | 11590.6667      | 48.87          | 39.44     | -39.30      | 49.01          | 74.00          | 24.99       | Vertical |
| 5         | 14355.4583      | 46.70          | 40.26     | -38.74      | 48.22          | 68.30          | 20.08       | Vertical |
| 6         | 17380.4375      | 53.59          | 41.08     | -37.19      | 57.48          | 68.30          | 10.82       | Vertical |
| 7         | 17967.8958      | 33.61          | 44.61     | -37.07      | 41.15          | 54.00          | 12.85       | Vertical |

## 11ax(HE80)\_TX\_CH\_42\_Horizontal



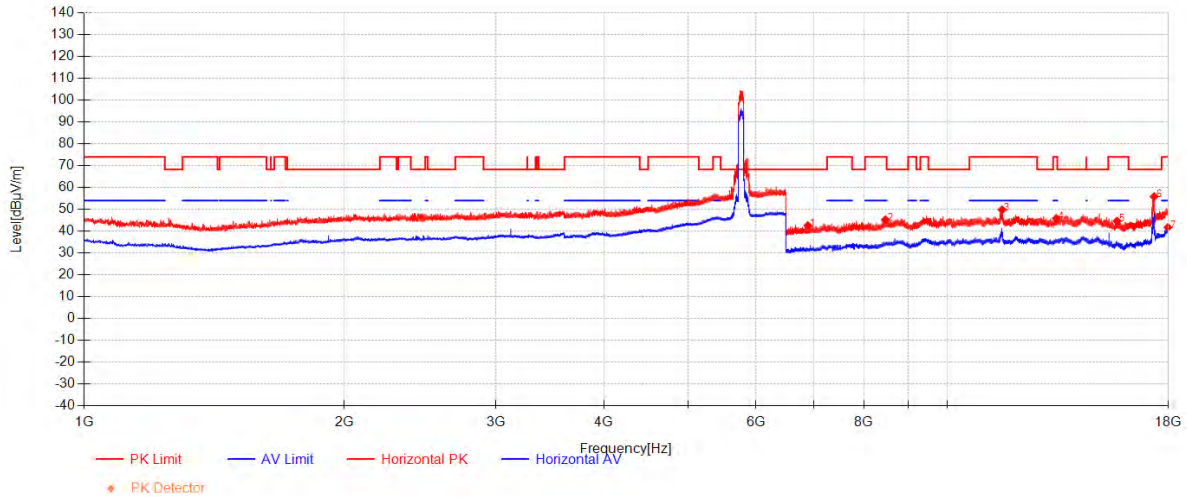
| Data List |                 |                |           |             |                |                |             |            |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|------------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity   |
| 1         | 7040.5          | 52.80          | 35.57     | -45.99      | 42.38          | 68.30          | 25.92       | Horizontal |
| 2         | 9024.7292       | 50.54          | 37.43     | -43.50      | 44.48          | 74.00          | 29.52       | Horizontal |
| 3         | 11392.2917      | 47.26          | 39.46     | -39.77      | 46.95          | 74.00          | 27.05       | Horizontal |
| 4         | 13717.6875      | 45.20          | 39.88     | -38.05      | 47.03          | 68.30          | 21.27       | Horizontal |
| 5         | 16281.2292      | 44.96          | 38.51     | -37.95      | 45.52          | 68.30          | 22.78       | Horizontal |
| 6         | 17879.25        | 43.23          | 44.08     | -37.42      | 49.89          | 74.00          | 24.11       | Horizontal |
| 7         | 17965.9792      | 33.33          | 44.60     | -37.08      | 40.85          | 54.00          | 13.15       | Horizontal |

## 11ax(HE80)\_TX\_CH\_42\_Vertical



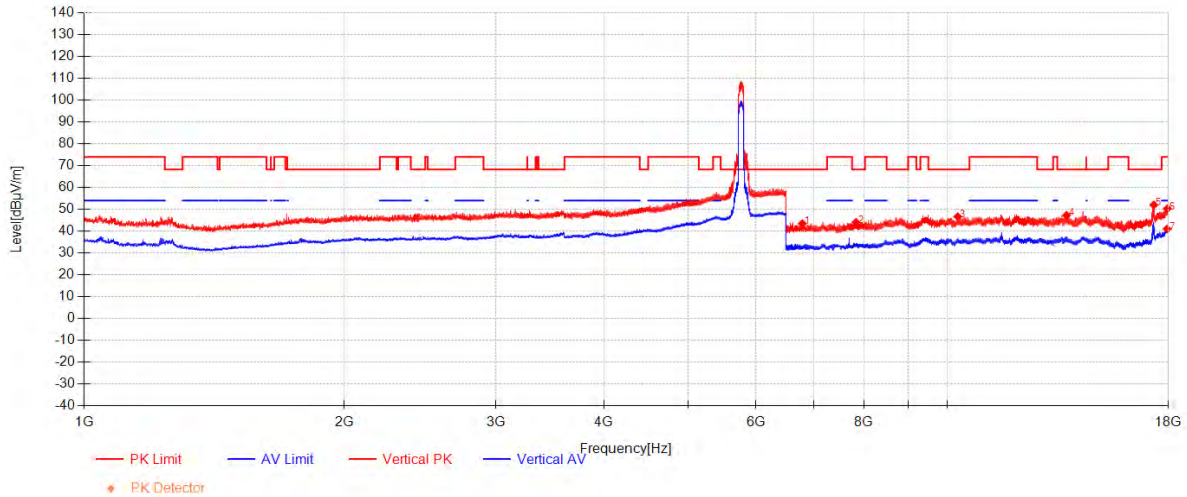
| Data List |                 |                |           |             |                |                |             |          |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|----------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity |
| 1         | 6946.5833       | 55.56          | 35.41     | -46.03      | 44.94          | 68.30          | 23.36       | Vertical |
| 2         | 7777.4583       | 52.56          | 36.34     | -44.95      | 43.95          | 68.30          | 24.35       | Vertical |
| 3         | 9385.5417       | 51.46          | 37.94     | -42.83      | 46.57          | 74.00          | 27.43       | Vertical |
| 4         | 11397.5625      | 46.97          | 39.46     | -39.73      | 46.70          | 74.00          | 27.30       | Vertical |
| 5         | 15663.5833      | 44.20          | 39.01     | -37.88      | 45.32          | 74.00          | 28.68       | Vertical |
| 6         | 17973.1667      | 42.85          | 44.64     | -37.06      | 50.43          | 74.00          | 23.57       | Vertical |
| 7         | 17968.375       | 33.70          | 44.61     | -37.07      | 41.24          | 54.00          | 12.76       | Vertical |

## 11ax(HE80)\_TX\_CH\_155\_Horizontal



| Data List |                 |                |           |             |                |                |             |            |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|------------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity   |
| 1         | 6889.0833       | 53.46          | 35.32     | -46.19      | 42.59          | 68.30          | 25.71       | Horizontal |
| 2         | 8470.3333       | 52.29          | 36.82     | -43.88      | 45.23          | 74.00          | 28.77       | Horizontal |
| 3         | 11564.3125      | 49.88          | 39.44     | -39.53      | 49.79          | 74.00          | 24.21       | Horizontal |
| 4         | 13362.1458      | 45.39          | 39.34     | -38.84      | 45.89          | 74.00          | 28.11       | Horizontal |
| 5         | 15711.5         | 43.60          | 38.92     | -37.90      | 44.62          | 74.00          | 29.38       | Horizontal |
| 6         | 17345.9375      | 52.13          | 40.88     | -37.16      | 55.85          | 68.30          | 12.45       | Horizontal |
| 7         | 17994.25        | 33.97          | 44.77     | -37.00      | 41.74          | 54.00          | 12.26       | Horizontal |

## 11ax(HE80)\_TX\_CH\_155\_Vertical



| Data List |                 |                |           |             |                |                |             |          |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|----------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity |
| 1         | 6787.5          | 54.86          | 35.16     | -46.56      | 43.46          | 68.30          | 24.84       | Vertical |
| 2         | 7833.0417       | 52.64          | 36.33     | -44.92      | 44.05          | 68.30          | 24.25       | Vertical |
| 3         | 10273.9167      | 49.00          | 38.99     | -41.34      | 46.65          | 68.30          | 21.65       | Vertical |
| 4         | 13733.0208      | 45.55          | 39.90     | -38.14      | 47.31          | 68.30          | 20.99       | Vertical |
| 5         | 17329.1667      | 48.37          | 40.77     | -37.14      | 52.01          | 68.30          | 16.29       | Vertical |
| 6         | 17963.5833      | 42.78          | 44.58     | -37.08      | 50.28          | 74.00          | 23.72       | Vertical |
| 7         | 17954.9583      | 33.63          | 44.53     | -37.11      | 41.05          | 54.00          | 12.95       | Vertical |

## 7.4 Radiated Emissions which fall in the restricted bands

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

Test Method: ANSI C63.10-2020+Cor.1-2023 Section 6.10.5 & 12.7.2

Measurement Distance: 3m

Limit:

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

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

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

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

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

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

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

### 7.4.1 E.U.T. Operation

Operating Environment:

Temperature: 23 °C

Humidity: 47 % RH

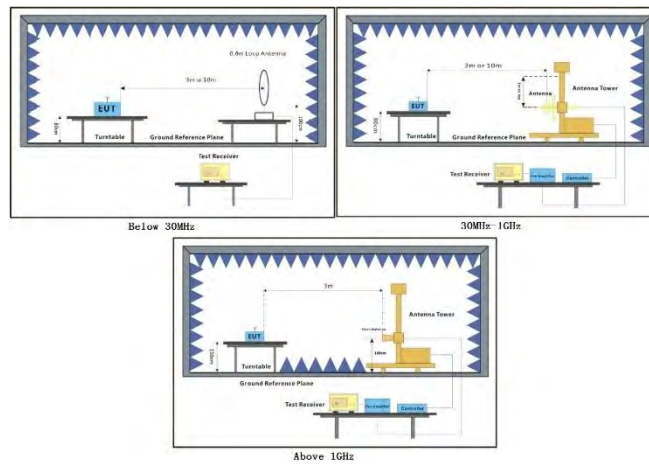
Atmospheric Pressure: 1001 mbar

### 7.4.2 Test Mode Description

| Pre-scan / Final test | Mode Code | Description                                                                                                                                                                                                                                                                                                               |
|-----------------------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Final test            | 00        | TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is |

|            |    |                                                                                                                                                                                                                                                                                                                                                    |
|------------|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|            |    | recorded in the report.                                                                                                                                                                                                                                                                                                                            |
| Final test | 01 | TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report. |

### 7.4.3 Test Setup Diagram



#### 7.4.4 Measurement Procedure and Data

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

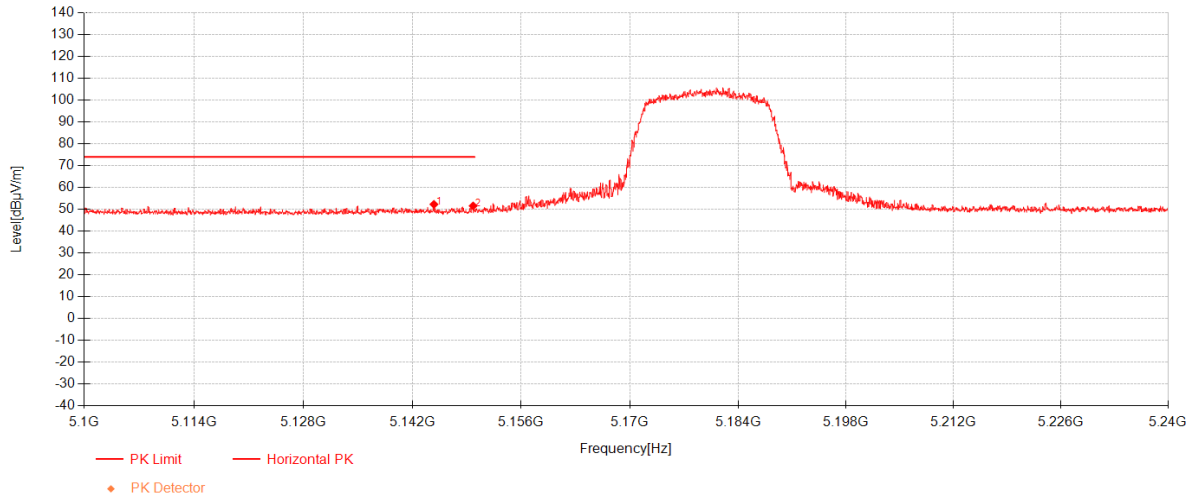
Remark 1:  $\text{Level} = \text{Read Level} + \text{Cable Loss} + \text{Antenna Factor} - \text{Preamp Factor}$

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

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

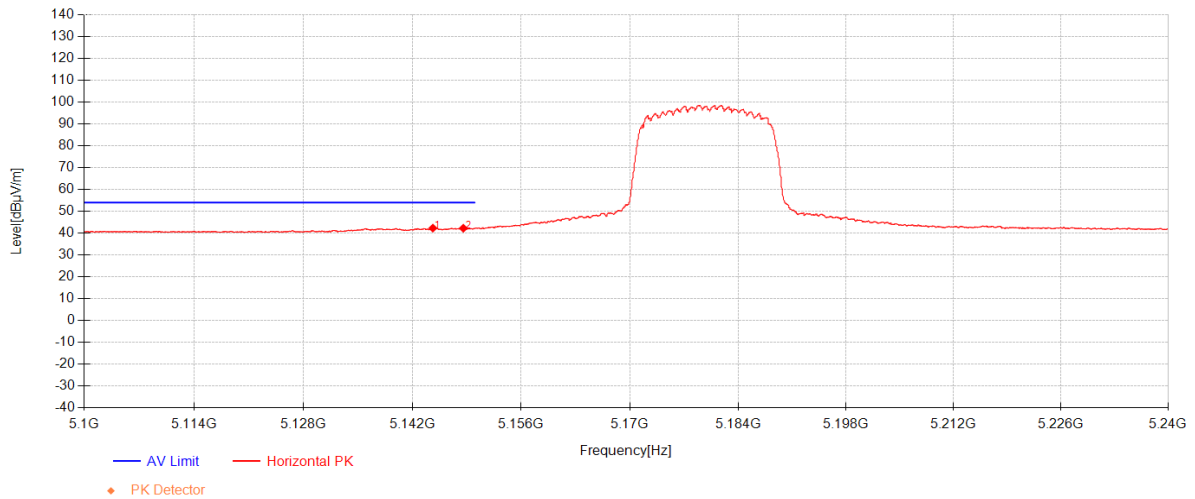
Remark 4: Note: Both SISO and MIMO modes were assessed during testing. Only the worst-case test results obtained in MIMO mode are recorded in this report.

### 11a\_TX\_CH\_36\_Horizontal\_Peak



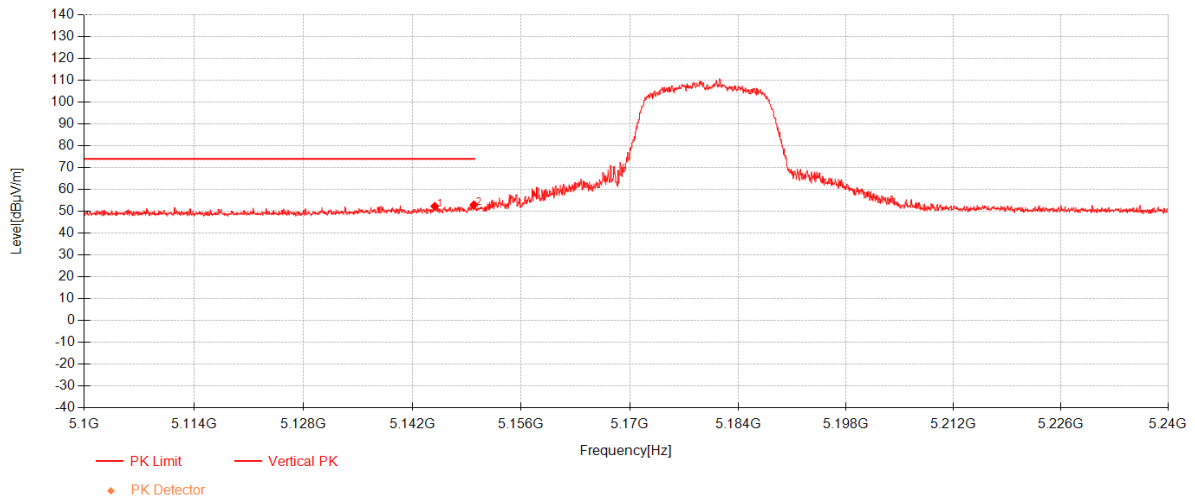
| Data List |                 |                |           |             |                |                |             |            |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|------------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity   |
| 1         | 5144.765        | 40.92          | 31.61     | -20.24      | 52.29          | 74.00          | 21.71       | Horizontal |
| 2         | 5149.805        | 40.18          | 31.62     | -20.23      | 51.57          | 74.00          | 22.43       | Horizontal |

## 11a\_TX\_CH\_36\_Horizontal\_Average



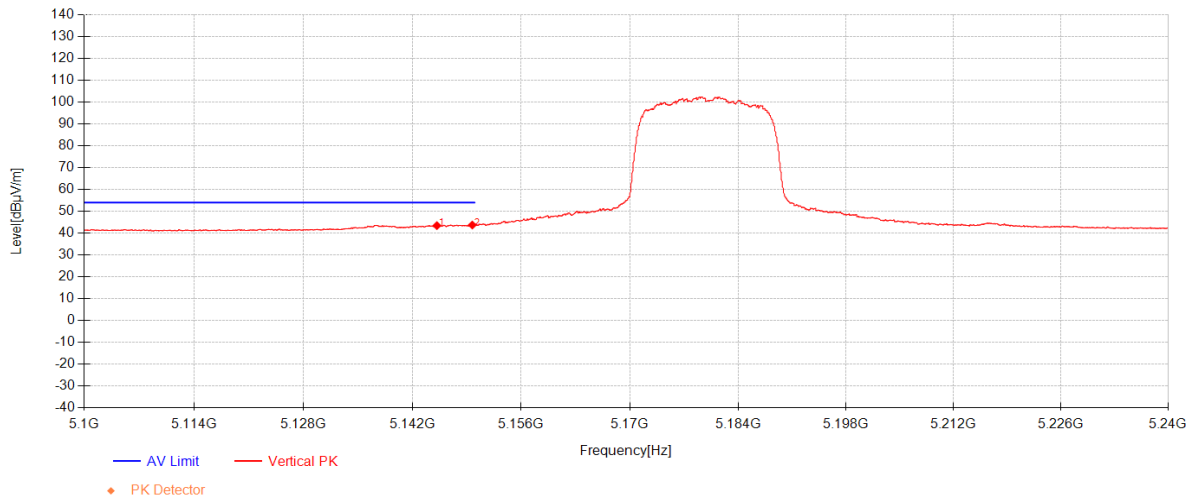
| Data List |                 |                |           |             |                |                |             |            |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|------------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity   |
| 1         | 5144.625        | 28.46          | 31.60     | -17.76      | 42.30          | 54.00          | 11.70       | Horizontal |
| 2         | 5148.545        | 28.39          | 31.62     | -17.76      | 42.25          | 54.00          | 11.75       | Horizontal |

## 11a\_TX\_CH\_36\_Vertical\_Peak



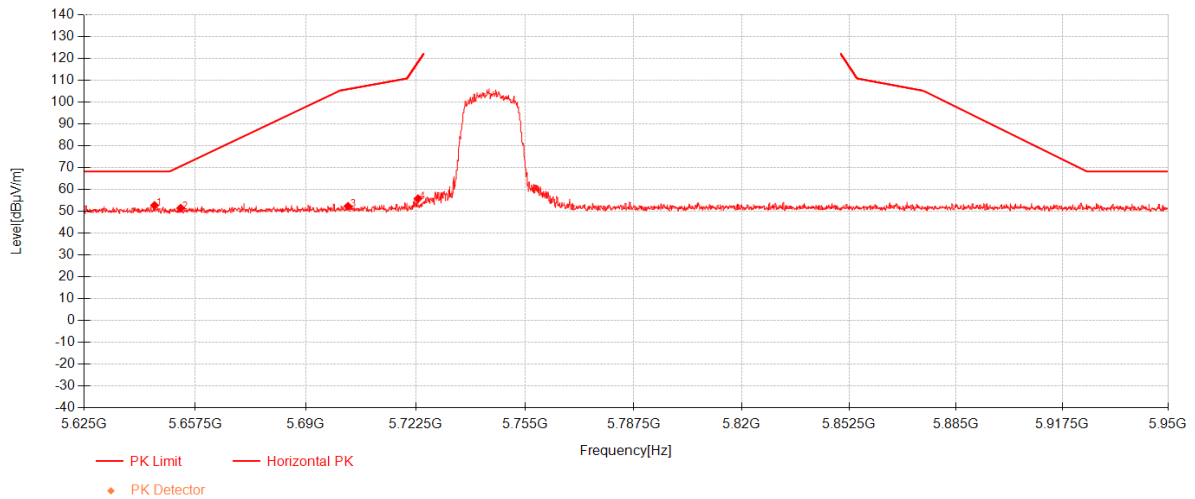
| Data List |                 |                |           |             |                |                |             |          |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|----------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity |
| 1         | 5144.87         | 40.97          | 31.61     | -20.24      | 52.34          | 74.00          | 21.66       | Vertical |
| 2         | 5149.91         | 41.64          | 31.62     | -20.23      | 53.03          | 74.00          | 20.97       | Vertical |

## 11a\_TX\_CH\_36\_Vertical\_Average



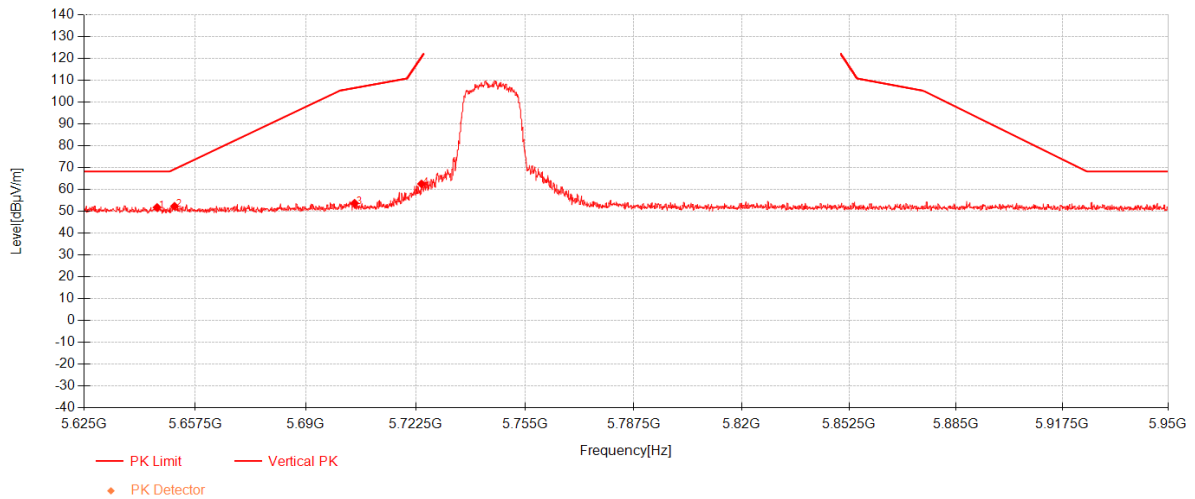
| Data List |                 |                |           |             |                |                |             |          |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|----------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity |
| 1         | 5145.15         | 29.61          | 31.61     | -17.76      | 43.45          | 54.00          | 10.55       | Vertical |
| 2         | 5149.7          | 29.86          | 31.62     | -17.76      | 43.72          | 54.00          | 10.28       | Vertical |

### 11a\_TX\_CH\_149\_Horizontal\_Peak



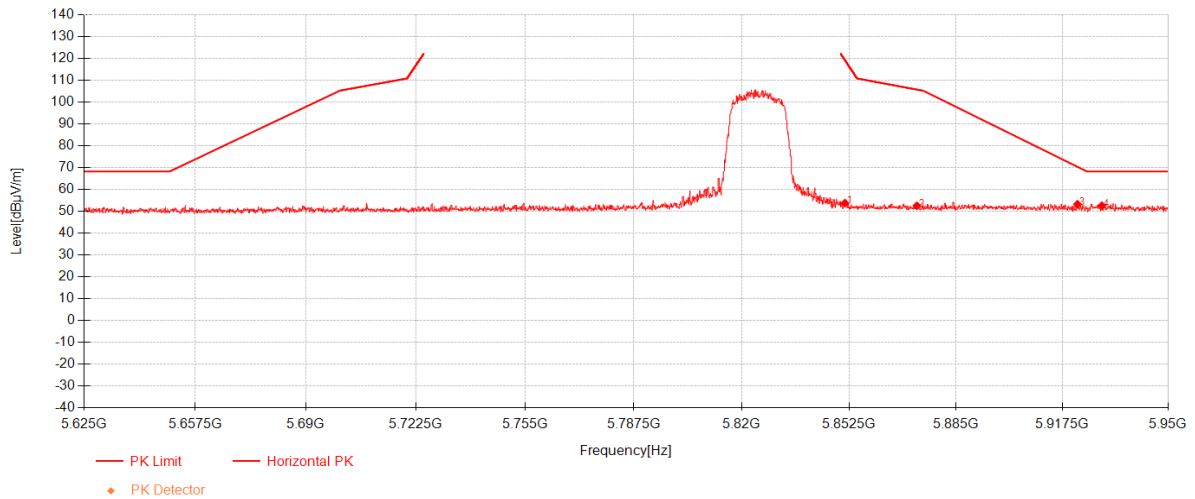
| Data List |                 |                |           |             |                |                |             |            |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|------------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity   |
| 1         | 5645.5562       | 39.52          | 32.66     | -19.46      | 52.72          | 68.30          | 15.58       | Horizontal |
| 2         | 5653.1938       | 38.26          | 32.66     | -19.46      | 51.46          | 70.67          | 19.21       | Horizontal |
| 3         | 5702.4312       | 39.09          | 32.68     | -19.45      | 52.32          | 105.98         | 53.66       | Horizontal |
| 4         | 5723.15         | 42.43          | 32.69     | -19.32      | 55.80          | 118.08         | 62.28       | Horizontal |

## 11a\_TX\_CH\_149\_Vertical\_Peak



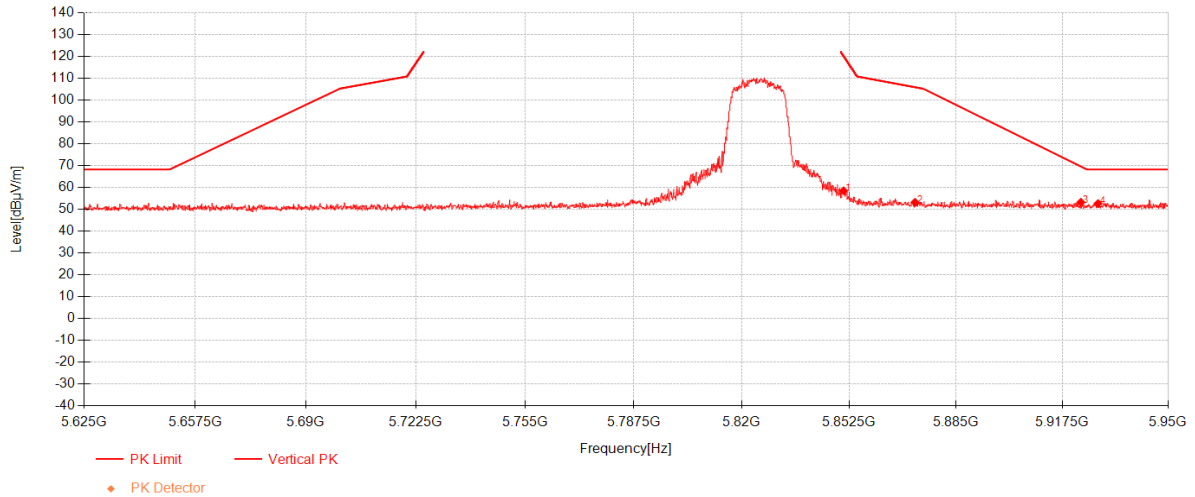
| Data List |                 |                |           |             |                |                |             |          |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|----------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity |
| 1         | 5646.2875       | 38.59          | 32.66     | -19.46      | 51.79          | 68.30          | 16.51       | Vertical |
| 2         | 5651.4062       | 39.12          | 32.66     | -19.46      | 52.32          | 69.35          | 17.03       | Vertical |
| 3         | 5704.3812       | 40.49          | 32.68     | -19.44      | 53.73          | 106.53         | 52.80       | Vertical |
| 4         | 5724.2062       | 49.20          | 32.69     | -19.32      | 62.57          | 120.49         | 57.92       | Vertical |

## 11a\_TX\_CH\_165\_Horizontal\_Peak



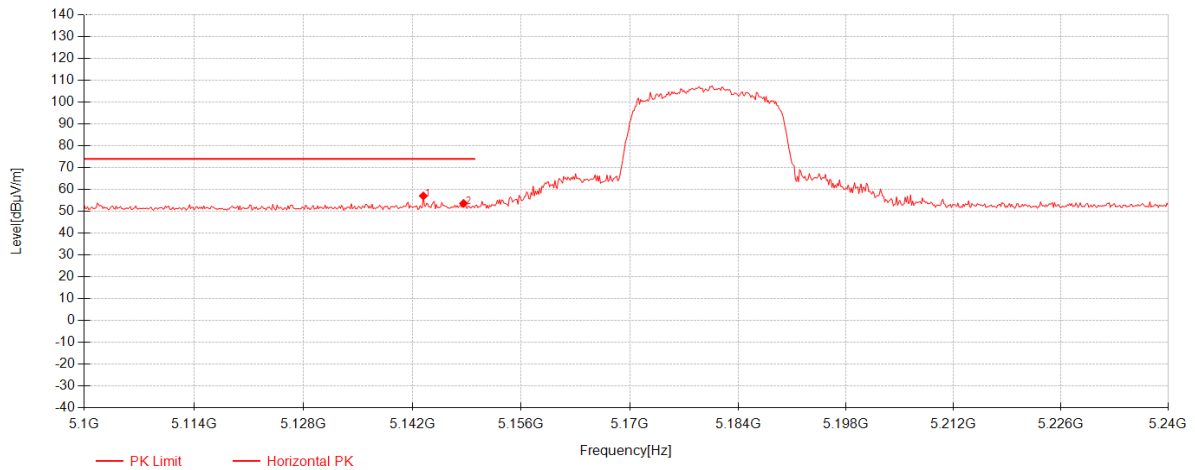
| Data List |                 |                |           |             |                |                |             |            |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|------------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity   |
| 1         | 5851.2          | 39.87          | 32.74     | -18.81      | 53.80          | 119.56         | 65.76       | Horizontal |
| 2         | 5873.0562       | 38.61          | 32.75     | -18.80      | 52.56          | 105.84         | 53.28       | Horizontal |
| 3         | 5922.1312       | 39.44          | 32.77     | -18.94      | 53.27          | 70.41          | 17.14       | Horizontal |
| 4         | 5929.6062       | 38.83          | 32.77     | -18.99      | 52.61          | 68.30          | 15.69       | Horizontal |

# 11a\_TX\_CH\_165\_Verical\_Peak



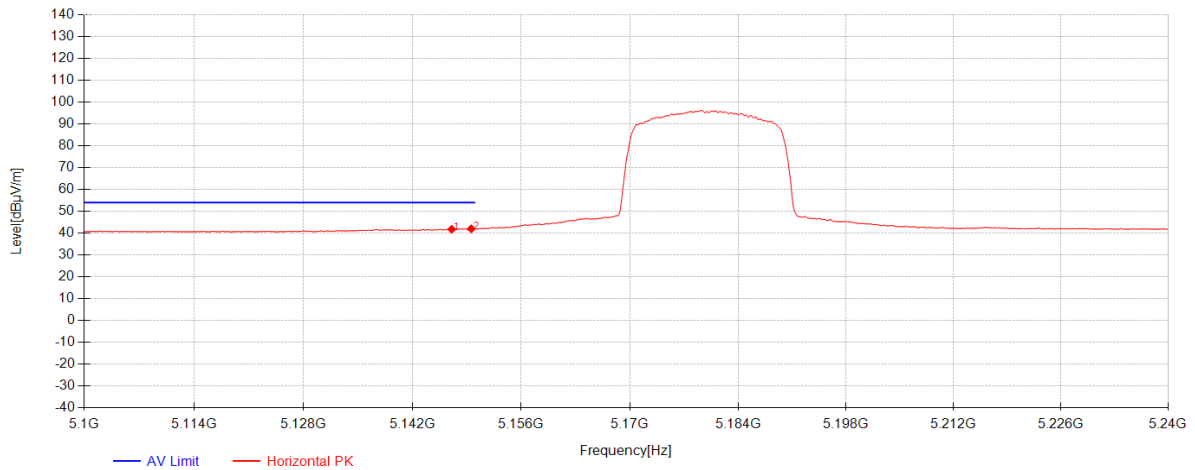
| Data List |                 |                |           |             |                |                |             |          |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|----------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity |
| 1         | 5850.7938       | 44.59          | 32.74     | -18.81      | 58.52          | 120.49         | 61.97       | Vertical |
| 2         | 5872.4875       | 39.30          | 32.75     | -18.80      | 53.25          | 106.00         | 52.75       | Vertical |
| 3         | 5923.1875       | 39.45          | 32.77     | -18.95      | 53.27          | 69.64          | 16.37       | Vertical |
| 4         | 5928.4688       | 38.88          | 32.77     | -18.99      | 52.66          | 68.30          | 15.64       | Vertical |

## 11ax(HE20)\_TX\_CH\_36\_Horizontal\_Peak



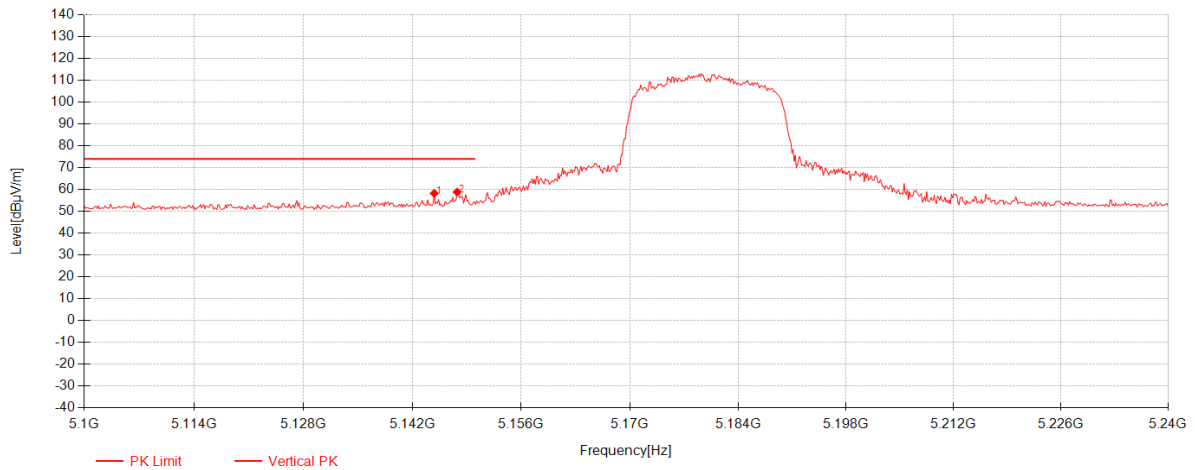
| Data List |                 |                |           |             |                |                |             |            |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|------------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity   |
| 1         | 5143.4          | 43.21          | 31.60     | -17.77      | 57.05          | 74.00          | 16.95       | Horizontal |
| 2         | 5148.58         | 39.77          | 31.62     | -17.76      | 53.63          | 74.00          | 20.37       | Horizontal |

## 11ax(HE20)\_TX\_CH\_36\_Horizontal\_Average



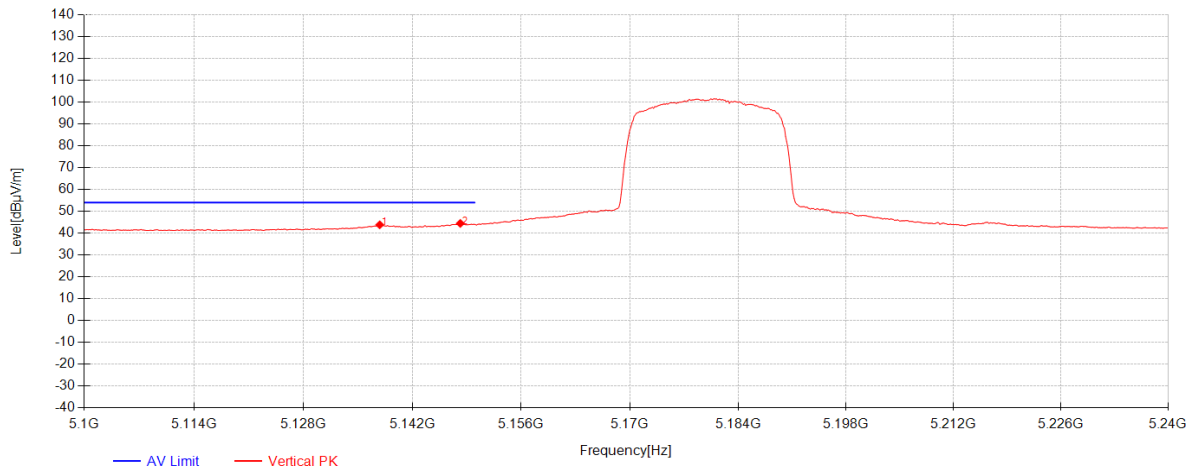
| Data List |                 |                |           |             |                |                |             |            |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|------------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity   |
| 1         | 5147.04         | 27.92          | 31.61     | -17.76      | 41.77          | 54.00          | 12.23       | Horizontal |
| 2         | 5149.56         | 28.15          | 31.62     | -17.76      | 42.01          | 54.00          | 11.99       | Horizontal |

## 11ax(HE20)\_TX\_CH\_36\_Veritical\_Peak



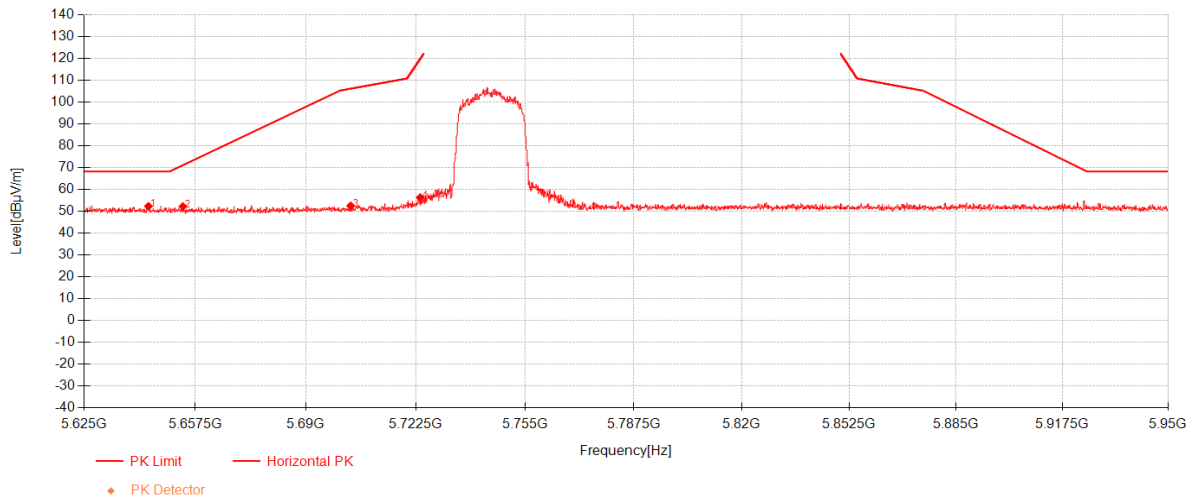
| Data List |                 |                |           |             |                |                |             |          |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|----------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity |
| 1         | 5144.8          | 44.41          | 31.61     | -17.76      | 58.25          | 74.00          | 15.75       | Vertical |
| 2         | 5147.74         | 44.99          | 31.61     | -17.76      | 58.84          | 74.00          | 15.16       | Vertical |

## 11ax(HE20)\_TX\_CH\_36\_Veritical\_Average



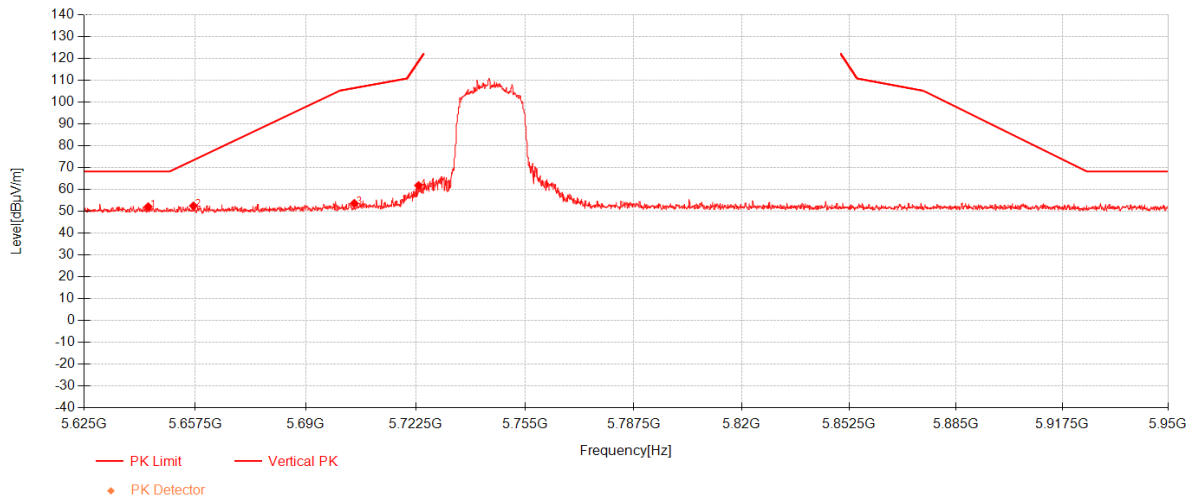
| Data List |                 |                |           |             |                |                |             |          |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|----------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity |
| 1         | 5137.8          | 30.01          | 31.59     | -17.78      | 43.82          | 54.00          | 10.18       | Vertical |
| 2         | 5148.16         | 30.60          | 31.61     | -17.76      | 44.46          | 54.00          | 9.54        | Vertical |

## 11ax(HE20)\_TX\_CH\_149\_Horizontal\_Peak



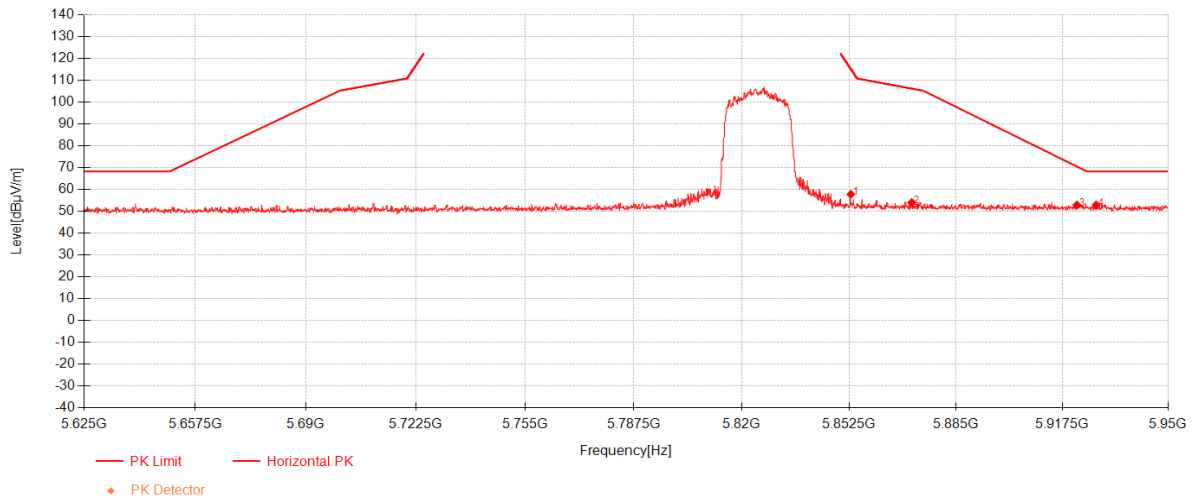
| Data List |                 |                |           |             |                |                |             |            |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|------------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity   |
| 1         | 5643.7688       | 39.14          | 32.66     | -19.46      | 52.34          | 68.30          | 15.96       | Horizontal |
| 2         | 5653.8438       | 39.02          | 32.66     | -19.46      | 52.22          | 71.16          | 18.94       | Horizontal |
| 3         | 5703.2438       | 39.30          | 32.68     | -19.45      | 52.53          | 106.21         | 53.68       | Horizontal |
| 4         | 5723.8          | 42.98          | 32.69     | -19.32      | 56.35          | 119.56         | 63.21       | Horizontal |

## 11ax(HE20)\_TX\_CH\_149\_Vetical\_Peak



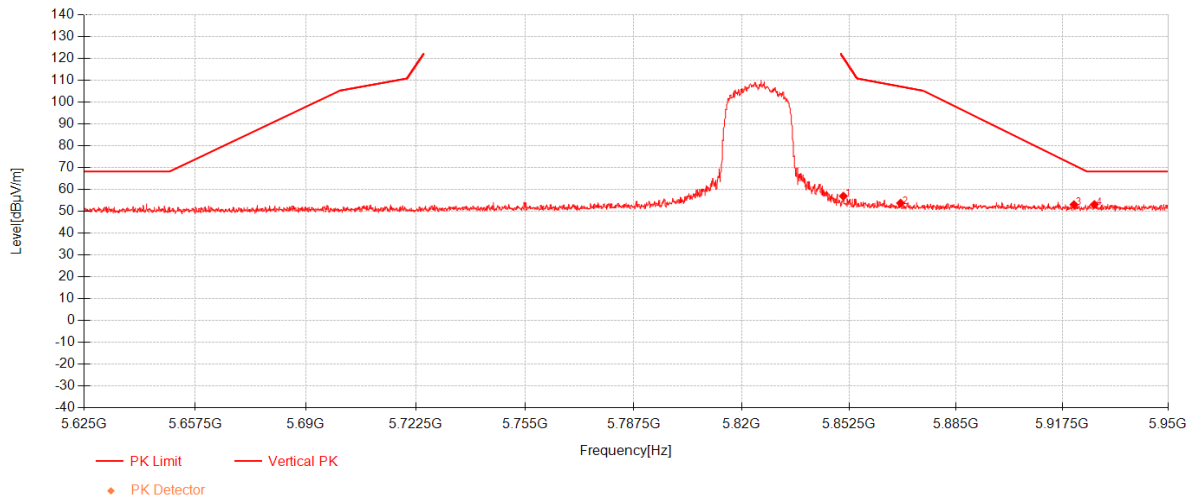
| Data List |                 |                |           |             |                |                |             |          |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|----------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity |
| 1         | 5643.6875       | 38.96          | 32.66     | -19.46      | 52.16          | 68.30          | 16.14       | Vertical |
| 2         | 5656.9312       | 39.32          | 32.66     | -19.46      | 52.52          | 73.45          | 20.93       | Vertical |
| 3         | 5704.3          | 40.43          | 32.68     | -19.44      | 53.67          | 106.51         | 52.84       | Vertical |
| 4         | 5723.3125       | 48.48          | 32.69     | -19.32      | 61.85          | 118.45         | 56.60       | Vertical |

## 11ax(HE20)\_TX\_CH\_165\_Horizontal\_Peak



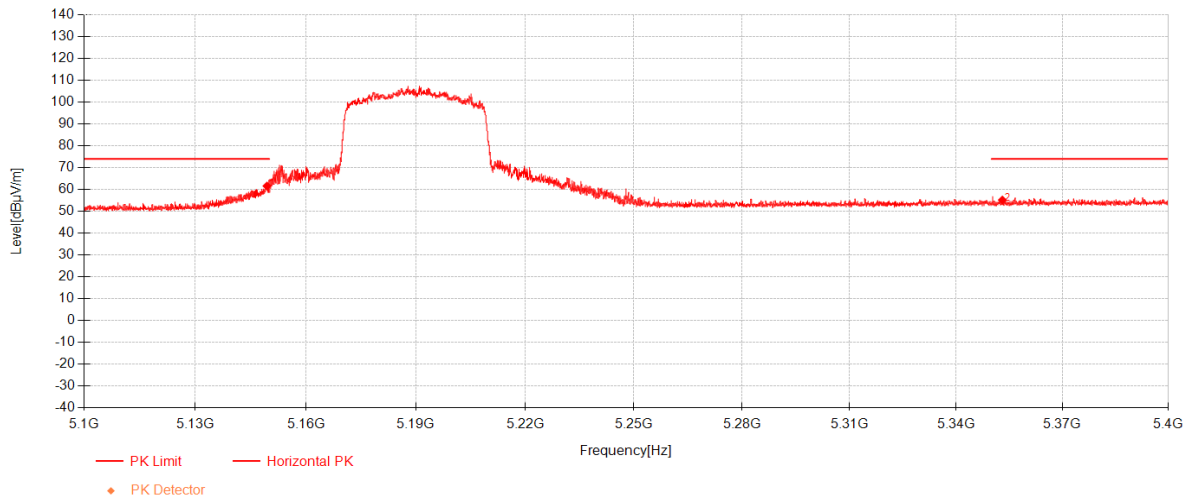
| Data List |                 |                |           |             |                |                |             |            |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|------------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity   |
| 1         | 5852.9875       | 43.89          | 32.74     | -18.81      | 57.82          | 115.49         | 57.67       | Horizontal |
| 2         | 5871.5125       | 40.08          | 32.75     | -18.80      | 54.03          | 106.28         | 52.25       | Horizontal |
| 3         | 5921.9688       | 39.11          | 32.77     | -18.94      | 52.94          | 70.53          | 17.59       | Horizontal |
| 4         | 5927.9          | 39.14          | 32.77     | -18.98      | 52.93          | 68.30          | 15.37       | Horizontal |

## 11ax(HE20)\_TX\_CH\_165\_Vetical\_Peak



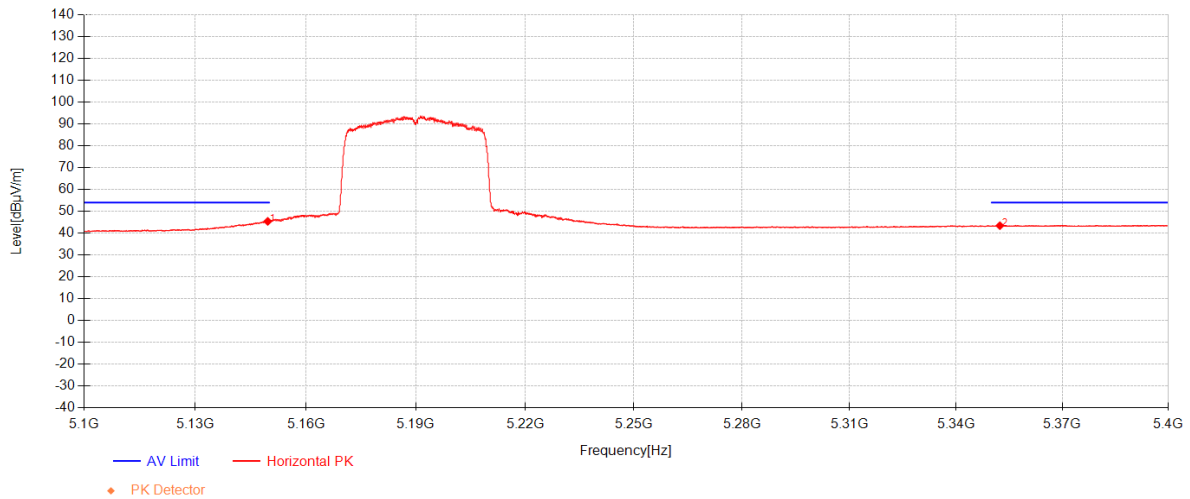
| Data List |                 |                |           |             |                |                |             |          |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|----------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity |
| 1         | 5850.7125       | 43.04          | 32.74     | -18.81      | 56.97          | 120.67         | 63.70       | Vertical |
| 2         | 5868.1          | 39.82          | 32.75     | -18.80      | 53.76          | 107.23         | 53.47       | Vertical |
| 3         | 5921.075        | 39.25          | 32.77     | -18.94      | 53.08          | 71.19          | 18.11       | Vertical |
| 4         | 5927.3312       | 39.36          | 32.77     | -18.98      | 53.15          | 68.30          | 15.15       | Vertical |

## 11ax(HE40)\_TX\_CH\_38\_Horizontal\_Peak



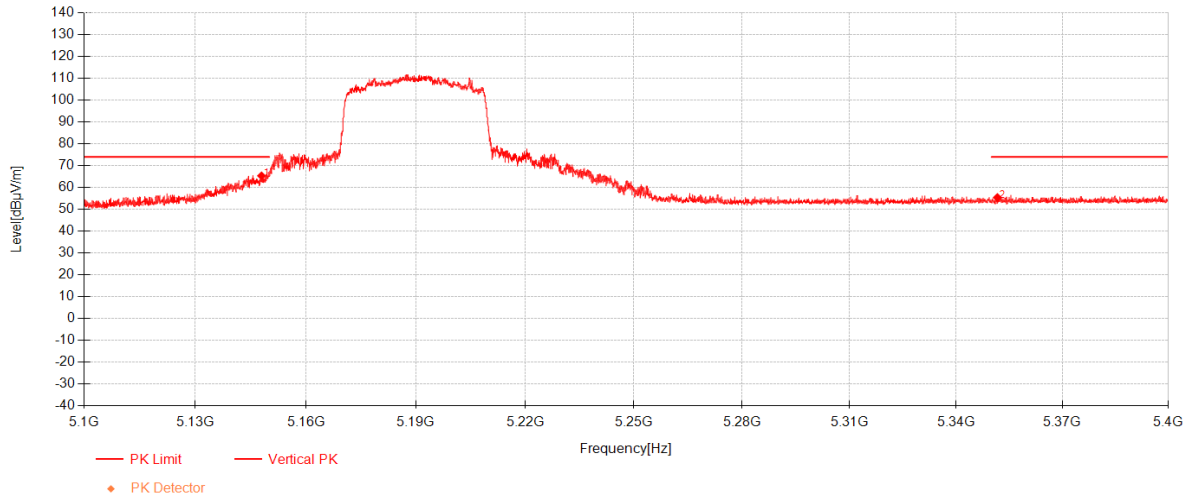
| Data List |                 |                |           |             |                |                |             |            |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|------------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity   |
| 1         | 5149.4          | 47.74          | 31.62     | -17.76      | 61.60          | 74.00          | 12.40       | Horizontal |
| 2         | 5353.03         | 39.93          | 32.19     | -16.91      | 55.20          | 74.00          | 18.80       | Horizontal |

## 11ax(HE40)\_TX\_CH\_38\_Horizontal\_Average



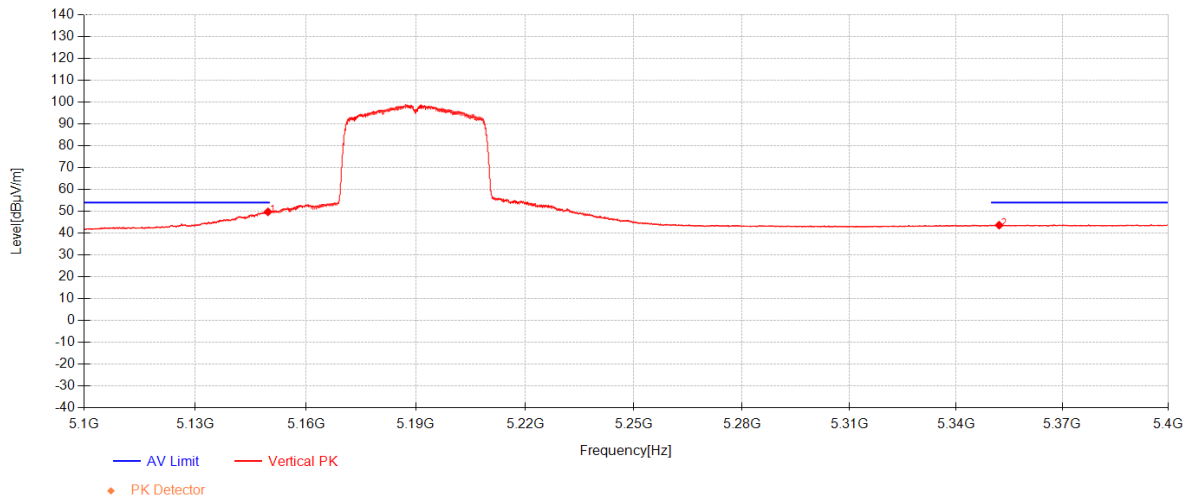
| Data List |                 |                |           |             |                |                |             |            |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|------------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity   |
| 1         | 5149.6          | 31.54          | 31.62     | -17.76      | 45.40          | 54.00          | 8.60        | Horizontal |
| 2         | 5352.33         | 28.15          | 32.19     | -16.92      | 43.42          | 54.00          | 10.58       | Horizontal |

## 11ax(HE40)\_TX\_CH\_38\_Veritical\_Peak



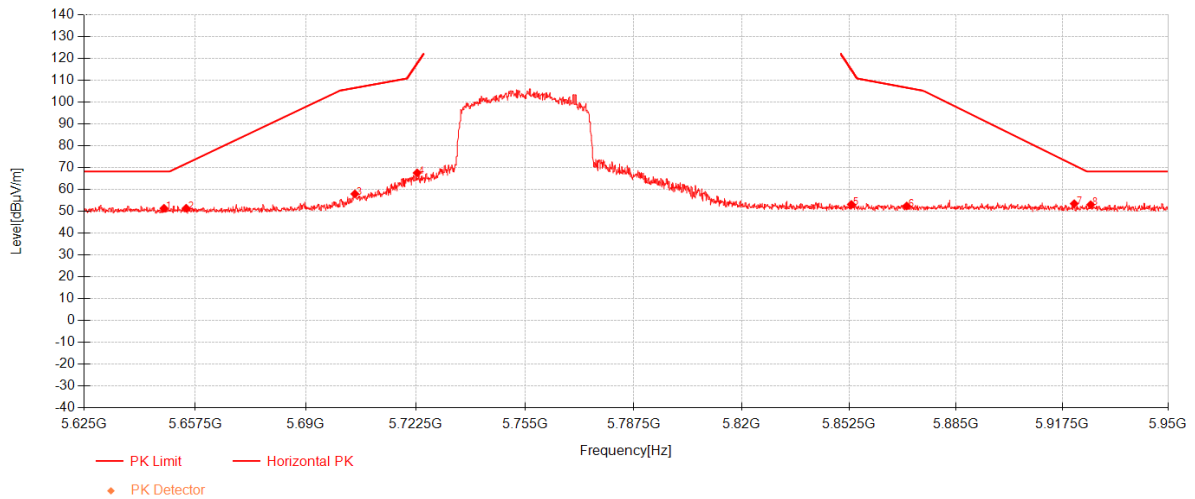
| Data List |                 |                |           |             |                |                |             |          |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|----------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity |
| 1         | 5147.92         | 51.50          | 31.61     | -17.76      | 65.36          | 74.00          | 8.64        | Vertical |
| 2         | 5351.63         | 40.17          | 32.18     | -16.92      | 55.43          | 74.00          | 18.57       | Vertical |

## 11ax(HE40)\_TX\_CH\_38\_Veritical\_Average



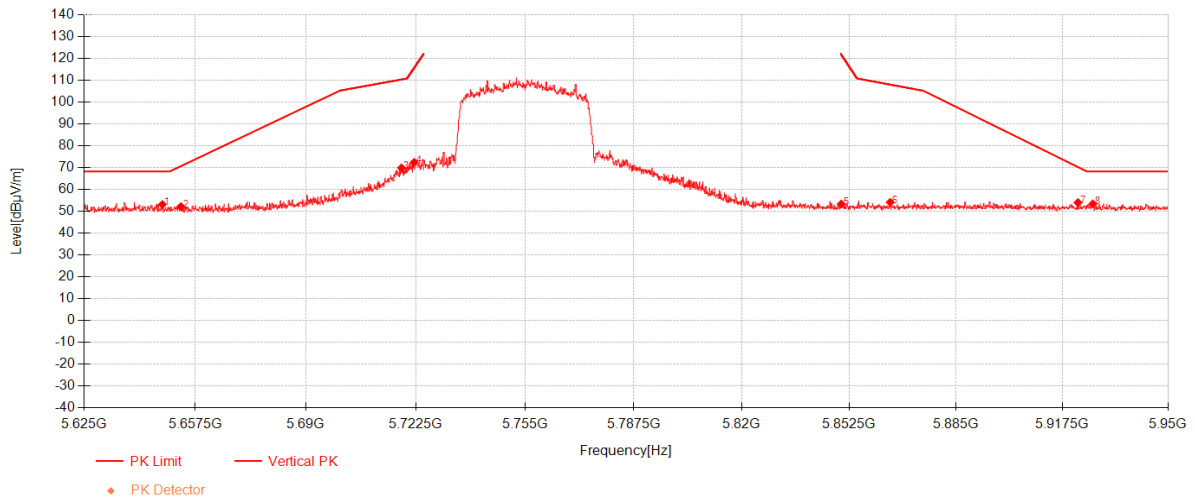
| Data List |                 |                |           |             |                |                |             |          |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|----------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity |
| 1         | 5149.68         | 35.91          | 31.62     | -17.76      | 49.77          | 54.00          | 4.23        | Vertical |
| 2         | 5352.12         | 28.39          | 32.19     | -16.92      | 43.66          | 54.00          | 10.34       | Vertical |

## 11ax(HE40)\_TX\_CH\_151\_Horizontal\_Peak



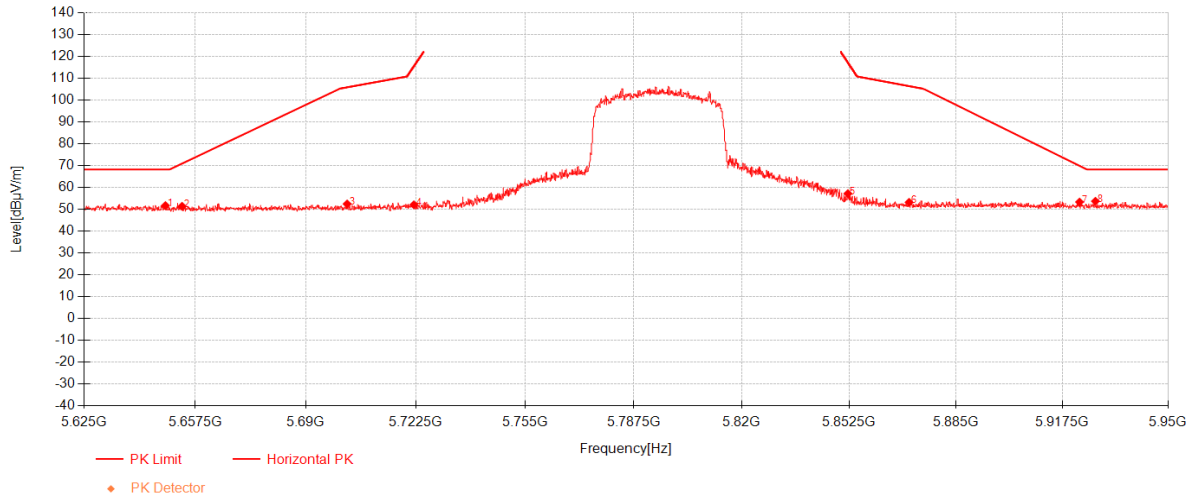
| Data List |                 |                |           |             |                |                |             |            |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|------------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity   |
| 1         | 5648.3188       | 38.18          | 32.66     | -19.46      | 51.38          | 68.30          | 16.92       | Horizontal |
| 2         | 5654.8188       | 38.22          | 32.66     | -19.46      | 51.42          | 71.88          | 20.46       | Horizontal |
| 3         | 5704.4625       | 44.76          | 32.68     | -19.44      | 58.00          | 106.55         | 48.55       | Horizontal |
| 4         | 5722.9062       | 54.25          | 32.69     | -19.32      | 67.62          | 117.53         | 49.91       | Horizontal |
| 5         | 5853.15         | 39.25          | 32.74     | -18.81      | 53.18          | 115.12         | 61.94       | Horizontal |
| 6         | 5869.9688       | 38.52          | 32.75     | -18.80      | 52.47          | 106.71         | 54.24       | Horizontal |
| 7         | 5921.1562       | 39.67          | 32.77     | -18.94      | 53.50          | 71.13          | 17.63       | Horizontal |
| 8         | 5926.1938       | 39.26          | 32.77     | -18.97      | 53.06          | 68.30          | 15.24       | Horizontal |

## 11ax(HE40)\_TX\_CH\_151\_Vetical\_Peak



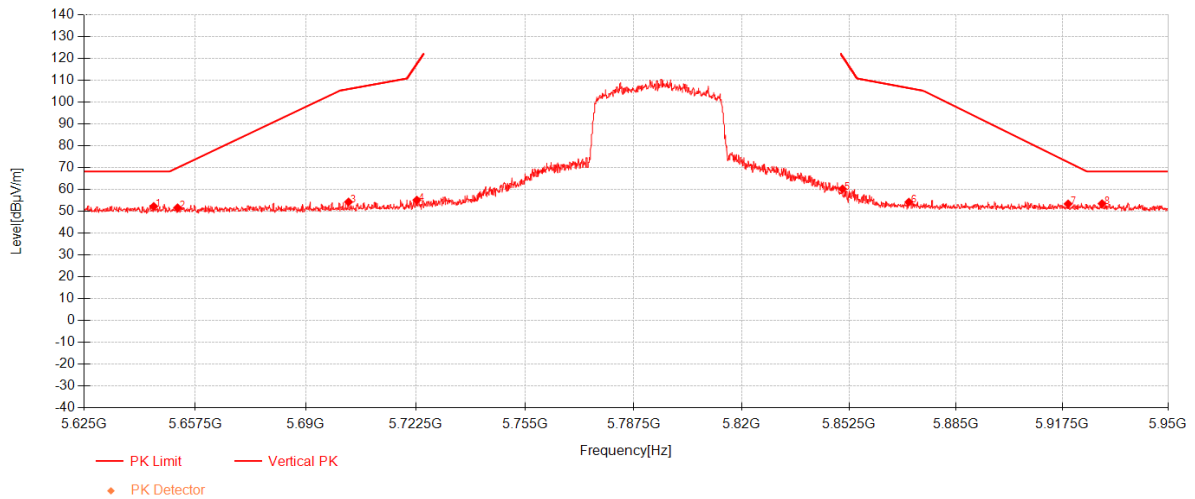
| Data List |                 |                |           |             |                |                |             |          |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|----------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity |
| 1         | 5647.8312       | 39.97          | 32.66     | -19.46      | 53.17          | 68.30          | 15.13       | Vertical |
| 2         | 5653.275        | 39.00          | 32.66     | -19.46      | 52.20          | 70.73          | 18.53       | Vertical |
| 3         | 5718.275        | 56.60          | 32.69     | -19.35      | 69.93          | 110.42         | 40.49       | Vertical |
| 4         | 5722.0125       | 59.11          | 32.69     | -19.33      | 72.47          | 115.49         | 43.02       | Vertical |
| 5         | 5850.0625       | 39.44          | 32.74     | -18.81      | 53.37          | 122.16         | 68.79       | Vertical |
| 6         | 5864.9312       | 40.20          | 32.75     | -18.80      | 54.14          | 108.12         | 53.98       | Vertical |
| 7         | 5922.2938       | 40.18          | 32.77     | -18.94      | 54.01          | 70.29          | 16.28       | Vertical |
| 8         | 5926.8438       | 39.61          | 32.77     | -18.98      | 53.41          | 68.30          | 14.89       | Vertical |

## 11ax(HE40)\_TX\_CH\_159\_Horizontal\_Peak



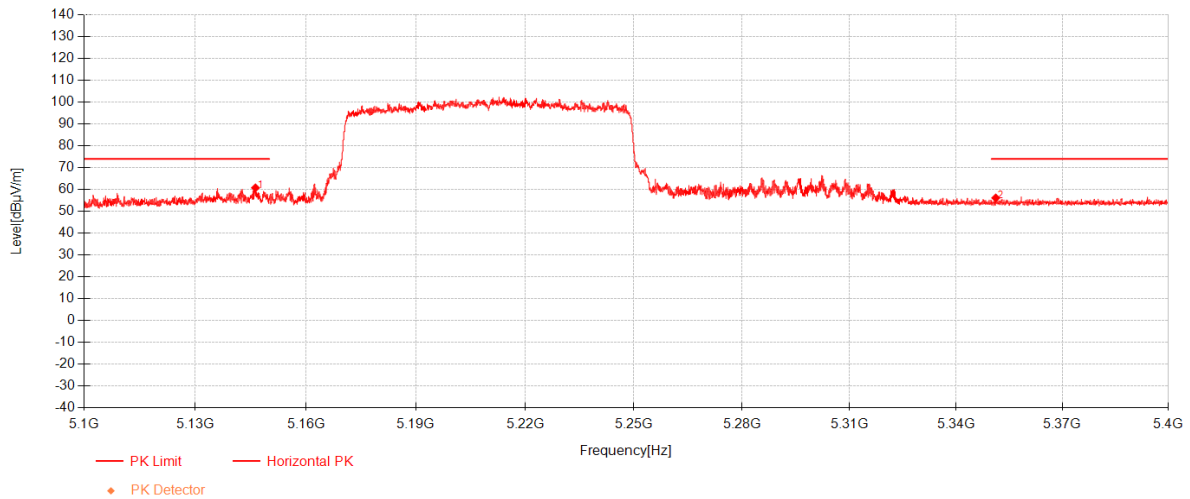
| Data List |                 |                |           |             |                |                |             |            |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|------------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity   |
| 1         | 5648.725        | 38.53          | 32.66     | -19.46      | 51.73          | 68.30          | 16.57       | Horizontal |
| 2         | 5653.6          | 38.22          | 32.66     | -19.46      | 51.42          | 70.97          | 19.55       | Horizontal |
| 3         | 5702.1875       | 39.25          | 32.68     | -19.46      | 52.47          | 105.91         | 53.44       | Horizontal |
| 4         | 5721.9312       | 38.73          | 32.69     | -19.33      | 52.09          | 115.30         | 63.21       | Horizontal |
| 5         | 5852.0938       | 43.29          | 32.74     | -18.81      | 57.22          | 117.53         | 60.31       | Horizontal |
| 6         | 5870.7          | 39.28          | 32.75     | -18.80      | 53.23          | 106.50         | 53.27       | Horizontal |
| 7         | 5922.7812       | 39.55          | 32.77     | -18.95      | 53.37          | 69.94          | 16.57       | Horizontal |
| 8         | 5927.6562       | 39.92          | 32.77     | -18.98      | 53.71          | 68.30          | 14.59       | Horizontal |

## 11ax(HE40)\_TX\_CH\_159\_Vetical\_Peak



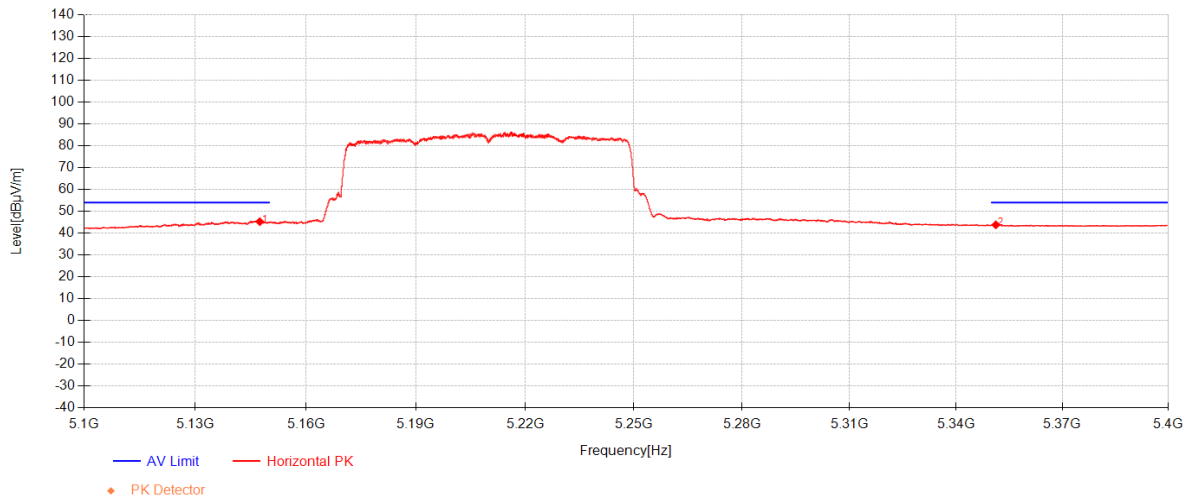
| Data List |                 |                |           |             |                |                |             |          |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|----------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity |
| 1         | 5645.3125       | 39.06          | 32.66     | -19.46      | 52.26          | 68.30          | 16.04       | Vertical |
| 2         | 5652.3          | 38.44          | 32.66     | -19.46      | 51.64          | 70.01          | 18.37       | Vertical |
| 3         | 5702.5938       | 41.07          | 32.68     | -19.45      | 54.30          | 106.03         | 51.73       | Vertical |
| 4         | 5722.825        | 41.79          | 32.69     | -19.32      | 55.16          | 117.34         | 62.18       | Vertical |
| 5         | 5850.4688       | 46.35          | 32.74     | -18.81      | 60.28          | 121.23         | 60.95       | Vertical |
| 6         | 5870.6188       | 40.29          | 32.75     | -18.80      | 54.24          | 106.53         | 52.29       | Vertical |
| 7         | 5919.2875       | 39.57          | 32.77     | -18.92      | 53.41          | 72.51          | 19.10       | Vertical |
| 8         | 5929.6875       | 39.75          | 32.77     | -18.99      | 53.53          | 68.30          | 14.77       | Vertical |

## 11ax(HE80)\_TX\_CH\_42\_Horizontal\_Peak



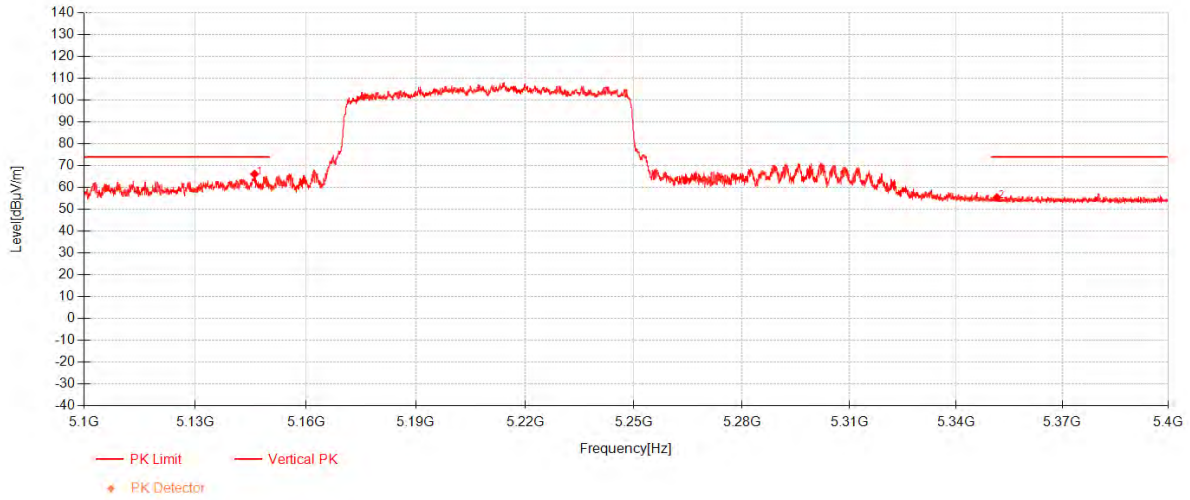
| Data List |                 |                |           |             |                |                |             |            |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|------------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity   |
| 1         | 5146.28         | 46.94          | 31.61     | -17.76      | 60.79          | 74.00          | 13.21       | Horizontal |
| 2         | 5351.175        | 40.89          | 32.18     | -16.92      | 56.15          | 74.00          | 17.85       | Horizontal |

## 11ax(HE80)\_TX\_CH\_42\_Horizontal\_Average



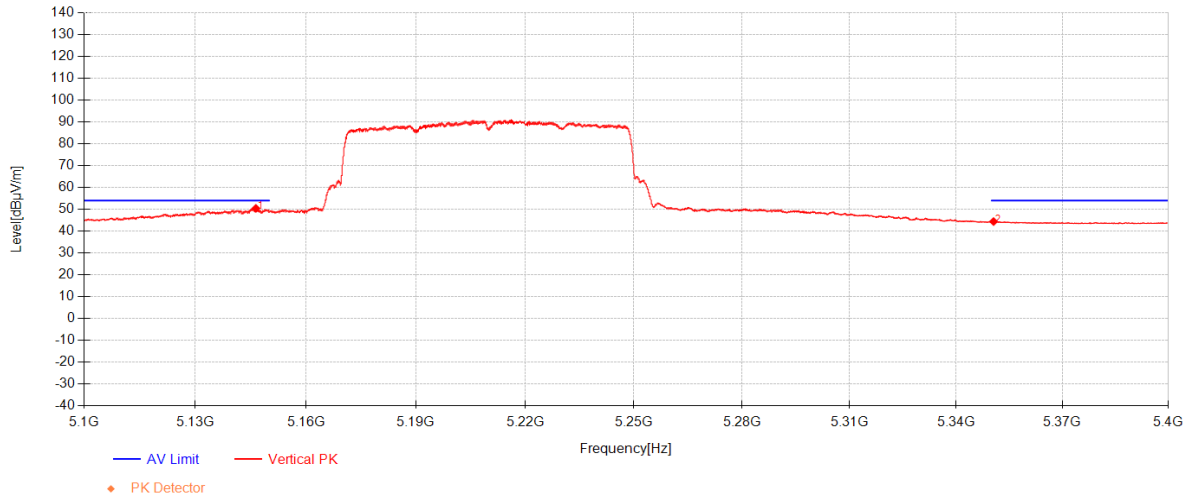
| Data List |                 |                |           |             |                |                |             |            |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|------------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity   |
| 1         | 5147.44         | 31.42          | 31.61     | -17.76      | 45.27          | 54.00          | 8.73        | Horizontal |
| 2         | 5351.175        | 28.54          | 32.18     | -16.92      | 43.80          | 54.00          | 10.20       | Horizontal |

## 11ax(HE80)\_TX\_CH\_42\_Vertical\_Peak



| Data List |                 |                |           |             |                |                |             |          |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|----------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity |
| 1         | 5146.04         | 52.31          | 31.61     | -17.76      | 66.16          | 74.00          | 7.84        | Vertical |
| 2         | 5351.49         | 40.14          | 32.18     | -16.92      | 55.40          | 74.00          | 18.60       | Vertical |

## 11ax(HE80)\_TX\_CH\_42\_Veritical\_Average



| Data List |                 |                |           |             |                |                |             |          |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|----------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity |
| 1         | 5146.4          | 36.58          | 31.61     | -17.76      | 50.43          | 54.00          | 3.57        | Vertical |
| 2         | 5350.545        | 29.16          | 32.18     | -16.93      | 44.41          | 54.00          | 9.59        | Vertical |