

|                                            |                                      |
|--------------------------------------------|--------------------------------------|
| <b>Product Name: AX1500 Wi-Fi 6 Router</b> | <b>Report No: FCC022022-03976RF2</b> |
| <b>Product Model: T262-T21D</b>            | <b>Security Classification: Open</b> |
| <b>Version: V1.0</b>                       | <b>Total Page: 965</b>               |

## TIRT Testing Report

|                     |                    |                     |  |
|---------------------|--------------------|---------------------|--|
| <b>Prepared By:</b> | <b>Checked By:</b> | <b>Approved By:</b> |  |
| Stone Tang          | Randy Lv           | Daniel Chen         |  |
| Stone Tang          | Randy Lv           | Daniel Chen         |  |

# RF TEST REPORT

**FCC ID: 2A22E-WWYLT262**

According to

**47 CFR FCC Part 15, Subpart E(Section 15.407)**

**ANSI C63.10:2013**

Equipment : AX1500 Wi-Fi 6 Router  
Model No. : T262-T21D, T262-T21X, T262-BXX, T262-PQX, (the last X=A-Z or a-z, which indicates for different appearance, dimension and color.)  
Trademark : N/A  
Product No. : 20220804012992  
Applicant : Micronet Union Technology(Chengdu) Co., Ltd  
Room 502, Building 5, N.O. 528, Yuefei Road, Shibantan Street, Xindu District, Chengdu, Sichuan, China

- The test result referred exclusively to the presented test model /sample.
- Without written approval of TIRT Inc. the test report shall not reproduced except in full.
- Receipt date: 2022.08.04
- Test date: 2022.08.06 ~ 2022.12.30
- Issue date: 2022.12.30

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# Table of Contents

|                                                    |           |
|----------------------------------------------------|-----------|
| <b>History of this test report.....</b>            | <b>5</b>  |
| <b>1. General Information .....</b>                | <b>6</b>  |
| 1.1 Applicant.....                                 | 6         |
| 1.2 Manufacturer.....                              | 6         |
| 1.3 Basic Description of Equipment Under Test..... | 6         |
| <b>2. Summary of Test Results .....</b>            | <b>8</b>  |
| 2.1 Summary of Test Items .....                    | 8         |
| 2.2 Application of Standard.....                   | 8         |
| 2.3 Test Instruments .....                         | 9         |
| 2.4 Operation Mode .....                           | 10        |
| 2.5 Test Condition .....                           | 10        |
| 2.6 Duty Cycle of Test Signal .....                | 11        |
| 2.7 Measurement Uncertainty.....                   | 21        |
| 2.8 Test Location.....                             | 21        |
| 2.9 Deviation from Standards .....                 | 21        |
| 2.10 Abnormalities from Standard Conditions.....   | 21        |
| <b>3. Test Procedure And Results .....</b>         | <b>22</b> |
| 3.1 AC Power Line Conducted Emission .....         | 22        |
| 3.1.1 Limit.....                                   | 22        |
| 3.1.2 Test Peripherals.....                        | 22        |
| 3.1.3 Test Procedure .....                         | 22        |
| 3.1.4 Test Setup .....                             | 23        |
| 3.1.5 Test Result .....                            | 24        |
| 3.2 Radiated Emission .....                        | 30        |
| 3.2.1 Limit.....                                   | 30        |
| 3.2.2 Test Peripherals.....                        | 31        |
| 3.2.3 Test Procedure .....                         | 31        |
| 3.2.4 Test Setup .....                             | 33        |
| 3.2.5 Test Result .....                            | 34        |
| 3.3 Spectrum Bandwidth.....                        | 312       |

|            |                                                               |            |
|------------|---------------------------------------------------------------|------------|
| 3.3.1      | Limit.....                                                    | 312        |
| 3.3.2      | Test Peripherals.....                                         | 312        |
| 3.3.3      | Test Procedure .....                                          | 312        |
| 3.3.4      | Test Setup .....                                              | 313        |
| 3.3.5      | Test Result .....                                             | 314        |
| <b>3.4</b> | <b>Conducted Output Power.....</b>                            | <b>516</b> |
| 3.4.1      | Limit.....                                                    | 516        |
| 3.4.2      | Test Peripherals.....                                         | 516        |
| 3.4.3      | Test Procedure .....                                          | 516        |
| 3.4.4      | Test Setup .....                                              | 517        |
| 3.4.5      | Table of Parameters of Text Software Setting.....             | 517        |
| 3.4.6      | The Result.....                                               | 518        |
| <b>3.5</b> | <b>Power Spectral Density.....</b>                            | <b>531</b> |
| 3.5.1      | Limit.....                                                    | 531        |
| 3.5.2      | Test Peripherals.....                                         | 531        |
| 3.5.3      | Test Procedure .....                                          | 531        |
| 3.5.4      | Test Setup .....                                              | 532        |
| 3.5.5      | The Result.....                                               | 533        |
| <b>3.6</b> | <b>Dynamic Frequency Selection (DFS).....</b>                 | <b>625</b> |
| 3.6.1      | DFS Overview .....                                            | 625        |
| 3.6.2      | Working modes and required test items .....                   | 625        |
| 3.6.3      | Test limits and radar signal parameters.....                  | 626        |
| 3.6.4      | Overview Of EUT With Respect To 15.407(H) Requirements. ....  | 628        |
| 3.6.5      | Test Peripherals.....                                         | 628        |
| 3.6.6      | Test Procedure .....                                          | 628        |
| 3.6.7      | Calibration of DFS detection threshold level .....            | 629        |
| 3.6.8      | Test Setup .....                                              | 630        |
| 3.6.9      | Test Result .....                                             | 631        |
| 3.6.9.1    | DFS Detection Threshold .....                                 | 631        |
| 3.6.9.2    | Radar Test Waveforms.....                                     | 653        |
| 3.6.9.3    | Channel Availability Check Time .....                         | 928        |
| 3.6.9.4    | Channel Move Time and Channel Closing Transmission Time ..... | 937        |
| 3.6.9.5    | Statistical Performance check.....                            | 944        |
| 3.6.9.6    | Non-Occupancy Period .....                                    | 956        |
| 3.6.9.7    | U-NII Detection Bandwidth.....                                | 959        |

## History of this test report

Original Report Issue Date: 2022.12.30

- ☒ No additional attachment
- ☐ Additional attachments were issued following record

| Attachment No. | Issue Date | Description |
|----------------|------------|-------------|
|                |            |             |
|                |            |             |
|                |            |             |
|                |            |             |
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|                |            |             |
|                |            |             |
|                |            |             |
|                |            |             |
|                |            |             |

## 1. General Information

### 1.1 Applicant

#### Micronet Union Technology(Chengdu) Co., Ltd

Room 502, Building 5, N.O. 528, Yuefei Road, Shibantan Street, Xindu District, Chengdu, Sichuan, China

### 1.2 Manufacturer

#### Micronet Union Technology(Chengdu) Co., Ltd

Room 502, Building 5, N.O. 528, Yuefei Road, Shibantan Street, Xindu District, Chengdu, Sichuan, China

### 1.3 Basic Description of Equipment Under Test

|                       |                                                                                                                                                                                                                    |                                                              |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|
| Equipment Name        | AX1500 Wi-Fi 6 Router                                                                                                                                                                                              |                                                              |
| Model Number          | T262-T21D, T262-T21X, T262-BXX, T262-PQX, (the last X=A-Z or a-z, which indicates for different appearance, dimension and color.)                                                                                  |                                                              |
| Trademark             | N/A                                                                                                                                                                                                                |                                                              |
| Power Supply          | 100V~240V,50/60Hz                                                                                                                                                                                                  |                                                              |
| Adapter1 information  | Model: RD1201000-C55-35MGD<br>Input: 100-240V~, 50/60Hz 0.6A<br>Output: 12V1.0A                                                                                                                                    |                                                              |
| Adapter2 information  | Model: MAUS-12010001202<br>Input: 100-240V~, 50/60Hz 0.35A<br>Output: 12V1.0A                                                                                                                                      |                                                              |
| Adapter3 information  | Model: DYS12100CF-U<br>Input: 100-240V~, 50/60Hz 0.3A<br>Output: 12V1.0A                                                                                                                                           |                                                              |
| Operating Temperature | 0℃-45℃                                                                                                                                                                                                             |                                                              |
| EUT Stage             | <input type="radio"/> Product Unit                                                                                                                                                                                 | <input checked="" type="radio"/> Final-Sample                |
| Operating Band        | 5150MHz ~5350MHz                                                                                                                                                                                                   | <input checked="" type="radio"/> IEEE 802.11a/n/ac/ax(20MHz) |
|                       | 5470MHz ~5725MHz                                                                                                                                                                                                   | <input checked="" type="radio"/> IEEE 802.11n/ac/ax(40MHz)   |
|                       | 5725MHz ~5850MHz                                                                                                                                                                                                   | <input checked="" type="radio"/> IEEE 802.11ac/ax(80MHz)     |
| Product Type          | IEEE 802.11a: WLAN (1TX, 1RX)<br>IEEE 802.11n: WLAN (2TX, 2RX)<br>IEEE 802.11ac: WLAN (2TX, 2RX)<br>IEEE 802.11ax: WLAN (2TX, 2RX)                                                                                 |                                                              |
| Nominal Bandwidth     | 20MHz / 40MHz / 80MHz                                                                                                                                                                                              |                                                              |
| Modulation            | IEEE 802.11a: OFDM (BPSK / QPSK / 16QAM / 64QAM)<br>IEEE 802.11n: (BPSK / QPSK / 16QAM / 64QAM)<br>IEEE 802.11ac: (BPSK / QPSK / 16QAM / 64QAM / 256QAM)<br>IEEE 802.11ax: (BPSK/ QPSK/16QAM/64QAM/256QAM/1024QAM) |                                                              |

|                      |                                                                                                                                         |                  |                                  |                     |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------|------------------|----------------------------------|---------------------|
| Data Rate (Mbps)     | IEEE 11a mode : OFDM (6/9/12/18/24/36/48/54)<br>IEEE 11n mode : MCS0~MCS15<br>IEEE 11ac mode : MCS0~MCS9<br>IEEE 11ax mode : MCS0~MCS11 |                  |                                  |                     |
| Type of Device       | Master device                                                                                                                           |                  |                                  |                     |
| TPC Function         | <input type="radio"/>                                                                                                                   | With TPC         | <input checked="" type="radio"/> | Without TPC         |
| Beamforming Function | <input checked="" type="radio"/>                                                                                                        | With Beamforming | <input type="radio"/>            | Without Beamforming |
| DFS Function         | <input checked="" type="radio"/>                                                                                                        | 5250MHz ~5350MHz |                                  |                     |
| (Master devices)     | <input checked="" type="radio"/>                                                                                                        | 5470MHz ~5725MHz |                                  |                     |

### Model Difference Description

They have the same circuit and the only difference is antenna and appearance, please refer to APPENDIX 2\_EUT Internal Photos, EUT1, EUT4 and EUT5 have the identical antenna, EUT2 and EUT3 have the identical antenna.

### Antenna information

| EUT                 | Antenna gain                  | Antenna Type     |
|---------------------|-------------------------------|------------------|
| EUT1, EUT4 and EUT5 | Ant1: 5.20dBi, Ant2: 5.26dBi, | External antenna |
| EUT2 and EUT3       | Ant1: 4.88dBi, Ant2: 6.66dBi, | Integral antenna |

| Channel Information   |                               |                     |                |
|-----------------------|-------------------------------|---------------------|----------------|
| Frequency Range (MHz) | IEEE Std. 802.11              | Ch. Frequency (MHz) | Channel Number |
| 5150-5250             | 802.11a /n /ac /ax<br>(20MHz) | 5180-5240           | 36-48          |
| 5250-5350             |                               | 5260-5320           | 52-64          |
| 5470-5725             |                               | 5500-5700           | 100-140        |
| 5725-5850             |                               | 5745-5825           | 149-165        |
| 5150-5250             | 802.11n /ac /ax<br>(40MHz)    | 5190-5230           | 38-46          |
| 5250-5350             |                               | 5270-5310           | 54-62          |
| 5470-5725             |                               | 5510-5670           | 102-134        |
| 5725-5850             |                               | 5755-5795           | 151-159        |
| 5150-5250             | 802.11ac /ax<br>(80MHz)       | 5210                | 42             |
| 5250-5350             |                               | 5290                | 58             |
| 5470-5725             |                               | 5530-5610           | 106-122        |
| 5725-5850             |                               | 5775                | 155            |

Note: For 802.11ax mode only support full RU mode.

## 2. Summary of Test Results

### 2.1 Summary of Test Items

| 47 CFR FCC Part 15, Subpart E                                                                                                                                                                                                                             |                                     |            |                                   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|------------|-----------------------------------|
| Test item                                                                                                                                                                                                                                                 | FCC Clause                          | Results    | Remarks                           |
| AC Power Conducted Emission                                                                                                                                                                                                                               | 15.207<br>15.407(b)                 | Pass       | Meet the requirement of the limit |
| Radiated Emission                                                                                                                                                                                                                                         | 15.205(a)<br>15.209(a)<br>15.407(b) | Pass       | Meet the requirement of the limit |
| Antenna Requirements                                                                                                                                                                                                                                      | 15.203                              | Compliance | Note2                             |
| Transmission in the Absence of Data                                                                                                                                                                                                                       | 15.407 (c)                          | Pass       | NA                                |
| Spectrum Bandwidth                                                                                                                                                                                                                                        | 15.407(a)<br>15.407(e)              | Pass       | Meet the requirement of the limit |
| Conducted Power                                                                                                                                                                                                                                           | 15.407(a)                           | Pass       | Meet the requirement of the limit |
| Power Spectral Density                                                                                                                                                                                                                                    | 15.407(a)                           | Pass       | Meet the requirement of the limit |
| Dynamic Frequency Selection                                                                                                                                                                                                                               | 15.407(h)                           | Pass       | Meet the requirement of the limit |
| <p>Note: 1. NA denotes Not Applicable in this part.</p> <p>2. The EUT1, EUT4 and EUT5 have 2 external antennas arrangement which was permanently attached;<br/>The EUT2 and EUT3 have 2 Internal antennas arrangement which was permanently attached.</p> |                                     |            |                                   |

### 2.2 Application of Standard

47 CFR FCC Part 15, Subpart E

KDB 662911 D01 Multiple Transmitter Output v02r01

KDB 789033 D02 General UNII Test Procedures New Rules v02r01

KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02

ANSI C63.10:2013

## 2.3 Test Instruments

| No. | Equipment              | Manufacturer  | Type No.                | Serial No.      | Calibrated until |
|-----|------------------------|---------------|-------------------------|-----------------|------------------|
| 1   | EMI Receiver           | Rohde&Schwarz | ESCI                    | 1166.5950.03    | 2023/11/09       |
| 2   | AMN                    | Rohde&Schwarz | ENV216                  | 3560.6550.05    | 2023/11/09       |
| 3   | AMN                    | Schwarzbeck   | NSLK8127                | #829            | 2023/11/09       |
| 4   | ECSI RF IN RF Cable    | Rohde&Schwarz | RP-X1                   | N/A             | 2023/11/09       |
| 5   | ECSI RF IN RF Cable    | Rohde&Schwarz | Sapre sm                | N/A             | 2023/11/09       |
| 6   | EMI Receiver           | Rohde&Schwarz | ESR7                    | 102013          | 2023/11/09       |
| 7   | Spectrum analyzer      | Rohde&Schwarz | FSV30                   | 103741          | 2023/11/09       |
| 8   | Spectrum analyzer      | KEYSIGHT      | N9010A-44               | MY51440158      | 2023/11/09       |
| 9   | Integral Antenna       | Schwarzbeck   | VULB 9163               | VULB 9163-361   | 2023/11/20       |
| 10  | Integral Antenna       | Schwarzbeck   | BBHA 9120D              | BBHA 9120D 1201 | 2023/11/20       |
| 11  | Integral Antenna       | Schwarzbeck   | BBHA 9170               | 9170#685        | 2023/11/20       |
| 12  | Preamplifier           | Schwarzbeck   | BBV9745                 | #78             | 2023/11/09       |
| 13  | Preamplifier           | Schwarzbeck   | BBV9721                 | 9721-019        | 2023/11/09       |
| 14  | Preamplifier           | RF System/UK  | TRLA-010180G50B         | 22062101        | 2023/07/20       |
| 15  | ECSI RF IN RF Cable    | Rohde&Schwarz | AP-X1                   | N/A             | 2023/11/09       |
| 16  | ECSI RF IN RF Cable    | HAOXUN        | Z-108                   | N/A             | 2023/11/09       |
| 17  | RF Cable               | ZDECL         | ZT40-2.92J-2.92J-6<br>M | 18124358        | 2023/07/20       |
| 18  | Spectrum Analyzer      | Agilent       | N9010A                  | MY51440158      | 2023/11/09       |
| 19  | Spectrum Analyzer      | Agilent       | N9010A                  | MY52221119      | 2023/11/09       |
| 20  | Temp&Humidity Recorder | Anymetre      | JR900                   | N/A             | 2023/11/03       |
| 21  | Temp&Humidity Chamber  | ETOMA         | NTH1100-30A             | 16080628        | 2023/11/03       |
| 22  | Filter                 | STI           | STI15-9845              | N/A             | N/A              |
| 23  | Filter                 | STI           | 5.1G                    | N/A             | N/A              |
| 24  | Filter                 | STI           | STI15-9845              | N/A             | N/A              |
| 25  | Testing Software       | EZ-EMC        | TW-03A2                 | N/A             | N/A              |
| 26  | Power Collection Unit  | Tonscend      | JS0806-2                | 188060134       | 2023/09/13       |
| 27  | Tonscend Test System   | Tonscend      | 2.6.77.0518             | NA              | NA               |
| 28  | MXA Signal Analyzer    | Keysight      | N9021B                  | MY60080169      | 2023/05/03       |
| 29  | VXG Signal Generator   | Keysight      | M9384B                  | MY61270787      | 2023/05/03       |
| 30  | PC                     | Lenovo        | 510S-07IAB              | NA              | PC               |

## 2.4 Operation Mode

The EUT was supplied by and it was run in TX mode that was controlled by Master provided RF testing program. The worst case test result was showed in the report.

## 2.5 Test Condition

| Applicable to                     | Environmental conditions | Input Power | Tested by  |
|-----------------------------------|--------------------------|-------------|------------|
| AC Power Conducted Emission       | 24.6°C, 56 % RH          | 120V AC     | Stone Tang |
| Radiated Emission                 | 24.2°C, 55 % RH          | 120V AC     | Stone Tang |
| Spectrum Bandwidth                | 24.6°C, 55 % RH          | 120V AC     | Stone Tang |
| Conducted Power                   | 24.7°C, 56 % RH          | 120V AC     | Stone Tang |
| Power Spectral Density            | 24.6°C, 56 % RH          | 120V AC     | Stone Tang |
| Frequency Stability               | 20.0°C, 56 % RH          | 120V AC     | Stone Tang |
| Dynamic Frequency Selection (DFS) | 24.3°C, 55 % RH          | 120V AC     | Stone Tang |

The applicant declare the operating environment of EUT as below:

Normal conditions: 120V AC, 15~35°C

## 2.6 Duty Cycle of Test Signal

If duty cycle is  $\geq 98\%$ , duty factor is not required.

If duty cycle is  $< 98\%$ , duty factor shall be considered.

All the duty factor of other test mode have been considered.

| Test Mode  | Antenna | Frequency[MHz] | Transmission Duration [ms] | Transmission Period [ms] | Duty Cycle [%] | Duty factor |
|------------|---------|----------------|----------------------------|--------------------------|----------------|-------------|
| 11A        | Ant1    | 5180           | 1.36                       | 3.86                     | 35.23          | 4.53        |
| 11A        | Ant2    | 5180           | 1.36                       | 3.86                     | 35.23          | 4.53        |
| 11N20MIMO  | Ant1    | 5180           | 1.15                       | 3.65                     | 31.51          | 5.02        |
| 11N20MIMO  | Ant2    | 5180           | 1.15                       | 3.65                     | 31.51          | 5.02        |
| 11N40MIMO  | Ant1    | 5190           | 0.57                       | 3.08                     | 18.51          | 7.33        |
| 11N40MIMO  | Ant2    | 5190           | 0.57                       | 3.08                     | 18.51          | 7.33        |
| 11AC20MIMO | Ant1    | 5180           | 1.16                       | 3.66                     | 31.69          | 4.99        |
| 11AC20MIMO | Ant2    | 5180           | 1.15                       | 3.65                     | 31.51          | 5.02        |
| 11AC40MIMO | Ant1    | 5190           | 0.58                       | 3.08                     | 18.83          | 7.25        |
| 11AC40MIMO | Ant2    | 5190           | 0.58                       | 3.08                     | 18.83          | 7.25        |
| 11AC80MIMO | Ant1    | 5210           | 0.29                       | 2.79                     | 10.39          | 9.83        |
| 11AC80MIMO | Ant2    | 5210           | 0.29                       | 2.80                     | 10.36          | 9.85        |
| 11AX20MIMO | Ant1    | 5180           | 0.99                       | 3.49                     | 28.37          | 5.47        |
| 11AX20MIMO | Ant2    | 5180           | 0.99                       | 3.49                     | 28.37          | 5.47        |
| 11AX40MIMO | Ant1    | 5190           | 0.52                       | 3.03                     | 17.16          | 7.65        |
| 11AX40MIMO | Ant2    | 5190           | 0.52                       | 3.02                     | 17.22          | 7.64        |
| 11AX80MIMO | Ant1    | 5210           | 0.28                       | 2.79                     | 10.04          | 9.98        |
| 11AX80MIMO | Ant2    | 5210           | 0.28                       | 2.79                     | 10.04          | 9.98        |

11A\_Ant1\_5180



11A\_Ant2\_5180



11N20MIMO\_Ant1\_5180



11N20MIMO\_Ant2\_5180



## 11N40MIMO\_Ant1\_5190



## 11N40MIMO\_Ant2\_5190



11AC20MIMO Ant1 5180



11AC20MIMO Ant2 5180





11AC80MIMO\_Ant1\_5210



11AC80MIMO\_Ant2\_5210



11AX20MIMO\_Ant1\_5180



11AX20MIMO\_Ant2\_5180



## 11AX40MIMO\_Ant1\_5190



## 11AX40MIMO\_Ant2\_5190



## 11AX80MIMO\_Ant1\_5210



## 11AX80MIMO\_Ant2\_5210



## 2.7 Measurement Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT.

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of  $k=2$ .

| Uncertainty                               |                           |
|-------------------------------------------|---------------------------|
| Parameter                                 | Uncertainty               |
| Occupied Channel Bandwidth                | $\pm 142.12\text{kHz}$    |
| RF power conducted                        | $\pm 0.74\text{dB}$       |
| RF power radiated                         | $\pm 3.25\text{dB}$       |
| Spurious emissions, conducted             | $\pm 1.78\text{dB}$       |
| Spurious emissions, radiated (9KHz~30MHz) | $\pm 2.56\text{dB}$       |
| Spurious emissions, radiated (30MHz~1GHz) | $\pm 4.6\text{dB}$        |
| Spurious emissions, radiated (Above 1GHz) | $\pm 4.9\text{dB}$        |
| Conduction Emissions(150kHz~30MHz)        | $\pm 3.1\text{dB}$        |
| Humidity                                  | $\pm 4.6\%$               |
| Temperature                               | $\pm 0.7^{\circ}\text{C}$ |
| Time                                      | $\pm 1.25\%$              |

## 2.8 Test Location

|                               |                                                                                                                    |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------|
| Company:                      | Beijing TIRT Technology Service Co.,Ltd Shenzhen                                                                   |
| Address:                      | 101, 3 # Factory Building, Gongjin Electronics Shatin Community, Kengzi Street, Pingshan District, Shenzhen, China |
| CNAS Registration Number:     | CNAS L14158                                                                                                        |
| A2LA Registration Number      | 6049.01                                                                                                            |
| FCC Designation Number        | CN1309                                                                                                             |
| Test Firm Registration Number | 825524                                                                                                             |
| Telephone:                    | +86-0755-27087573                                                                                                  |

## 2.9 Deviation from Standards

None

## 2.10 Abnormalities from Standard Conditions

None

### 3. Test Procedure And Results

#### 3.1 AC Power Line Conducted Emission

##### 3.1.1 Limit

| Frequency       | Maximum RF Line Voltage    |                         |
|-----------------|----------------------------|-------------------------|
|                 | Quasi-Peak Level<br>dB(μV) | Average Level<br>dB(μV) |
| 150kHz ~ 500kHz | 66 ~ 56*                   | 56 ~ 46*                |
| 500kHz ~ 5MHz   | 56                         | 46                      |
| 5MHz ~ 30MHz    | 60                         | 50                      |

Notes: 1. \* Decreasing linearly with logarithm of frequency.

2. The lower limit shall apply at the transition frequencies.

##### 3.1.2 Test Peripherals

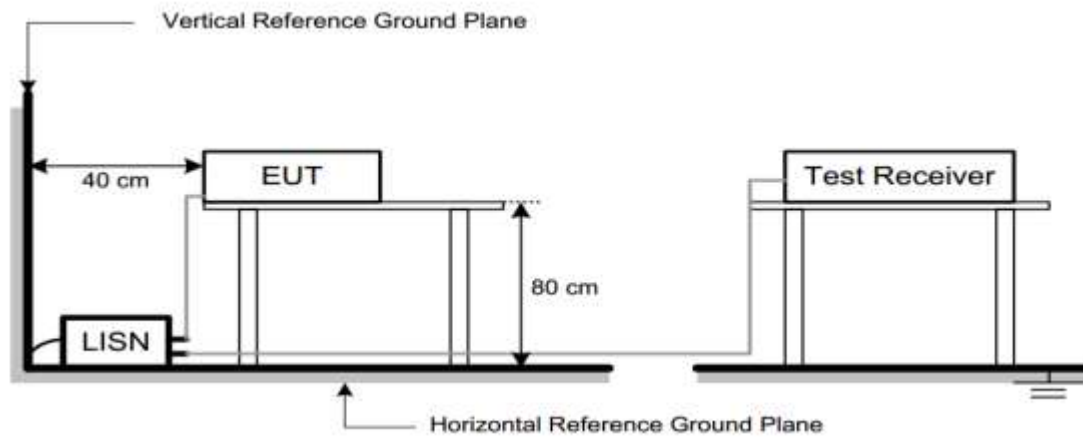
| Support Equipment |            |            |            |         |
|-------------------|------------|------------|------------|---------|
| No.               | Equipment  | Brand Name | Model Name | Remarks |
| 1                 | Record PC  | Lenovo     | M4500T     | NA      |
| 2                 | Control PC | Lenovo     | M4500T     | NA      |

##### 3.1.3 Test Procedure

| Test Method                                              |                                                  |
|----------------------------------------------------------|--------------------------------------------------|
| <input checked="" type="radio"/> Conducted Measurement   | <input type="radio"/> Radiated Measurement       |
| Test Channels                                            |                                                  |
| <input type="radio"/> Lowest, Middle and Highest Channel | <input type="radio"/> Lowest and Highest Channel |
| Environmental conditions                                 |                                                  |
| <input checked="" type="radio"/> Normal                  | <input type="radio"/> Normal and Extreme         |
| Note: ● : Test    ○ : No Test                            |                                                  |

- The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling impedance for the measuring instrument.
- Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
- The frequency range from 150kHz to 30MHz was searched. Emission levels under (Limit - 20dB) was not recorded.

### 3.1.4 Test Setup



### 3.1.5 Test Result

#### Note:

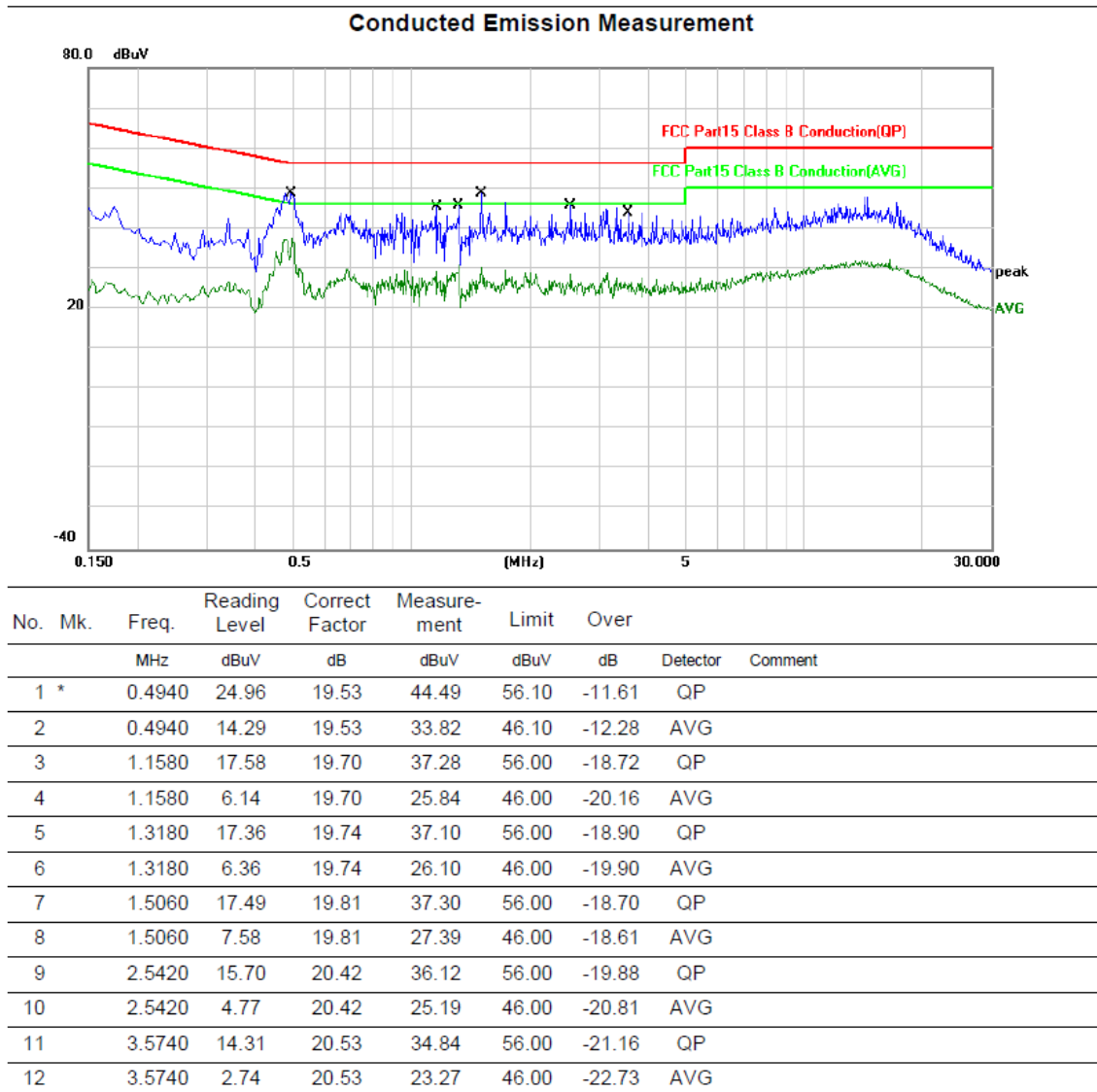
1. Correct Factor = LISN Factor + Cable Loss + Pulse Limiter Factor, the value was added to Original Receiver Reading by the software automatically.
2. Measurement = Reading + Correct Factor.
3. Over = Measurement – Limit
4. Four samples and three adapters were pre-scanned and the worst results were recorded as follows
5. Simultaneous transmitting: 2.4G Wifi transmitting + 5G Wifi transmitting

For adapter 1

Note: This adapter has been tested the conducted emission with five EUTs separately. We only recorded the data of the worst mode is EUT1. Please see the following:

|              |                                                      |
|--------------|------------------------------------------------------|
| 150kHz~30MHz | Worst Case Operating Mode: Simultaneous transmitting |
|--------------|------------------------------------------------------|

Line

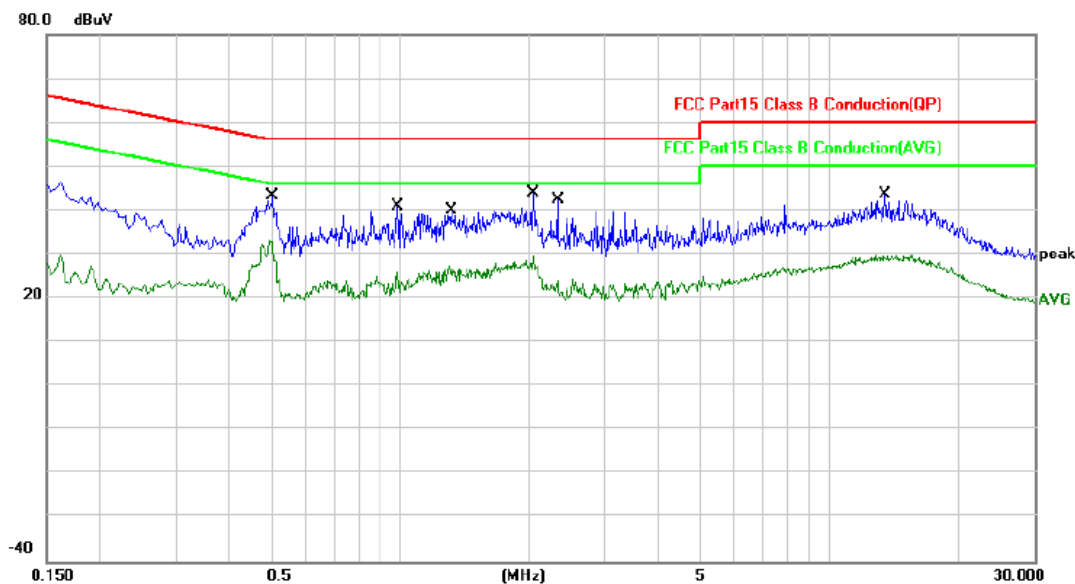


150kHz~30MHz

Worst Case Operating Mode: Simultaneous transmitting

Neutral

### Conducted Emission Measurement



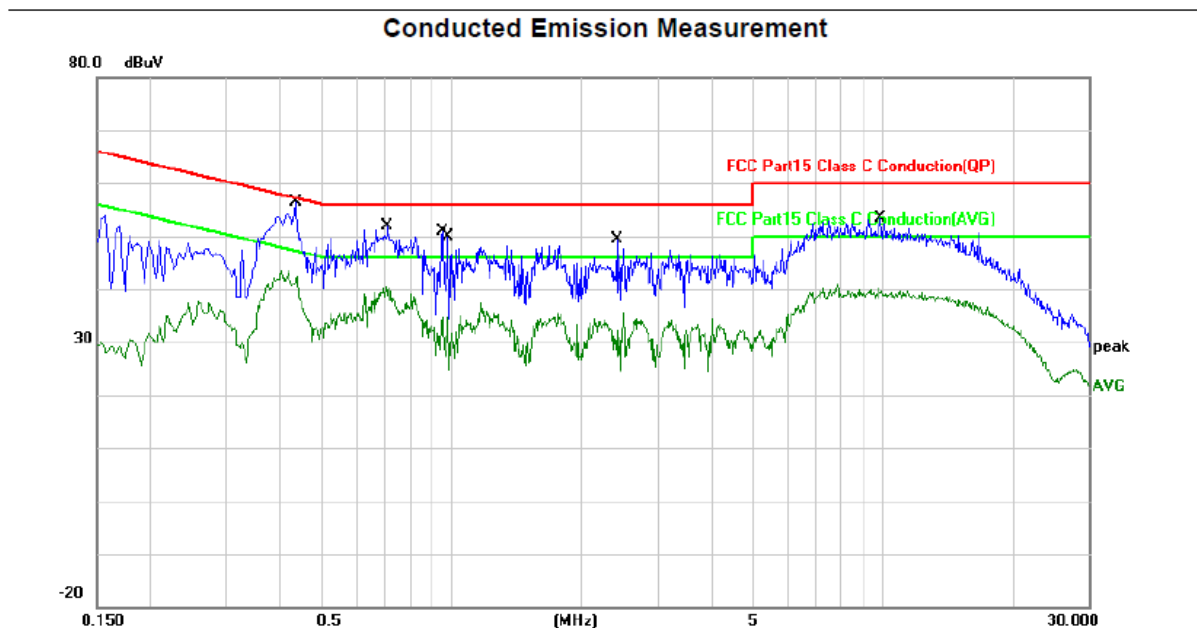
| No. | Mk. | Freq.   | Reading Level | Correct Factor | Measurement | Limit | Over   |          |         |
|-----|-----|---------|---------------|----------------|-------------|-------|--------|----------|---------|
|     |     | MHz     | dBuV          | dB             | dBuV        | dBuV  | dB     | Detector | Comment |
| 1   |     | 0.5060  | 17.47         | 19.74          | 37.21       | 56.00 | -18.79 | QP       |         |
| 2   | *   | 0.5060  | 11.29         | 19.74          | 31.03       | 46.00 | -14.97 | AVG      |         |
| 3   |     | 0.9860  | 12.51         | 19.88          | 32.39       | 56.00 | -23.61 | QP       |         |
| 4   |     | 0.9860  | 3.39          | 19.88          | 23.27       | 46.00 | -22.73 | AVG      |         |
| 5   |     | 1.3140  | 12.30         | 19.99          | 32.29       | 56.00 | -23.71 | QP       |         |
| 6   |     | 1.3140  | 5.49          | 19.99          | 25.48       | 46.00 | -20.52 | AVG      |         |
| 7   |     | 2.0340  | 12.45         | 20.31          | 32.76       | 56.00 | -23.24 | QP       |         |
| 8   |     | 2.0340  | 6.15          | 20.31          | 26.46       | 46.00 | -19.54 | AVG      |         |
| 9   |     | 2.3260  | 9.59          | 20.50          | 30.09       | 56.00 | -25.91 | QP       |         |
| 10  |     | 2.3260  | 1.13          | 20.50          | 21.63       | 46.00 | -24.37 | AVG      |         |
| 11  |     | 13.4340 | 12.37         | 21.44          | 33.81       | 60.00 | -26.19 | QP       |         |
| 12  |     | 13.4340 | 6.70          | 21.44          | 28.14       | 50.00 | -21.86 | AVG      |         |

For adapter 2

Note: This adapter has been tested the conducted emission with five EUTs separately. We only recorded the data of the worst mode is EUT1. Please see the following:

|              |                                                      |
|--------------|------------------------------------------------------|
| 150kHz~30MHz | Worst Case Operating Mode: Simultaneous transmitting |
|--------------|------------------------------------------------------|

Line



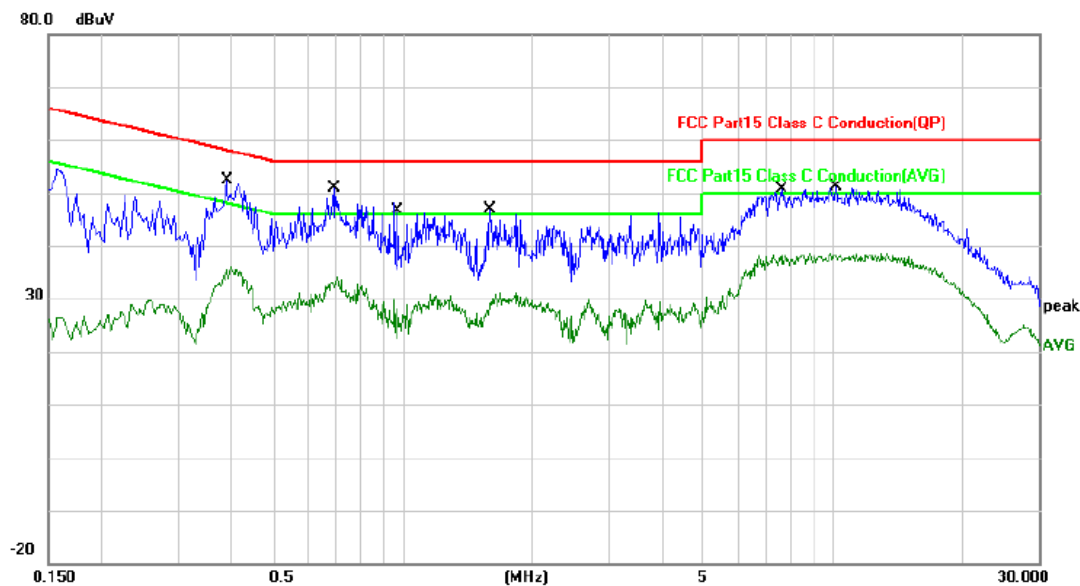
| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV | Limit<br>dBuV | Over<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|--------------------------|---------------|------------|----------|---------|
| 1   |     | 0.4340       | 30.97                    | 19.53                   | 50.50                    | 57.18         | -6.68      | QP       |         |
| 2   | *   | 0.4340       | 21.15                    | 19.53                   | 40.68                    | 47.18         | -6.50      | AVG      |         |
| 3   |     | 0.7100       | 27.59                    | 19.56                   | 47.15                    | 56.00         | -8.85      | QP       |         |
| 4   |     | 0.7100       | 19.18                    | 19.56                   | 38.74                    | 46.00         | -7.26      | AVG      |         |
| 5   |     | 0.9500       | 21.41                    | 19.64                   | 41.05                    | 56.00         | -14.95     | QP       |         |
| 6   |     | 0.9500       | 9.69                     | 19.64                   | 29.33                    | 46.00         | -16.67     | AVG      |         |
| 7   |     | 0.9820       | 19.24                    | 19.65                   | 38.89                    | 56.00         | -17.11     | QP       |         |
| 8   |     | 0.9820       | 8.42                     | 19.65                   | 28.07                    | 46.00         | -17.93     | AVG      |         |
| 9   |     | 2.4140       | 17.90                    | 20.34                   | 38.24                    | 56.00         | -17.76     | QP       |         |
| 10  |     | 2.4140       | 6.90                     | 20.34                   | 27.24                    | 46.00         | -18.76     | AVG      |         |
| 11  |     | 9.8820       | 25.20                    | 20.94                   | 46.14                    | 60.00         | -13.86     | QP       |         |
| 12  |     | 9.8820       | 16.87                    | 20.94                   | 37.81                    | 50.00         | -12.19     | AVG      |         |

150kHz~30MHz

Worst Case Operating Mode: Simultaneous transmitting

Neutral

### Conducted Emission Measurement



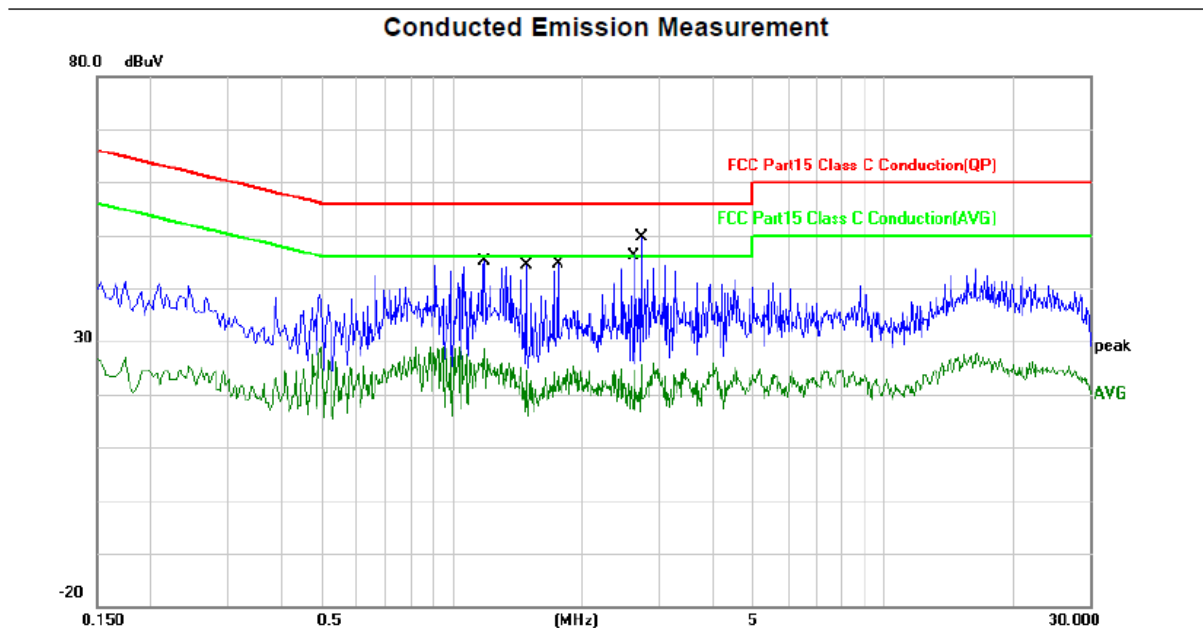
| No. | Mk. | Freq.   | Reading Level | Correct Factor | Measurement | Limit | Over   |          |         |
|-----|-----|---------|---------------|----------------|-------------|-------|--------|----------|---------|
|     |     | MHz     | dBuV          | dB             | dBuV        | dBuV  | dB     | Detector | Comment |
| 1   | *   | 0.3900  | 26.04         | 19.71          | 45.75       | 58.06 | -12.31 | QP       |         |
| 2   |     | 0.3900  | 14.33         | 19.71          | 34.04       | 48.06 | -14.02 | AVG      |         |
| 3   |     | 0.6900  | 23.33         | 19.79          | 43.12       | 56.00 | -12.88 | QP       |         |
| 4   |     | 0.6900  | 12.60         | 19.79          | 32.39       | 46.00 | -13.61 | AVG      |         |
| 5   |     | 0.9740  | 16.20         | 19.87          | 36.07       | 56.00 | -19.93 | QP       |         |
| 6   |     | 0.9740  | 4.53          | 19.87          | 24.40       | 46.00 | -21.60 | AVG      |         |
| 7   |     | 1.5980  | 16.26         | 20.11          | 36.37       | 56.00 | -19.63 | QP       |         |
| 8   |     | 1.5980  | 7.66          | 20.11          | 27.77       | 46.00 | -18.23 | AVG      |         |
| 9   |     | 7.5740  | 22.92         | 20.74          | 43.66       | 60.00 | -16.34 | QP       |         |
| 10  |     | 7.5740  | 14.85         | 20.74          | 35.59       | 50.00 | -14.41 | AVG      |         |
| 11  |     | 10.1380 | 23.10         | 20.98          | 44.08       | 60.00 | -15.92 | QP       |         |
| 12  |     | 10.1380 | 15.23         | 20.98          | 36.21       | 50.00 | -13.79 | AVG      |         |

For adapter 3

Note: This adapter has been tested the conducted emission with five EUTs separately. We only recorded the data of the worst mode is EUT1. Please see the following:

|              |                                                      |
|--------------|------------------------------------------------------|
| 150kHz~30MHz | Worst Case Operating Mode: Simultaneous transmitting |
|--------------|------------------------------------------------------|

Line



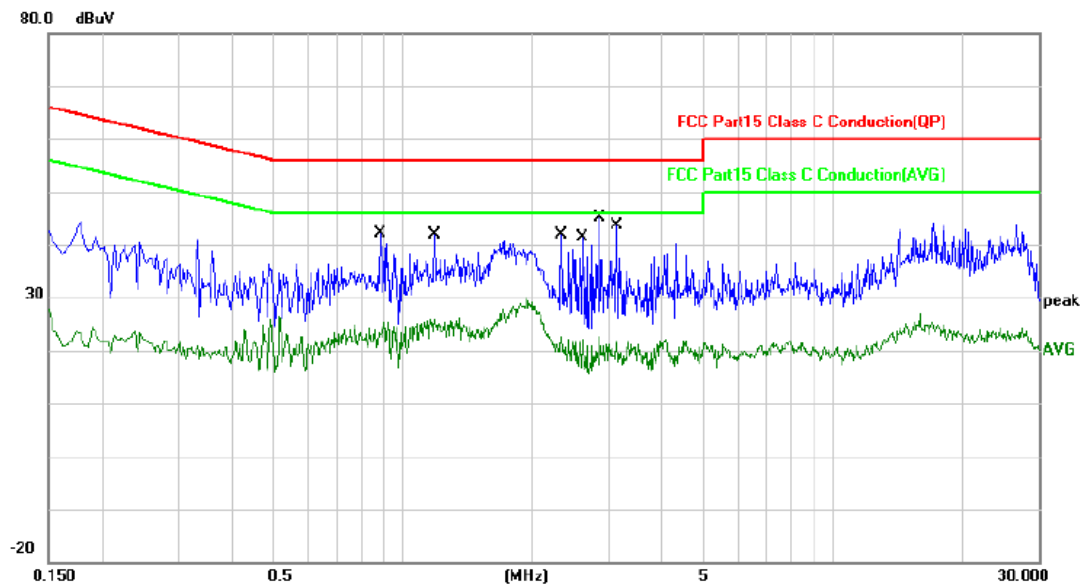
| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV | Limit<br>dBuV | Over<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|--------------------------|---------------|------------|----------|---------|
| 1   |     | 1.1740       | 13.38                    | 19.70                   | 33.08                    | 56.00         | -22.92     | QP       |         |
| 2   |     | 1.1740       | 3.01                     | 19.70                   | 22.71                    | 46.00         | -23.29     | AVG      |         |
| 3   |     | 1.1860       | 13.97                    | 19.71                   | 33.68                    | 56.00         | -22.32     | QP       |         |
| 4 * |     | 1.1860       | 5.13                     | 19.71                   | 24.84                    | 46.00         | -21.16     | AVG      |         |
| 5   |     | 1.4860       | 10.32                    | 19.80                   | 30.12                    | 56.00         | -25.88     | QP       |         |
| 6   |     | 1.4860       | 2.27                     | 19.80                   | 22.07                    | 46.00         | -23.93     | AVG      |         |
| 7   |     | 1.7620       | 9.66                     | 19.94                   | 29.60                    | 56.00         | -26.40     | QP       |         |
| 8   |     | 1.7620       | 0.86                     | 19.94                   | 20.80                    | 46.00         | -25.20     | AVG      |         |
| 9   |     | 2.6380       | 12.10                    | 20.48                   | 32.58                    | 56.00         | -23.42     | QP       |         |
| 10  |     | 2.6380       | -2.86                    | 20.48                   | 17.62                    | 46.00         | -28.38     | AVG      |         |
| 11  |     | 2.7500       | 11.12                    | 20.57                   | 31.69                    | 56.00         | -24.31     | QP       |         |
| 12  |     | 2.7500       | -2.44                    | 20.57                   | 18.13                    | 46.00         | -27.87     | AVG      |         |

150kHz~30MHz

Worst Case Operating Mode: Simultaneous transmitting

Neutral

### Conducted Emission Measurement



| No. | Mk. | Freq.  | Reading | Correct | Measure- | Limit | Over   |          |         |
|-----|-----|--------|---------|---------|----------|-------|--------|----------|---------|
|     |     | MHz    | dBuV    | Factor  | ment     | dBuV  | dB     | Detector | Comment |
| 1   |     | 0.8860 | 11.09   | 19.85   | 30.94    | 56.00 | -25.06 | QP       |         |
| 2   |     | 0.8860 | 2.88    | 19.85   | 22.73    | 46.00 | -23.27 | AVG      |         |
| 3   |     | 1.1860 | 10.58   | 19.95   | 30.53    | 56.00 | -25.47 | QP       |         |
| 4   | *   | 1.1860 | 4.64    | 19.95   | 24.59    | 46.00 | -21.41 | AVG      |         |
| 5   |     | 2.3420 | 5.53    | 20.51   | 26.04    | 56.00 | -29.96 | QP       |         |
| 6   |     | 2.3420 | -1.67   | 20.51   | 18.84    | 46.00 | -27.16 | AVG      |         |
| 7   |     | 2.6100 | 8.25    | 20.52   | 28.77    | 56.00 | -27.23 | QP       |         |
| 8   |     | 2.6100 | -3.34   | 20.52   | 17.18    | 46.00 | -28.82 | AVG      |         |
| 9   |     | 2.8780 | 6.81    | 20.32   | 27.13    | 56.00 | -28.87 | QP       |         |
| 10  |     | 2.8780 | -2.86   | 20.32   | 17.46    | 46.00 | -28.54 | AVG      |         |
| 11  |     | 3.1420 | 7.79    | 20.23   | 28.02    | 56.00 | -27.98 | QP       |         |
| 12  |     | 3.1420 | -3.39   | 20.23   | 16.84    | 46.00 | -29.16 | AVG      |         |

## 3.2 Radiated Emission

### 3.2.1 Limit

#### 1) Limit of radiated emission measurement:

Radiated emissions which fall in the restricted bands must comply with the radiated emission limits specified as below table. Other emissions shall be at least 20dB below the highest level of the desired power:

| Frequency<br>(MHz) | Distance<br>Meters(m) | Field Strength Limit                                                                              |                                   |
|--------------------|-----------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|
|                    |                       | $\mu\text{V/m}$                                                                                   | $\text{dB}(\mu\text{V})/\text{m}$ |
| 0.009 – 0.49       | 300                   | $2400/F(\text{kHz})$                                                                              | -                                 |
| 0.490 – 1.705      | 30                    | $24000/F(\text{kHz})$                                                                             | -                                 |
| 1.705 – 30         | 30                    | 30                                                                                                | -                                 |
| 30~88              | 3                     | 100                                                                                               | 40.0                              |
| 88~216             | 3                     | 150                                                                                               | 43.5                              |
| 216~960            | 3                     | 200                                                                                               | 46.0                              |
| 960~1000           | 3                     | 500                                                                                               | 54.0                              |
| Above 1000         | 3                     | 74.0 $\text{dB}(\mu\text{V})/\text{m}$ (Peak)<br>54.0 $\text{dB}(\mu\text{V})/\text{m}$ (Average) |                                   |

Note: (1) Emission level  $\text{dB}\mu\text{V} = 20 \log \text{Emission level } \mu\text{V/m}$

(2) The smaller limit shall apply at the cross point between two frequency bands.

(3) Distance is the distance in meters between the measuring instrument, antenna and the closest point of any part of the device or system.

#### 2) Limit of unwanted emission out of the restricted bands:

| FREQUENCY/<br>MHz | EIRP Limit<br>(dBm/MHz) | Equivalent Field Strength at 3m<br>( $\text{dB}\mu\text{V/m}$ ) |
|-------------------|-------------------------|-----------------------------------------------------------------|
| 5150-5250         | -27                     | 68.2                                                            |
| 5250-5350         | -27                     | 68.2                                                            |
| 5470-5725         | -27                     | 68.2                                                            |
| 5725-5850         | -27 NOTE (2)            | 68.2                                                            |
|                   | 10 NOTE (2)             | 105.2                                                           |
|                   | 15.6 NOTE (2)           | 110.8                                                           |
|                   | 27 NOTE (2)             | 122.2                                                           |

Note: (1) The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:  $E[\text{dB}\mu\text{V/m}] = \text{EIRP}[\text{dBm}] + 95.2$ , for  $d = 3 \text{ m}$ .

(2) According to 15.407(b)(4)(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.

### 3.2.2 Test Peripherals

| Support Equipment |            |            |            |         |
|-------------------|------------|------------|------------|---------|
| No.               | Equipment  | Brand Name | Model Name | Remarks |
| 1                 | Record PC  | Lenovo     | M4500T     | NA      |
| 2                 | Control PC | Lenovo     | M4500T     | NA      |

### 3.2.3 Test Procedure

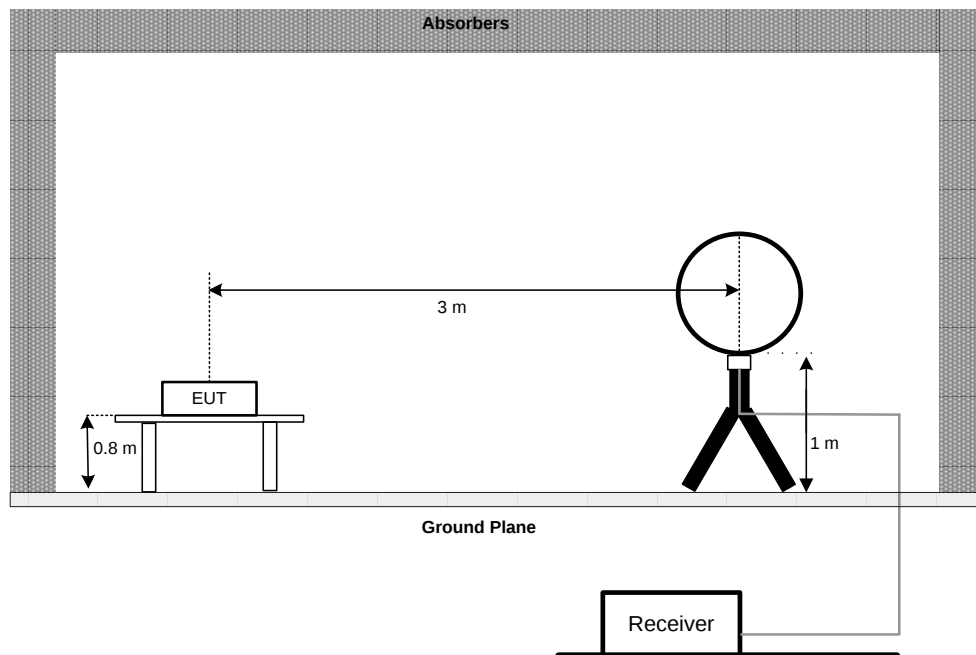
| Test Method                                                                   |                                                       |
|-------------------------------------------------------------------------------|-------------------------------------------------------|
| <input type="radio"/> Conducted Measurement                                   | <input checked="" type="radio"/> Radiated Measurement |
| Test Channels                                                                 |                                                       |
| <input checked="" type="radio"/> Lowest, Middle and Highest Channel           | <input type="radio"/> Lowest and Highest Channel      |
| Environmental conditions                                                      |                                                       |
| <input checked="" type="radio"/> Normal                                       | <input type="radio"/> Normal and Extreme              |
| Note: <input checked="" type="radio"/> : Test <input type="radio"/> : No Test |                                                       |

- The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1 GHz)
- The measuring distance of 3 m or 1.5m shall be used for measurements. The EUT was placed on the top of a rotating table 1.5 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(above 1GHz)
- The height of the equipment or of the substitution antenna shall be 0.8m or 1.5m; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights find the maximum reading (used Bore sight function).
- The receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz.
- The initial step in collecting radiated emission data is a receiver peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- All readings are Peak unless otherwise stated QP in column of Note. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform. (below 1 GHz)

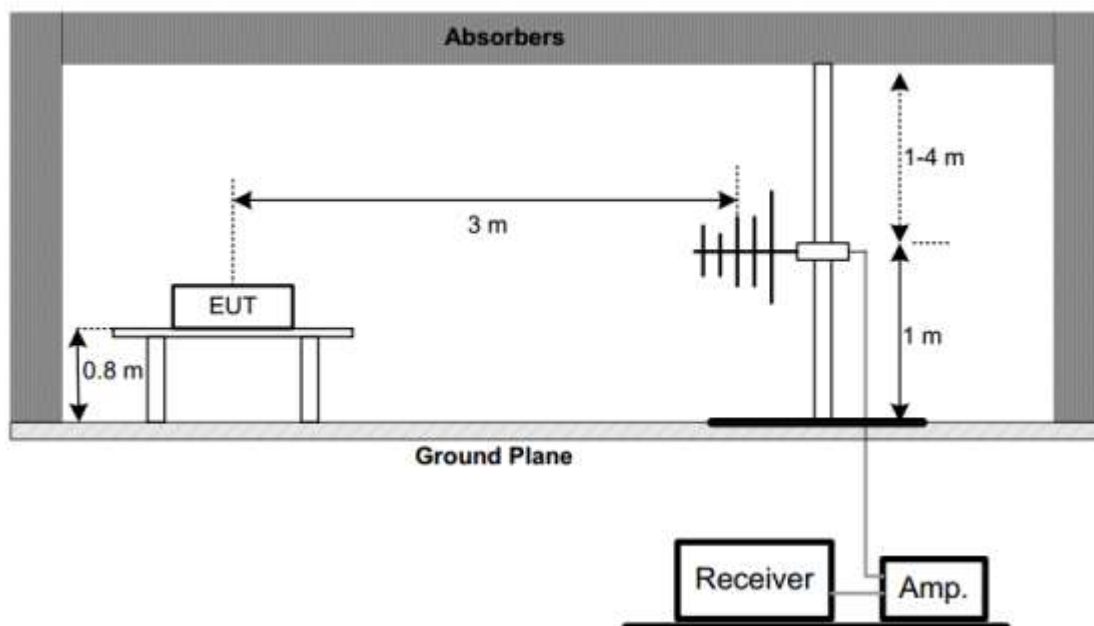
- h) All readings are Peak Mode value unless otherwise stated AVG in column of Note. If the Peak Mode Measured value compliance with the Peak Limits and lower than AVG Limits, the EUT shall be deemed to meet both Peak & AVG Limits and then only Peak Mode was measured, but AVG Mode didn't perform. (above 1 GHz)
- i) For the actual test configuration, please refer to the related Item -EUT Test Photos.

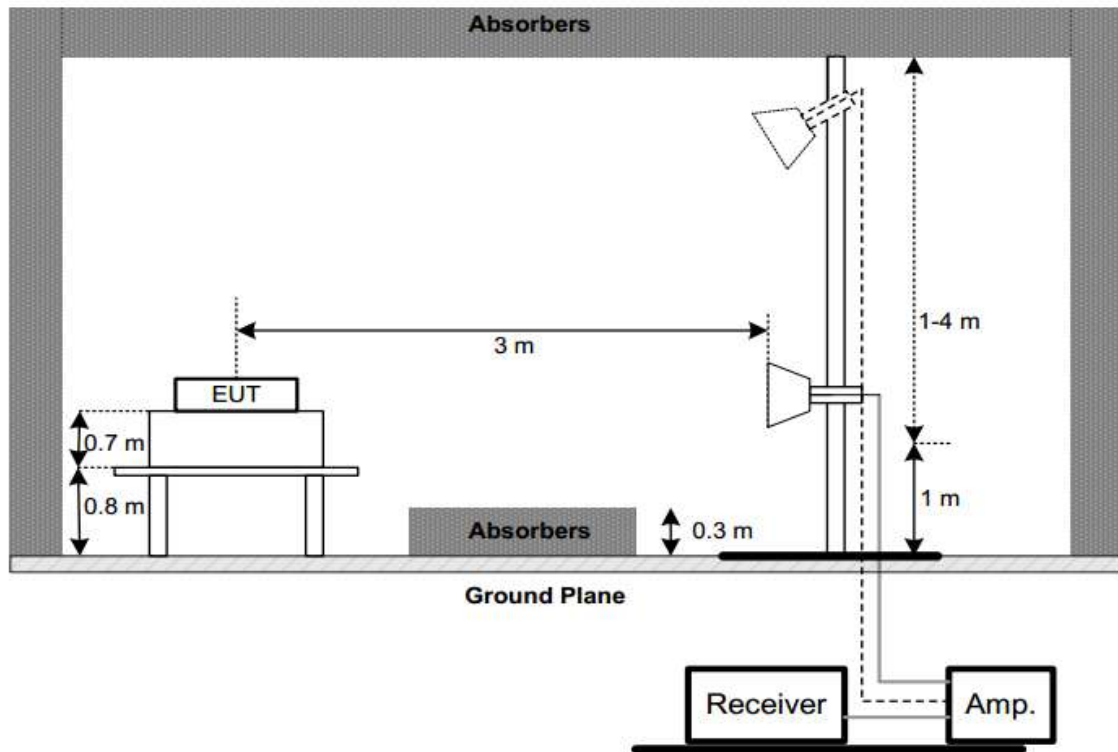
### 3.2.4 Test Setup

#### (A) Radiated Emission Test Set-Up Frequency Below 30 MHz



#### (B) Radiated Emission Test Set-Up Frequency 30 MHz-1000 MHz



**(C) Radiated Emission Test Set-Up Frequency Above 1 GHz****3.2.5 Test Result****1) Radiated emission: 9kHz-30MHz**

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not recorded in this report.

**2) Radiated emission: 30MHz-1G****Note:**

1. Measurement = Reading + Correct Factor.
2. Over = Measurement – Limit
3. Simultaneous transmitting: 2.4G Wifi transmitting + 5G Wifi transmitting

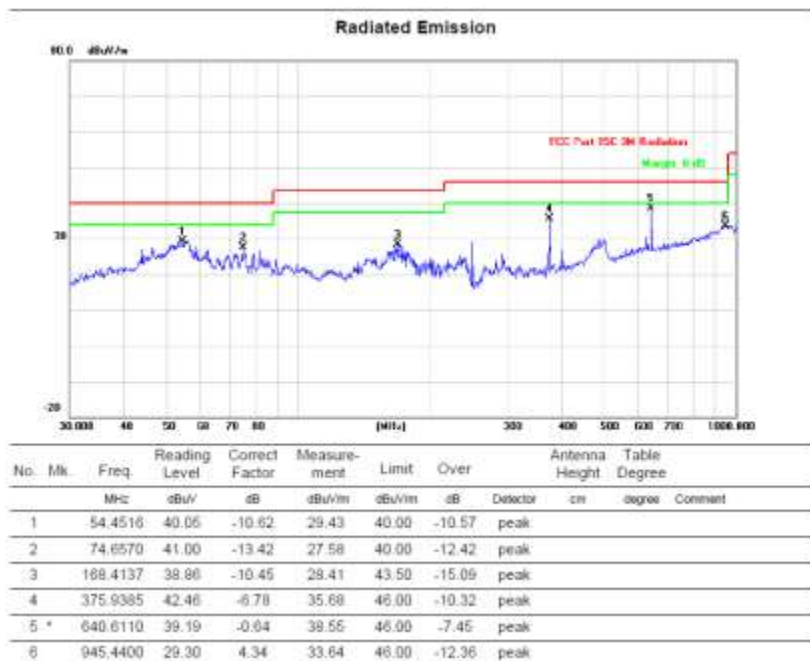
For EUT1+adapter1

We only recorded the data of the worst mode. Please see the following:

Below 1G (30MHz~1GHz)

Worst Case Operating Mode: Simultaneous transmitting

### VERTICAL



### HORIZONTAL



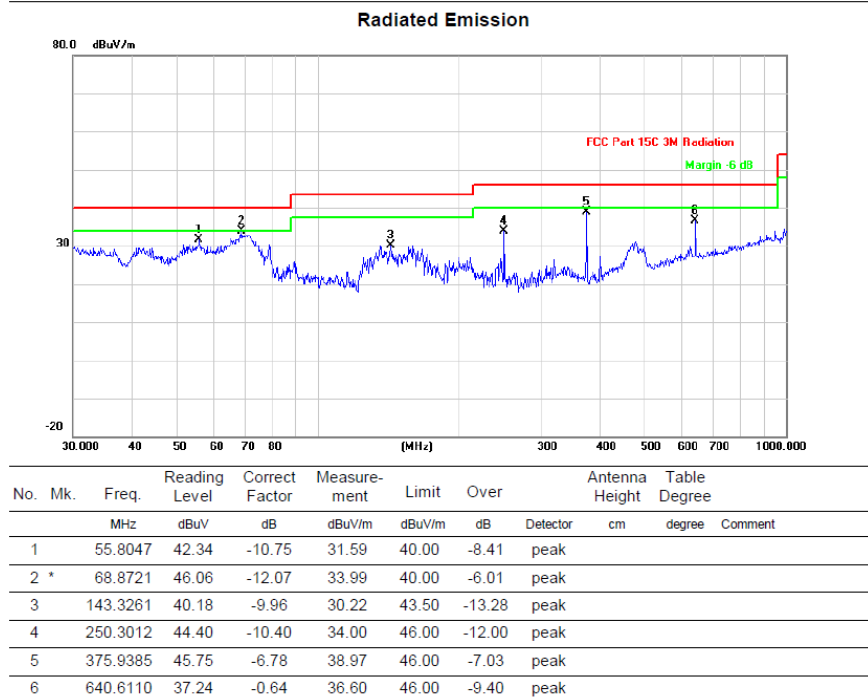
For EUT1+adapter2

We only recorded the data of the worst mode. Please see the following:

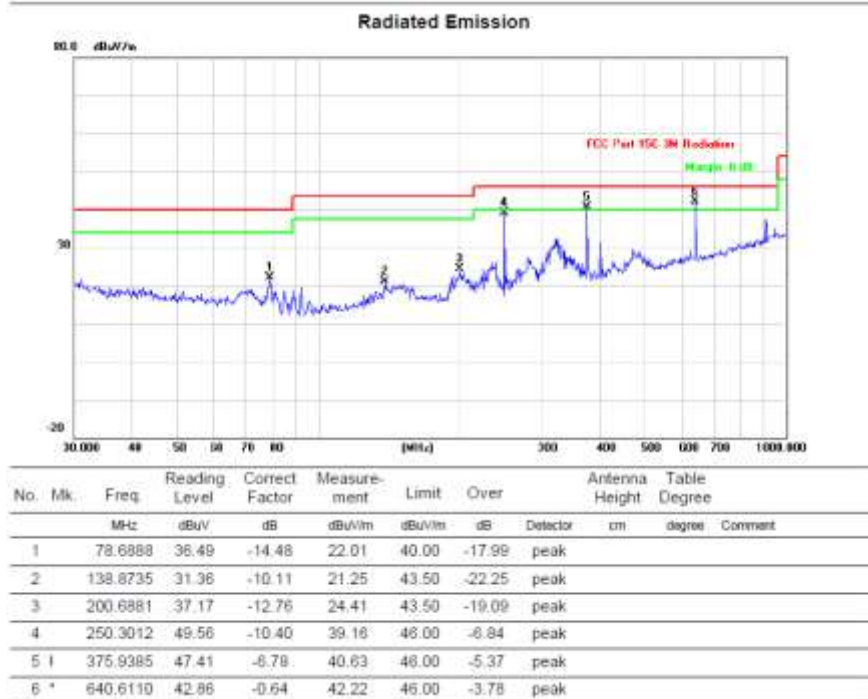
Below 1G (30MHz~1GHz)

Worst Case Operating Mode: Simultaneous transmitting

### VERTICAL



### HORIZONTAL



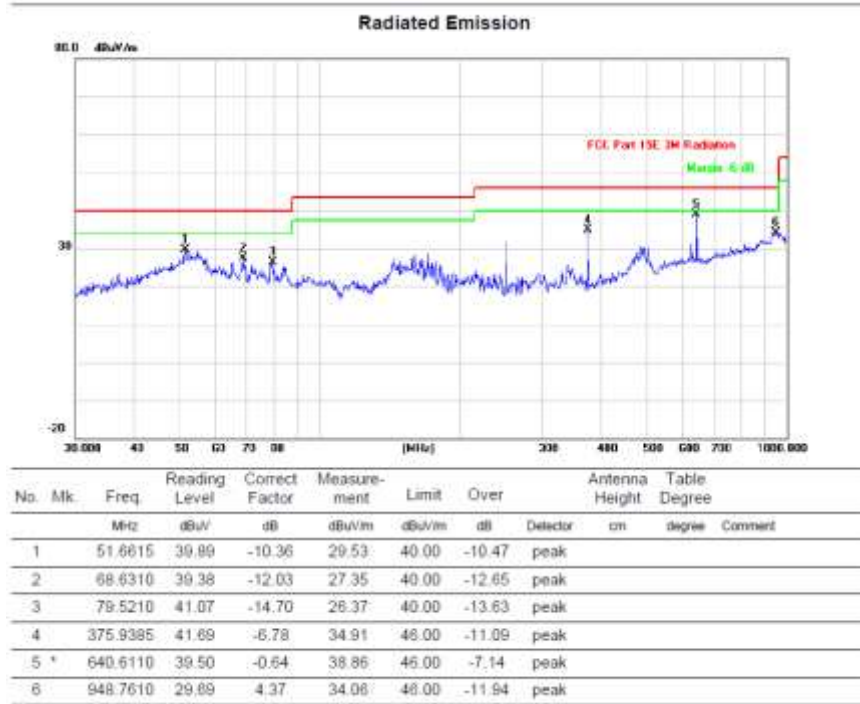
For EUT1+adapter3

We only recorded the data of the worst mode. Please see the following:

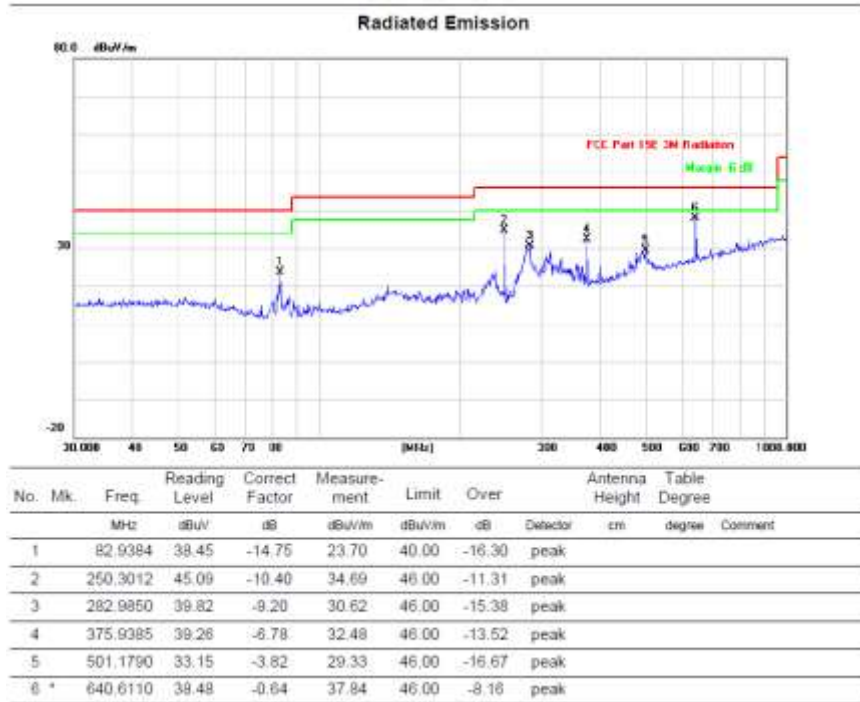
Below 1G (30MHz~1GHz)

Worst Case Operating Mode: Simultaneous transmitting

VERTICAL



HORIZONTAL



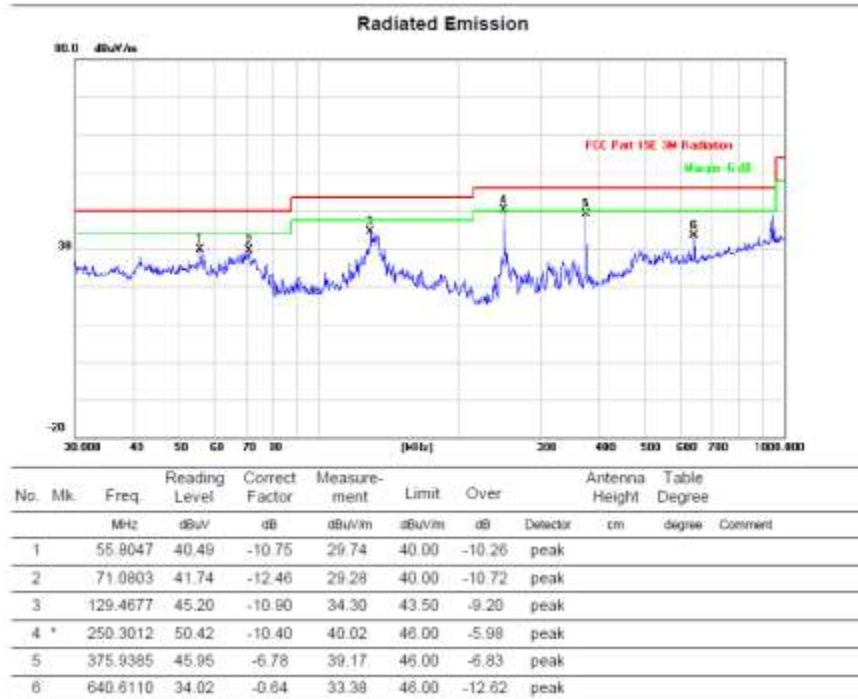
For EUT2+adapter1

We only recorded the data of the worst mode. Please see the following:

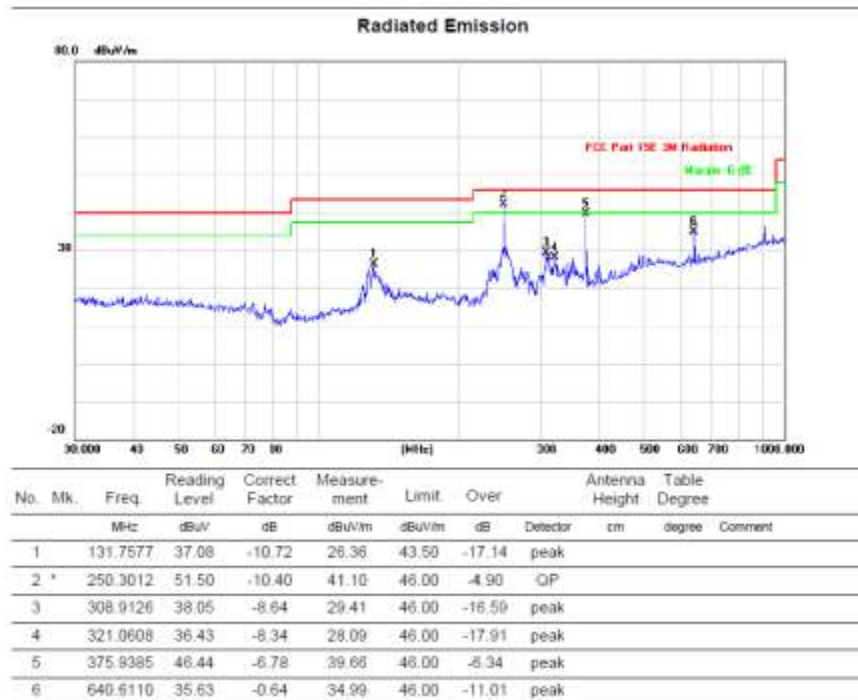
Below 1G (30MHz~1GHz)

Worst Case Operating Mode: Simultaneous transmitting

### VERTICAL



### HORIZONTAL



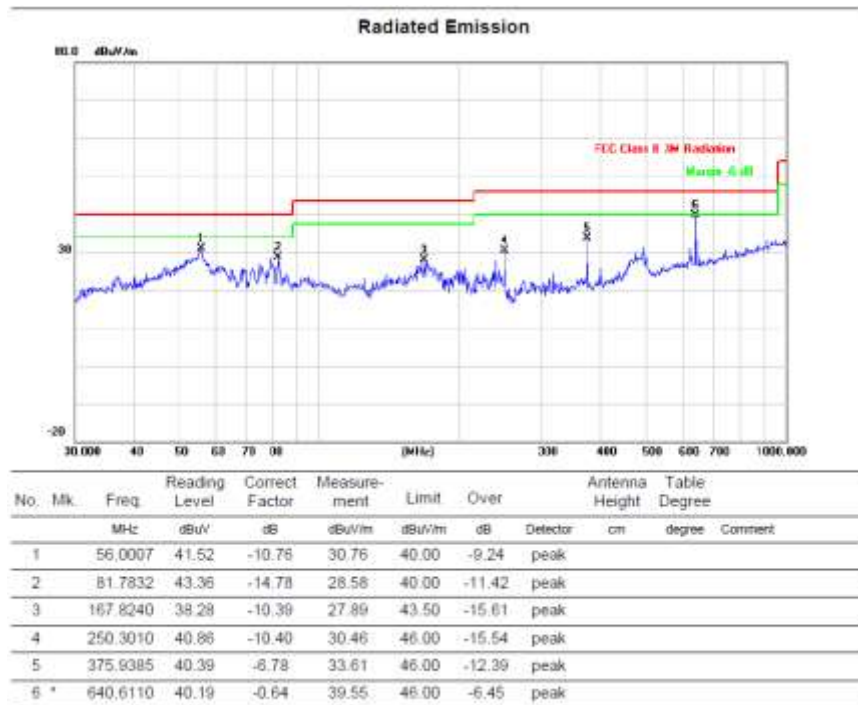
For EUT2+adapter2

We only recorded the data of the worst mode. Please see the following:

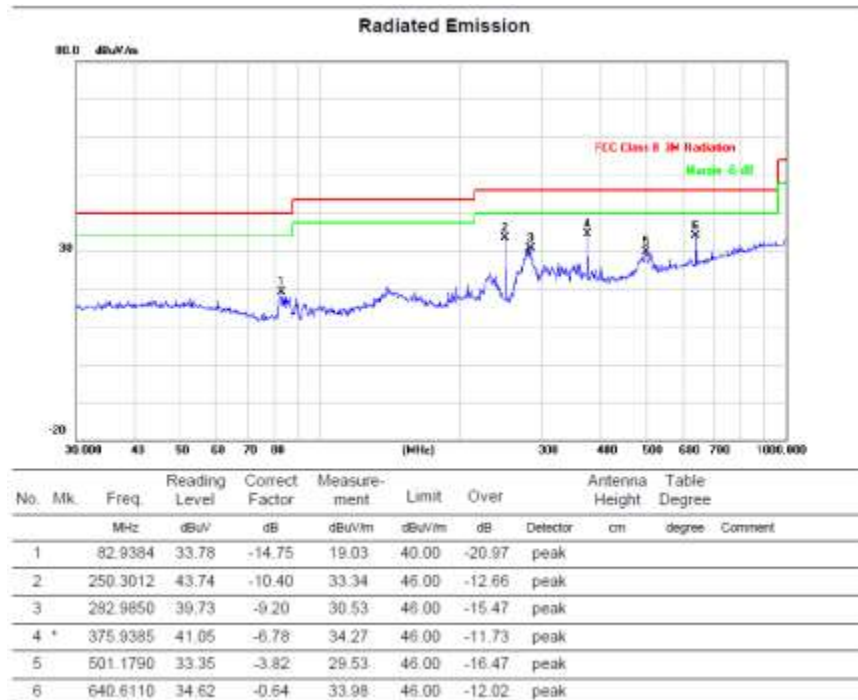
Below 1G (30MHz~1GHz)

Worst Case Operating Mode: Simultaneous transmitting

### VERTICAL



### HORIZONTAL



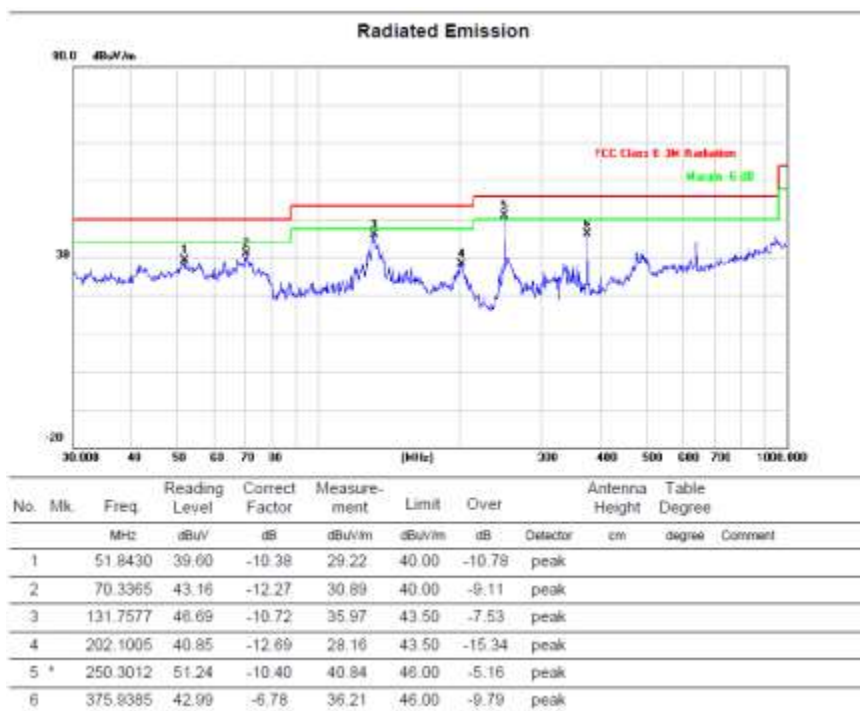
For EUT2+adapter3

We only recorded the data of the worst mode. Please see the following:

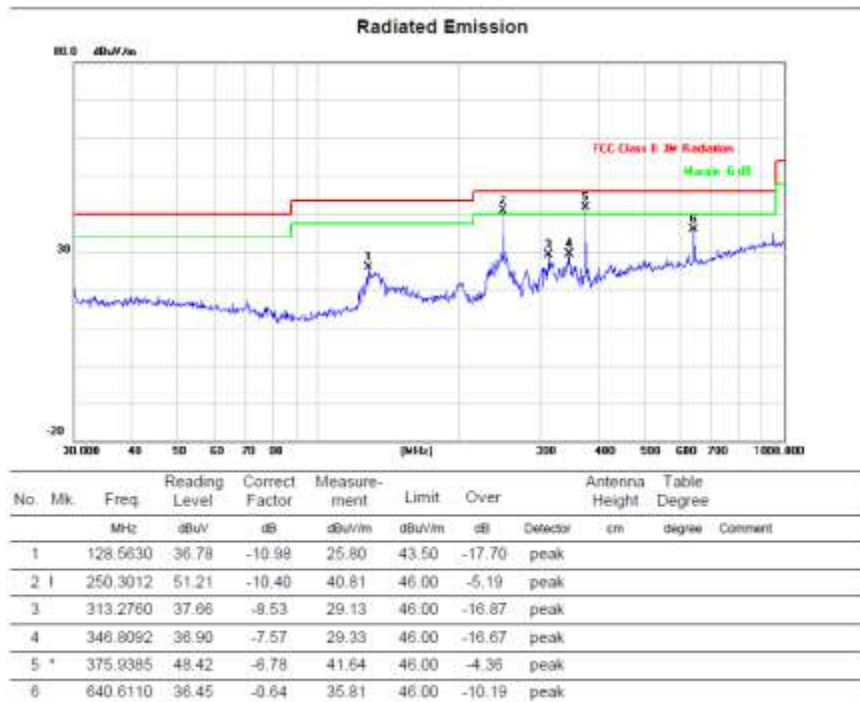
Below 1G (30MHz~1GHz)

Worst Case Operating Mode: Simultaneous transmitting

### VERTICAL



### HORIZONTAL



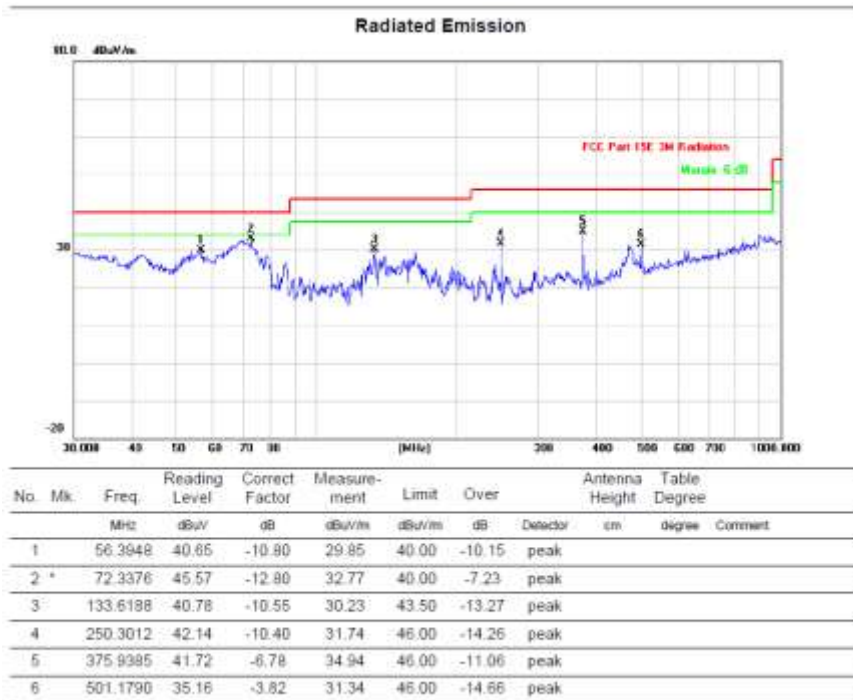
For EUT3+adapter1

We only recorded the data of the worst mode. Please see the following:

Below 1G (30MHz~1GHz)

Worst Case Operating Mode: Simultaneous transmitting

VERTICAL



HORIZONTAL



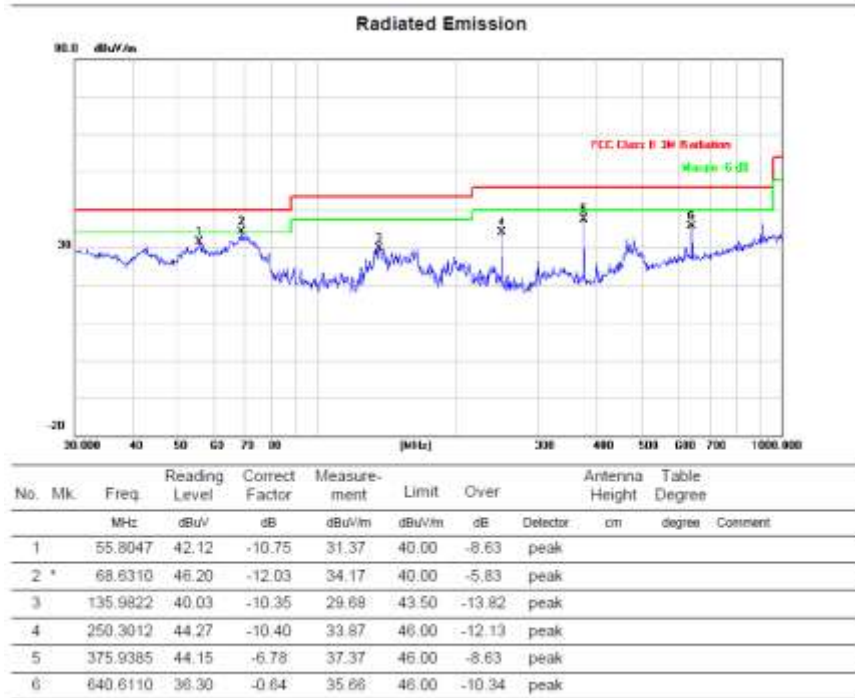
For EUT3+adapter2

We only recorded the data of the worst mode. Please see the following:

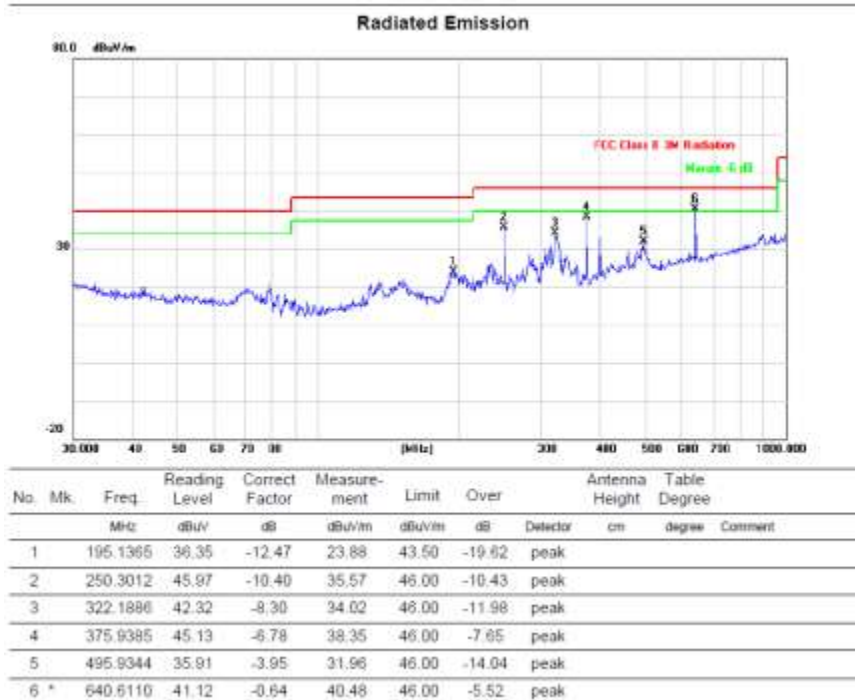
Below 1G (30MHz~1GHz)

Worst Case Operating Mode: Simultaneous transmitting

VERTICAL



HORIZONTAL



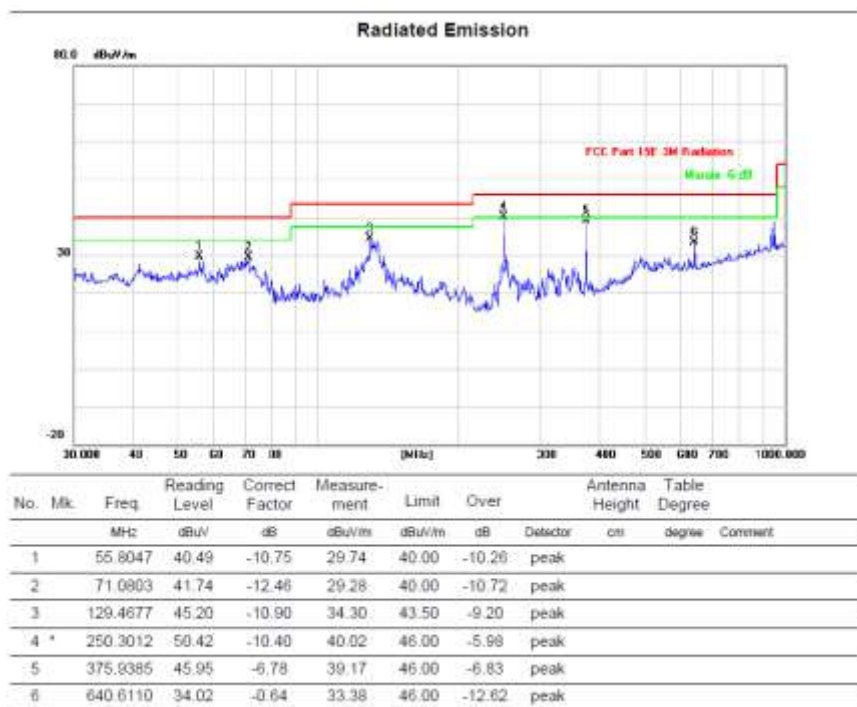
For EUT3+adapter3

We only recorded the data of the worst mode. Please see the following:

Below 1G (30MHz~1GHz)

Worst Case Operating Mode: Simultaneous transmitting

### VERTICAL



### HORIZONTAL



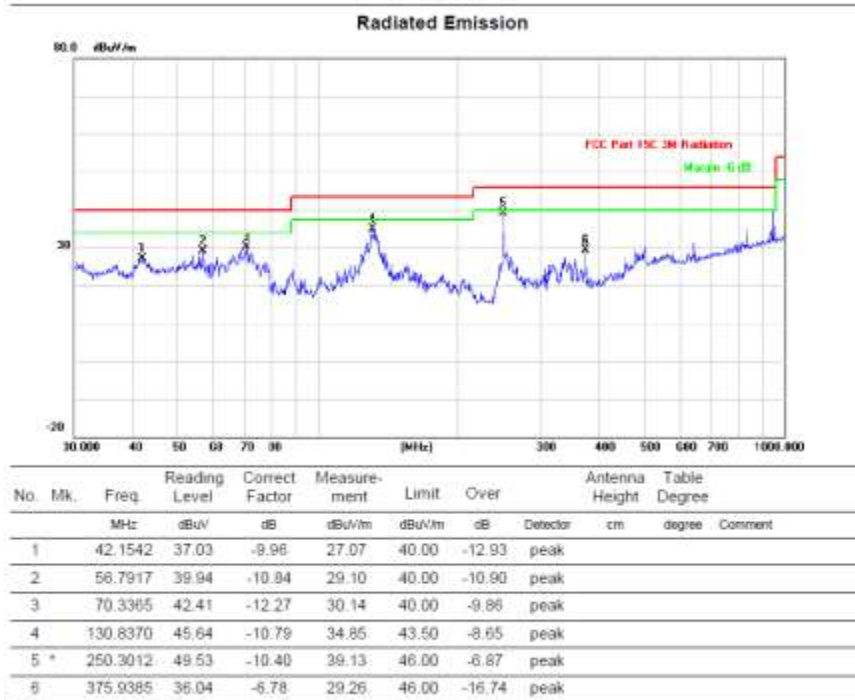
For EUT4+adapter1

We only recorded the data of the worst mode. Please see the following:

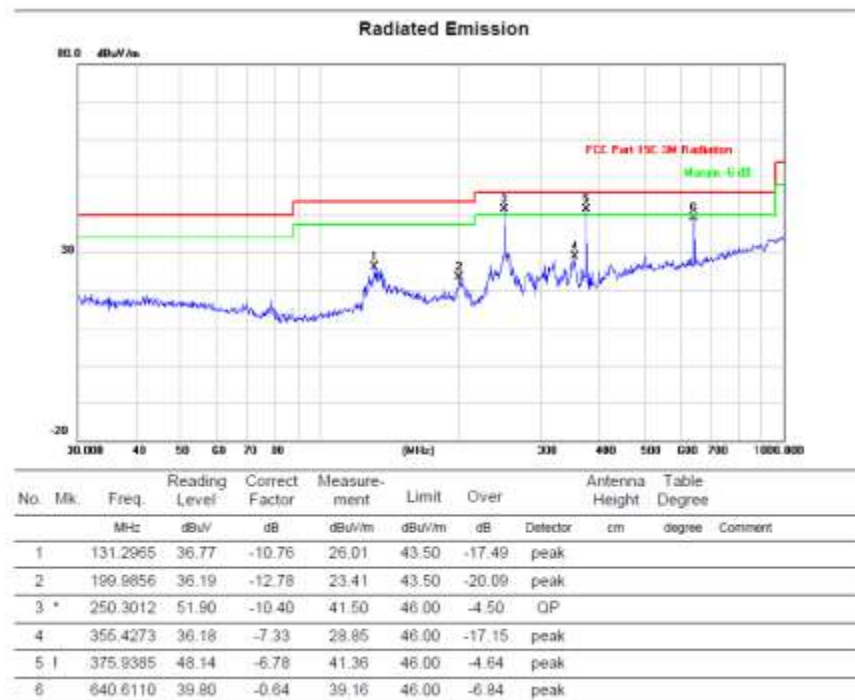
Below 1G (30MHz~1GHz)

Worst Case Operating Mode: Simultaneous transmitting

### VERTICAL



### HORIZONTAL



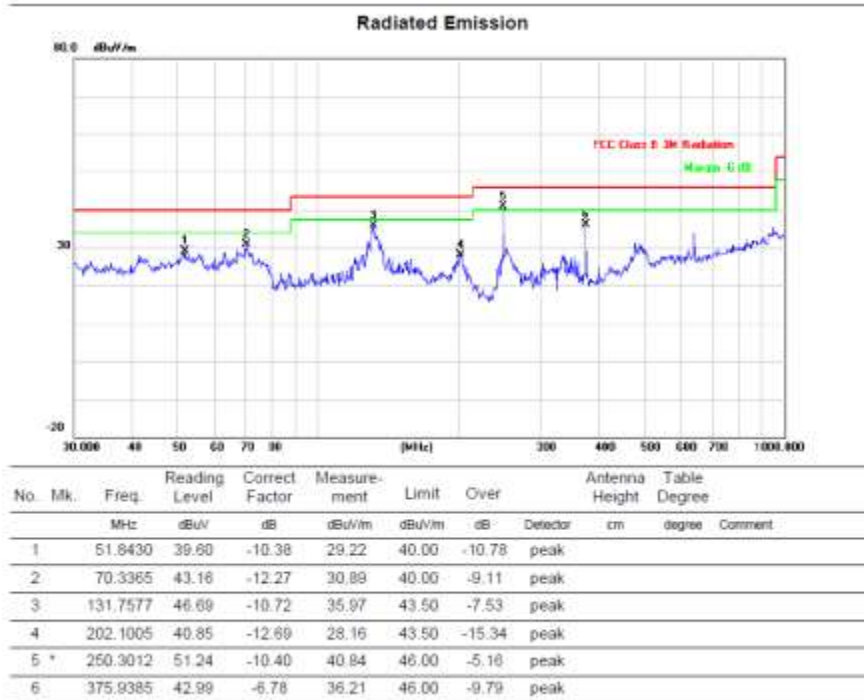
For EUT4+adapter2

We only recorded the data of the worst mode. Please see the following:

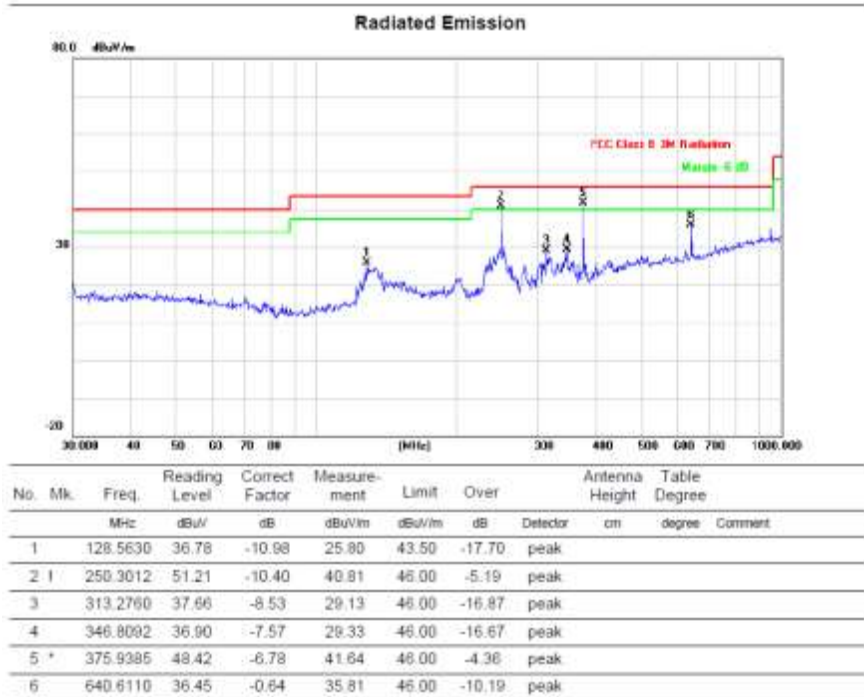
Below 1G (30MHz~1GHz)

Worst Case Operating Mode: Simultaneous transmitting

VERTICAL



HORIZONTAL



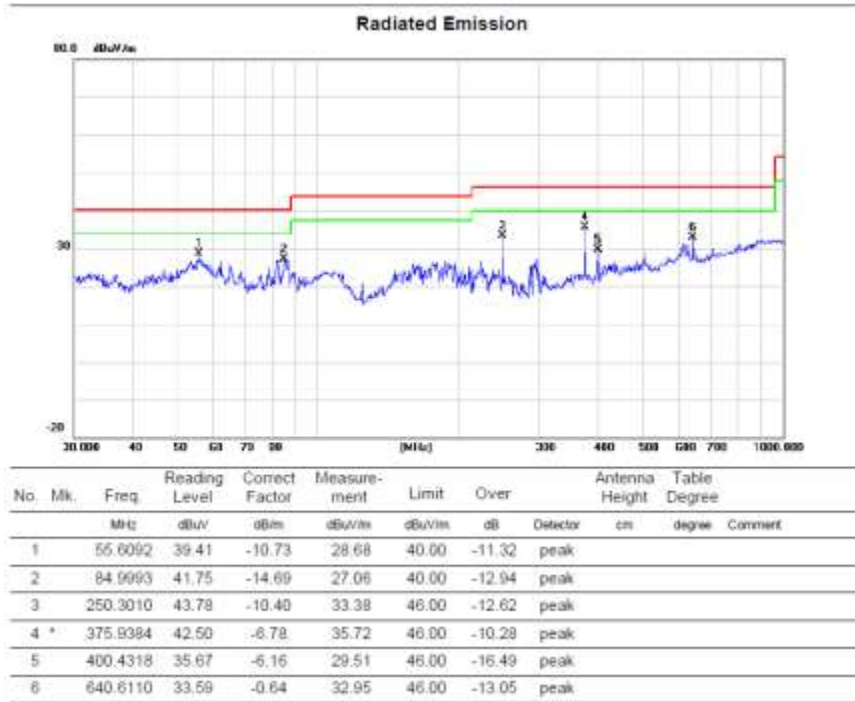
For EUT4+adapter3

We only recorded the data of the worst mode. Please see the following:

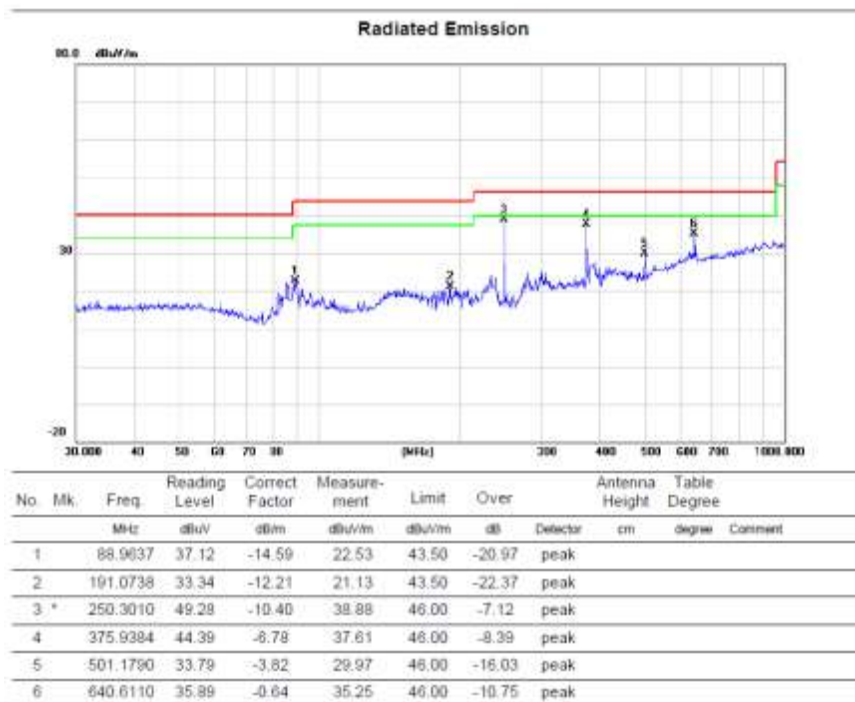
Below 1G (30MHz~1GHz)

Worst Case Operating Mode: Simultaneous transmitting

### VERTICAL



### HORIZONTAL



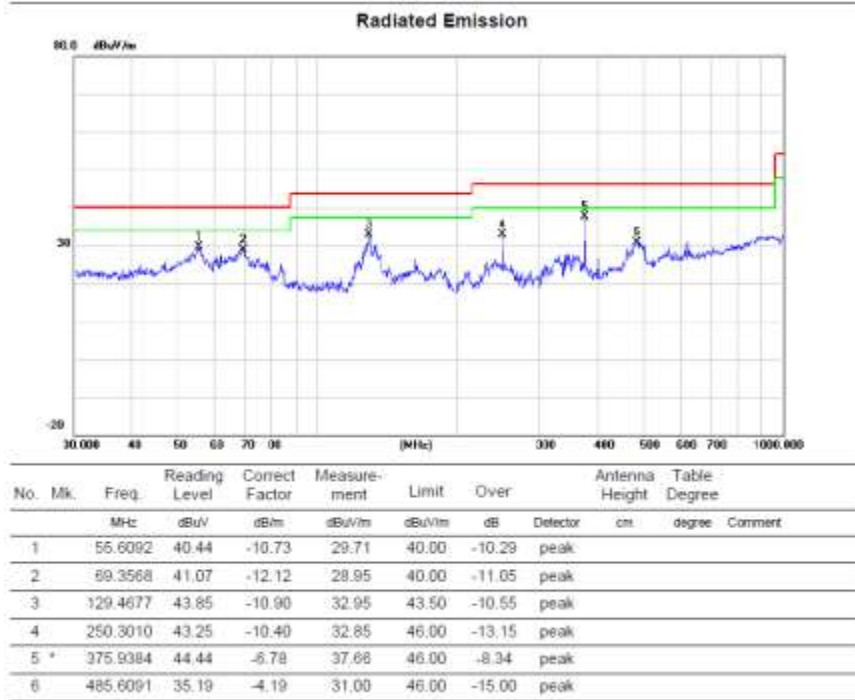
For EUT5+adapter1

We only recorded the data of the worst mode. Please see the following:

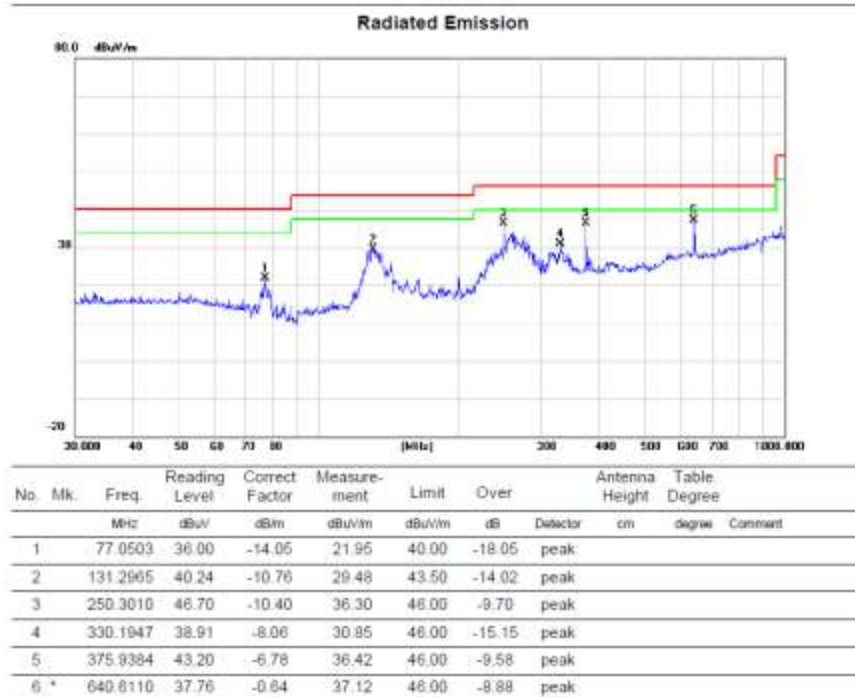
Below 1G (30MHz~1GHz)

Worst Case Operating Mode: Simultaneous transmitting

### VERTICAL



### HORIZONTAL



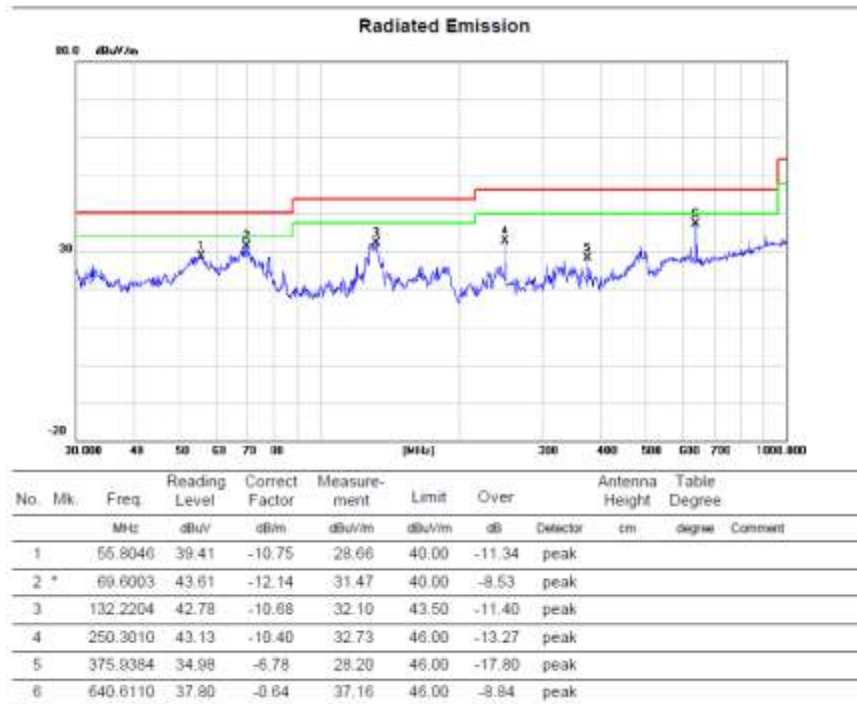
For EUT5+adapter 2

We only recorded the data of the worst mode. Please see the following:

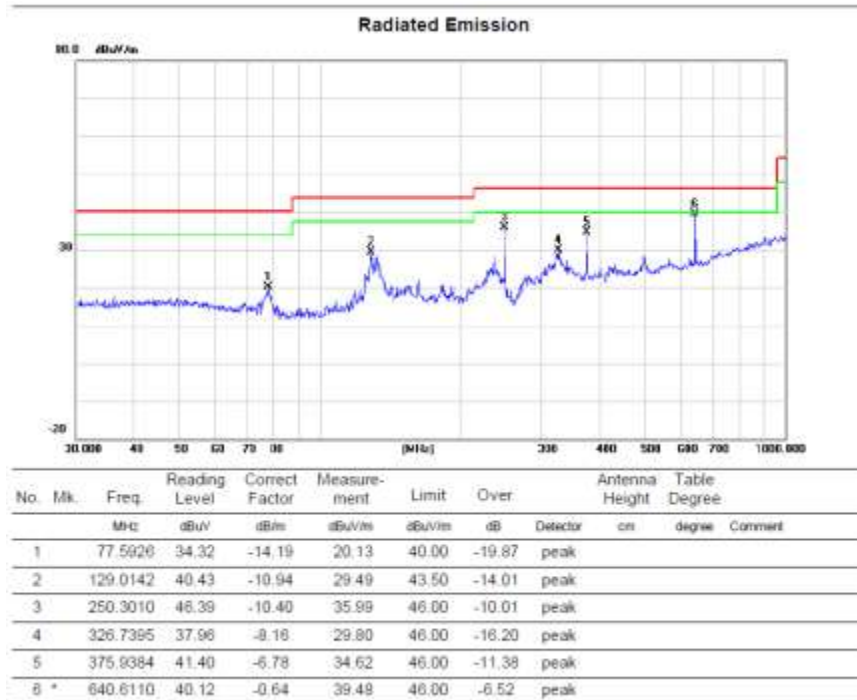
Below 1G (30MHz~1GHz)

Worst Case Operating Mode: Simultaneous transmitting

### VERTICAL



### HORIZONTAL



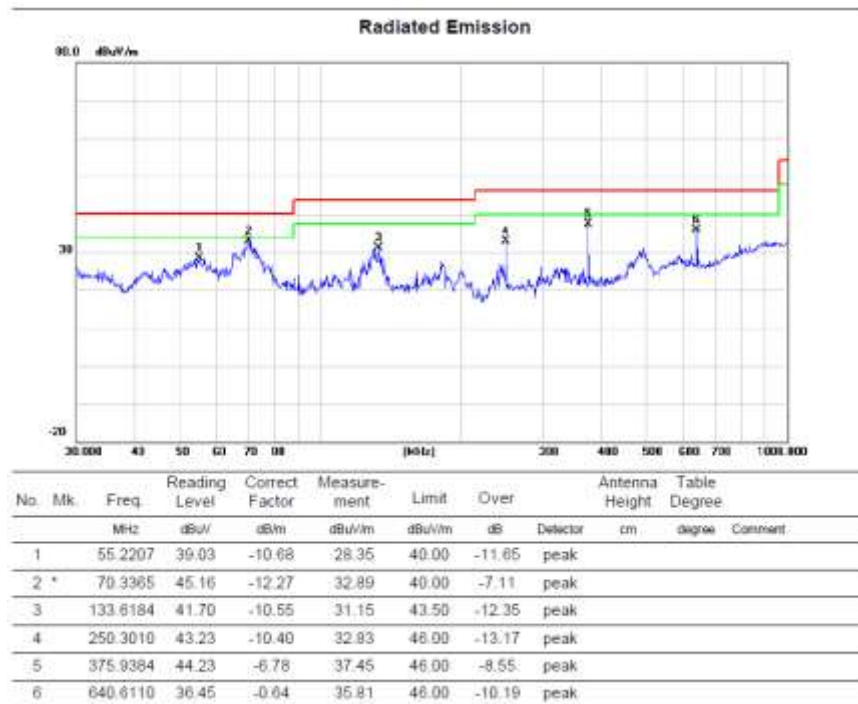
For EUT5+adapter3

We only recorded the data of the worst mode. Please see the following:

Below 1G (30MHz~1GHz)

Worst Case Operating Mode: Simultaneous transmitting

VERTICAL



HORIZONTAL



### 3) Radiated emission: Above 1G

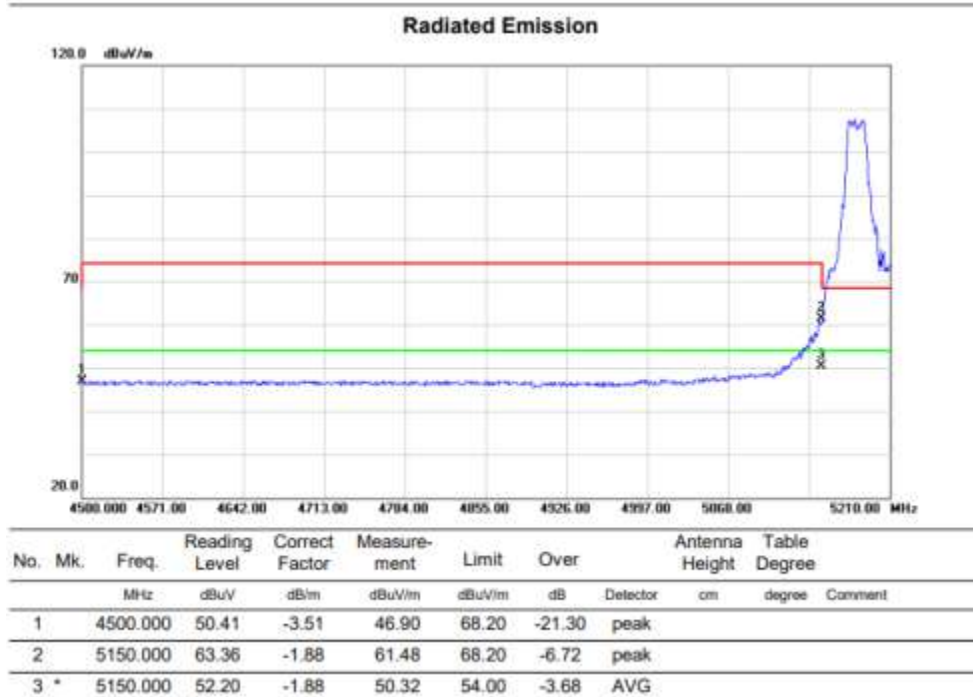
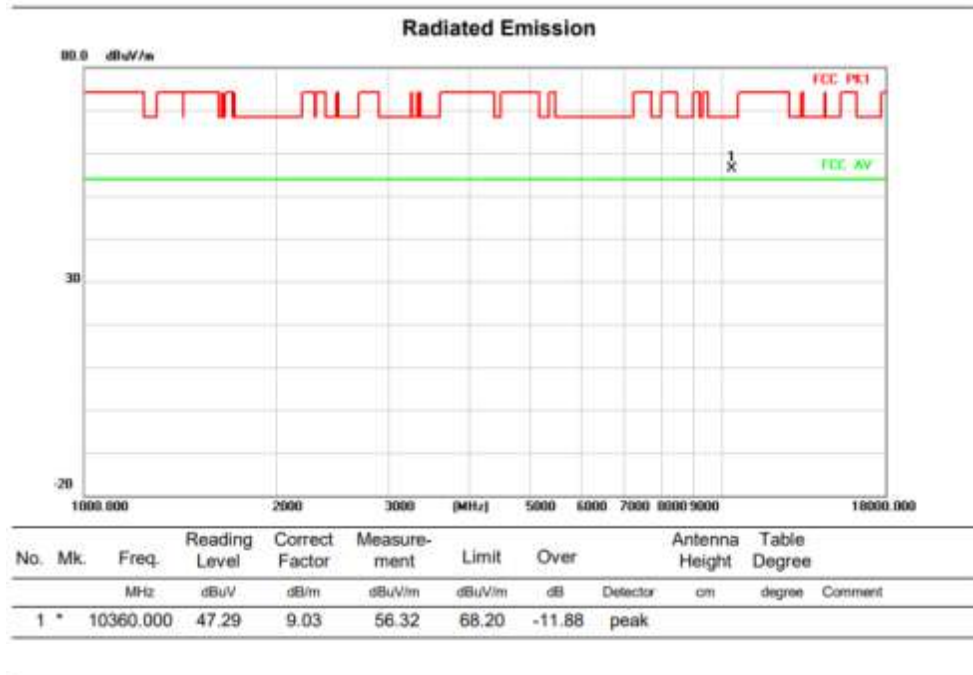
#### Note:

1. Measurement = Reading + Correct Factor.
2. Over = Measurement – Limit
3. For 802.11A mode, only worst case for antenna1 was recored.

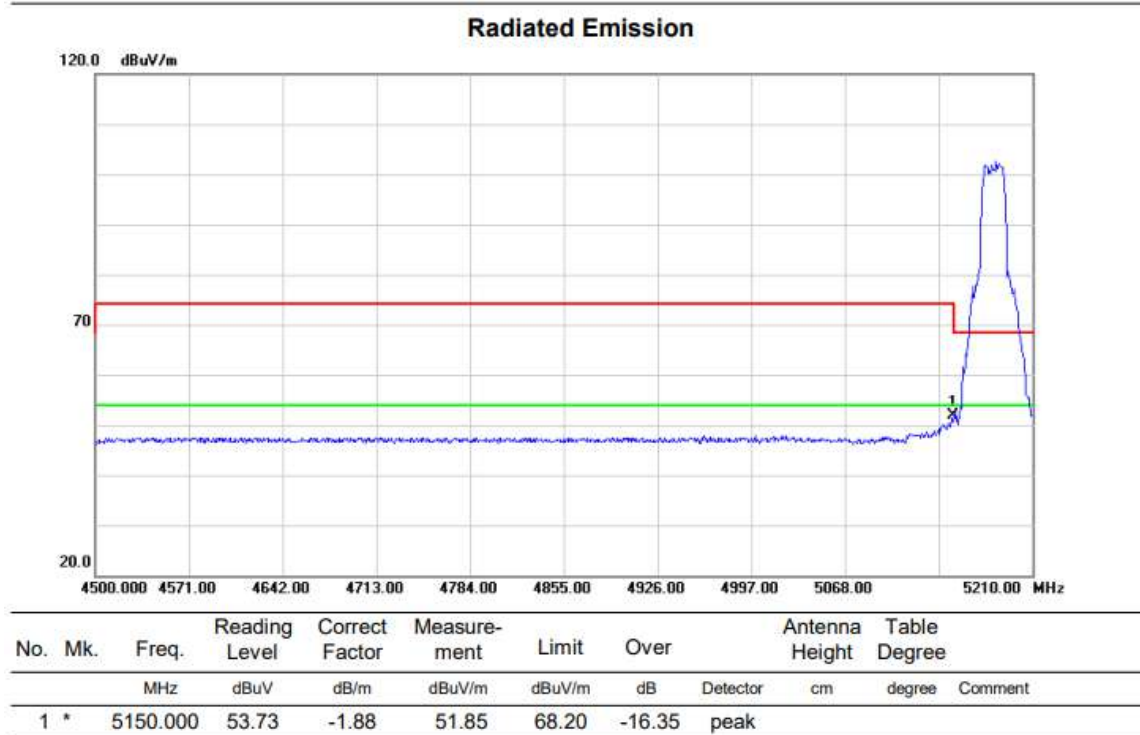
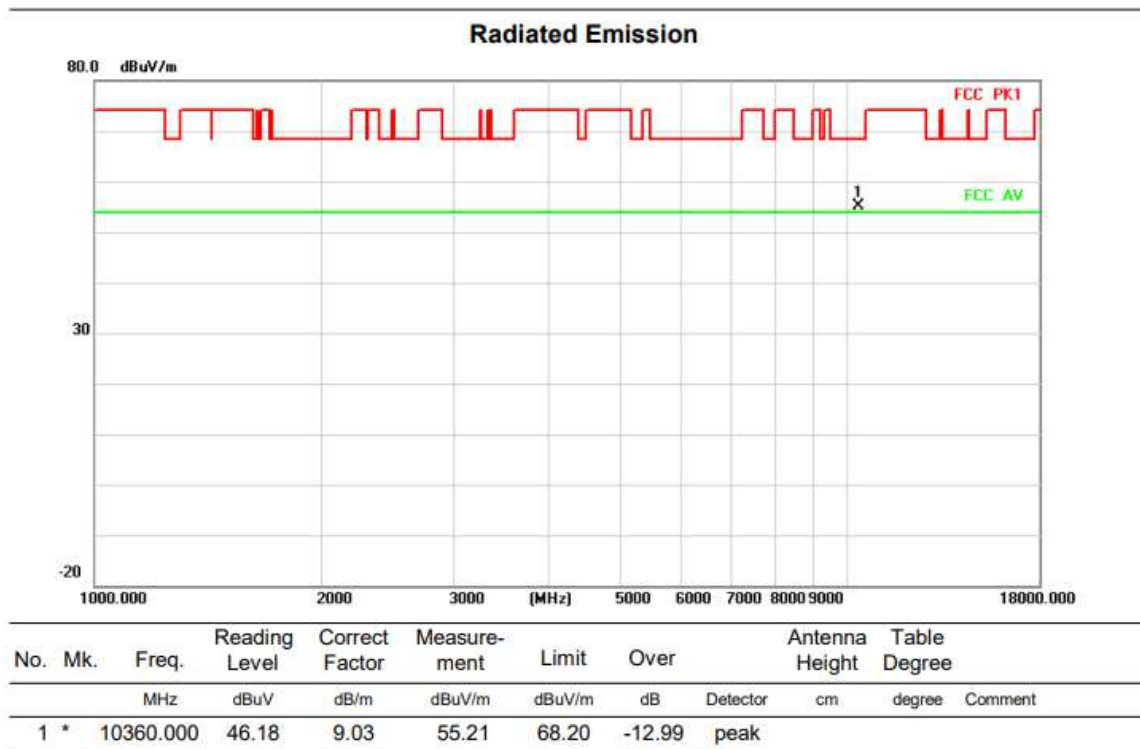
For EUT1

|                       |               |                 |
|-----------------------|---------------|-----------------|
| Above 1G (1GHz~18GHz) | Test mode:11A | Test Channel:36 |
|-----------------------|---------------|-----------------|

#### VERTICAL



## HORIZONTAL

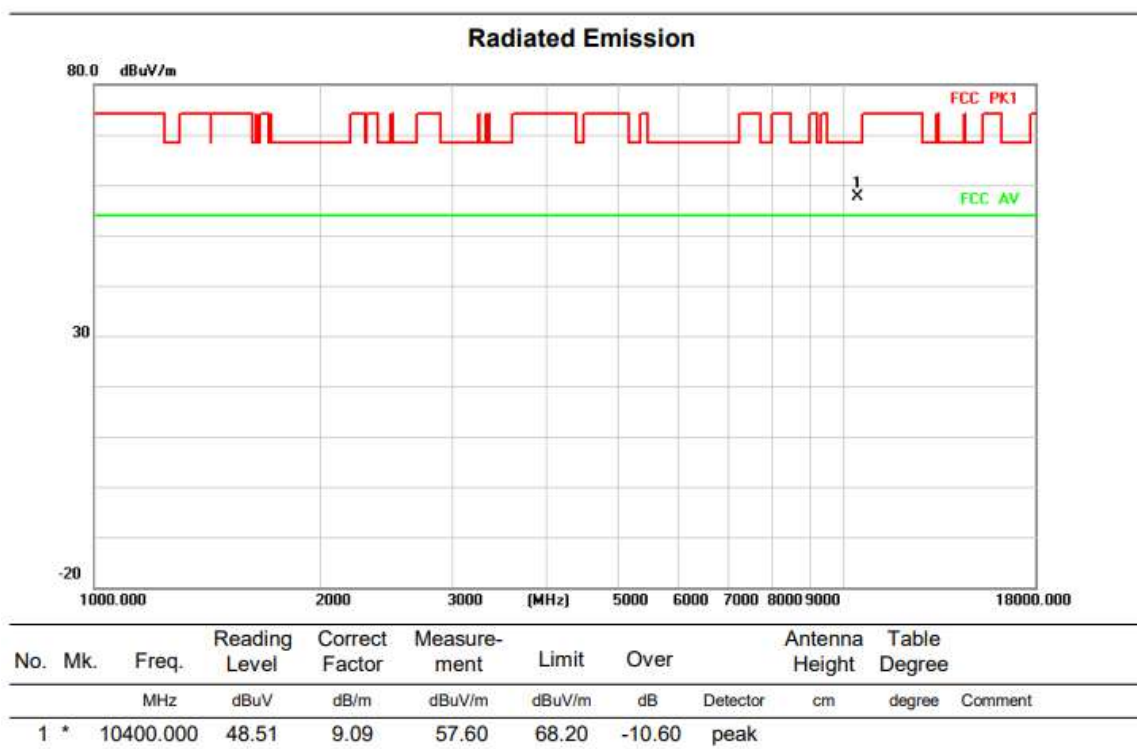


Above 1G (1GHz~18GHz)

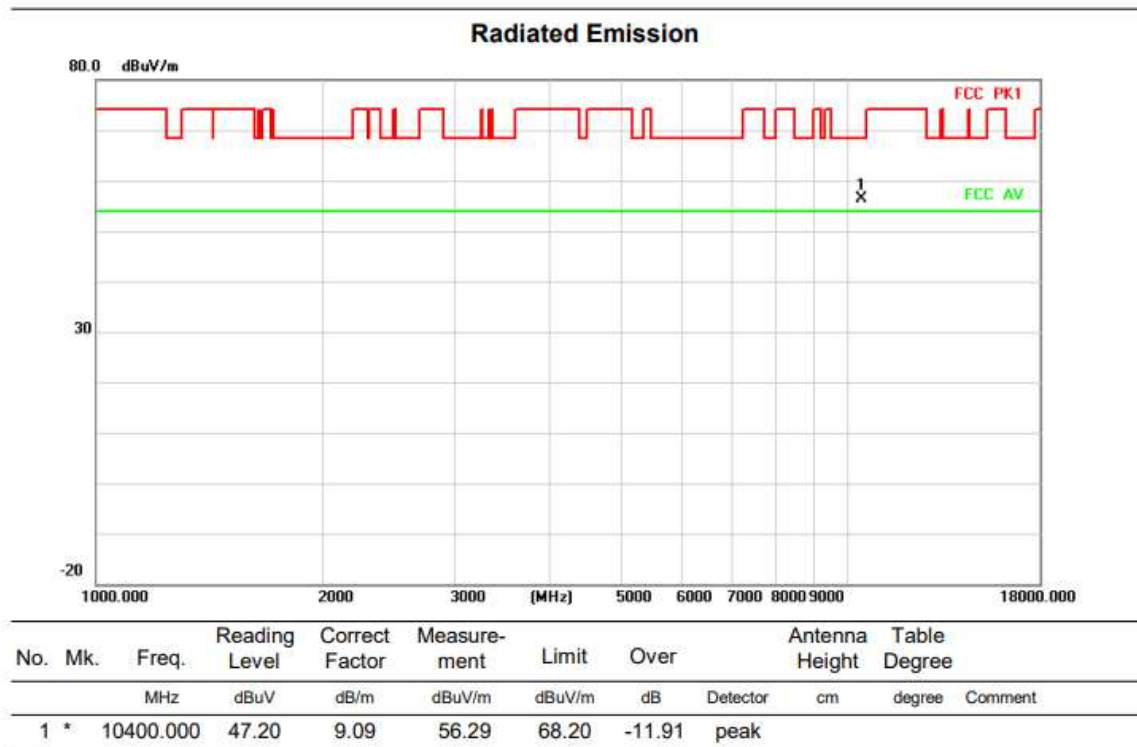
Test mode: 11A

Test Channel:40

VERTICAL



HORIZONTAL

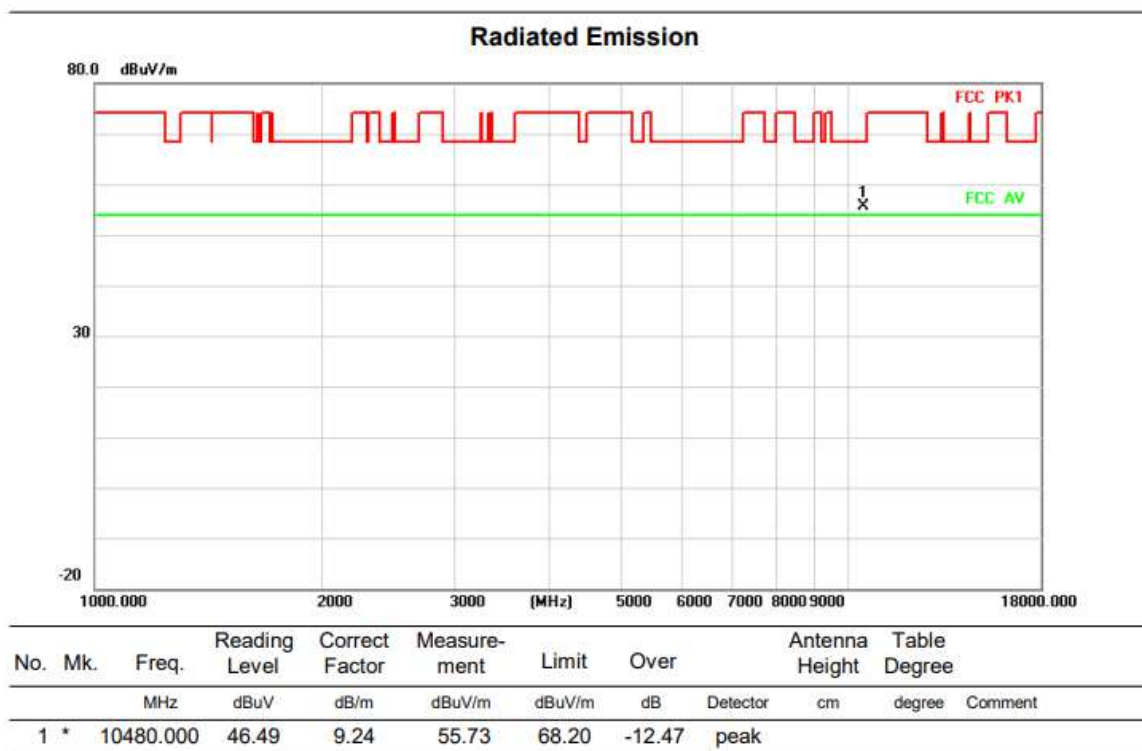


Above 1G (1GHz~18GHz)

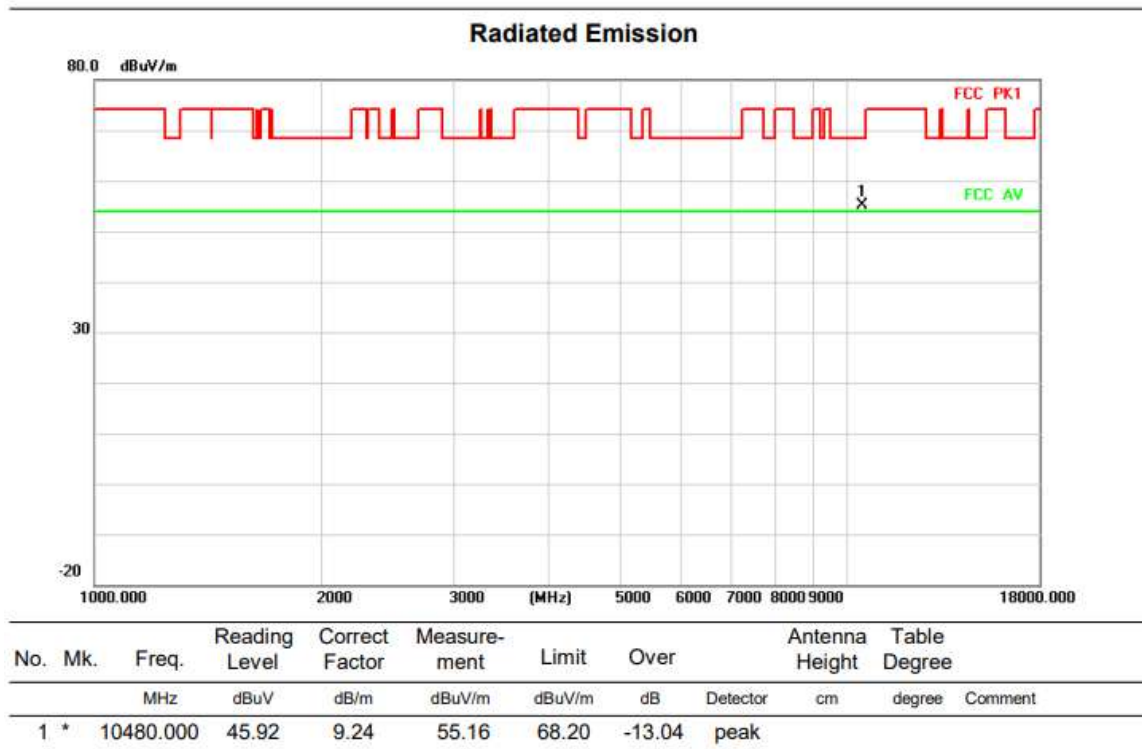
Test mode: 11A

Test Channel:48

VERTICAL



HORIZONTAL

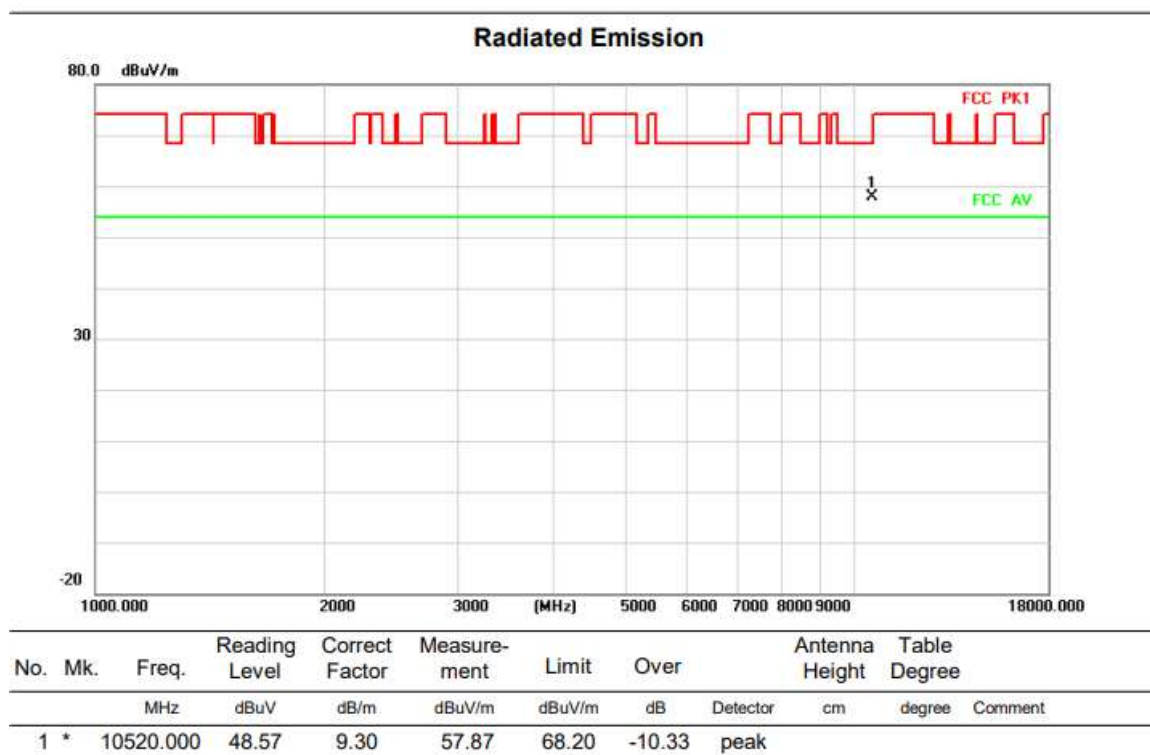


Above 1G (1GHz~18GHz)

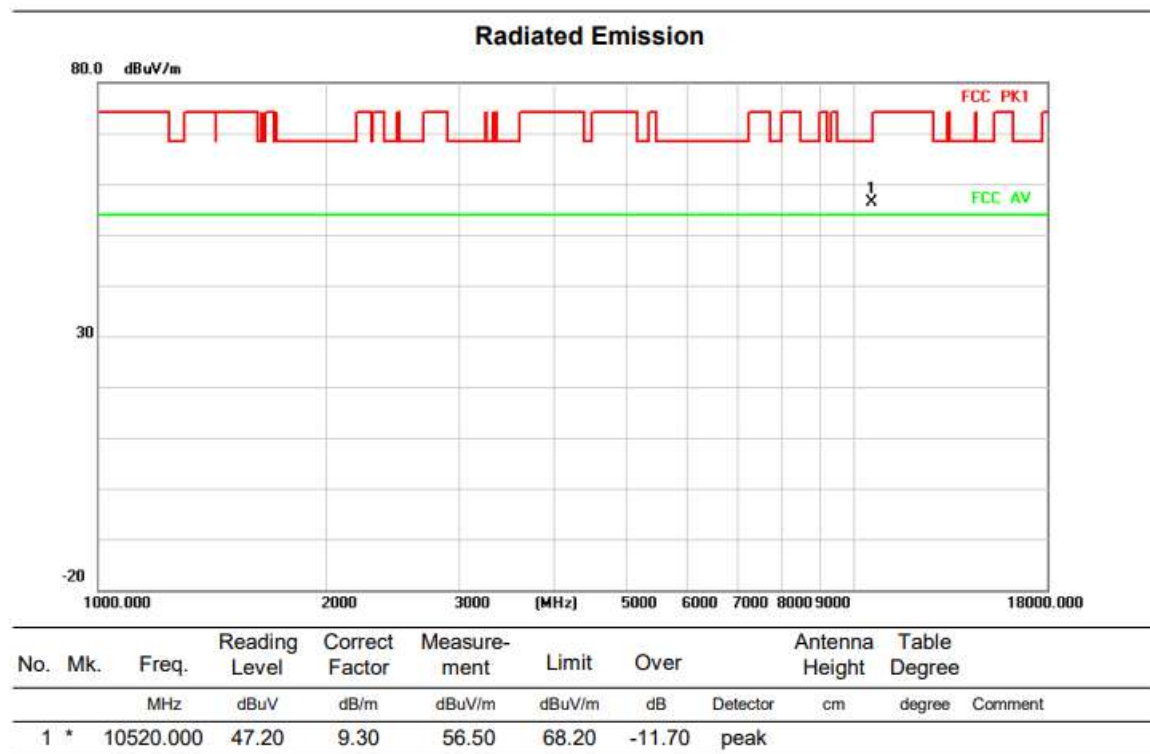
Test mode: 11A

Test Channel:52

VERTICAL



HORIZONTAL



Above 1G (1GHz~18GHz)

Test mode: 11A

Test Channel:56

VERTICAL

### Radiated Emission



| No. | Mk. | Freq.     | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |        |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|--------|
|     |     | MHz       | dBuV          | dB/m           | dBuV/m      | dBuV/m | dB     | Detector       | cm           | degree |
| 1   | *   | 10560.000 | 48.10         | 9.37           | 57.47       | 68.20  | -10.73 | peak           |              |        |

HORIZONTAL

### Radiated Emission



| No. | Mk. | Freq.     | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |        |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|--------|
|     |     | MHz       | dBuV          | dB/m           | dBuV/m      | dBuV/m | dB     | Detector       | cm           | degree |
| 1   | *   | 10560.000 | 46.60         | 9.37           | 55.97       | 68.20  | -12.23 | peak           |              |        |

Above 1G (1GHz~18GHz)

Test mode: 11A

Test Channel:64

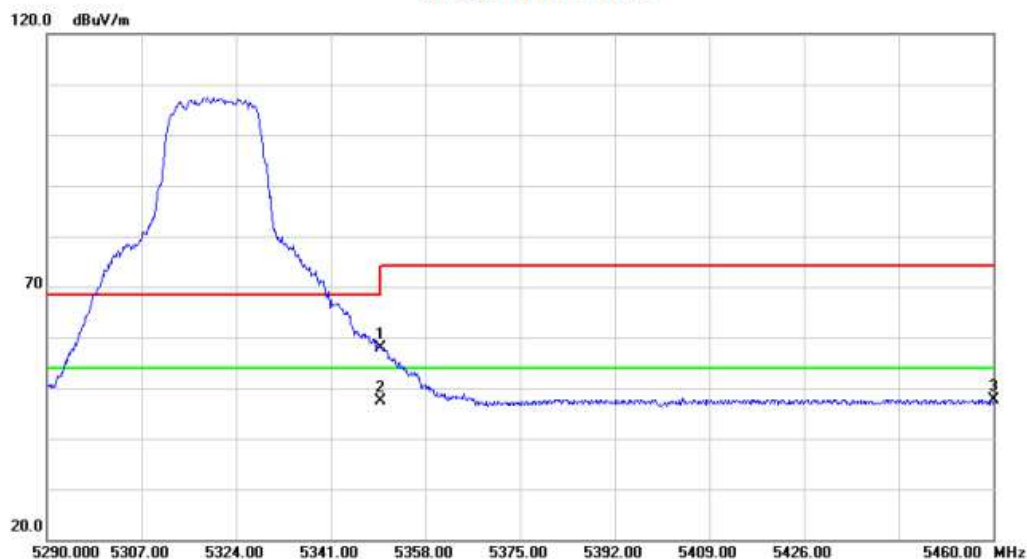
VERTICAL

### Radiated Emission



| No. | Mk. | Freq.     | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |         |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
|     |     | MHz       | dBuV          | dB/m           | dBuV/m      | dBuV/m | dB     | cm             | degree       | Comment |
| 1   |     | 10640.000 | 46.75         | 9.52           | 56.27       | 74.00  | -17.73 | peak           |              |         |
| 2 * |     | 10640.000 | 36.63         | 9.52           | 46.15       | 54.00  | -7.85  | AVG            |              |         |

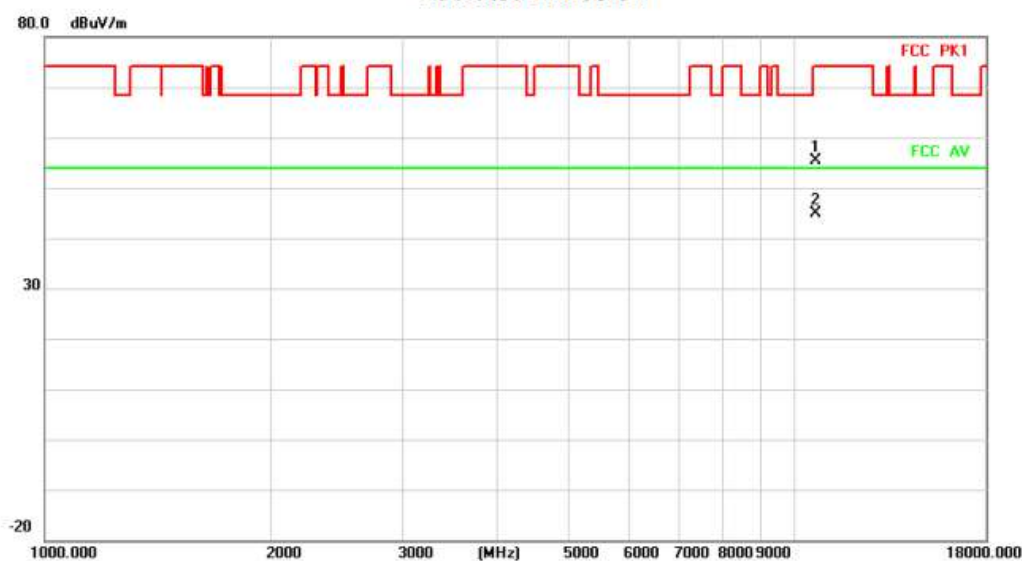
### Radiated Emission



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
|     |     | MHz      | dBuV          | dB/m           | dBuV/m      | dBuV/m | dB     | cm             | degree       | Comment |
| 1   |     | 5350.000 | 60.56         | -2.78          | 57.78       | 68.20  | -10.42 | peak           |              |         |
| 2 * |     | 5350.000 | 50.06         | -2.78          | 47.28       | 54.00  | -6.72  | AVG            |              |         |
| 3   |     | 5460.000 | 50.35         | -2.67          | 47.68       | 68.20  | -20.52 | peak           |              |         |

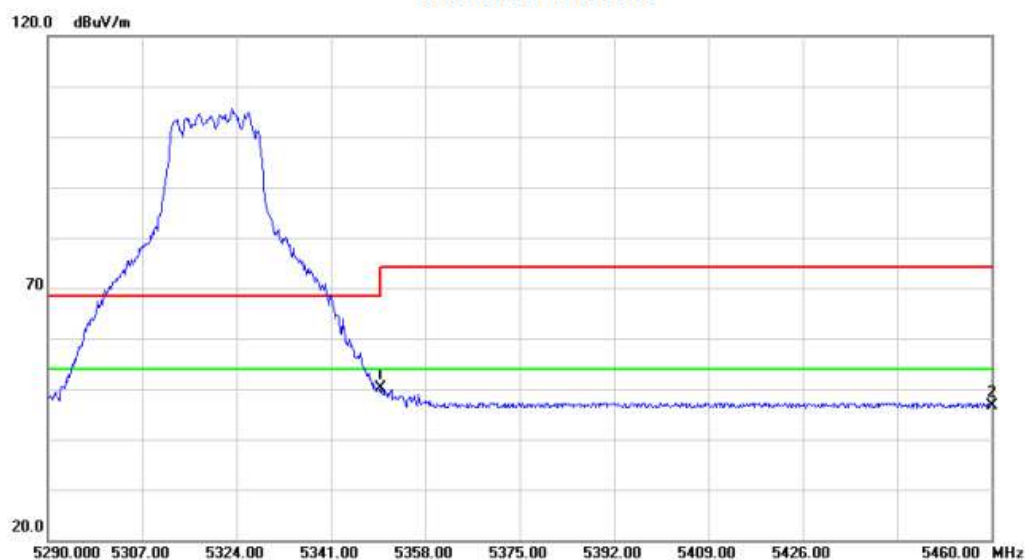
## HORIZONTALA

## Radiated Emission



| No. | Mk. | Freq.     | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |         |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
|     |     | MHz       | dBuV          | dB/m           | dBuV/m      | dBuV/m | dB     | cm             | degree       | Comment |
| 1   |     | 10640.000 | 45.95         | 9.52           | 55.47       | 74.00  | -18.53 | peak           |              |         |
| 2 * |     | 10640.000 | 35.24         | 9.52           | 44.76       | 54.00  | -9.24  | AVG            |              |         |

## Radiated Emission



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
|     |     | MHz      | dBuV          | dB/m           | dBuV/m      | dBuV/m | dB     | cm             | degree       | Comment |
| 1 * |     | 5350.000 | 52.79         | -2.78          | 50.01       | 68.20  | -18.19 | peak           |              |         |
| 2   |     | 5460.000 | 49.21         | -2.67          | 46.54       | 68.20  | -21.66 | peak           |              |         |

Above 1G (1GHz~18GHz)

Test mode: 11A

Test Channel:100

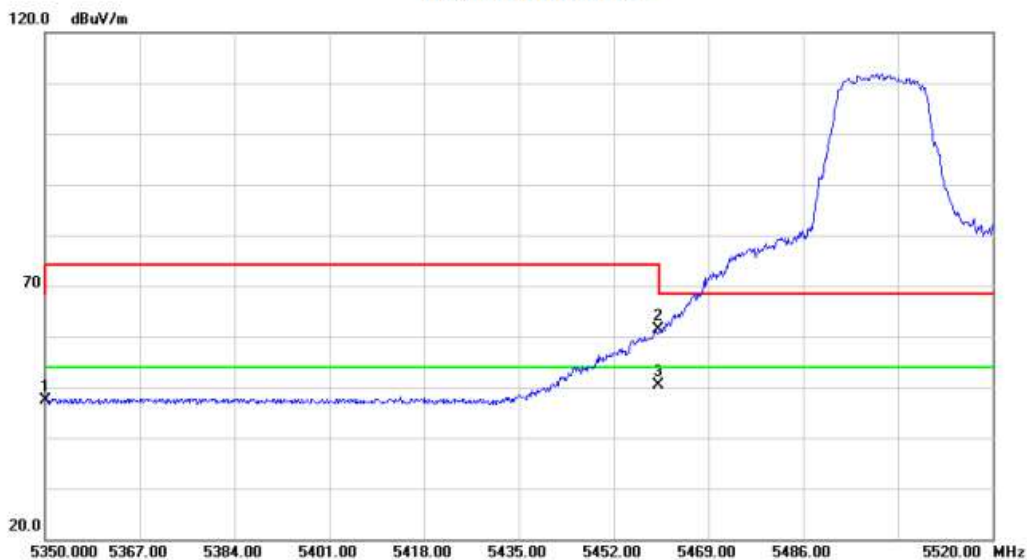
VERTICAL

### Radiated Emission



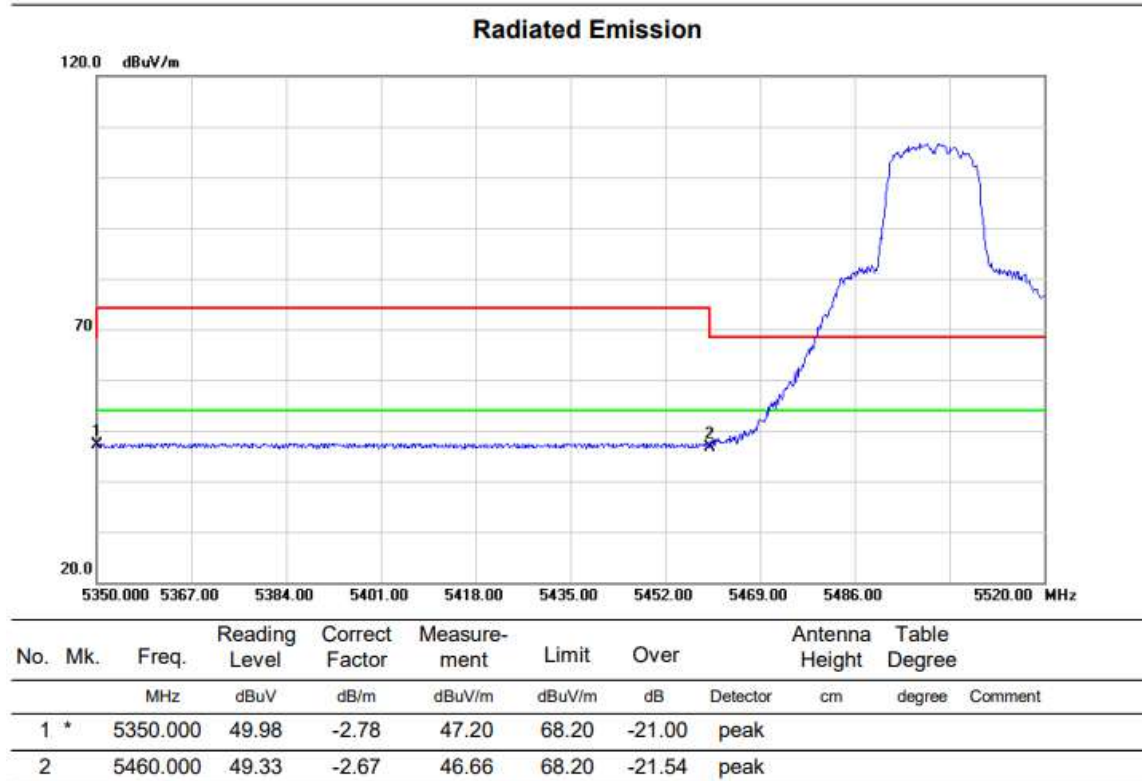
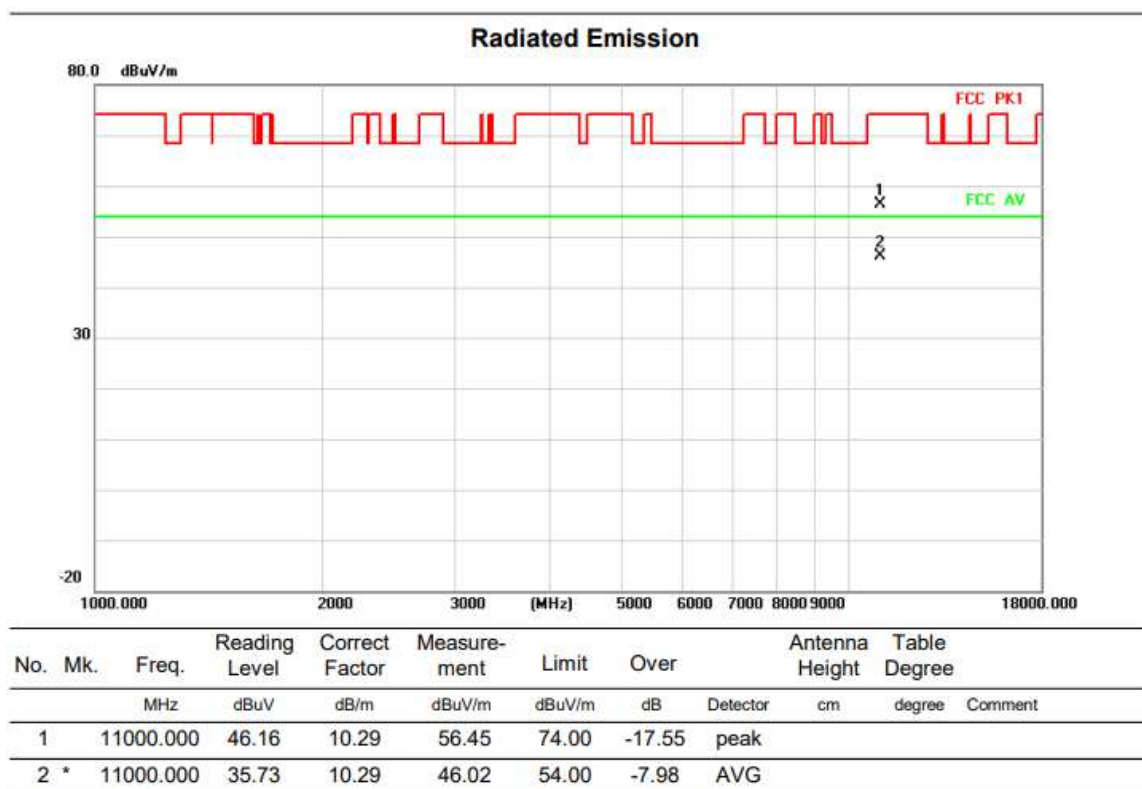
| No. | Mk. | Freq.     | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |         |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
|     |     | MHz       | dBuV          | dB/m           | dBuV/m      | dBuV/m | dB     | cm             | degree       | Comment |
| 1   |     | 11000.000 | 46.65         | 10.29          | 56.94       | 74.00  | -17.06 | peak           |              |         |
| 2 * |     | 11000.000 | 36.26         | 10.29          | 46.55       | 54.00  | -7.45  | AVG            |              |         |

### Radiated Emission



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
|     |     | MHz      | dBuV          | dB/m           | dBuV/m      | dBuV/m | dB     | cm             | degree       | Comment |
| 1   |     | 5350.000 | 50.17         | -2.78          | 47.39       | 68.20  | -20.81 | peak           |              |         |
| 2   |     | 5460.000 | 64.07         | -2.67          | 61.40       | 68.20  | -6.80  | peak           |              |         |
| 3 * |     | 5460.000 | 53.07         | -2.67          | 50.40       | 54.00  | -3.60  | AVG            |              |         |

## HORIZONTALA

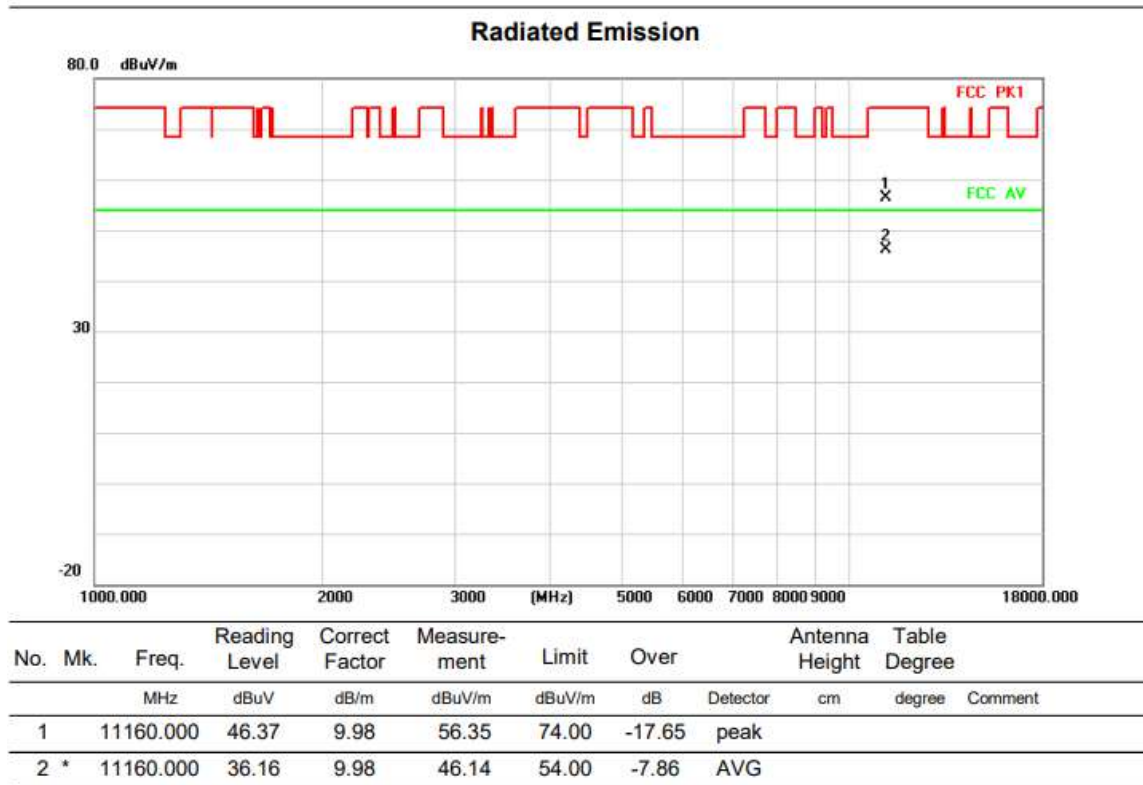


Above 1G (1GHz~18GHz)

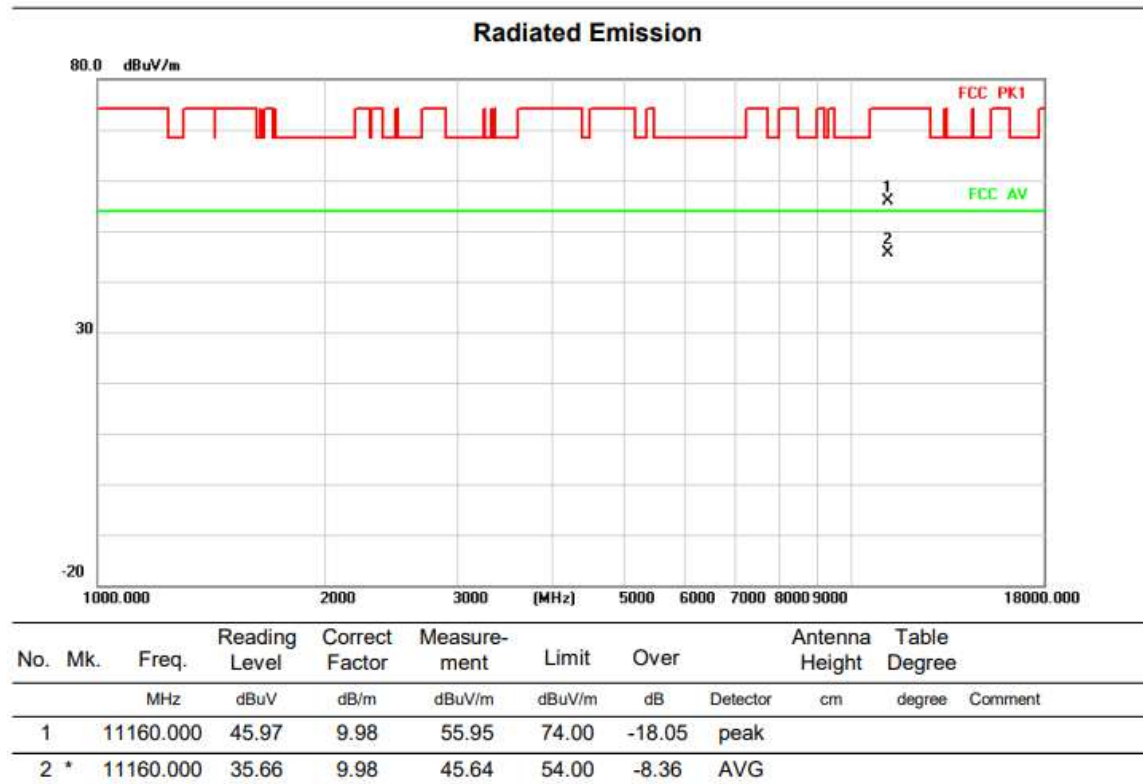
Test mode: 11A

Test Channel:116

VERTICAL



HORIZONTAL

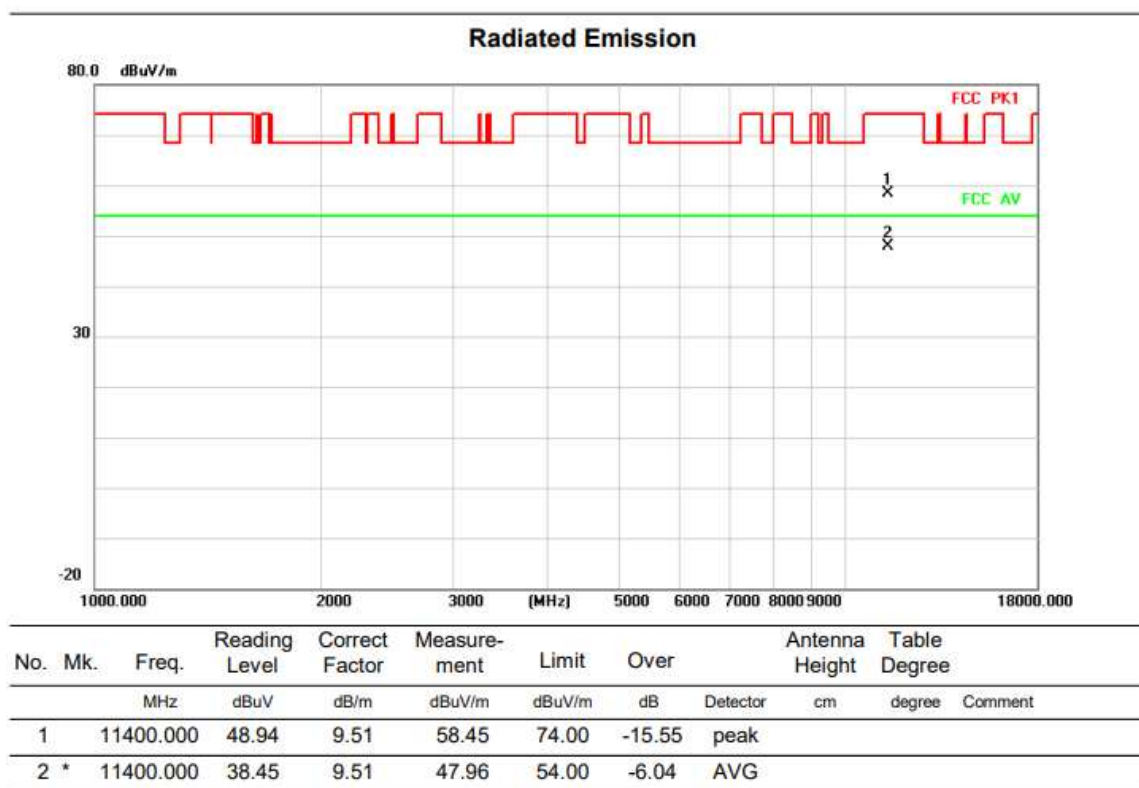


Above 1G (1GHz~18GHz)

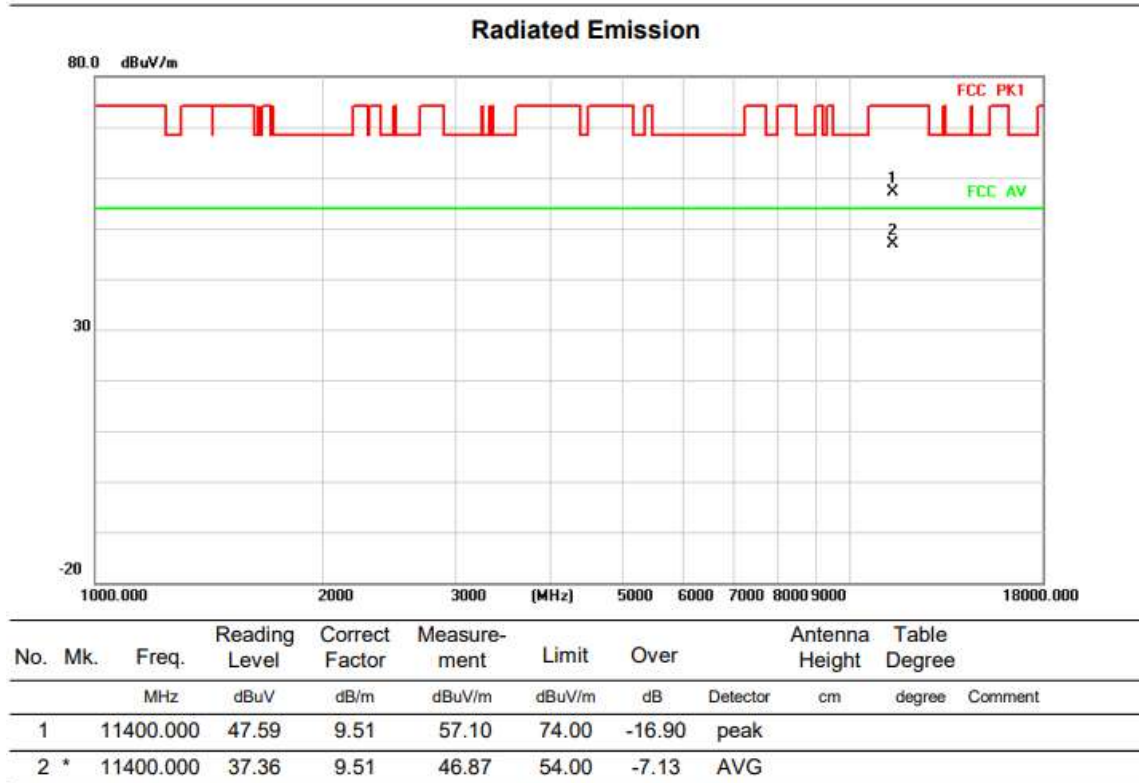
Test mode: 11A

Test Channel:140

VERTICAL



HORIZONTAL



Above 1G (1GHz~18GHz)

Test mode: 11A

Test Channel:149

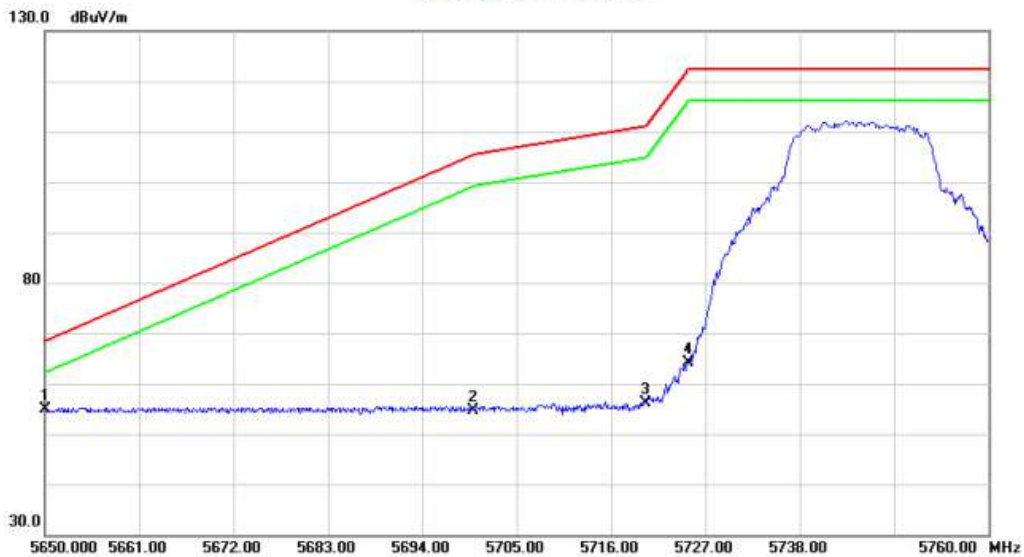
VERTICAL

### Radiated Emission



| No. | Mk. | Freq.     | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |         |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
|     |     | MHz       | dBuV          | dB/m           | dBuV/m      | dBuV/m | dB     | cm             | degree       | Comment |
| 1   |     | 11490.000 | 46.92         | 9.78           | 56.70       | 74.00  | -17.30 | peak           |              |         |
| 2 * |     | 11490.000 | 36.22         | 9.78           | 46.00       | 54.00  | -8.00  | AVG            |              |         |

### Radiated Emission



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
|     |     | MHz      | dBuV          | dB/m           | dBuV/m      | dBuV/m | dB     | cm             | degree       | Comment |
| 1 * |     | 5650.000 | 57.05         | -2.09          | 54.96       | 68.20  | -13.24 | peak           |              |         |
| 2   |     | 5700.000 | 56.80         | -2.19          | 54.61       | 105.20 | -50.59 | peak           |              |         |
| 3   |     | 5720.000 | 58.29         | -2.23          | 56.06       | 110.80 | -54.74 | peak           |              |         |
| 4   |     | 5725.000 | 66.37         | -2.24          | 64.13       | 122.20 | -58.07 | peak           |              |         |

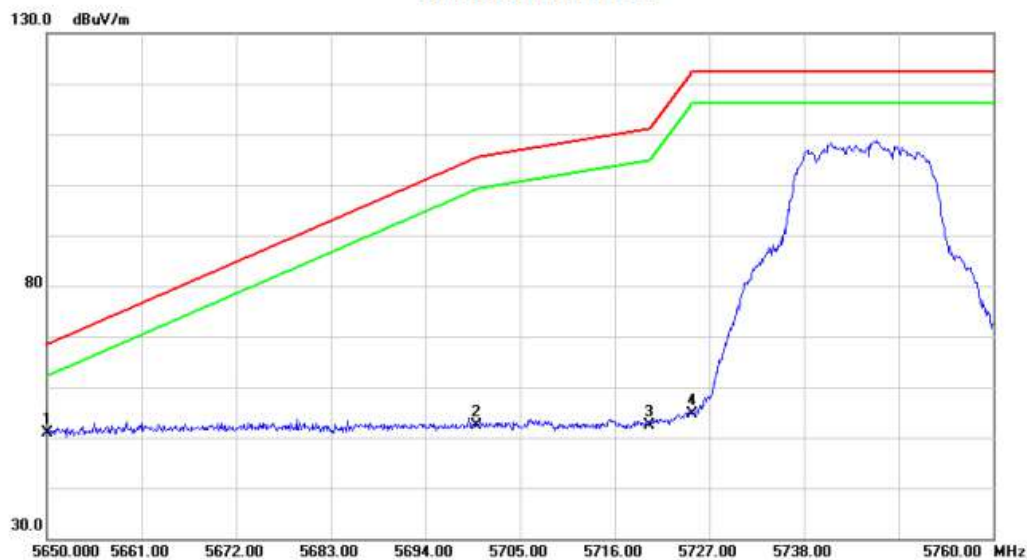
## HORIZONTAL

## Radiated Emission



| No. | Mk. | Freq.     | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |         |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
|     |     | MHz       | dBuV          | dB/m           | dBuV/m      | dBuV/m | dB     | cm             | degree       | Comment |
| 1   |     | 11490.000 | 45.85         | 9.78           | 55.63       | 74.00  | -18.37 | peak           |              |         |
| 2 * |     | 11490.000 | 35.33         | 9.78           | 45.11       | 54.00  | -8.89  | AVG            |              |         |

## Radiated Emission



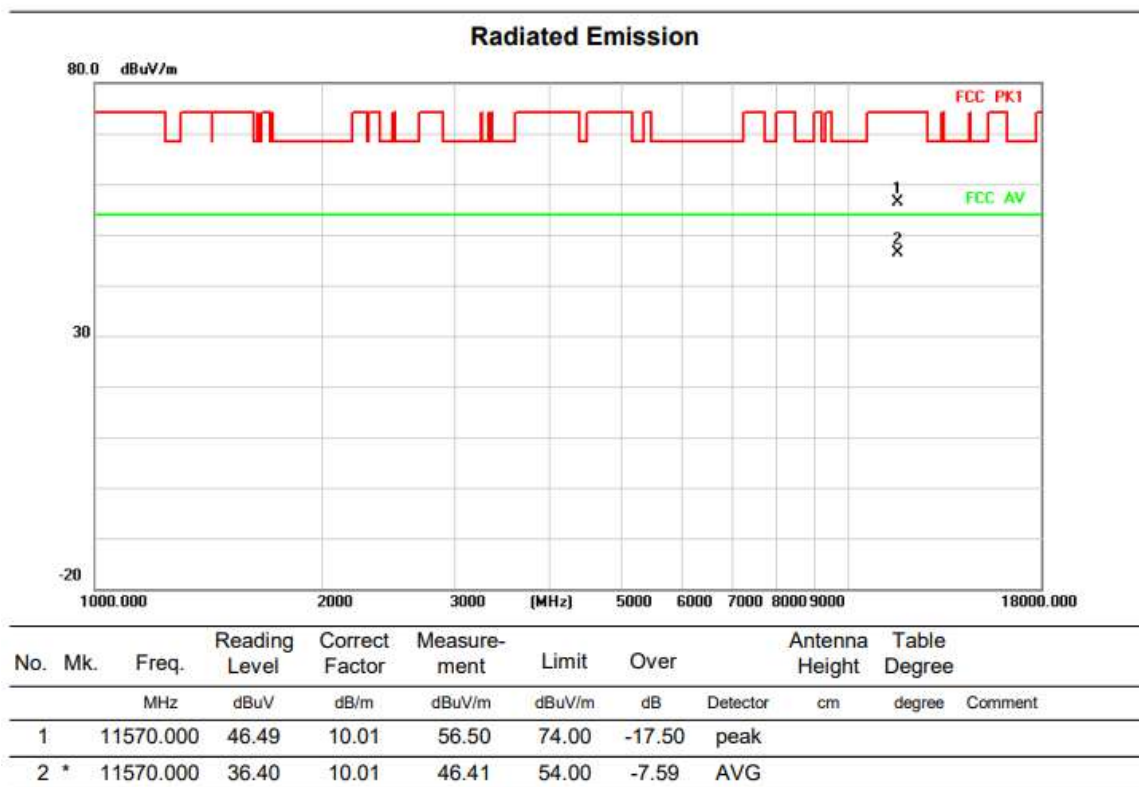
| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
|     |     | MHz      | dBuV          | dB/m           | dBuV/m      | dBuV/m | dB     | cm             | degree       | Comment |
| 1 * |     | 5650.000 | 52.99         | -2.09          | 50.90       | 68.20  | -17.30 | peak           |              |         |
| 2   |     | 5700.000 | 54.55         | -2.19          | 52.36       | 105.20 | -52.84 | peak           |              |         |
| 3   |     | 5720.000 | 54.61         | -2.23          | 52.38       | 110.80 | -58.42 | peak           |              |         |
| 4   |     | 5725.000 | 56.97         | -2.24          | 54.73       | 122.20 | -67.47 | peak           |              |         |

Above 1G (1GHz~18GHz)

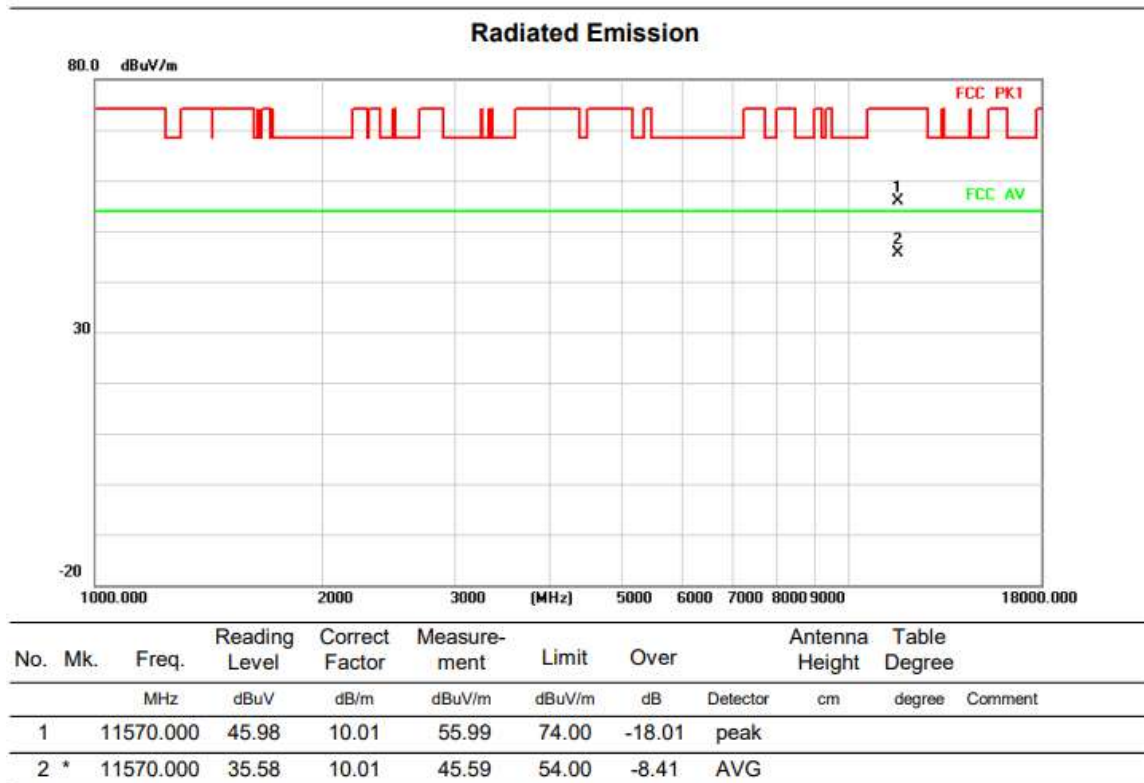
Test mode: 11A

Test Channel:157

VERTICAL



HORIZONTAL



Above 1G (1GHz~18GHz)

Test mode: 11A

Test Channel:165

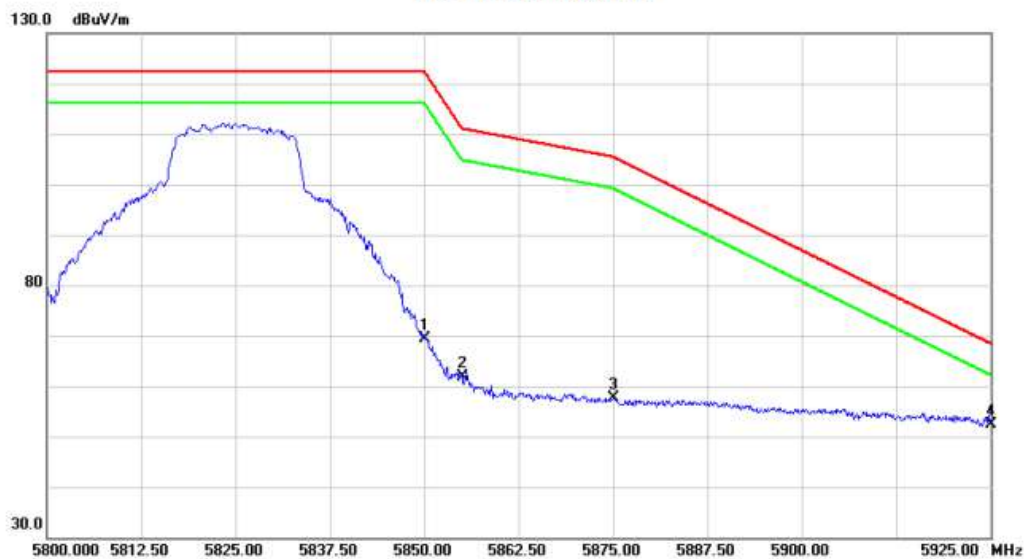
VERTICAL

### Radiated Emission



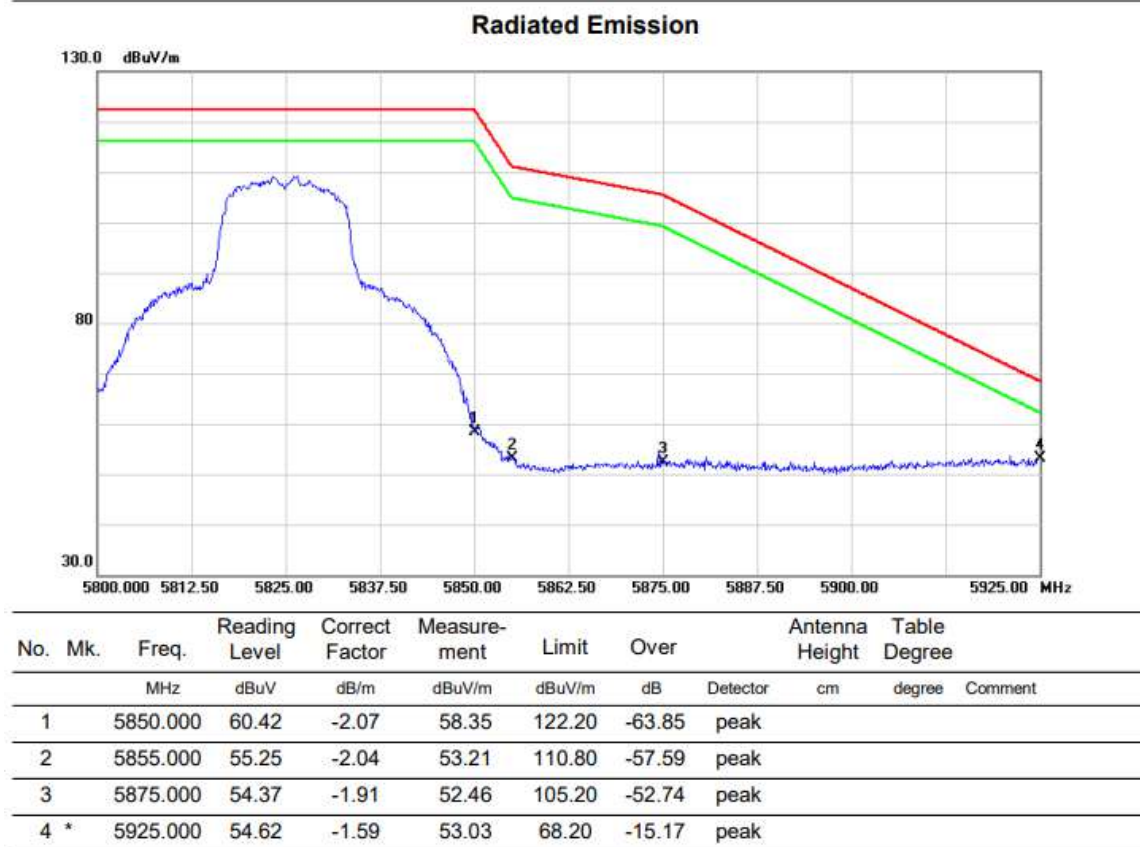
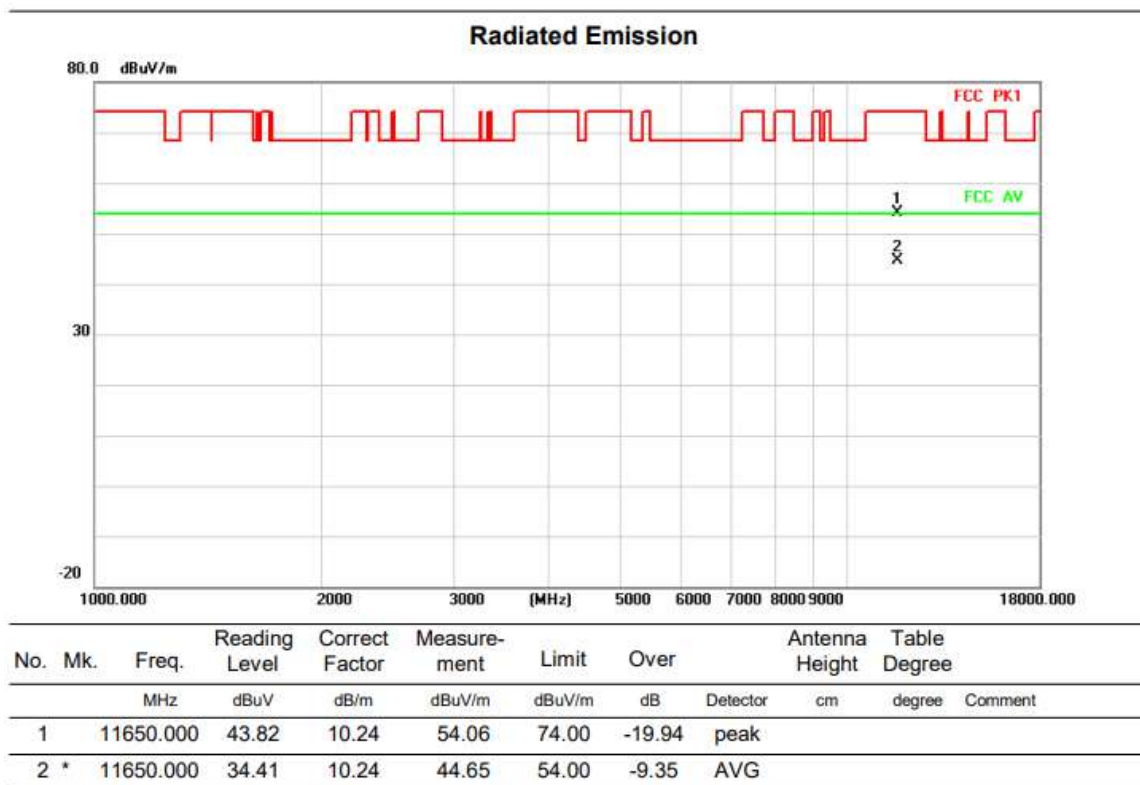
| No. | Mk. | Freq.     | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |        |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|--------|
|     |     | MHz       | dBuV          | dB/m           | dBuV/m      | dBuV/m | dB     | Detector       | cm           | degree |
| 1   |     | 11650.000 | 45.75         | 10.24          | 55.99       | 74.00  | -18.01 | peak           |              |        |
| 2 * |     | 11650.000 | 35.01         | 10.24          | 45.25       | 54.00  | -8.75  | AVG            |              |        |

### Radiated Emission



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |        |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------------|--------------|--------|
|     |     | MHz      | dBuV          | dB/m           | dBuV/m      | dBuV/m | dB     | Detector       | cm           | degree |
| 1   |     | 5850.000 | 71.33         | -2.07          | 69.26       | 122.20 | -52.94 | peak           |              |        |
| 2   |     | 5855.000 | 63.90         | -2.04          | 61.86       | 110.80 | -48.94 | peak           |              |        |
| 3   |     | 5875.000 | 59.48         | -1.91          | 57.57       | 105.20 | -47.63 | peak           |              |        |
| 4 * |     | 5925.000 | 53.94         | -1.59          | 52.35       | 68.20  | -15.85 | peak           |              |        |

## HORIZONTAL



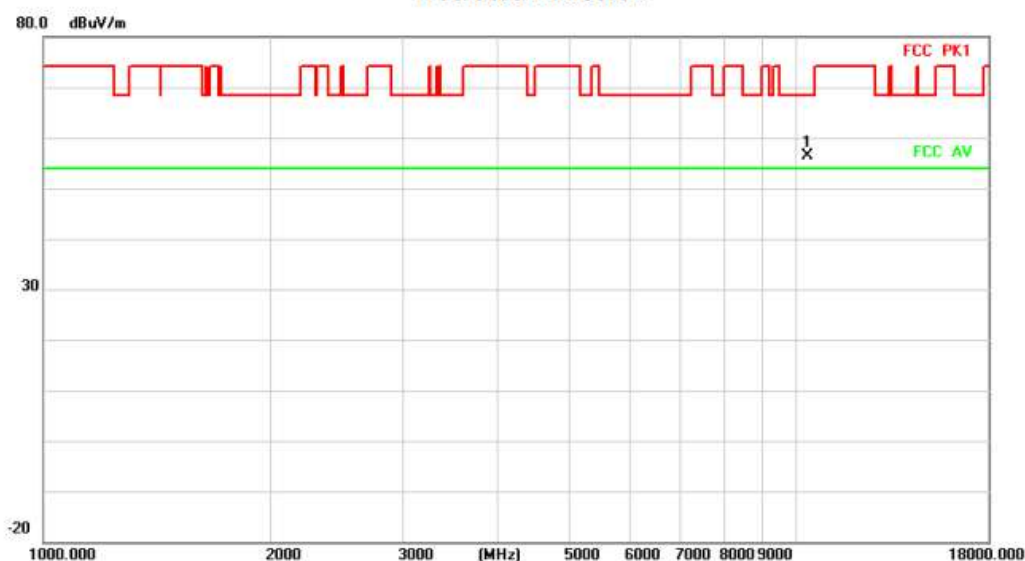
Above 1G (1GHz~18GHz)

Test mode: 11N20MIMO

Test Channel:36

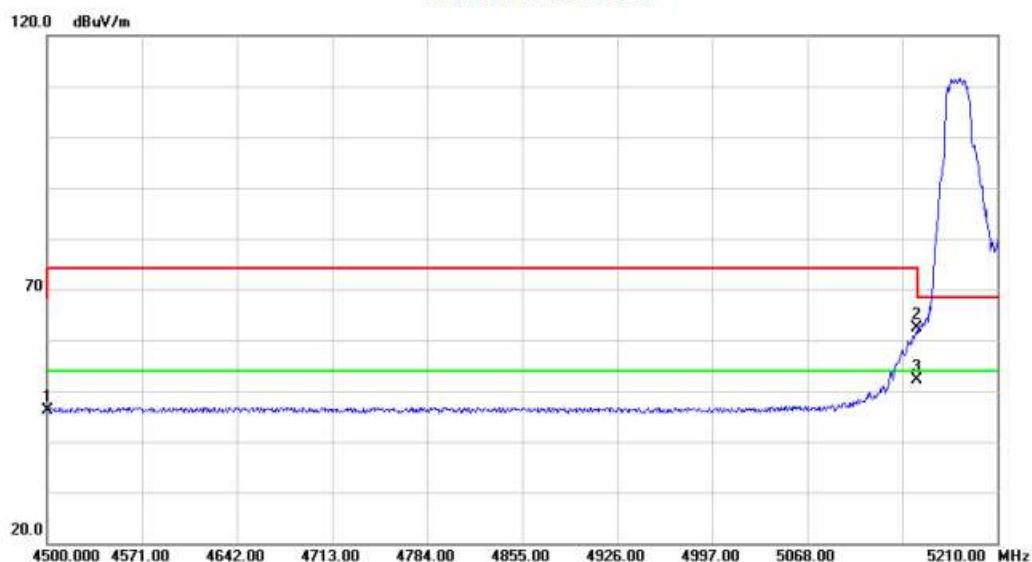
# VERTICAL

## Radiated Emission



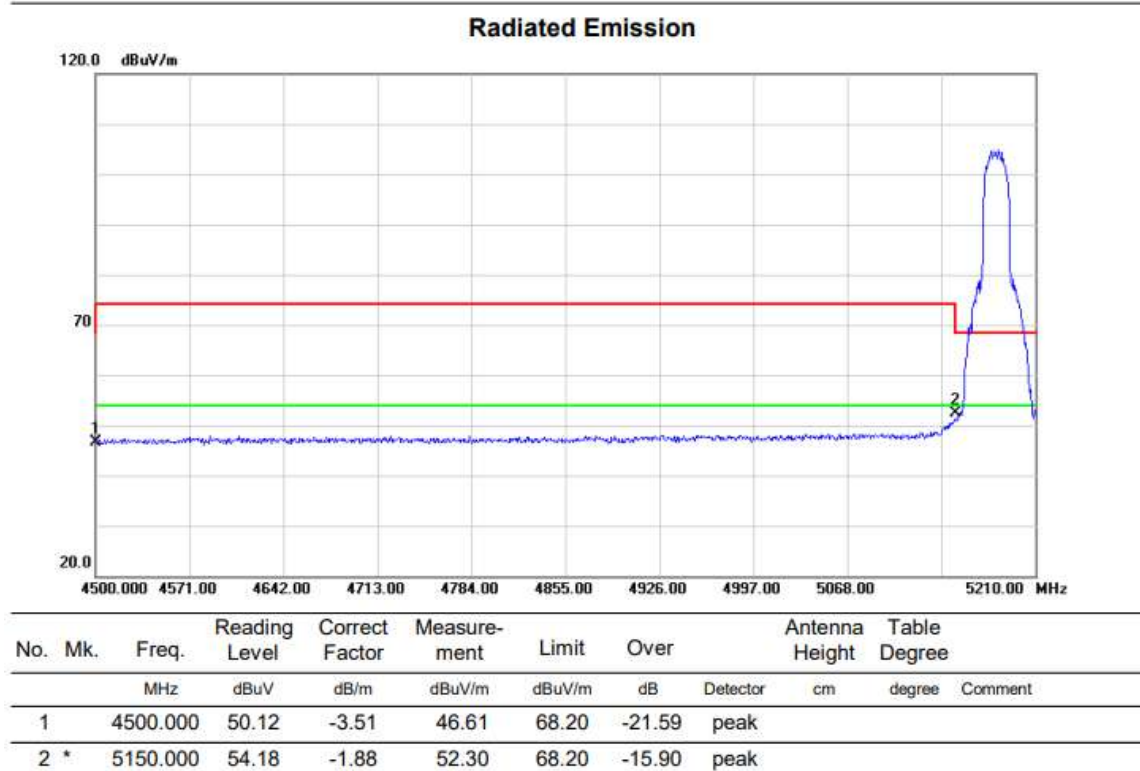
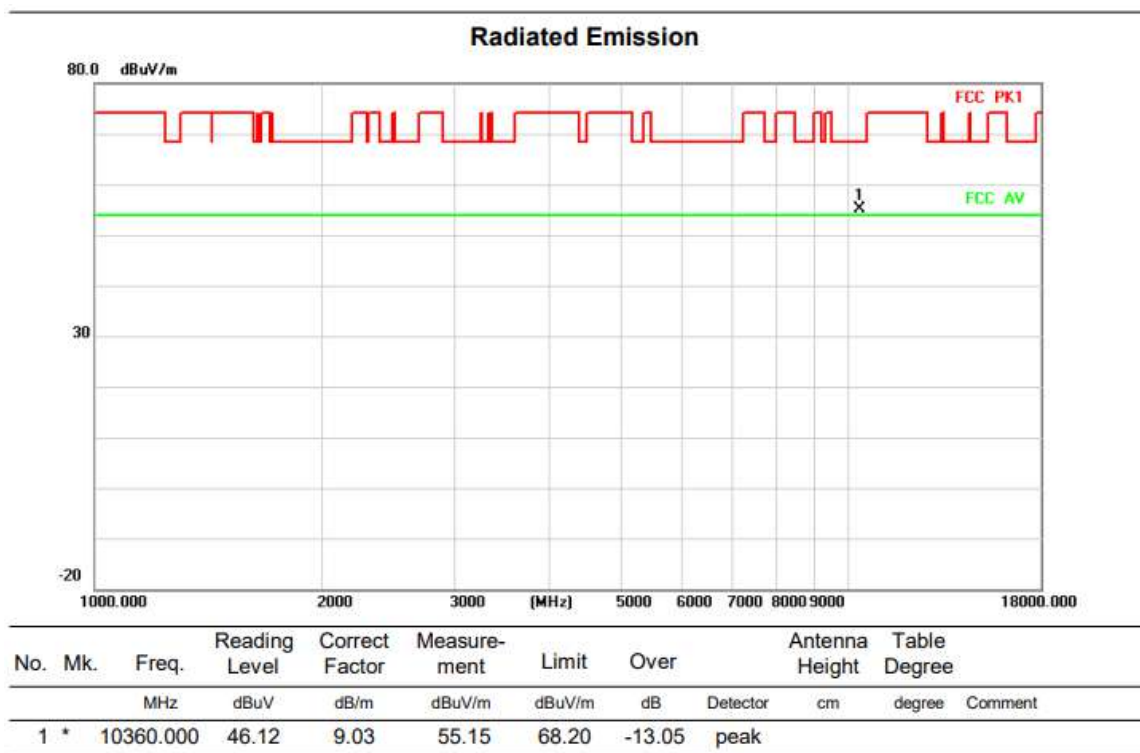
| No. | Mk. | Freq.     | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |        |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|--------|
|     |     | MHz       | dBuV          | dB/m           | dBuV/m      | dBuV/m | dB     | Detector       | cm           | degree |
| 1   | *   | 10360.000 | 47.34         | 9.03           | 56.37       | 68.20  | -11.83 | peak           |              |        |

## Radiated Emission



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |        |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------------|--------------|--------|
|     |     | MHz      | dBuV          | dB/m           | dBuV/m      | dBuV/m | dB     | Detector       | cm           | degree |
| 1   |     | 4500.000 | 49.75         | -3.51          | 46.24       | 68.20  | -21.96 | peak           |              |        |
| 2   |     | 5150.000 | 64.32         | -1.88          | 62.44       | 68.20  | -5.76  | peak           |              |        |
| 3   | *   | 5150.000 | 54.05         | -1.88          | 52.17       | 54.00  | -1.83  | AVG            |              |        |

## HORIZONTALA

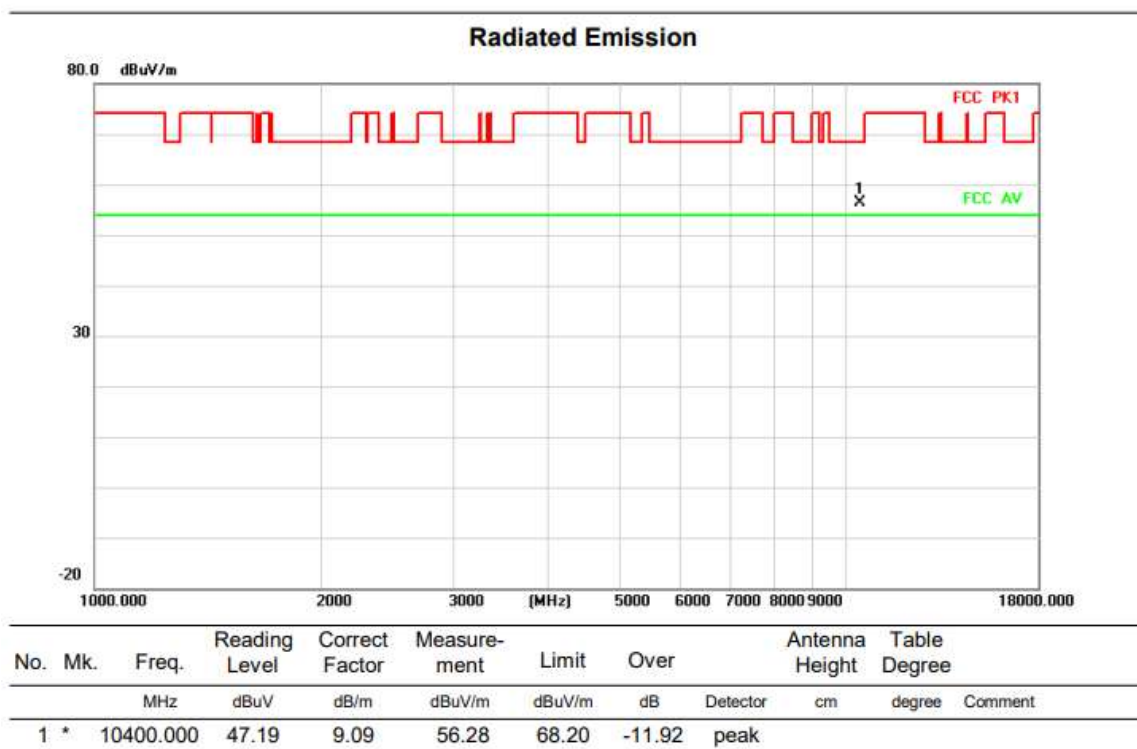


Above 1G (1GHz~18GHz)

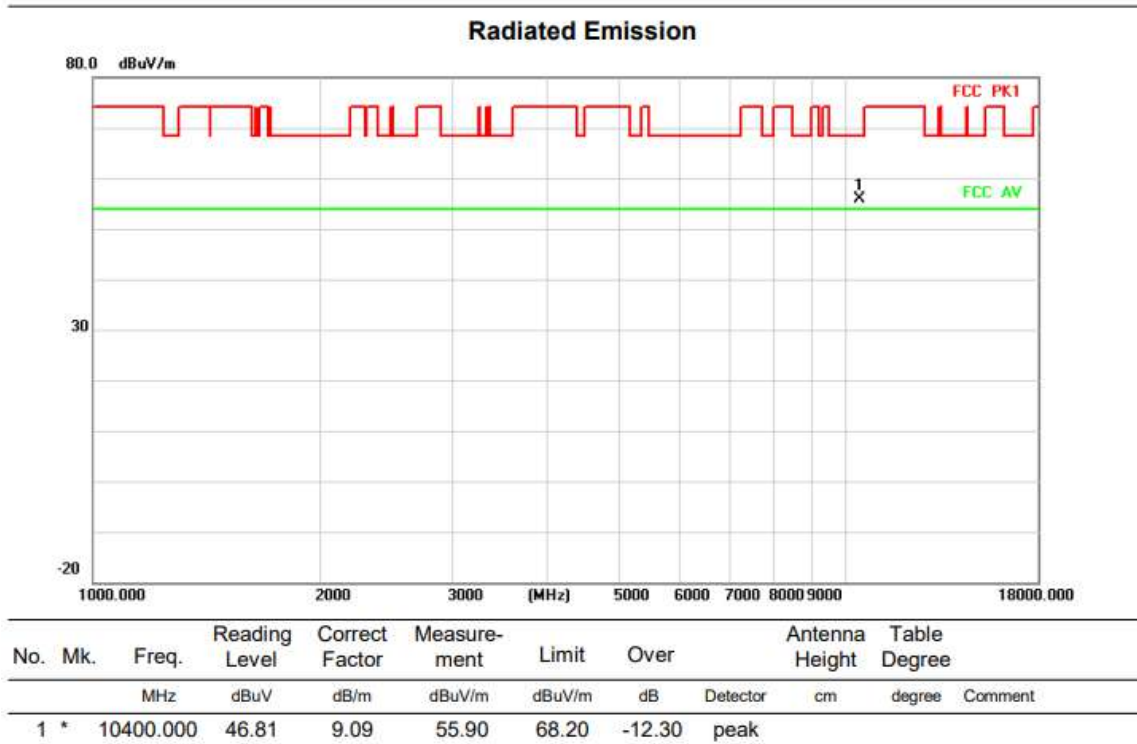
Test mode: 11N20MIMO

Test Channel:40

VERTICAL



HORIZONTAL

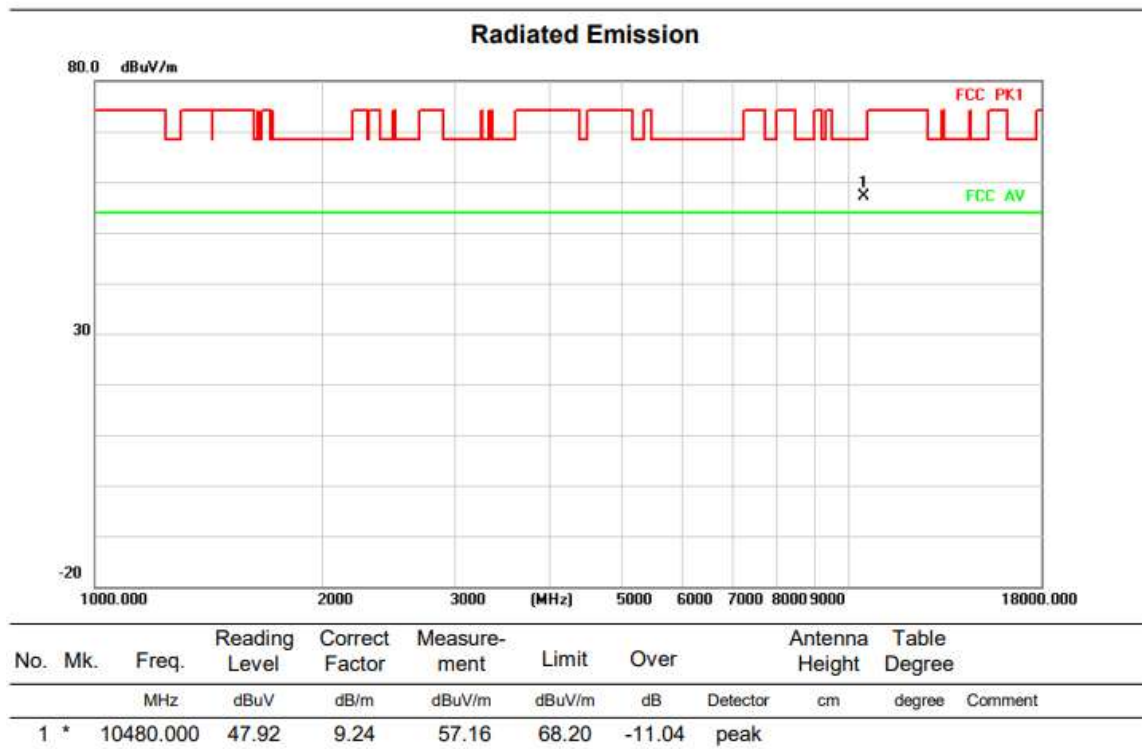


Above 1G (1GHz~18GHz)

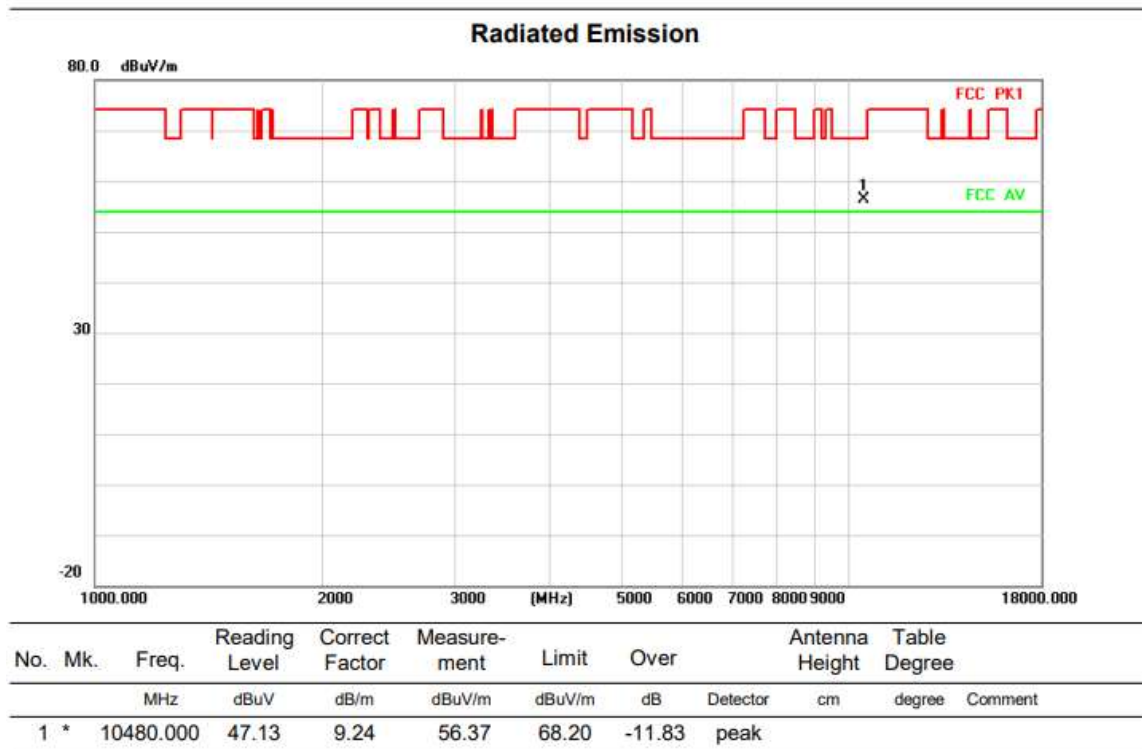
Test mode: 11N20MIMO

Test Channel:48

### VERTICAL



### HORIZONTAL

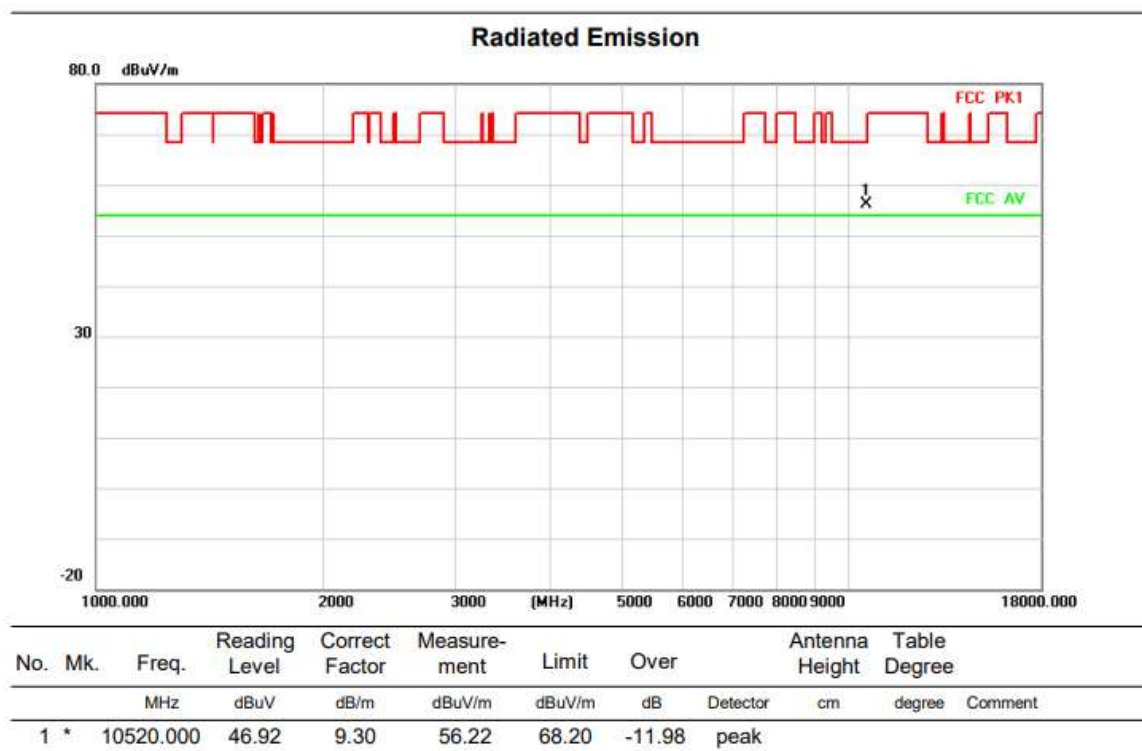


Above 1G (1GHz~18GHz)

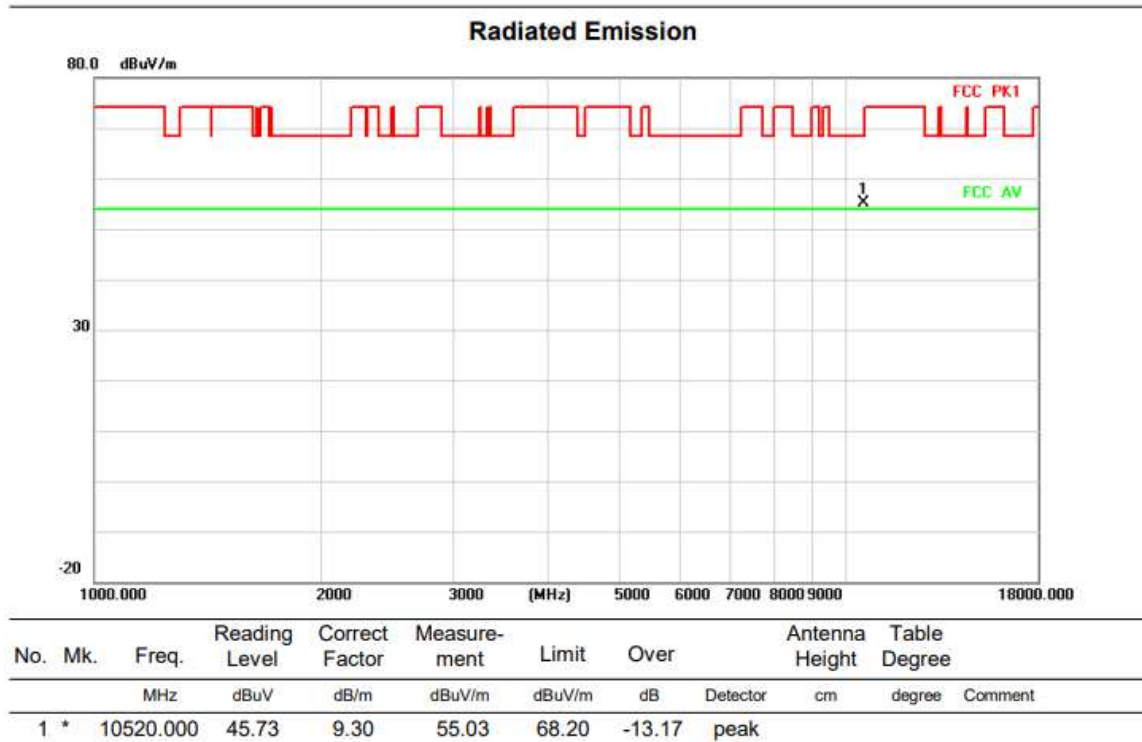
Test mode: 11N20MIMO

Test Channel:52

VERTICAL



HORIZONTAL



Above 1G (1GHz~18GHz)

Test mode: 11N20MIMO

Test Channel:56

VERTICAL

## Radiated Emission



| No. | Mk. | Freq.     | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |        |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|--------|
|     |     | MHz       | dBuV          | dB/m           | dBuV/m      | dBuV/m | dB     | Detector       | cm           | degree |
| 1   | *   | 10560.000 | 47.80         | 9.37           | 57.17       | 68.20  | -11.03 | peak           |              |        |

HORIZONTAL

## Radiated Emission



| No. | Mk. | Freq.     | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |        |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|--------|
|     |     | MHz       | dBuV          | dB/m           | dBuV/m      | dBuV/m | dB     | Detector       | cm           | degree |
| 1   | *   | 10560.000 | 47.25         | 9.37           | 56.62       | 68.20  | -11.58 | peak           |              |        |

Above 1G (1GHz~18GHz)

Test mode: 11N20MIMO

Test Channel:64

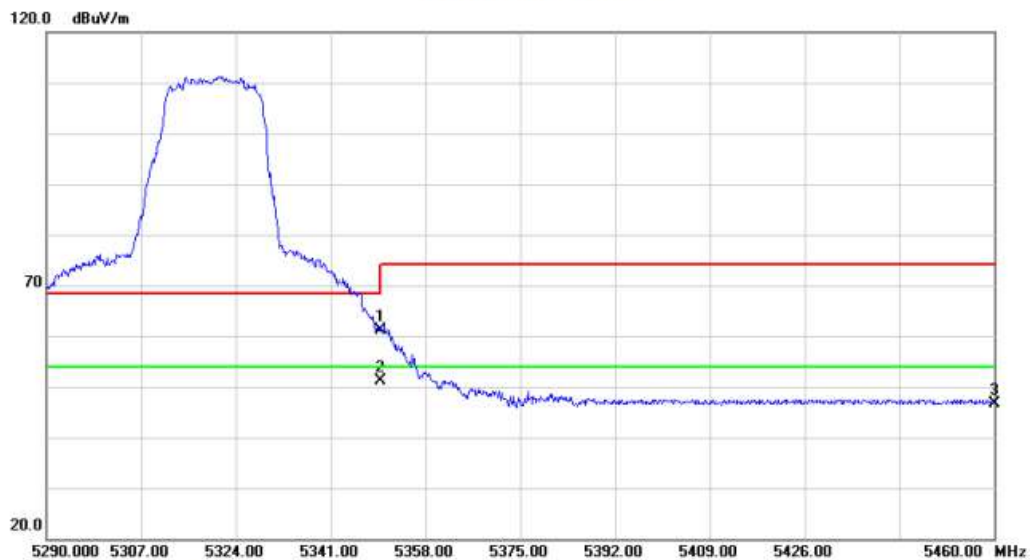
### VERTICAL

#### Radiated Emission



| No. | Mk. | Freq.     | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |        |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|--------|
|     |     | MHz       | dBuV          | dB/m           | dBuV/m      | dBuV/m | dB     | Detector       | cm           | degree |
| 1   |     | 10640.000 | 46.58         | 9.52           | 56.10       | 74.00  | -17.90 | peak           |              |        |
| 2 * |     | 10640.000 | 36.56         | 9.52           | 46.08       | 54.00  | -7.92  | AVG            |              |        |

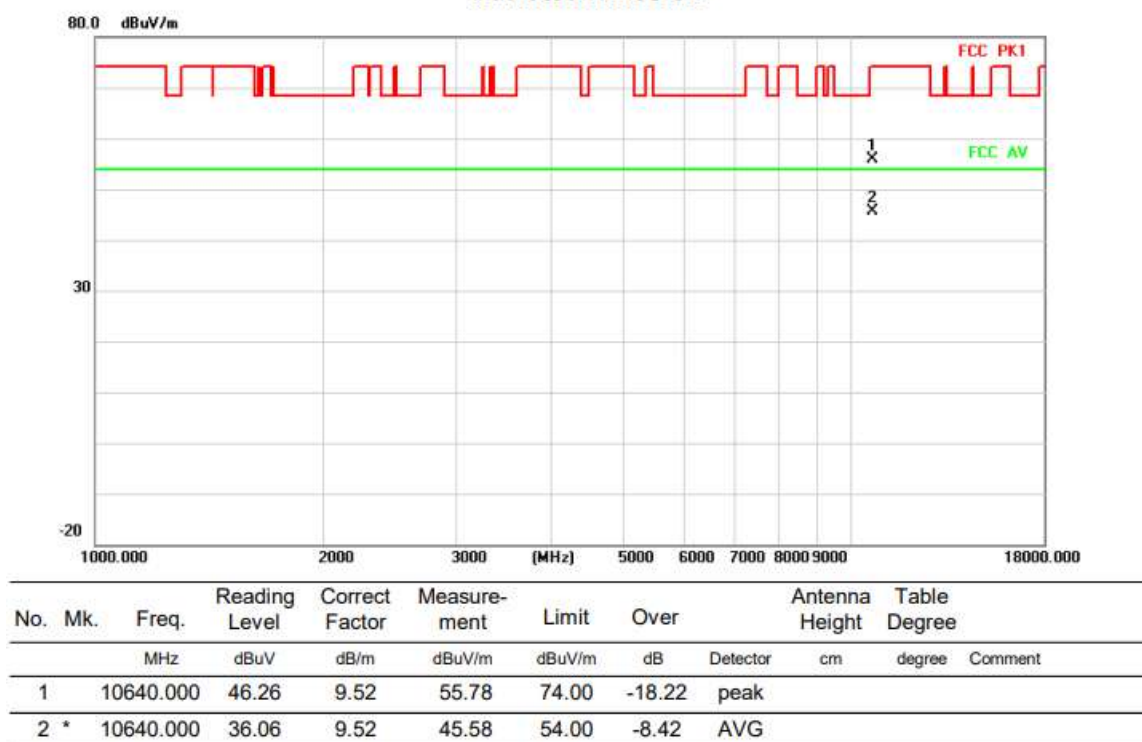
#### Radiated Emission



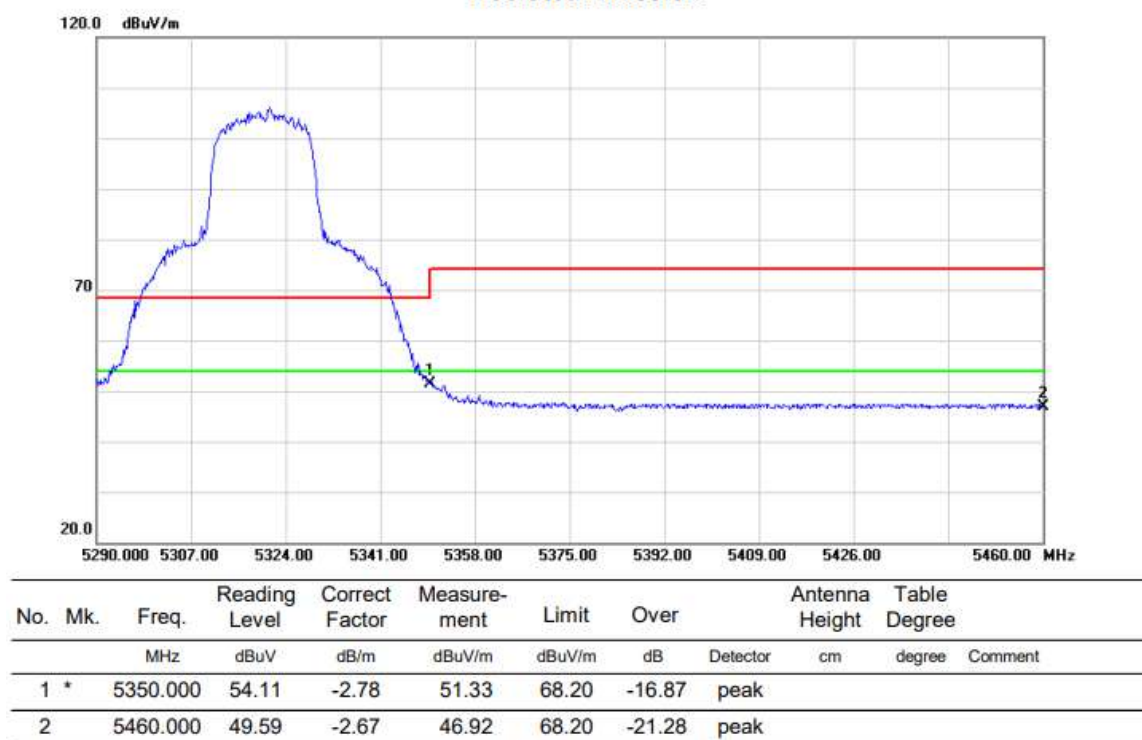
| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |        |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------------|--------------|--------|
|     |     | MHz      | dBuV          | dB/m           | dBuV/m      | dBuV/m | dB     | Detector       | cm           | degree |
| 1   |     | 5350.000 | 63.97         | -2.78          | 61.19       | 68.20  | -7.01  | peak           |              |        |
| 2 * |     | 5350.000 | 54.00         | -2.78          | 51.22       | 54.00  | -2.78  | AVG            |              |        |
| 3   |     | 5460.000 | 49.41         | -2.67          | 46.74       | 68.20  | -21.46 | peak           |              |        |

## HORIZONTALA

## Radiated Emission



## Radiated Emission



Above 1G (1GHz~18GHz)

Test mode: 11N20MIMO

Test Channel:100

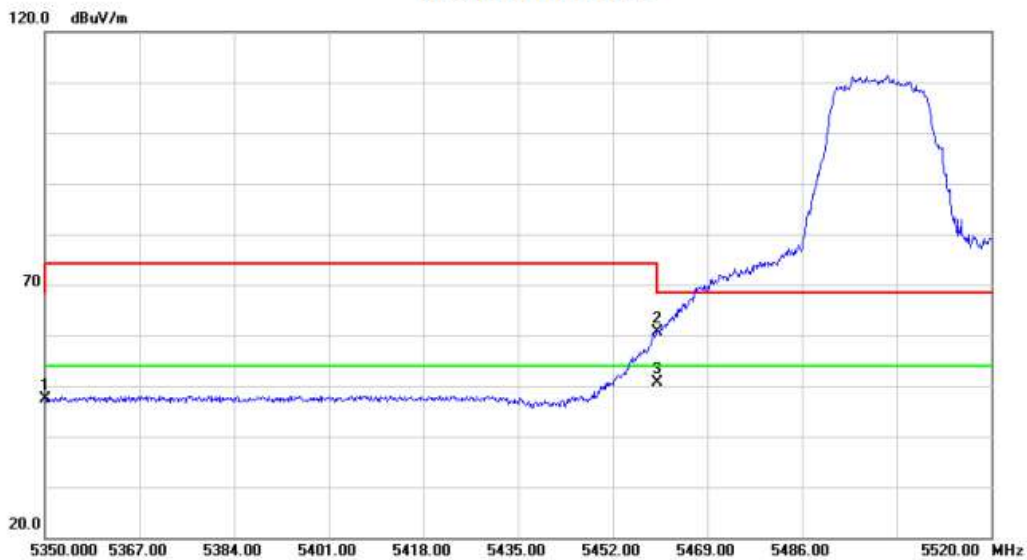
### VERTICAL

#### Radiated Emission



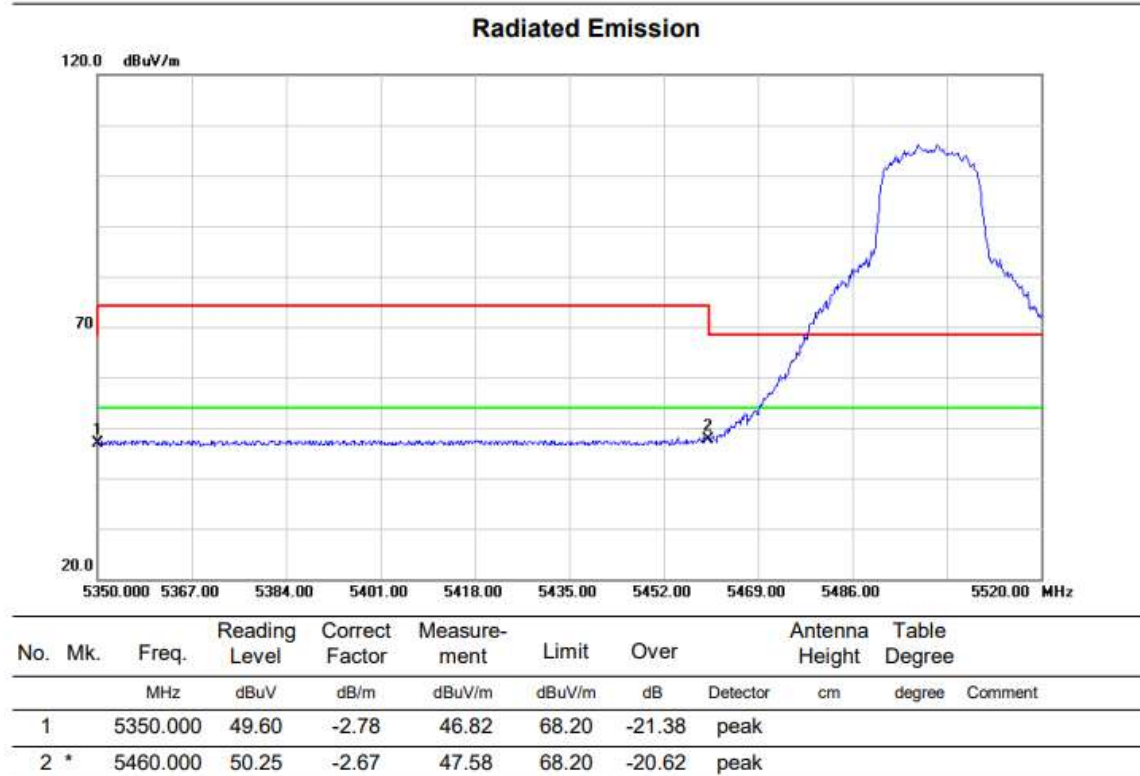
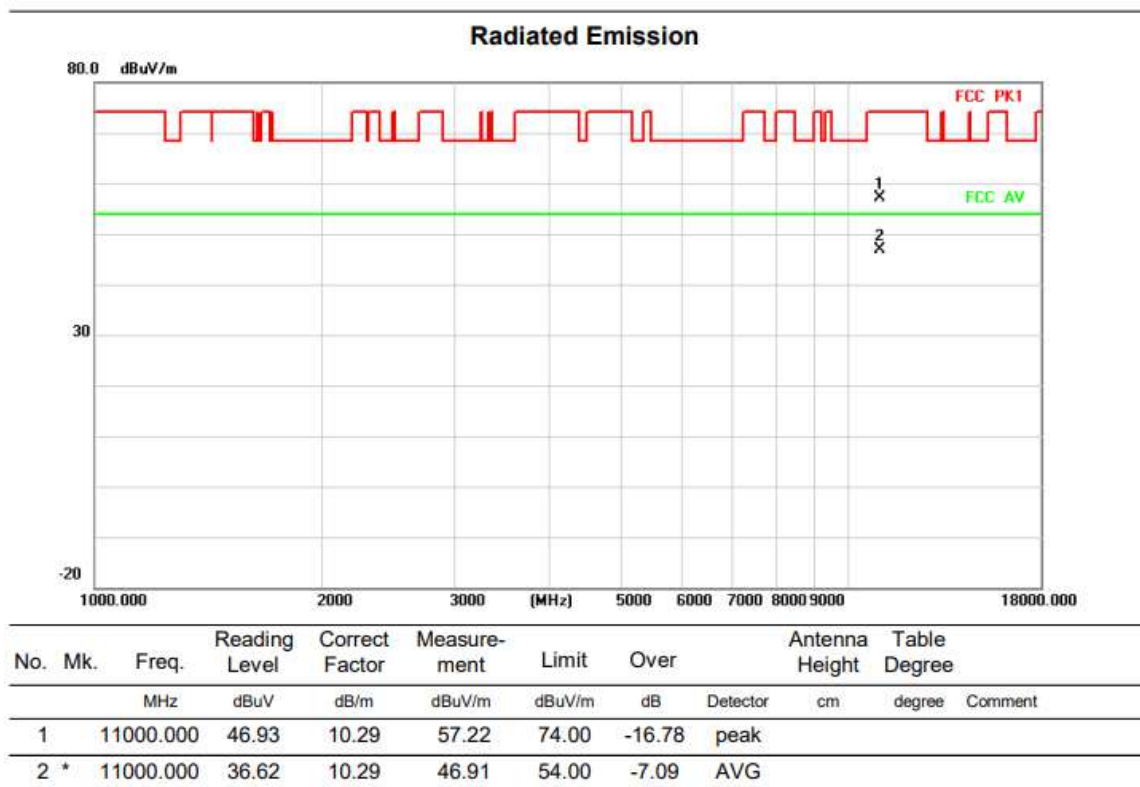
| No. | Mk. | Freq.     | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |         |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
|     |     | MHz       | dBuV          | dB/m           | dBuV/m      | dBuV/m | dB     | cm             | degree       | Comment |
| 1   |     | 11000.000 | 47.49         | 10.29          | 57.78       | 74.00  | -16.22 | peak           |              |         |
| 2 * |     | 11000.000 | 37.07         | 10.29          | 47.36       | 54.00  | -6.64  | AVG            |              |         |

#### Radiated Emission



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
|     |     | MHz      | dBuV          | dB/m           | dBuV/m      | dBuV/m | dB     | cm             | degree       | Comment |
| 1   |     | 5350.000 | 50.11         | -2.78          | 47.33       | 68.20  | -20.87 | peak           |              |         |
| 2   |     | 5460.000 | 63.41         | -2.67          | 60.74       | 68.20  | -7.46  | peak           |              |         |
| 3 * |     | 5460.000 | 53.19         | -2.67          | 50.52       | 54.00  | -3.48  | AVG            |              |         |

## HORIZONTALA

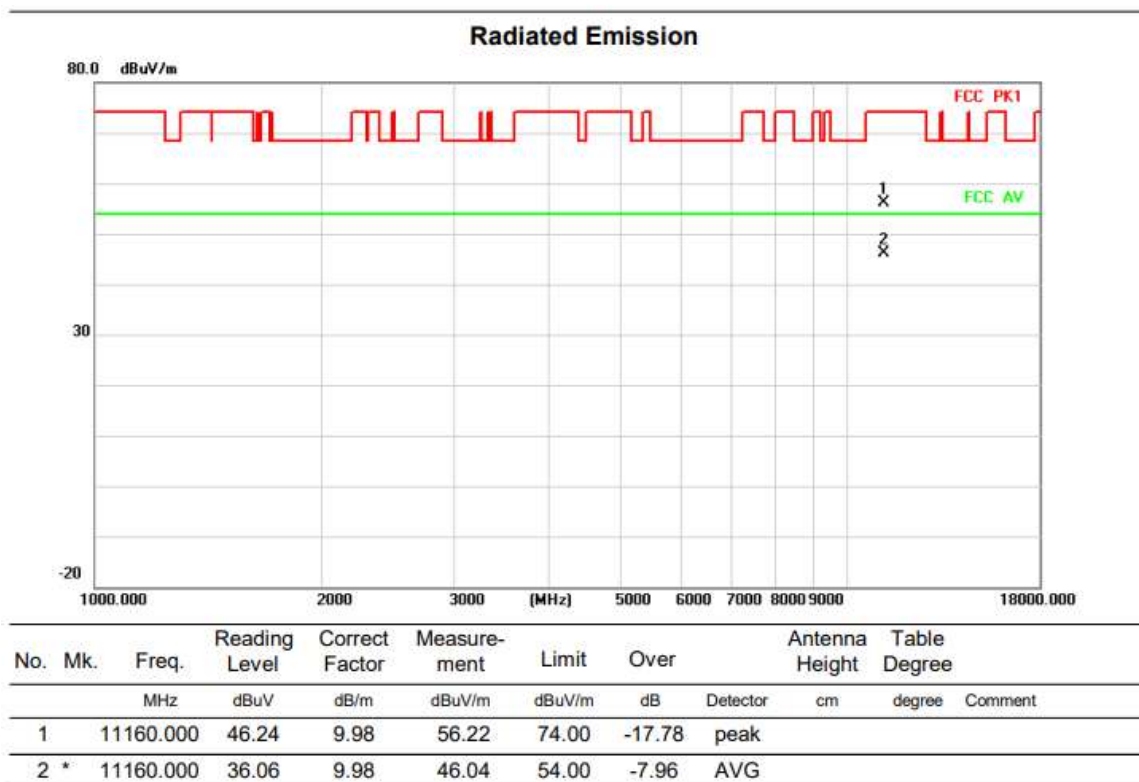


Above 1G (1GHz~18GHz)

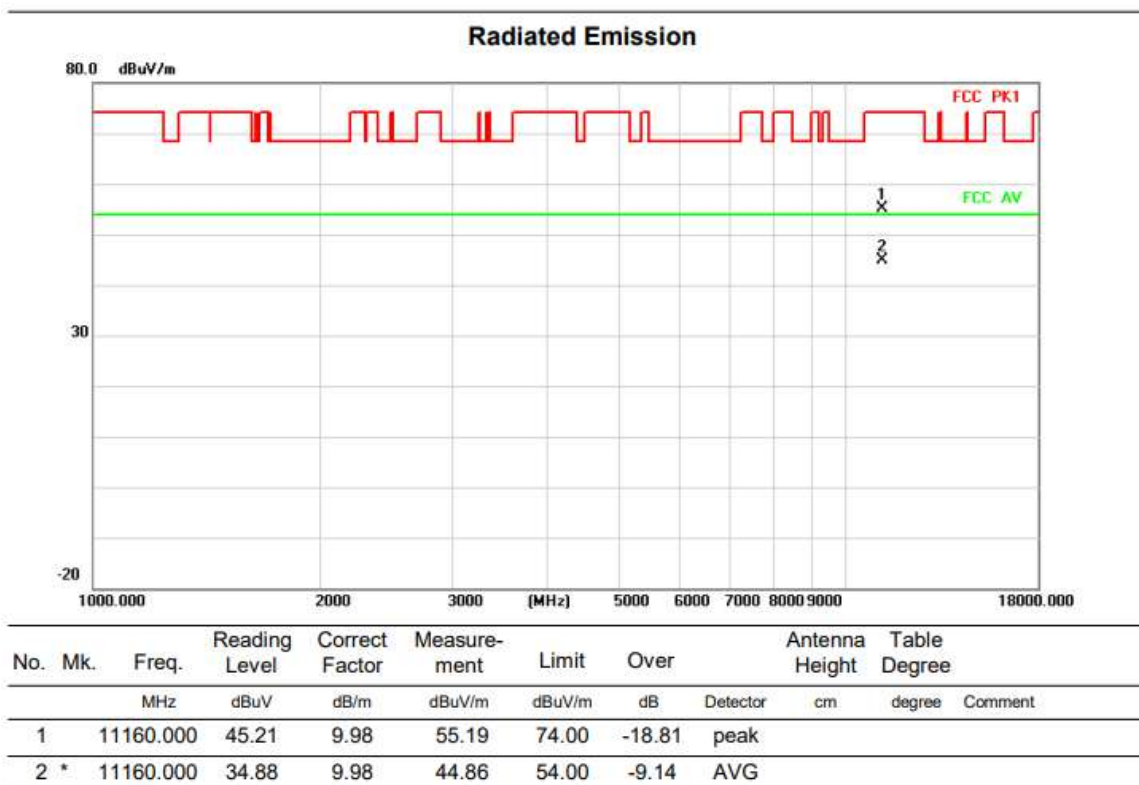
Test mode: 11N20MIMO

Test Channel:116

### VERTICAL



### HORIZONTAL



Above 1G (1GHz~18GHz)

Test mode: 11N20MIMO

Test Channel:140

VERTICAL

### Radiated Emission



| No. | Mk. | Freq.     | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |        |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|--------|
|     |     | MHz       | dBuV          | dB/m           | dBuV/m      | dBuV/m | dB     | Detector       | cm           | degree |
| 1   |     | 11400.000 | 46.81         | 9.51           | 56.32       | 74.00  | -17.68 | peak           |              |        |
| 2 * |     | 11400.000 | 36.56         | 9.51           | 46.07       | 54.00  | -7.93  | AVG            |              |        |

HORIZONTAL

### Radiated Emission



| No. | Mk. | Freq.     | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |        |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|--------|
|     |     | MHz       | dBuV          | dB/m           | dBuV/m      | dBuV/m | dB     | Detector       | cm           | degree |
| 1   |     | 11400.000 | 45.90         | 9.51           | 55.41       | 74.00  | -18.59 | peak           |              |        |
| 2 * |     | 11400.000 | 35.67         | 9.51           | 45.18       | 54.00  | -8.82  | AVG            |              |        |

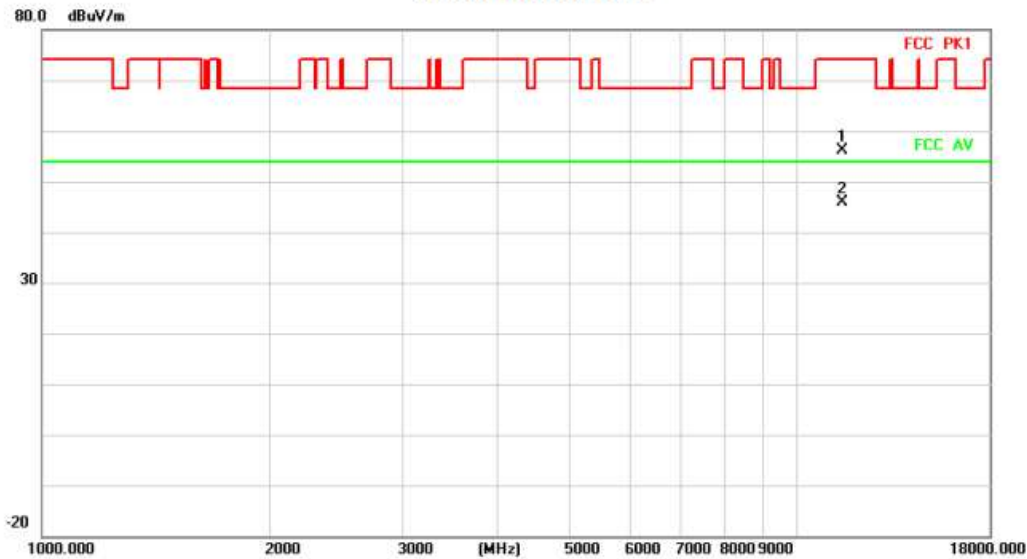
Above 1G (1GHz~18GHz)

Test mode: 11N20MIMO

Test Channel:149

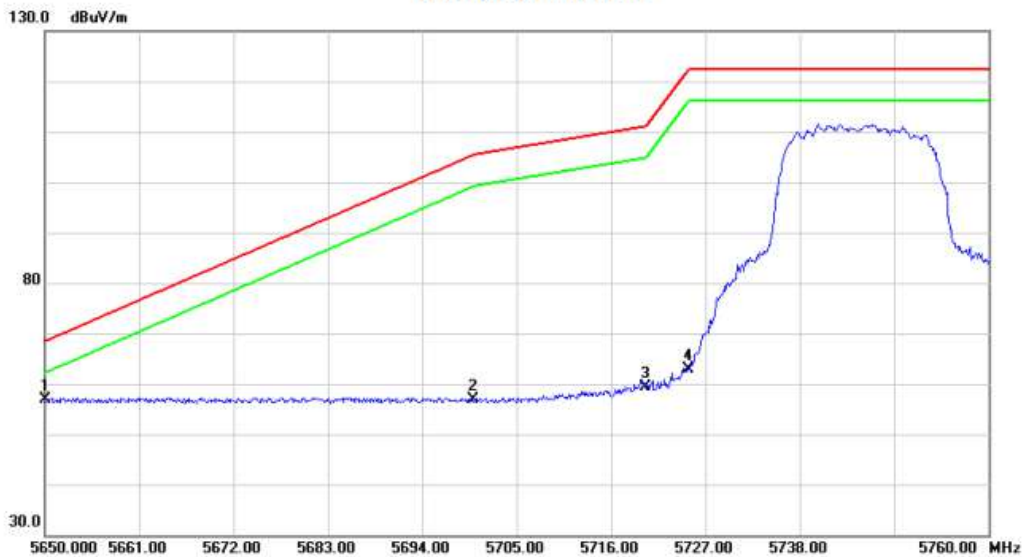
VERTICAL

### Radiated Emission



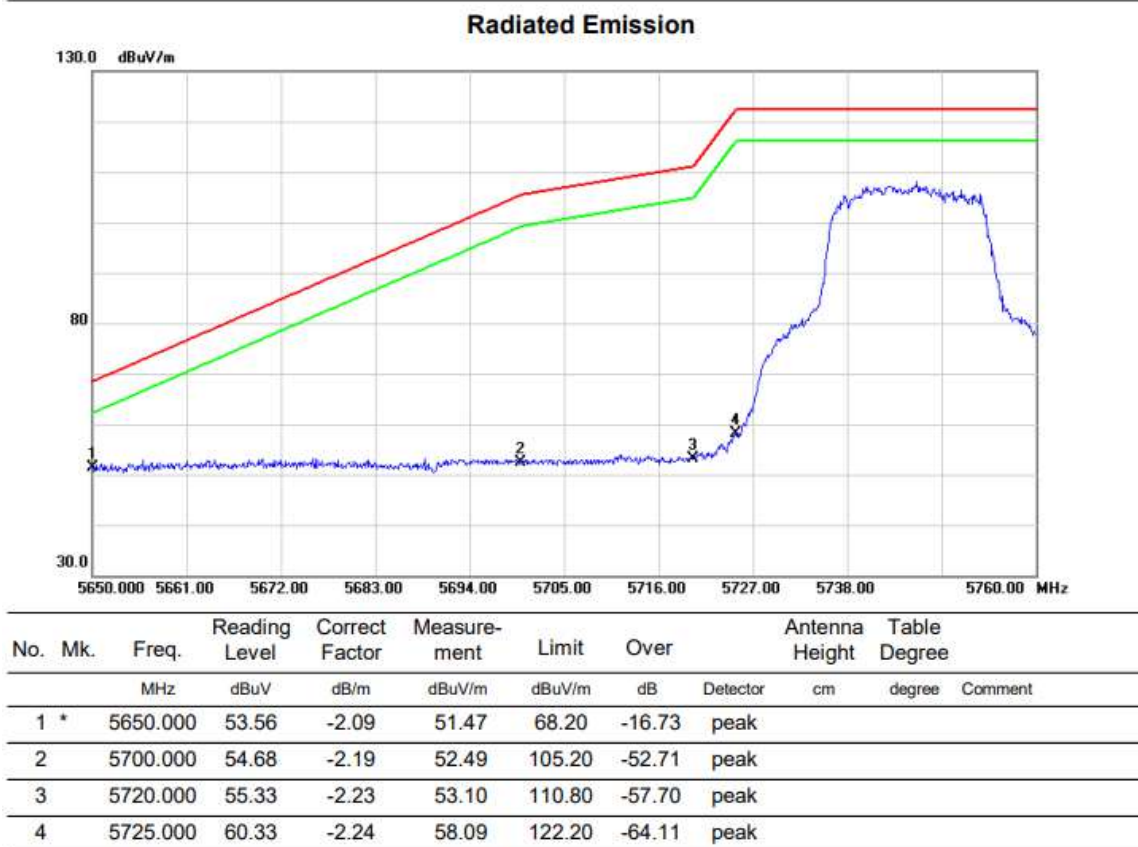
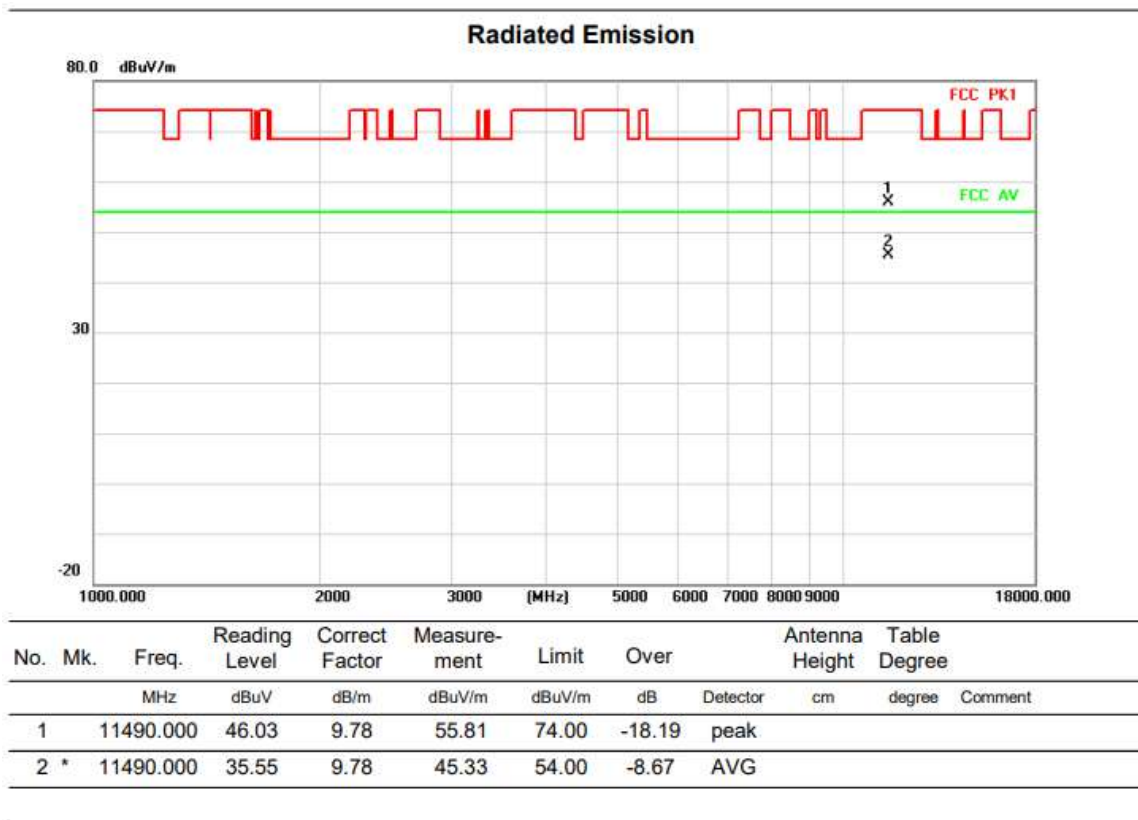
| No. | Mk. | Freq.     | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |         |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
|     |     | MHz       | dBuV          | dB/m           | dBuV/m      | dBuV/m | dB     | cm             | degree       | Comment |
| 1   |     | 11490.000 | 46.45         | 9.78           | 56.23       | 74.00  | -17.77 | peak           |              |         |
| 2 * |     | 11490.000 | 36.15         | 9.78           | 45.93       | 54.00  | -8.07  | AVG            |              |         |

### Radiated Emission



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
|     |     | MHz      | dBuV          | dB/m           | dBuV/m      | dBuV/m | dB     | cm             | degree       | Comment |
| 1 * |     | 5650.000 | 59.05         | -2.09          | 56.96       | 68.20  | -11.24 | peak           |              |         |
| 2   |     | 5700.000 | 59.13         | -2.19          | 56.94       | 105.20 | -48.26 | peak           |              |         |
| 3   |     | 5720.000 | 61.71         | -2.23          | 59.48       | 110.80 | -51.32 | peak           |              |         |
| 4   |     | 5725.000 | 65.08         | -2.24          | 62.84       | 122.20 | -59.36 | peak           |              |         |

## HORIZONTALA

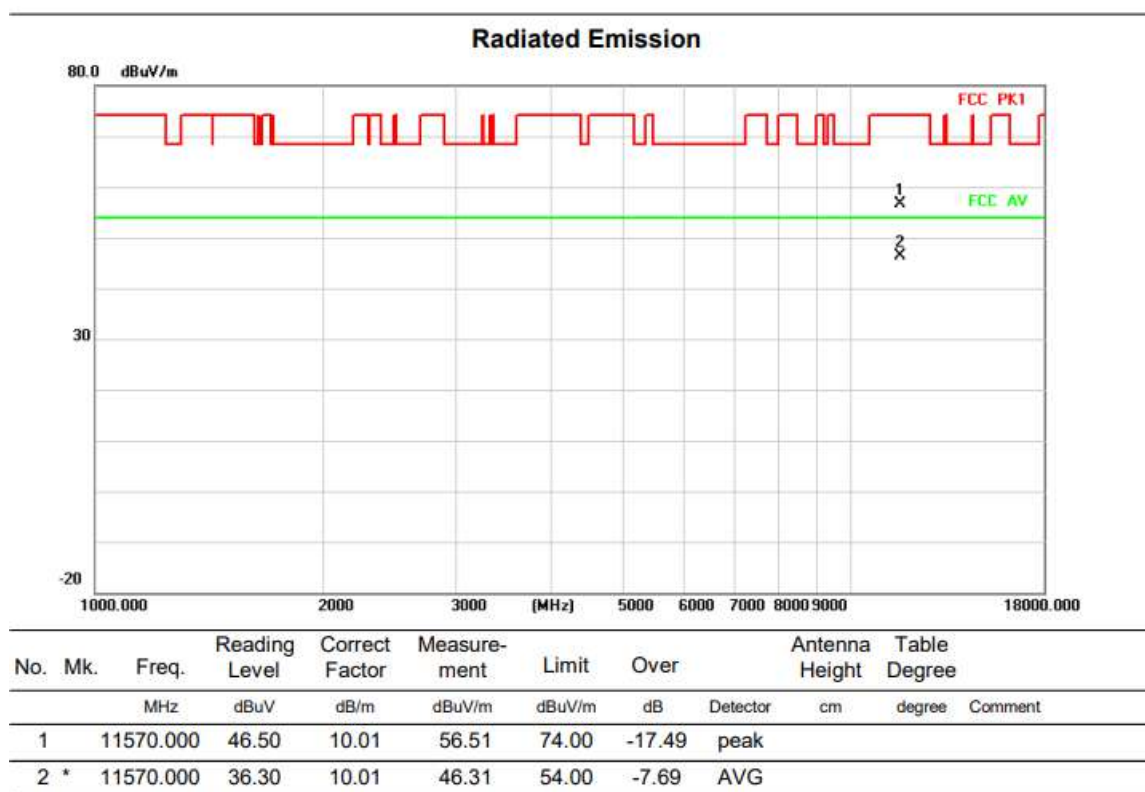


Above 1G (1GHz~18GHz)

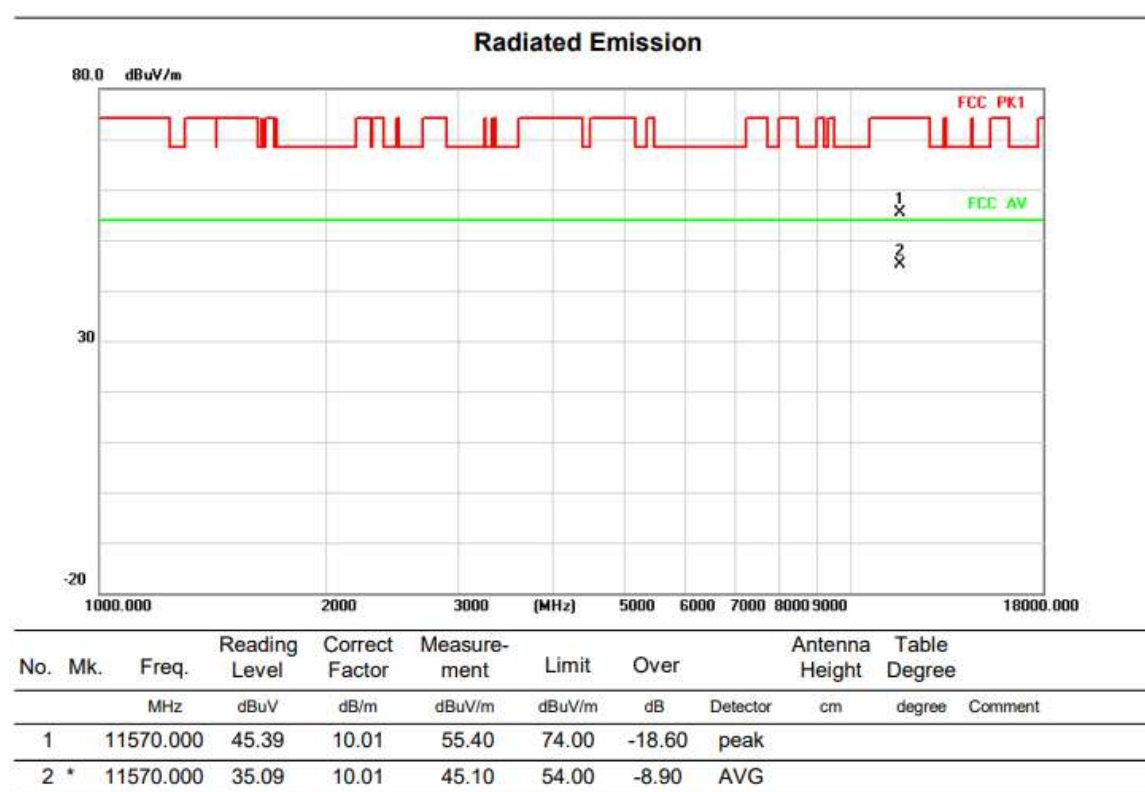
Test mode: 11N20MIMO

Test Channel:157

VERTICAL



HORIZONTAL

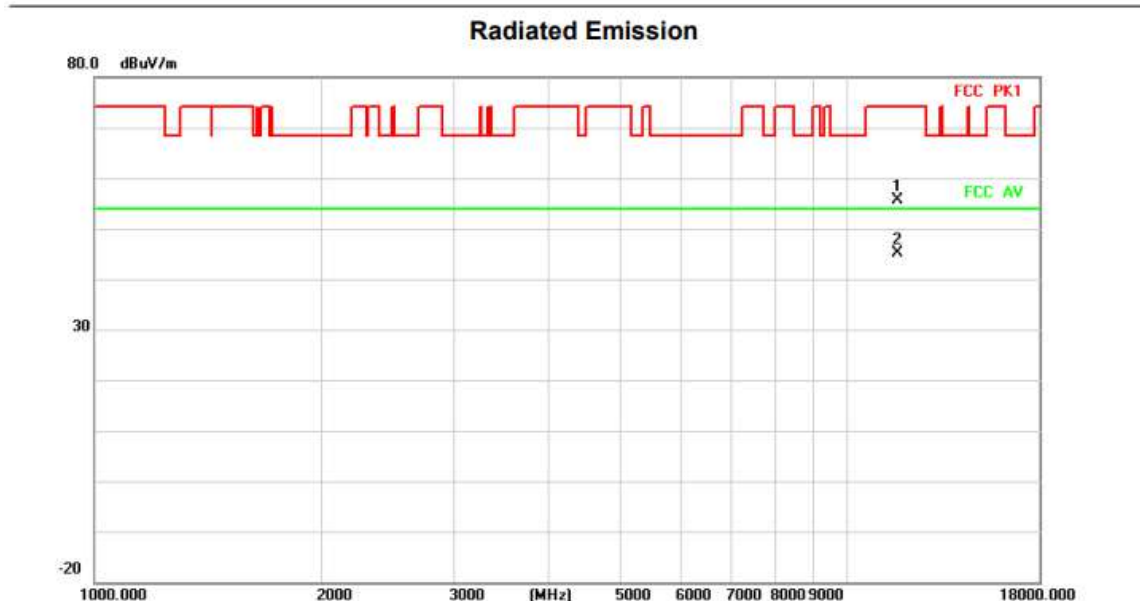


Above 1G (1GHz~18GHz)

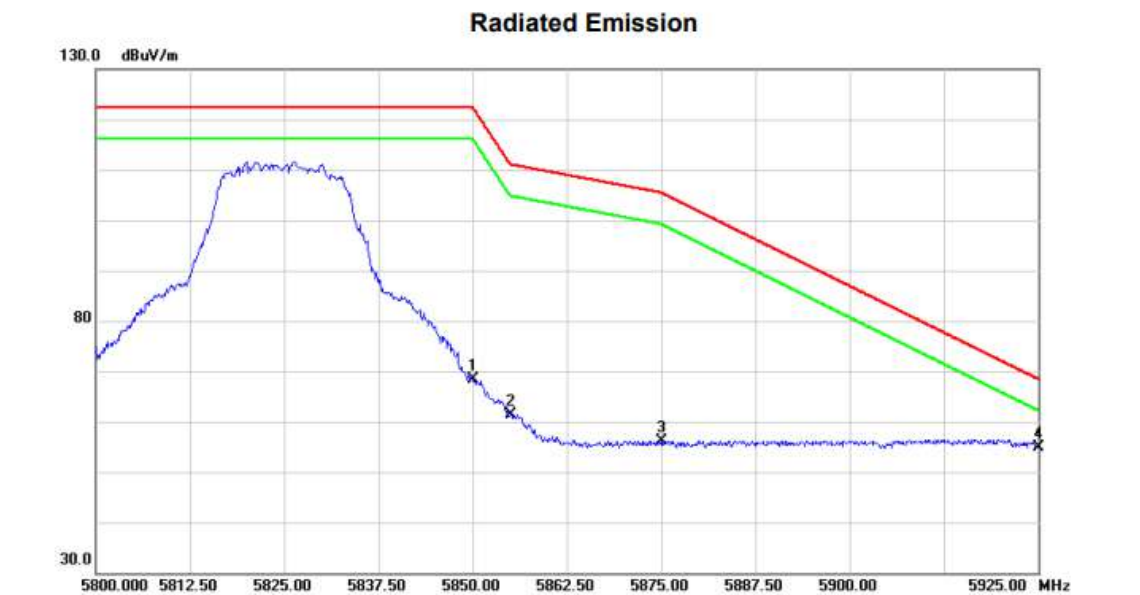
Test mode: 11N20MIMO

Test Channel:165

VERTICAL

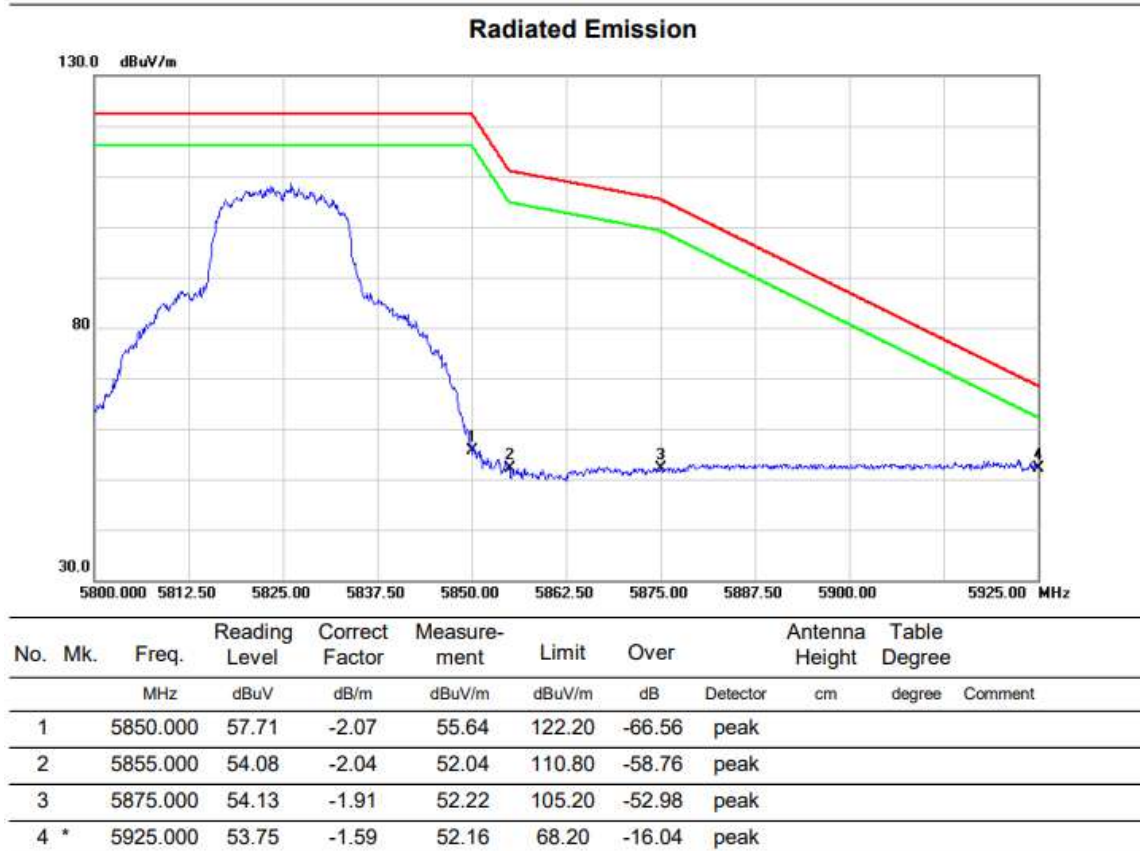
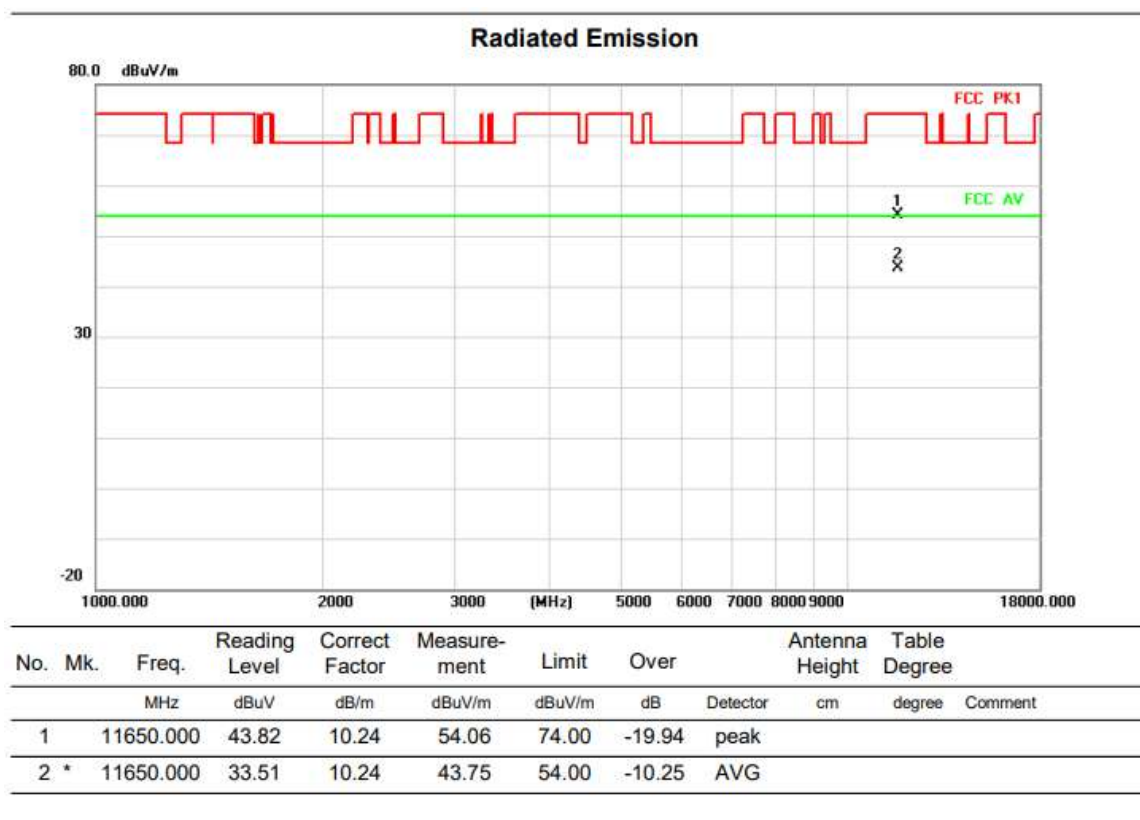


| No. | Mk. | Freq.     | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |         |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
|     |     | MHz       | dBuV          | dB/m           | dBuV/m      | dBuV/m | dB     | cm             | degree       | Comment |
| 1   |     | 11650.000 | 45.41         | 10.24          | 55.65       | 74.00  | -18.35 | peak           |              |         |
| 2 * |     | 11650.000 | 34.96         | 10.24          | 45.20       | 54.00  | -8.80  | AVG            |              |         |



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
|     |     | MHz      | dBuV          | dB/m           | dBuV/m      | dBuV/m | dB     | cm             | degree       | Comment |
| 1   |     | 5850.000 | 70.45         | -2.07          | 68.38       | 122.20 | -53.82 | peak           |              |         |
| 2   |     | 5855.000 | 63.32         | -2.04          | 61.28       | 110.80 | -49.52 | peak           |              |         |
| 3   |     | 5875.000 | 57.99         | -1.91          | 56.08       | 105.20 | -49.12 | peak           |              |         |
| 4 * |     | 5925.000 | 56.35         | -1.59          | 54.76       | 68.20  | -13.44 | peak           |              |         |

## HORIZONTALA



Above 1G (1GHz~18GHz)

Test mode: 11N40MIMO

Test Channel:38

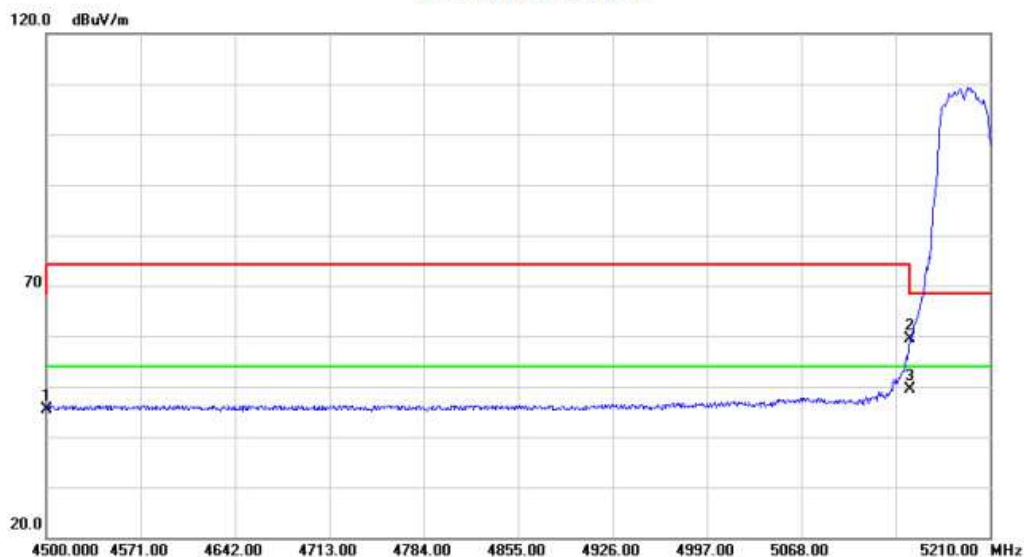
### VERTICAL

#### Radiated Emission



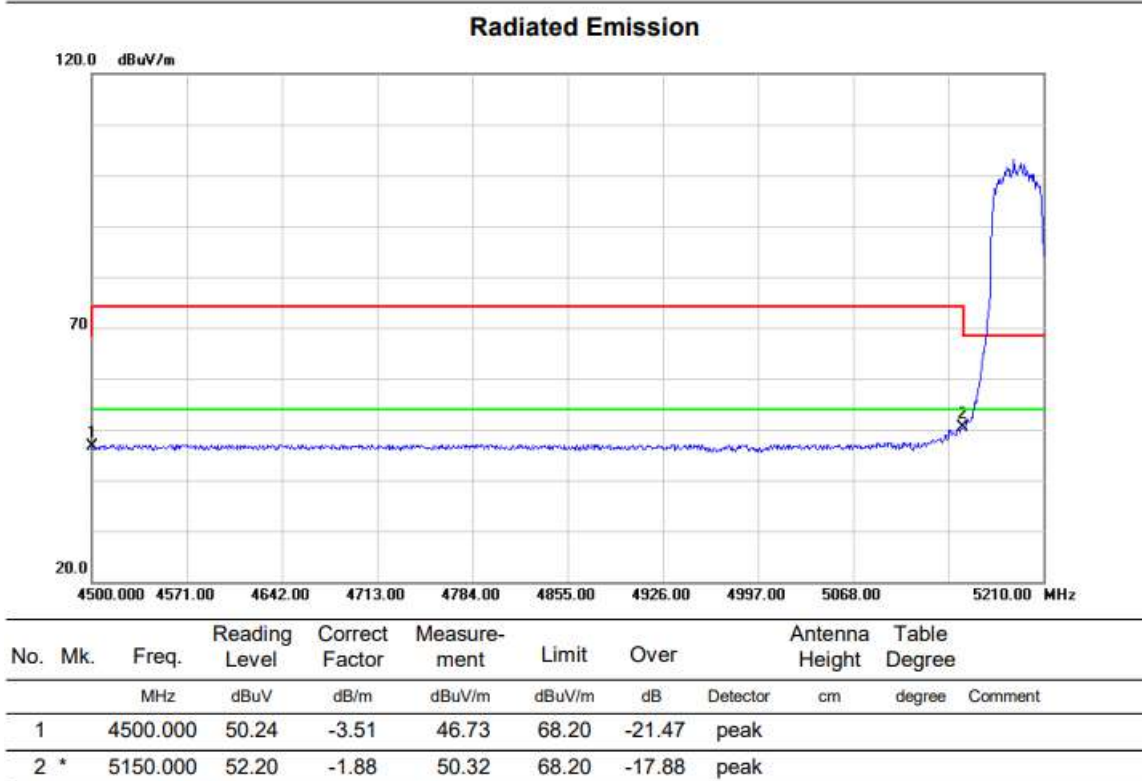
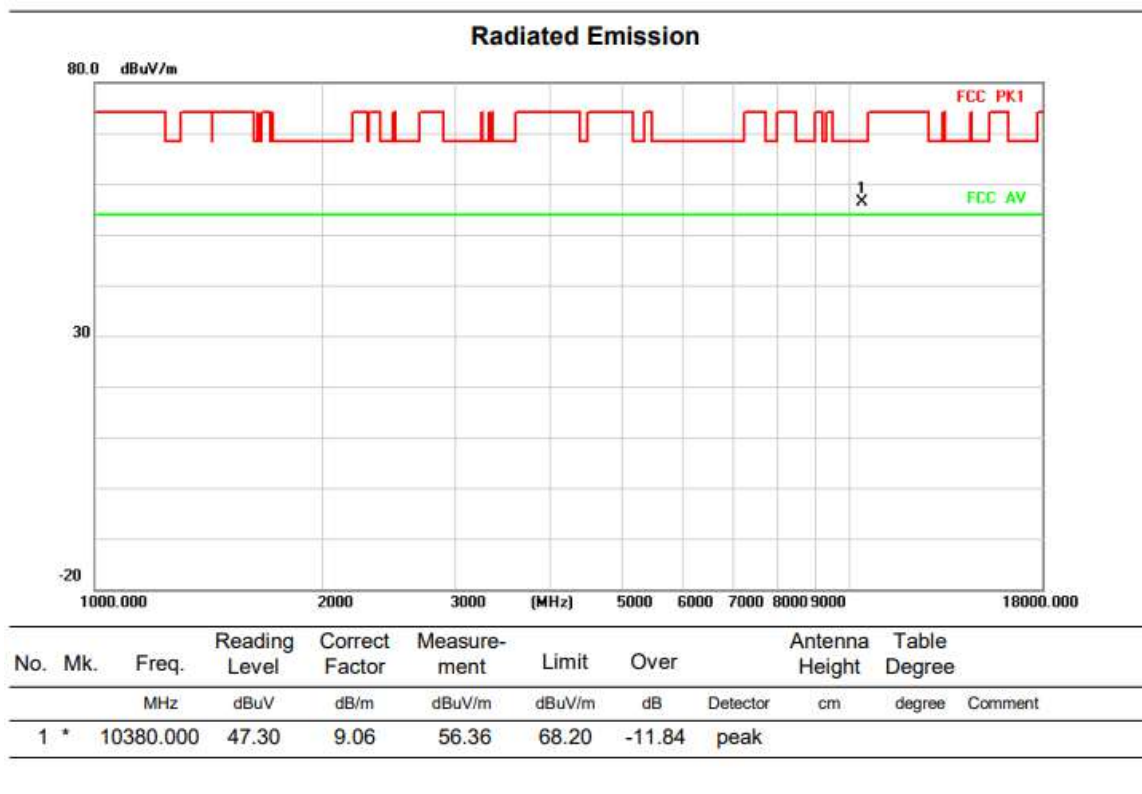
| No. | Mk. | Freq.     | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |        |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|--------|
|     |     | MHz       | dBuV          | dB/m           | dBuV/m      | dBuV/m | dB     | Detector       | cm           | degree |
| 1   | *   | 10380.000 | 47.97         | 9.06           | 57.03       | 68.20  | -11.17 | peak           |              |        |

#### Radiated Emission



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |        |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------------|--------------|--------|
|     |     | MHz      | dBuV          | dB/m           | dBuV/m      | dBuV/m | dB     | Detector       | cm           | degree |
| 1   |     | 4500.000 | 49.01         | -3.51          | 45.50       | 68.20  | -22.70 | peak           |              |        |
| 2   |     | 5150.000 | 61.16         | -1.88          | 59.28       | 68.20  | -8.92  | peak           |              |        |
| 3   | *   | 5150.000 | 51.32         | -1.88          | 49.44       | 54.00  | -4.56  | AVG            |              |        |

## HORIZONTAL

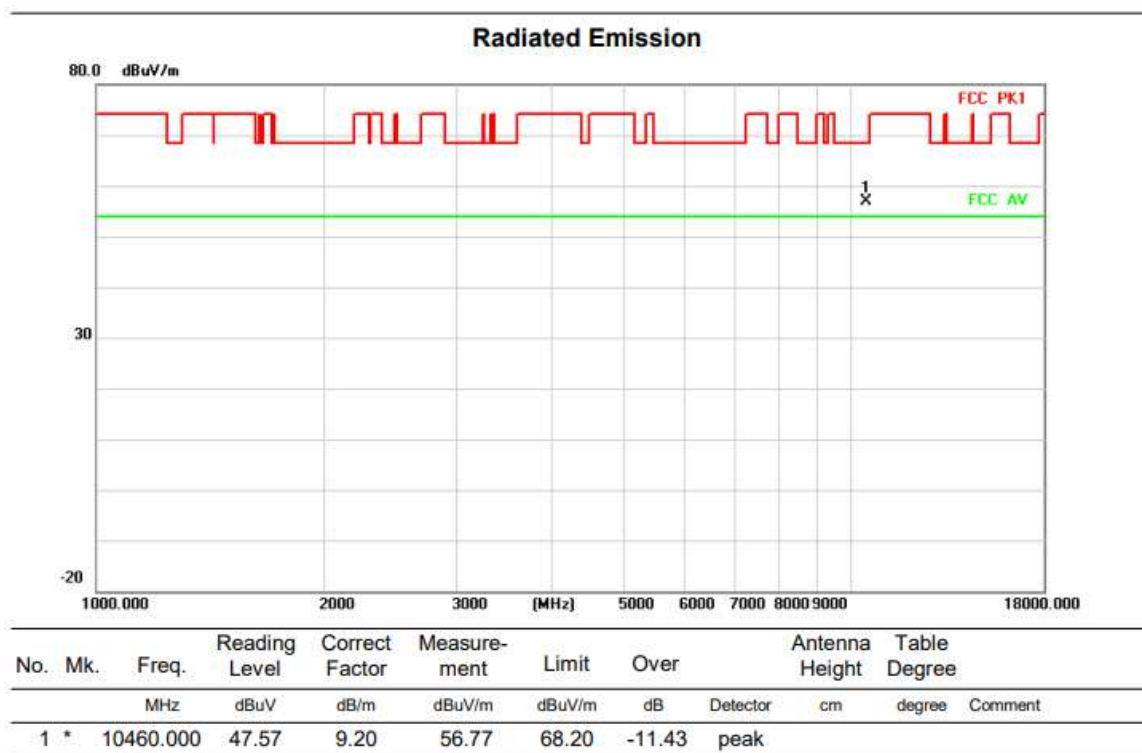


Above 1G (1GHz~18GHz)

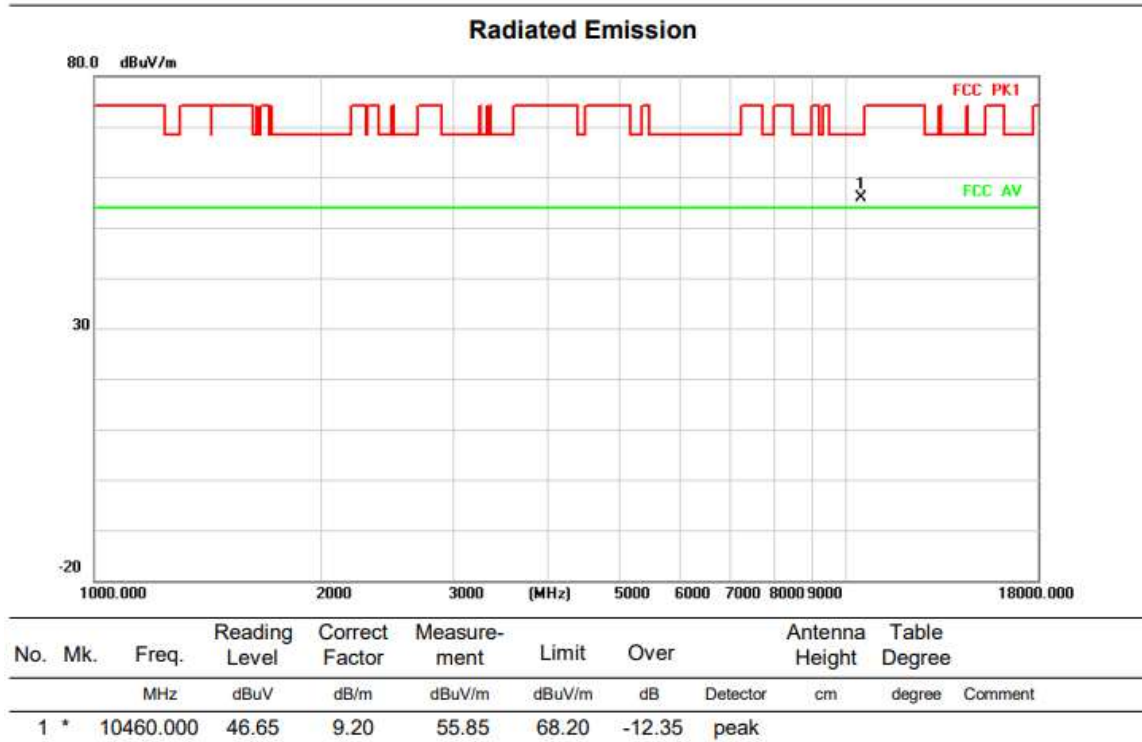
Test mode: 11N40MIMO

Test Channel:46

VERTICAL



HORIZONTAL

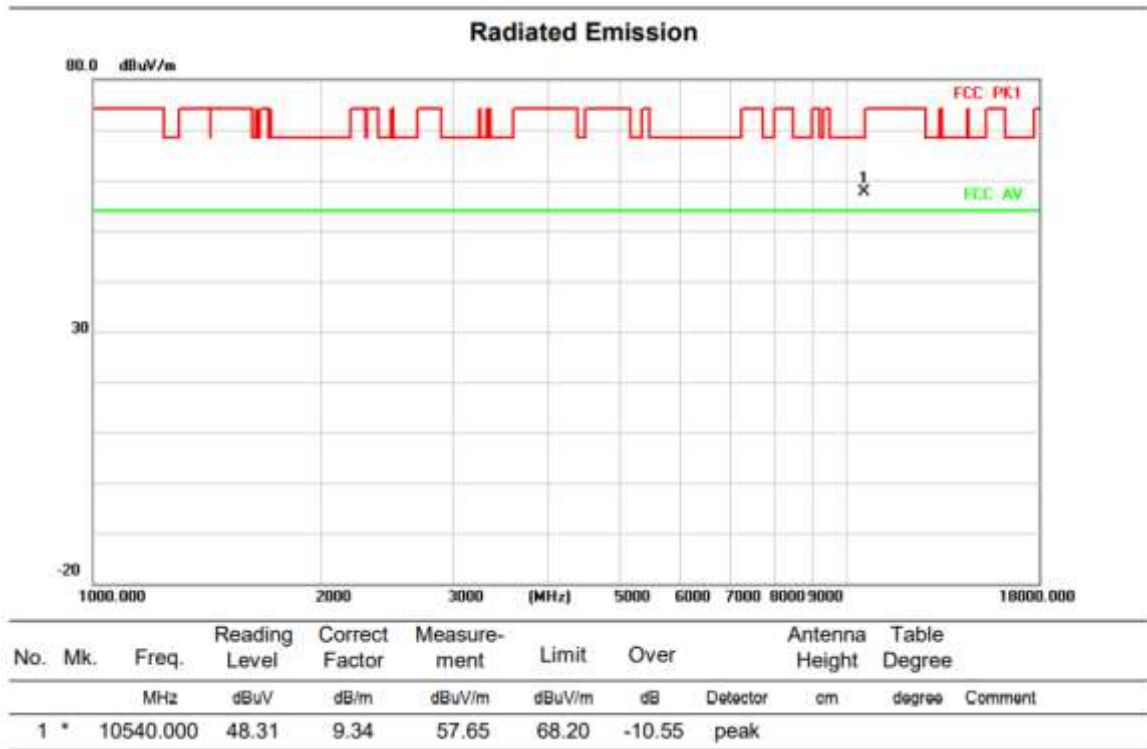


Above 1G (1GHz~18GHz)

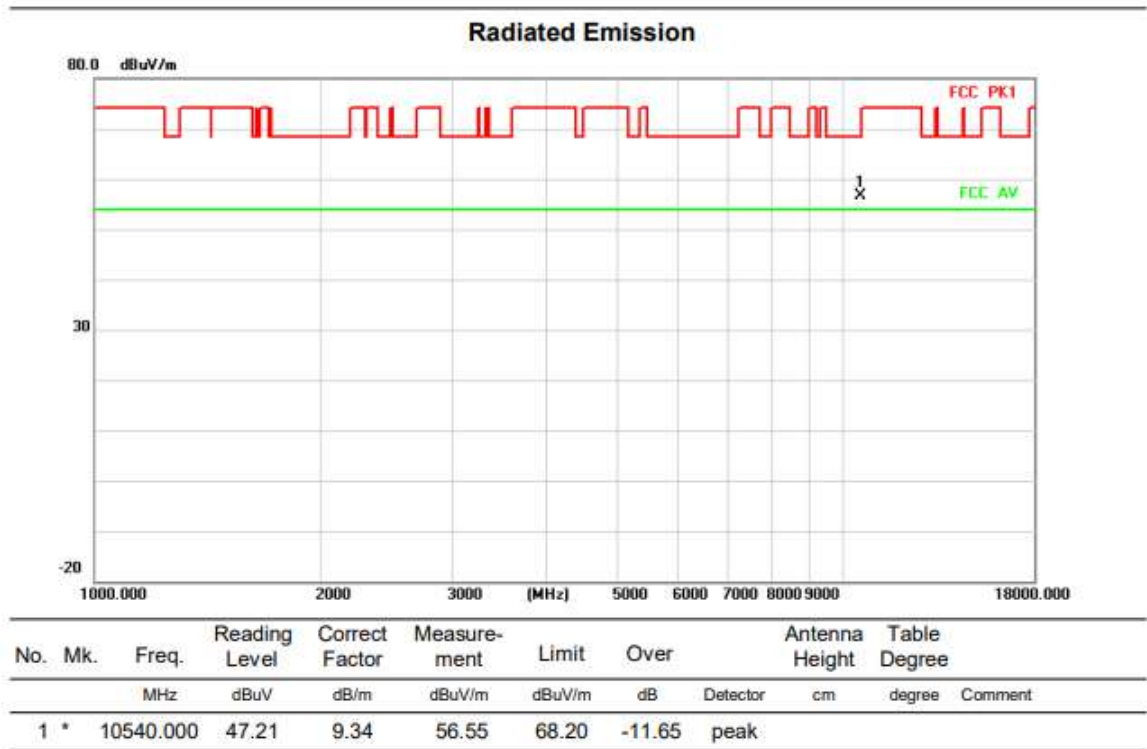
Test mode: 11N40MIMO

Test Channel:54

### VERTICAL



### HORIZONTAL

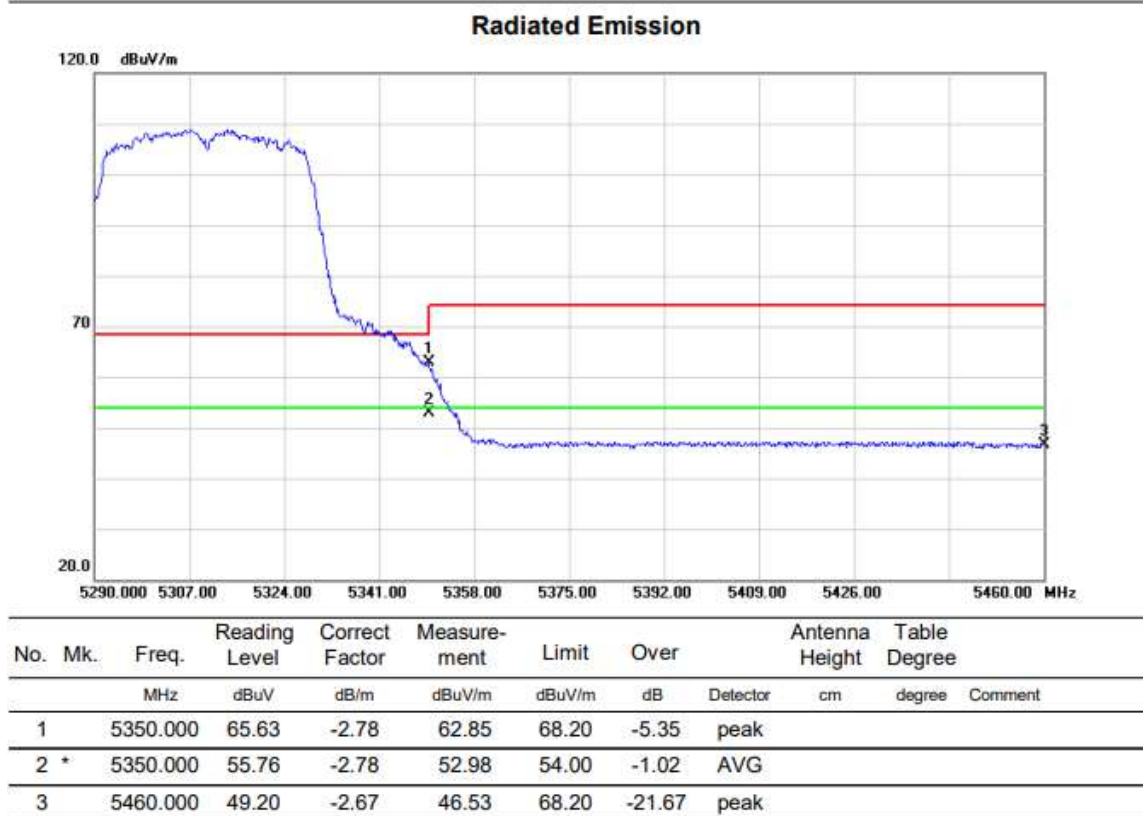
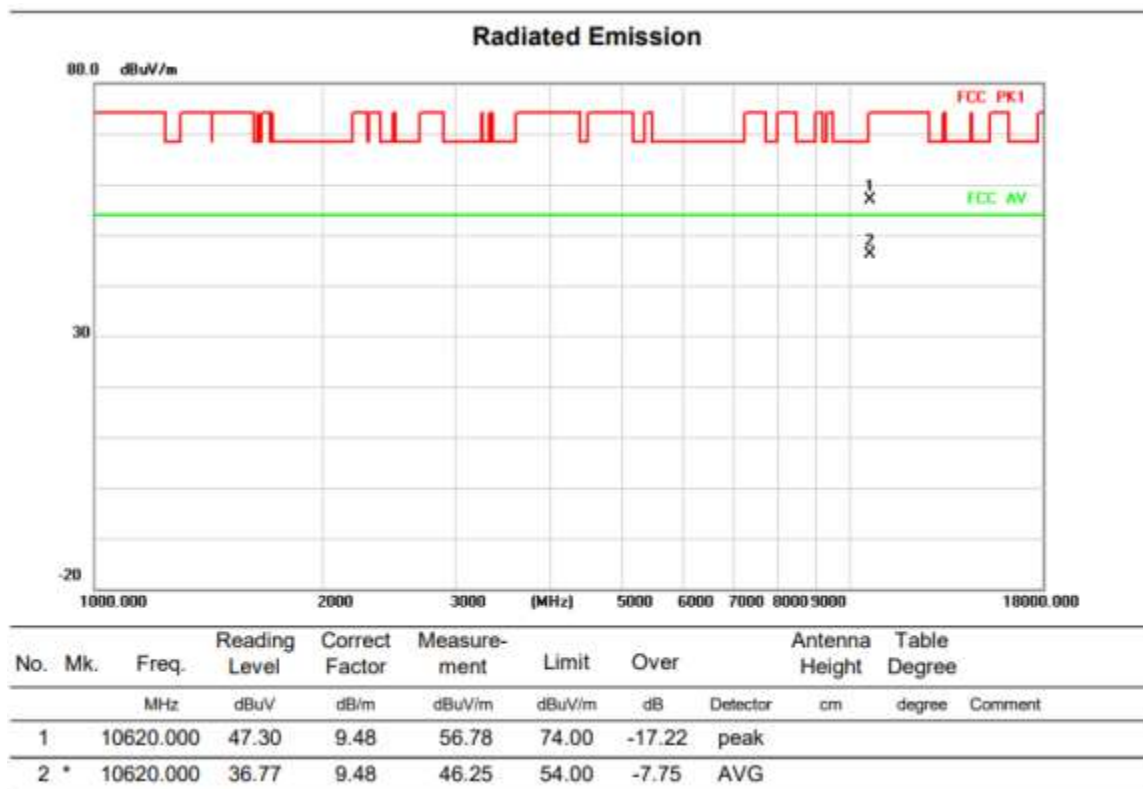


Above 1G (1GHz~18GHz)

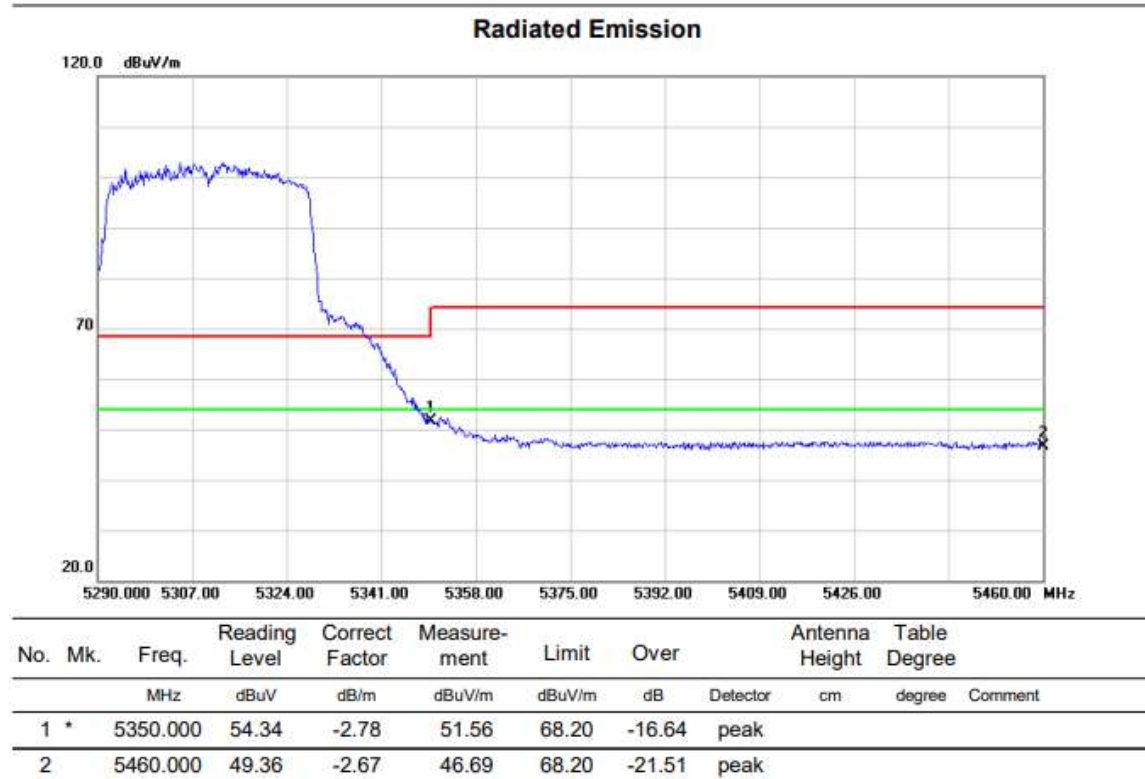
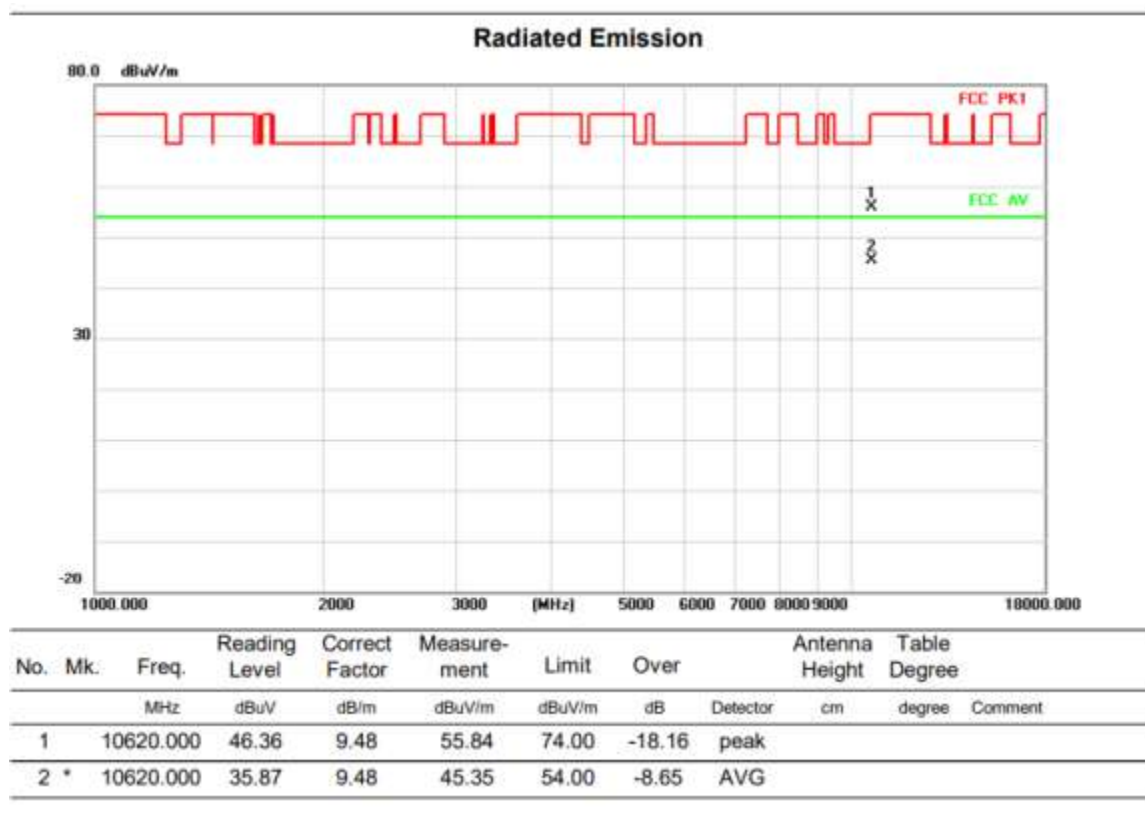
Test mode: 11N40MIMO

Test Channel:62

VERTICAL



## HORIZONTALA



Above 1G (1GHz~18GHz)

Test mode: 11N40MIMO

Test Channel:102

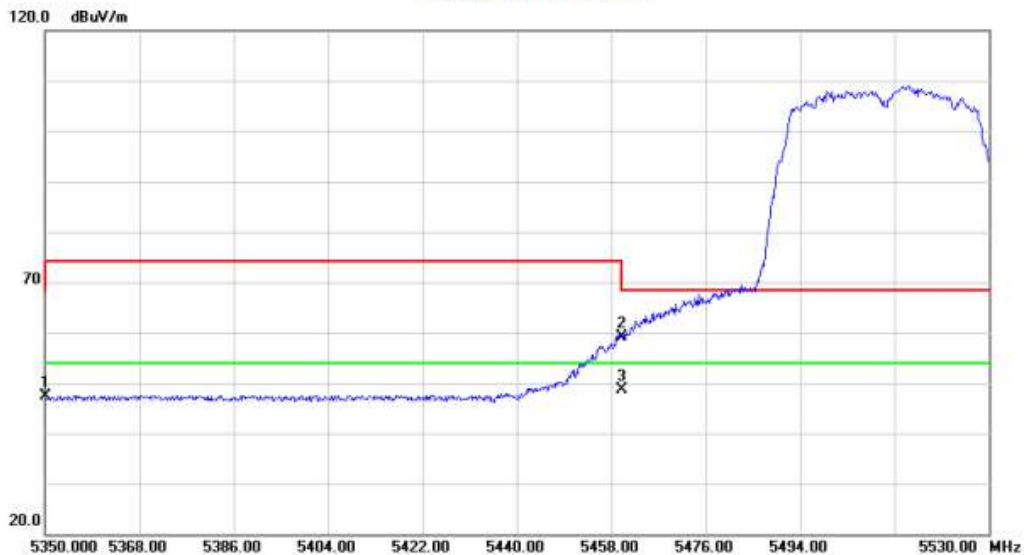
### VERTICAL

#### Radiated Emission



| No. | Mk. | Freq.     | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |        |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|--------|
|     |     | MHz       | dBuV          | dB/m           | dBuV/m      | dBuV/m | dB     | Detector       | cm           | degree |
| 1   |     | 11020.000 | 46.86         | 10.25          | 57.11       | 74.00  | -16.89 | peak           |              |        |
| 2 * |     | 11020.000 | 36.78         | 10.25          | 47.03       | 54.00  | -6.97  | AVG            |              |        |

#### Radiated Emission



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |        |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------------|--------------|--------|
|     |     | MHz      | dBuV          | dB/m           | dBuV/m      | dBuV/m | dB     | Detector       | cm           | degree |
| 1   |     | 5350.000 | 50.27         | -2.78          | 47.49       | 68.20  | -20.71 | peak           |              |        |
| 2   |     | 5460.000 | 61.88         | -2.67          | 59.21       | 68.20  | -8.99  | peak           |              |        |
| 3 * |     | 5460.000 | 51.38         | -2.67          | 48.71       | 54.00  | -5.29  | AVG            |              |        |

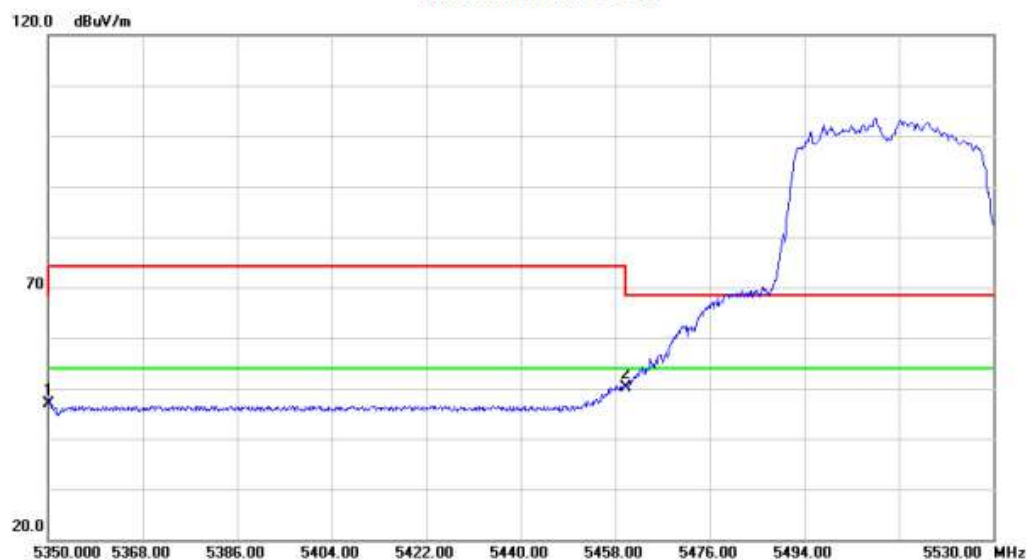
## HORIZONTALA

## Radiated Emission



| No. | Mk. | Freq.     | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |         |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
|     |     | MHz       | dBuV          | dB/m           | dBuV/m      | dBuV/m | dB     | cm             | degree       | Comment |
| 1   |     | 11020.000 | 46.49         | 10.25          | 56.74       | 74.00  | -17.26 | peak           |              |         |
| 2 * |     | 11020.000 | 35.97         | 10.25          | 46.22       | 54.00  | -7.78  | AVG            |              |         |

## Radiated Emission



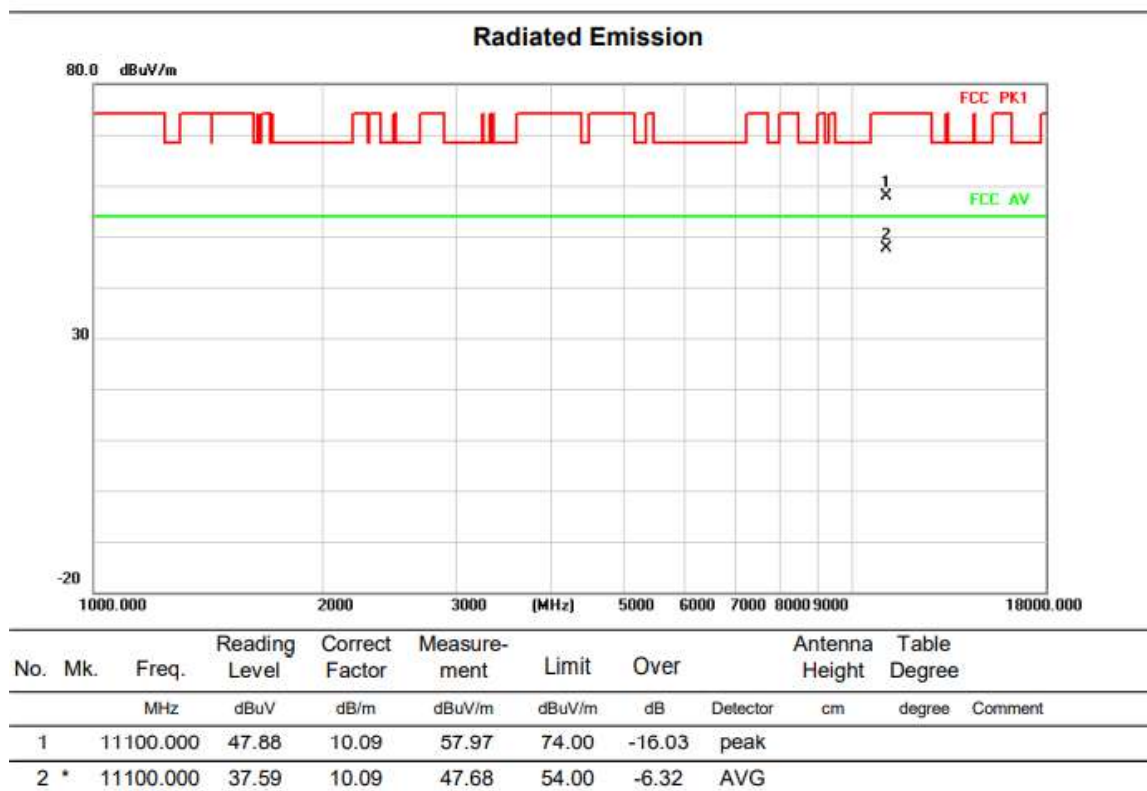
| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
|     |     | MHz      | dBuV          | dB/m           | dBuV/m      | dBuV/m | dB     | cm             | degree       | Comment |
| 1   |     | 5350.000 | 49.66         | -2.78          | 46.88       | 68.20  | -21.32 | peak           |              |         |
| 2 * |     | 5460.000 | 52.81         | -2.67          | 50.14       | 68.20  | -18.06 | peak           |              |         |

Above 1G (1GHz~18GHz)

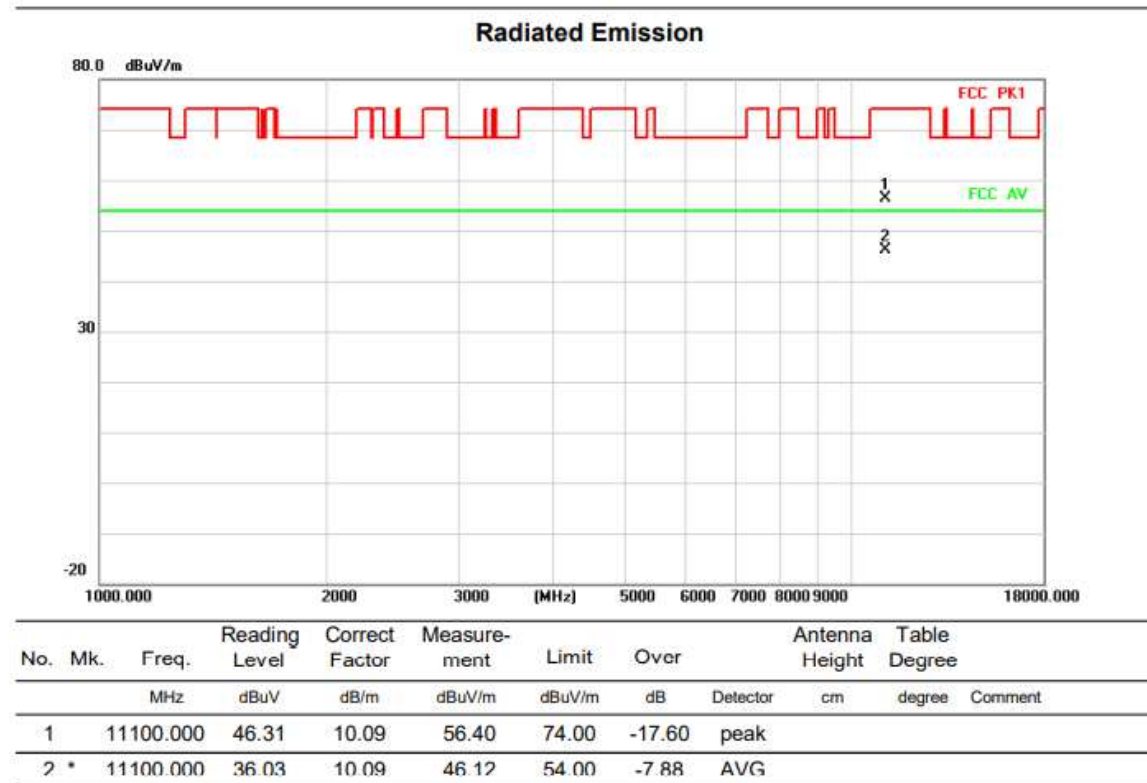
Test mode: 11N40MIMO

Test Channel:110

### VERTICAL



### HORIZONTAL

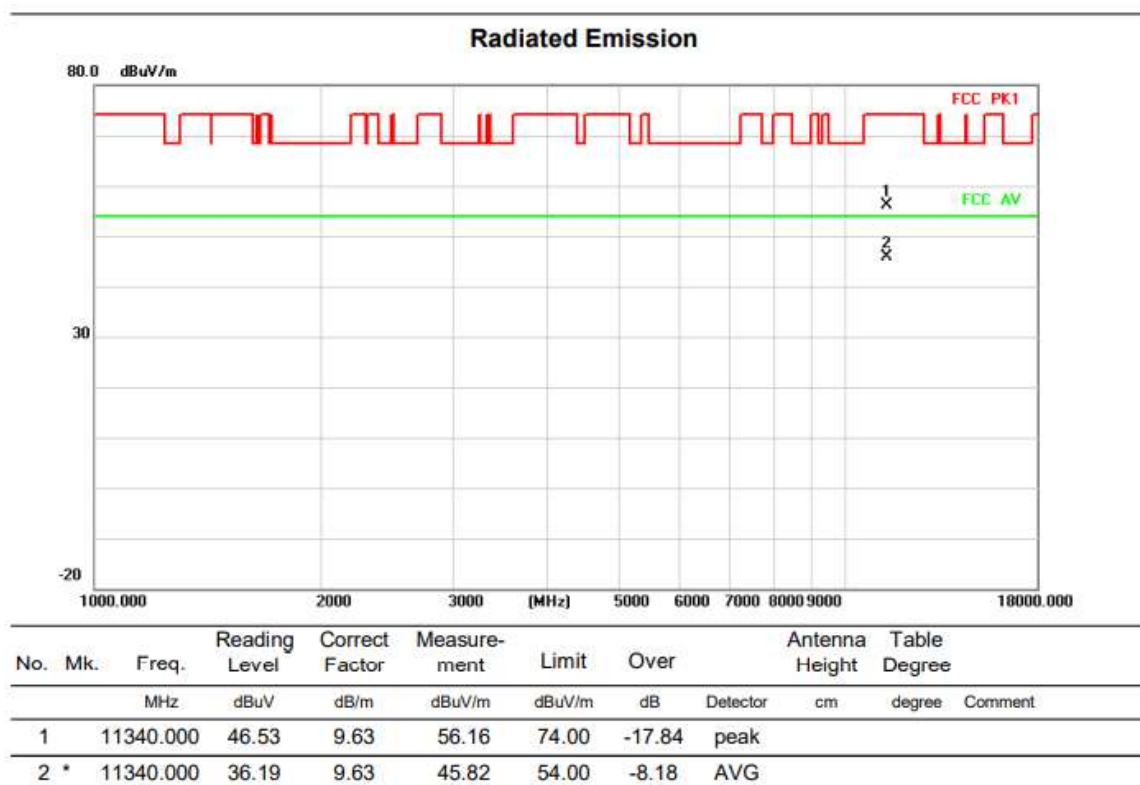


Above 1G (1GHz~18GHz)

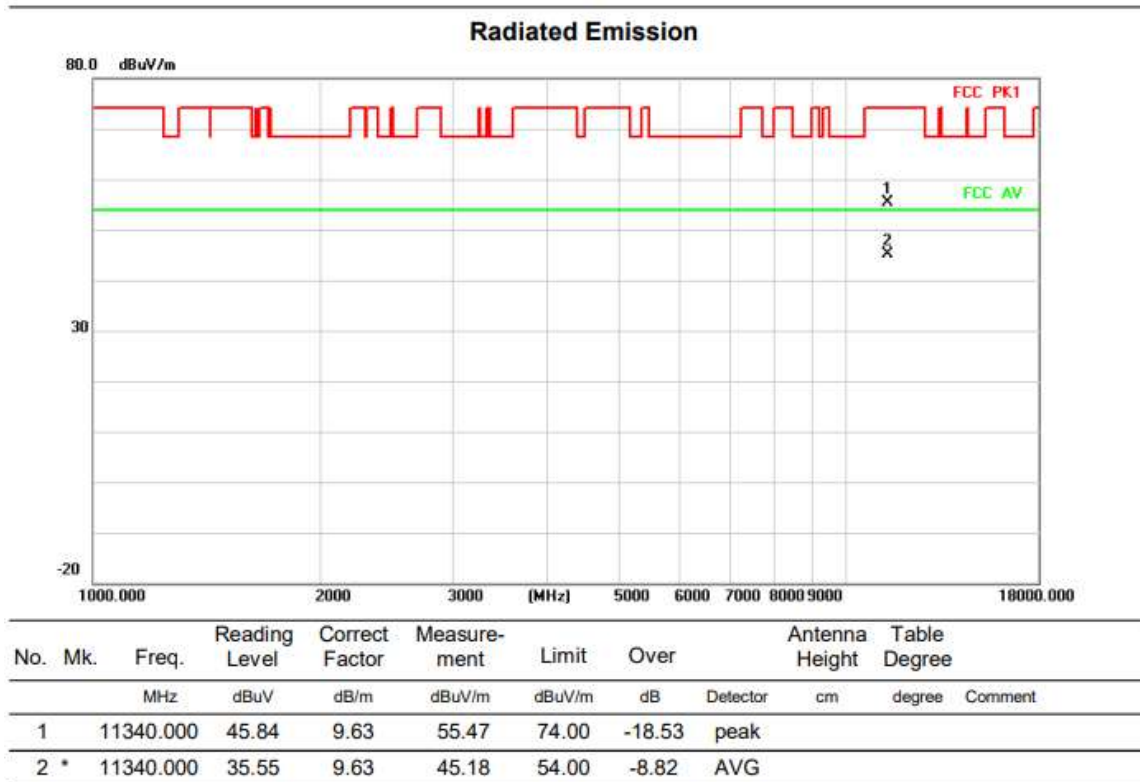
Test mode: 11N40MIMO

Test Channel:134

### VERTICAL



### HORIZONTAL



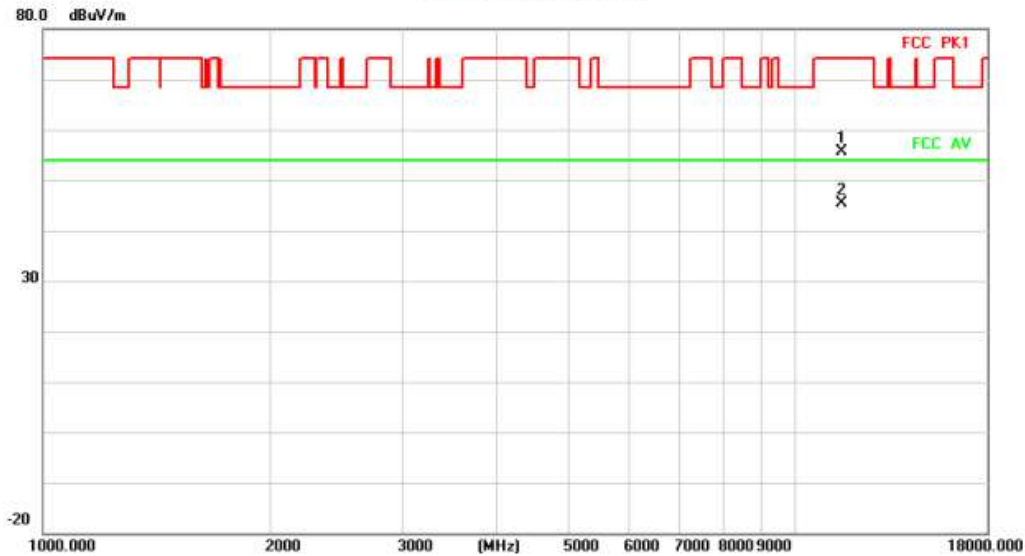
Above 1G (1GHz~18GHz)

Test mode: 11N40MIMO

Test Channel:151

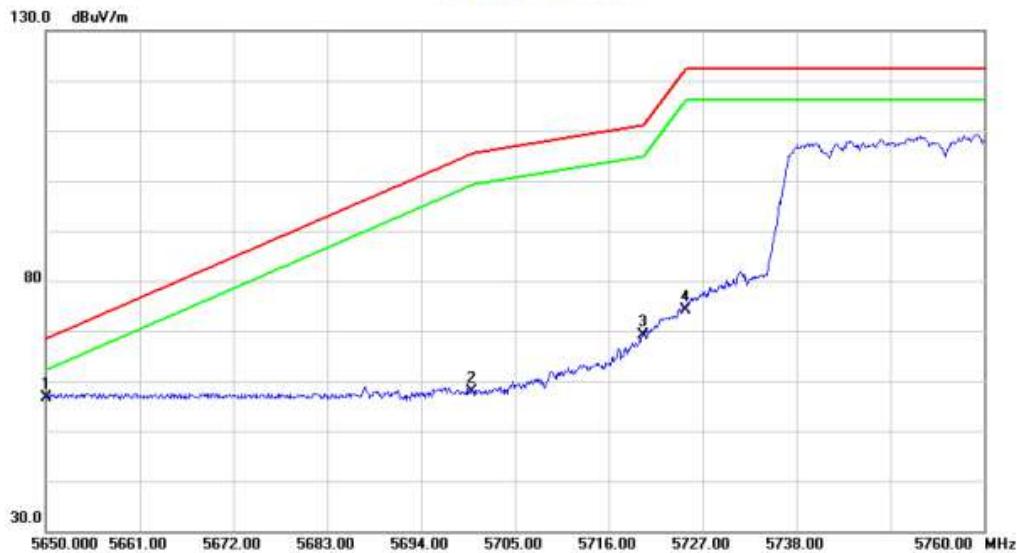
VERTICAL

### Radiated Emission



| No. | Mk. | Freq.     | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |         |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
|     |     | MHz       | dBuV          | dB/m           | dBuV/m      | dBuV/m | dB     | cm             | degree       | Comment |
| 1   |     | 11510.000 | 45.90         | 9.83           | 55.73       | 74.00  | -18.27 | peak           |              |         |
| 2 * |     | 11510.000 | 35.61         | 9.83           | 45.44       | 54.00  | -8.56  | AVG            |              |         |

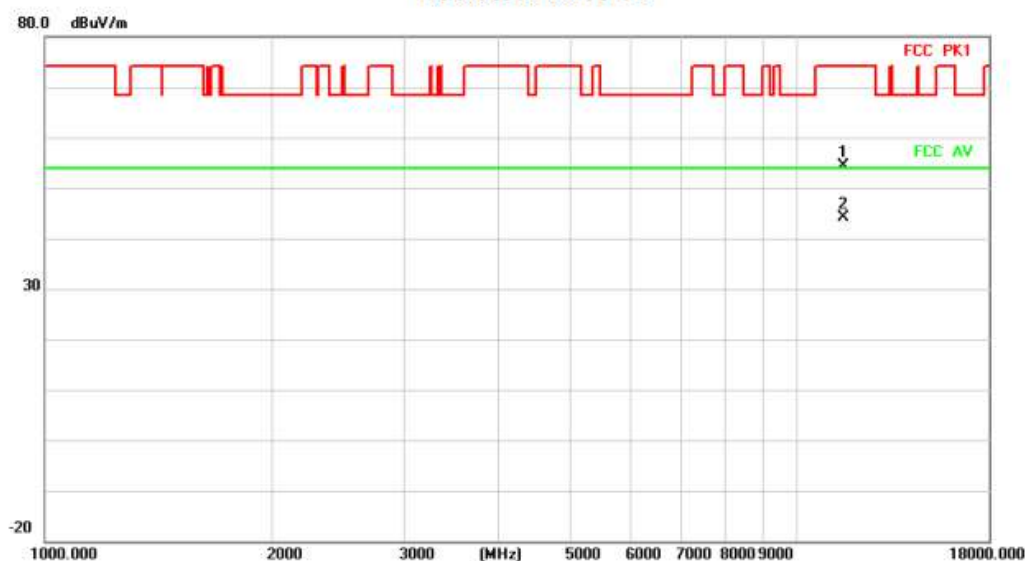
### Radiated Emission



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
|     |     | MHz      | dBuV          | dB/m           | dBuV/m      | dBuV/m | dB     | cm             | degree       | Comment |
| 1 * |     | 5650.000 | 58.75         | -2.09          | 56.66       | 68.20  | -11.54 | peak           |              |         |
| 2   |     | 5700.000 | 59.96         | -2.19          | 57.77       | 105.20 | -47.43 | peak           |              |         |
| 3   |     | 5720.000 | 71.26         | -2.23          | 69.03       | 110.80 | -41.77 | peak           |              |         |
| 4   |     | 5725.000 | 76.45         | -2.24          | 74.21       | 122.20 | -47.99 | peak           |              |         |

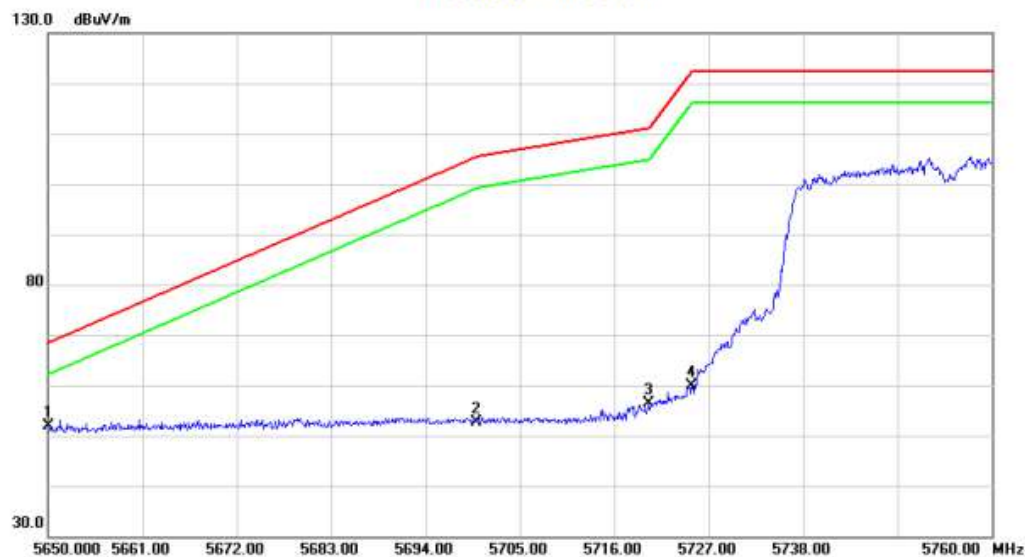
## HORIZONTALA

## Radiated Emission



| No. | Mk. | Freq.     | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |         |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
|     |     | MHz       | dBuV          | dB/m           | dBuV/m      | dBuV/m | dB     | cm             | degree       | Comment |
| 1   |     | 11510.000 | 44.64         | 9.83           | 54.47       | 74.00  | -19.53 | peak           |              |         |
| 2 * |     | 11510.000 | 34.27         | 9.83           | 44.10       | 54.00  | -9.90  | AVG            |              |         |

## Radiated Emission



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
|     |     | MHz      | dBuV          | dB/m           | dBuV/m      | dBuV/m | dB     | cm             | degree       | Comment |
| 1 * |     | 5650.000 | 53.97         | -2.09          | 51.88       | 68.20  | -16.32 | peak           |              |         |
| 2   |     | 5700.000 | 54.94         | -2.19          | 52.75       | 105.20 | -52.45 | peak           |              |         |
| 3   |     | 5720.000 | 58.68         | -2.23          | 56.45       | 110.80 | -54.35 | peak           |              |         |
| 4   |     | 5725.000 | 62.18         | -2.24          | 59.94       | 122.20 | -62.26 | peak           |              |         |

Above 1G (1GHz~18GHz)

Test mode: 11N40MIMO

Test Channel:159

VERTICAL

### Radiated Emission



| No. | Mk. | Freq.     | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |         |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
|     |     | MHz       | dBuV          | dB/m           | dBuV/m      | dBuV/m | dB     | cm             | degree       | Comment |
| 1   |     | 11590.000 | 46.57         | 10.06          | 56.63       | 74.00  | -17.37 | peak           |              |         |
| 2 * |     | 11590.000 | 36.19         | 10.06          | 46.25       | 54.00  | -7.75  | AVG            |              |         |

### Radiated Emission



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
|     |     | MHz      | dBuV          | dB/m           | dBuV/m      | dBuV/m | dB     | cm             | degree       | Comment |
| 1   |     | 5850.000 | 70.82         | -2.07          | 68.75       | 122.20 | -53.45 | peak           |              |         |
| 2   |     | 5855.000 | 65.81         | -2.04          | 63.77       | 110.80 | -47.03 | peak           |              |         |
| 3   |     | 5875.000 | 59.43         | -1.91          | 57.52       | 105.20 | -47.68 | peak           |              |         |
| 4 * |     | 5925.000 | 58.67         | -1.59          | 57.08       | 68.20  | -11.12 | peak           |              |         |

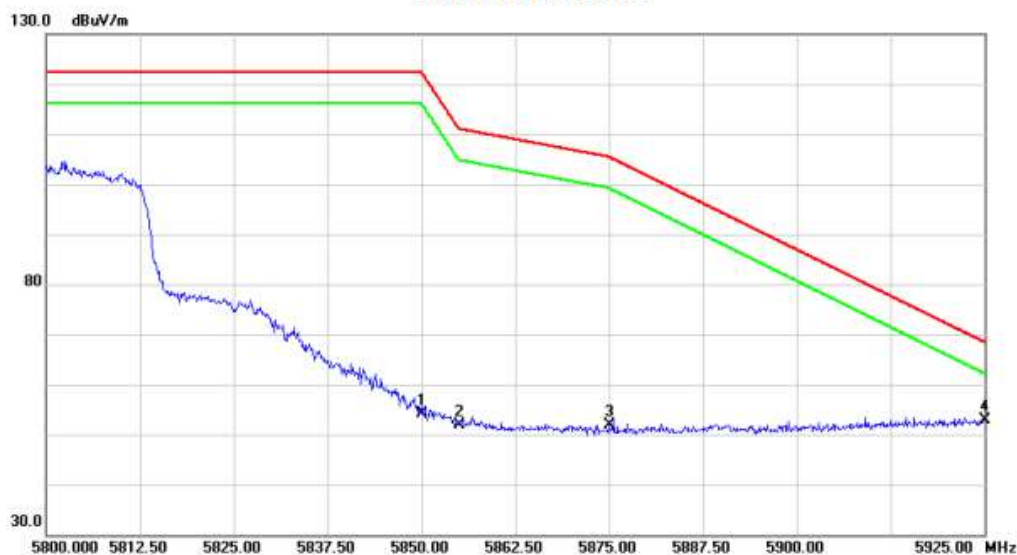
## HORIZONTALA

## Radiated Emission



| No. | Mk. | Freq.     | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |         |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
|     |     | MHz       | dBuV          | dB/m           | dBuV/m      | dBuV/m | dB     | cm             | degree       | Comment |
| 1   |     | 11590.000 | 45.83         | 10.06          | 55.89       | 74.00  | -18.11 | peak           |              |         |
| 2 * |     | 11590.000 | 35.40         | 10.06          | 45.46       | 54.00  | -8.54  | AVG            |              |         |

## Radiated Emission



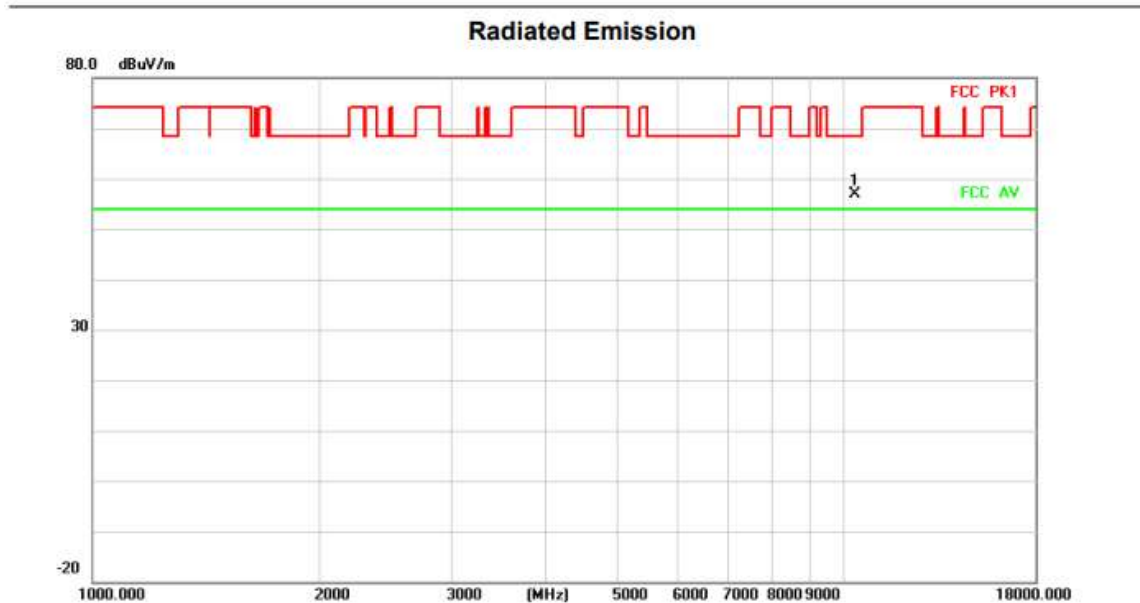
| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
|     |     | MHz      | dBuV          | dB/m           | dBuV/m      | dBuV/m | dB     | cm             | degree       | Comment |
| 1   |     | 5850.000 | 56.09         | -2.07          | 54.02       | 122.20 | -68.18 | peak           |              |         |
| 2   |     | 5855.000 | 53.98         | -2.04          | 51.94       | 110.80 | -58.86 | peak           |              |         |
| 3   |     | 5875.000 | 53.67         | -1.91          | 51.76       | 105.20 | -53.44 | peak           |              |         |
| 4 * |     | 5925.000 | 54.59         | -1.59          | 53.00       | 68.20  | -15.20 | peak           |              |         |

Above 1G (1GHz~18GHz)

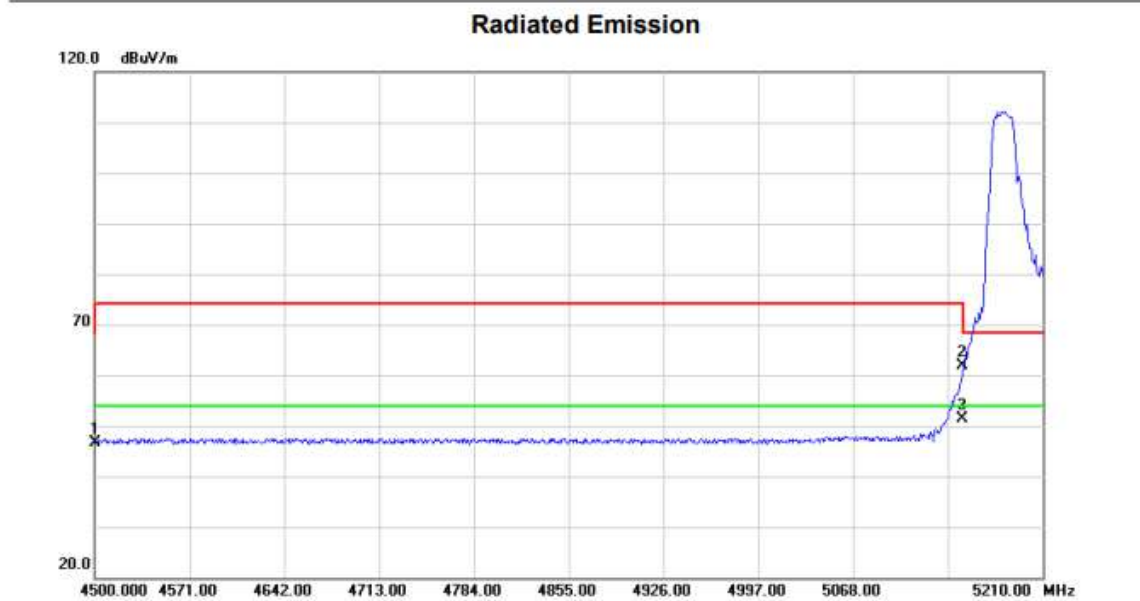
Test mode: 11AC20MIMO

Test Channel:36

VERTICAL



| No. | Mk. | Freq.     | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |         |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
|     |     | MHz       | dBuV          | dB/m           | dBuV/m      | dBuV/m | dB     | Detector       | cm           | degree  |
| 1   | *   | 10360.000 | 47.94         | 9.03           | 56.97       | 68.20  | -11.23 | peak           |              | Comment |



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
|     |     | MHz      | dBuV          | dB/m           | dBuV/m      | dBuV/m | dB     | Detector       | cm           | degree  |
| 1   |     | 4500.000 | 50.10         | -3.51          | 46.59       | 68.20  | -21.61 | peak           |              | Comment |
| 2   |     | 5150.000 | 63.82         | -1.88          | 61.94       | 68.20  | -6.26  | peak           |              |         |
| 3   | *   | 5150.000 | 53.14         | -1.88          | 51.26       | 54.00  | -2.74  | AVG            |              |         |

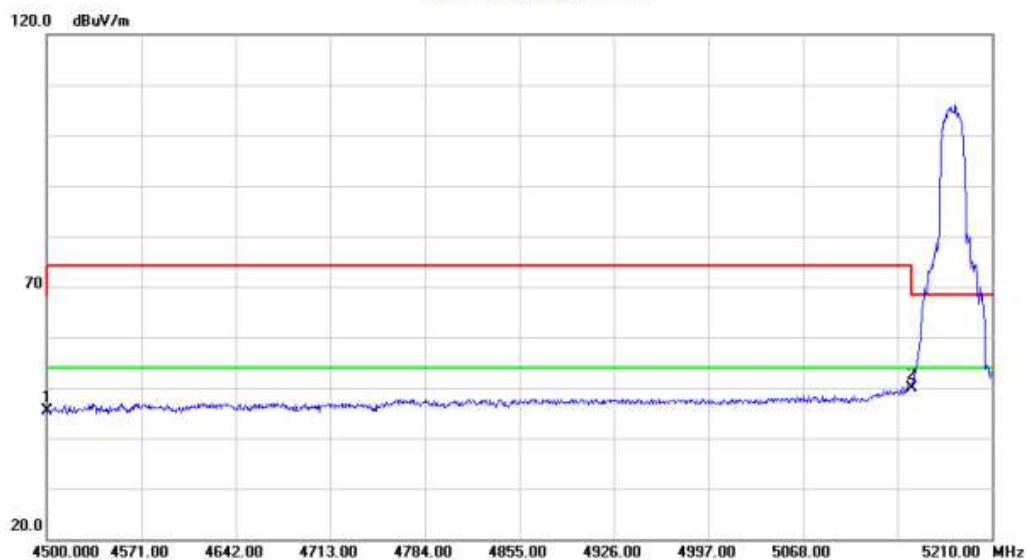
## HORIZONTAL

## Radiated Emission



| No. | Mk. | Freq.     | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |        |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|--------|
|     |     | MHz       | dBuV          | dB/m           | dBuV/m      | dBuV/m | dB     | Detector       | cm           | degree |
| 1   | *   | 10360.000 | 46.92         | 9.03           | 55.95       | 68.20  | -12.25 | peak           |              |        |

## Radiated Emission



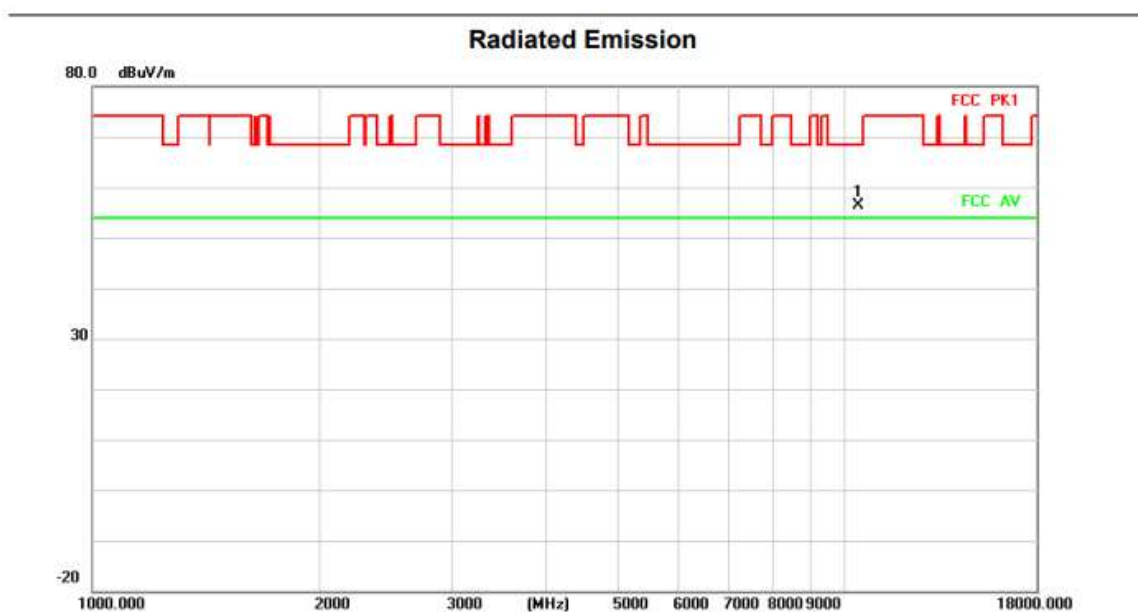
| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |        |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------------|--------------|--------|
|     |     | MHz      | dBuV          | dB/m           | dBuV/m      | dBuV/m | dB     | Detector       | cm           | degree |
| 1   |     | 4500.000 | 48.92         | -3.51          | 45.41       | 68.20  | -22.79 | peak           |              |        |
| 2   | *   | 5150.000 | 51.88         | -1.88          | 50.00       | 68.20  | -18.20 | peak           |              |        |

Above 1G (1GHz~18GHz)

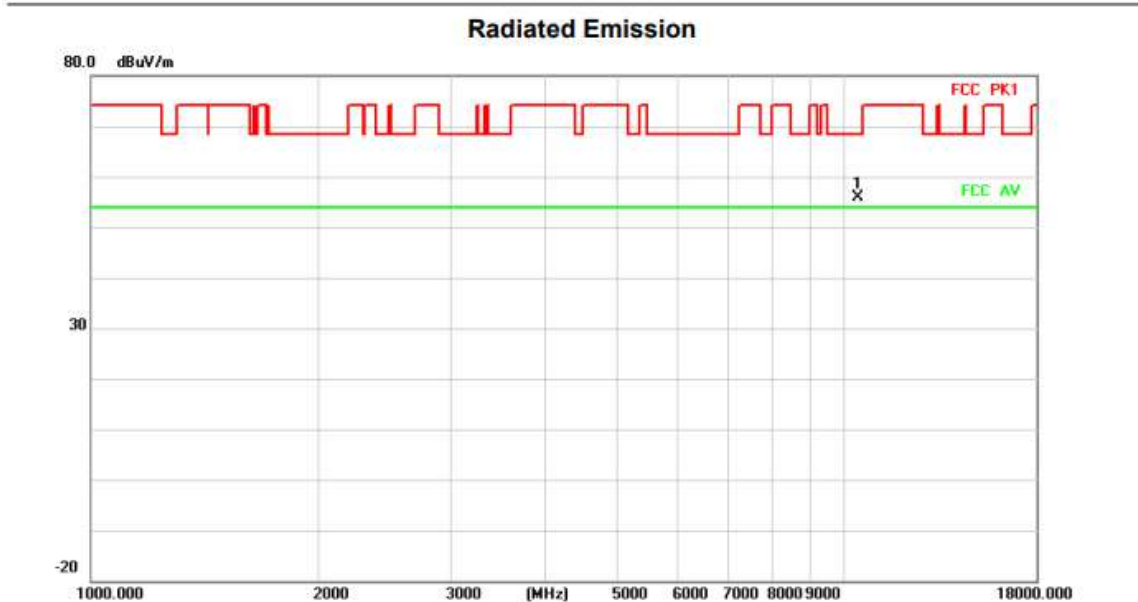
Test mode: 11AC20MIMO

Test Channel:40

VERTICAL



HORIZONTAL

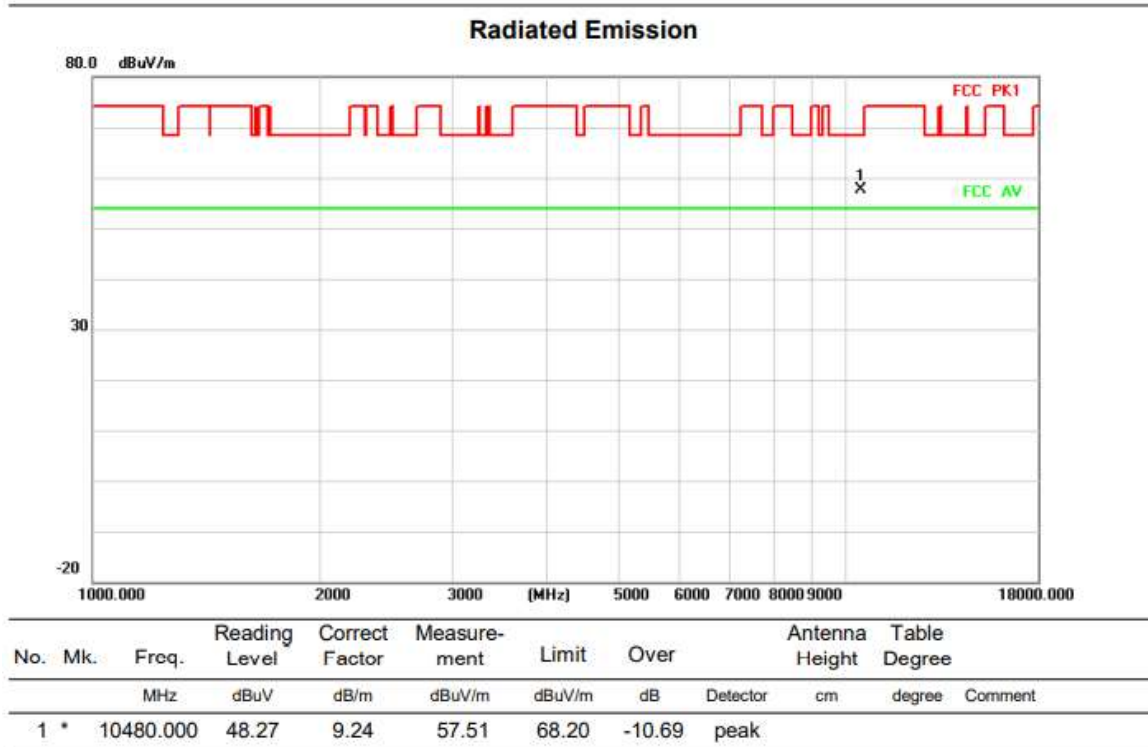


Above 1G (1GHz~18GHz)

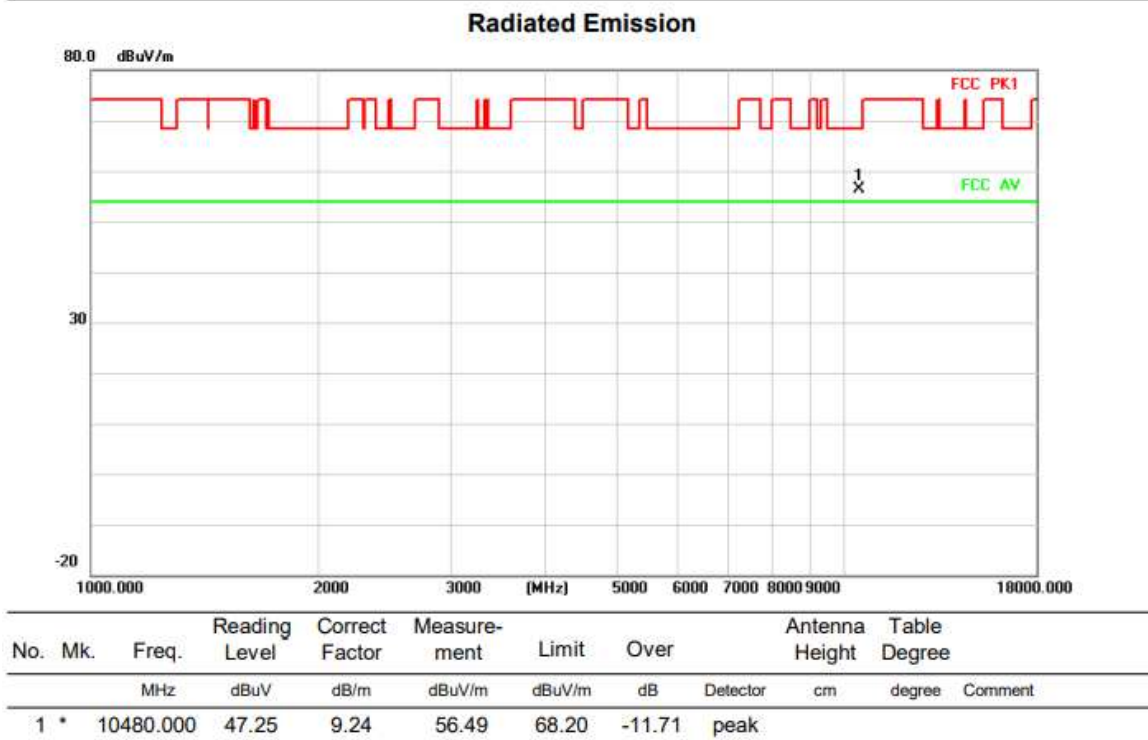
Test mode: 11AC20MIMO

Test Channel:48

### VERTICAL



### HORIZONTAL

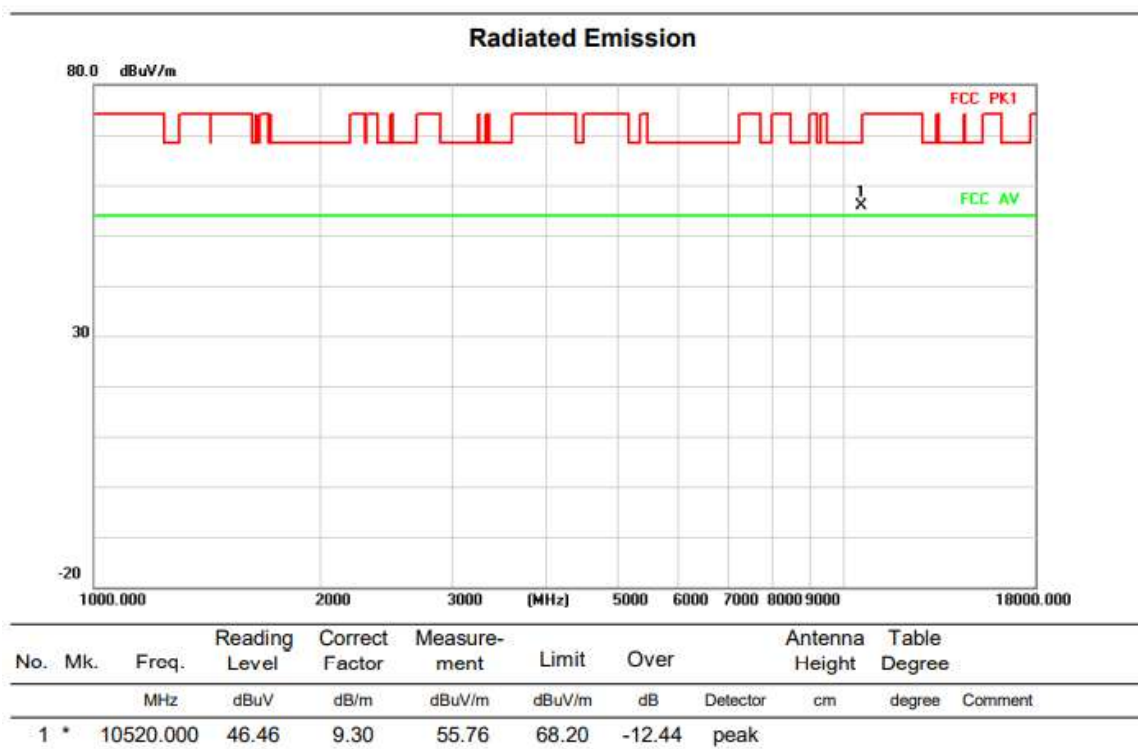


Above 1G (1GHz~18GHz)

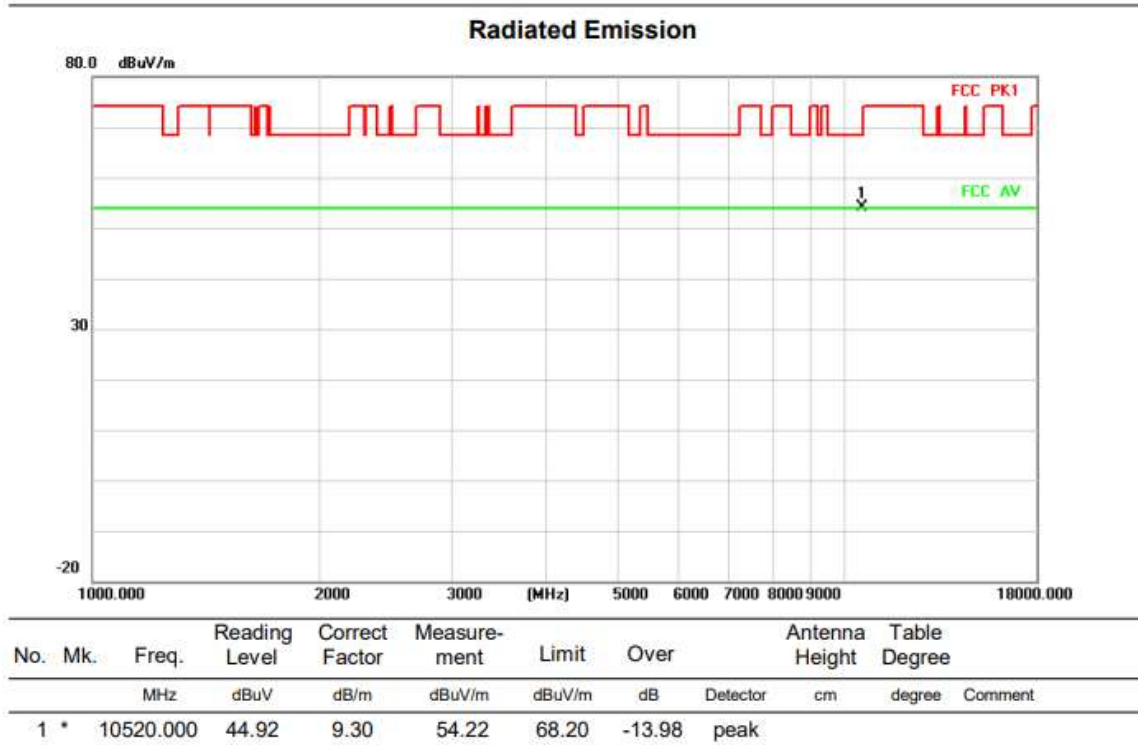
Test mode: 11AC20MIMO

Test Channel:52

### VERTICAL



### HORIZONTAL

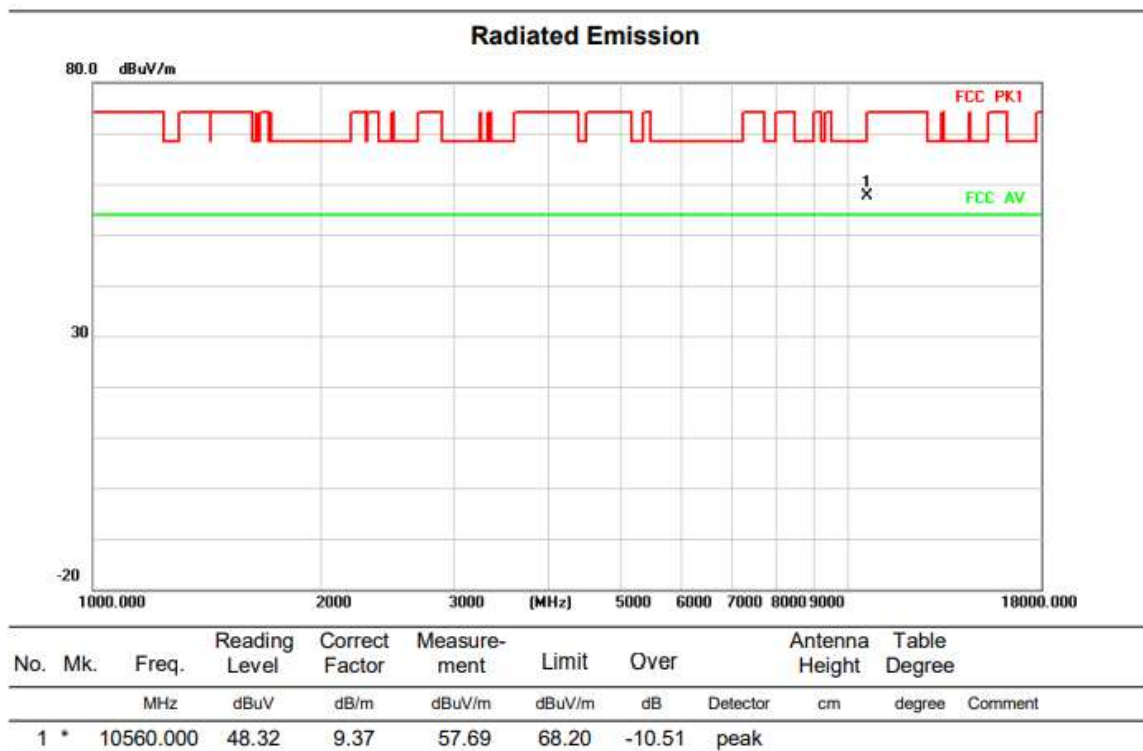


Above 1G (1GHz~18GHz)

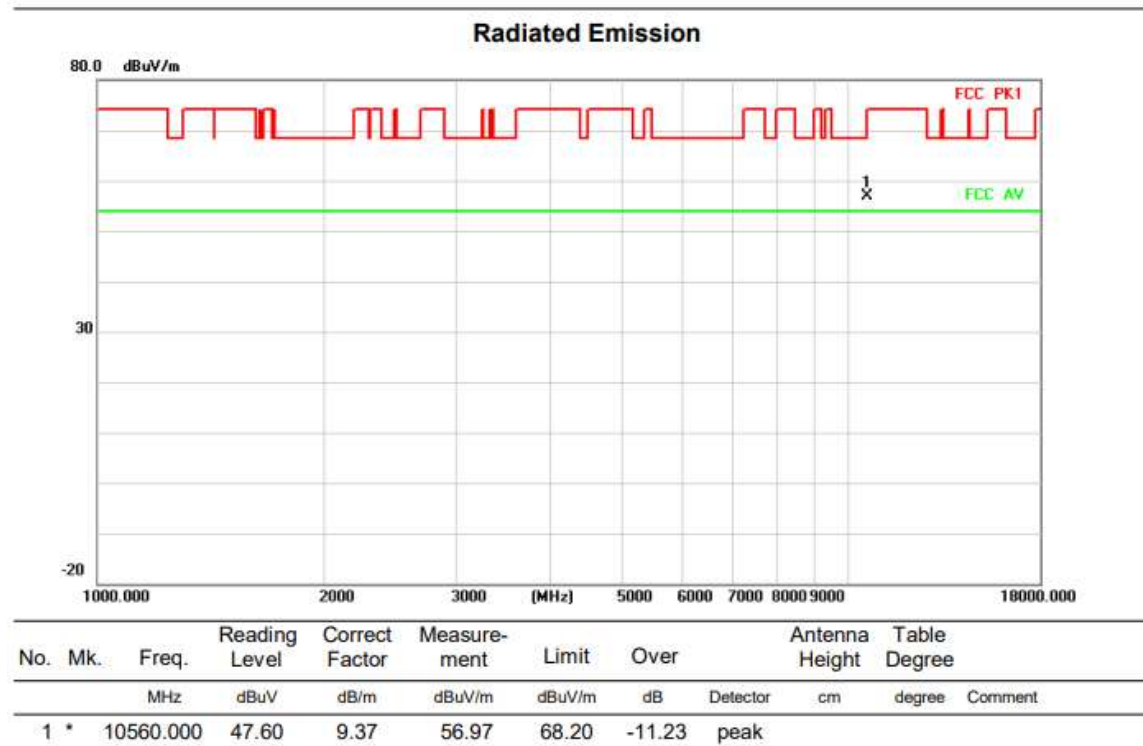
Test mode: 11AC20MIMO

Test Channel:56

### VERTICAL



### HORIZONTAL



Above 1G (1GHz~18GHz)

Test mode: 11AC20MIMO

Test Channel:64

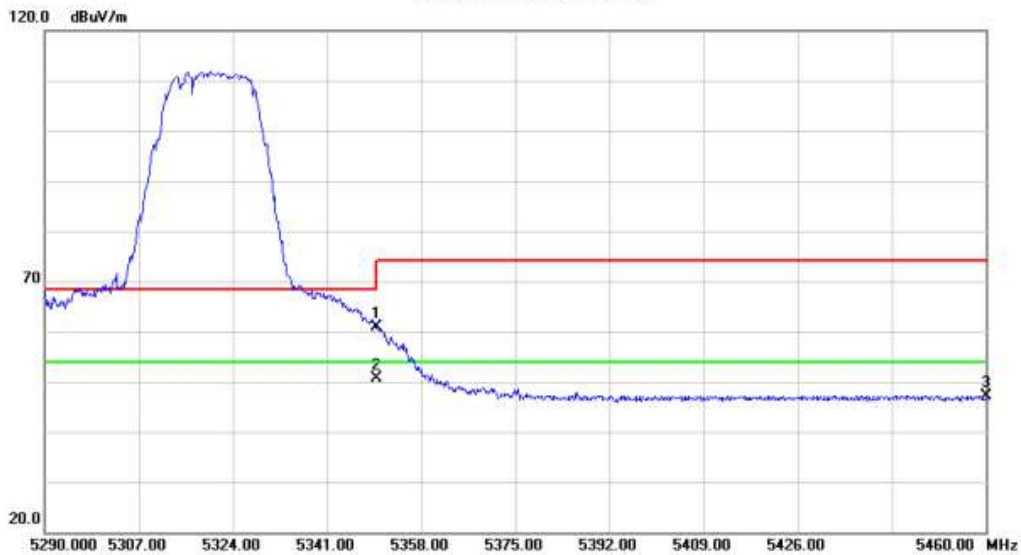
### VERTICAL

#### Radiated Emission



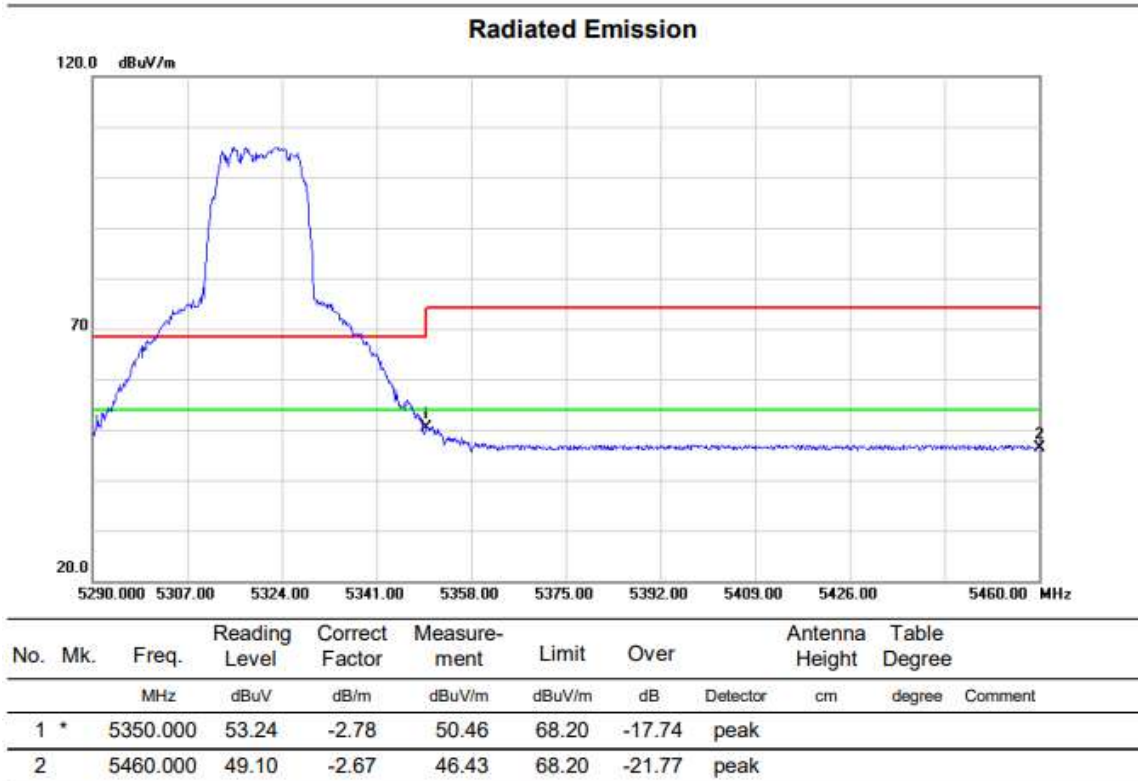
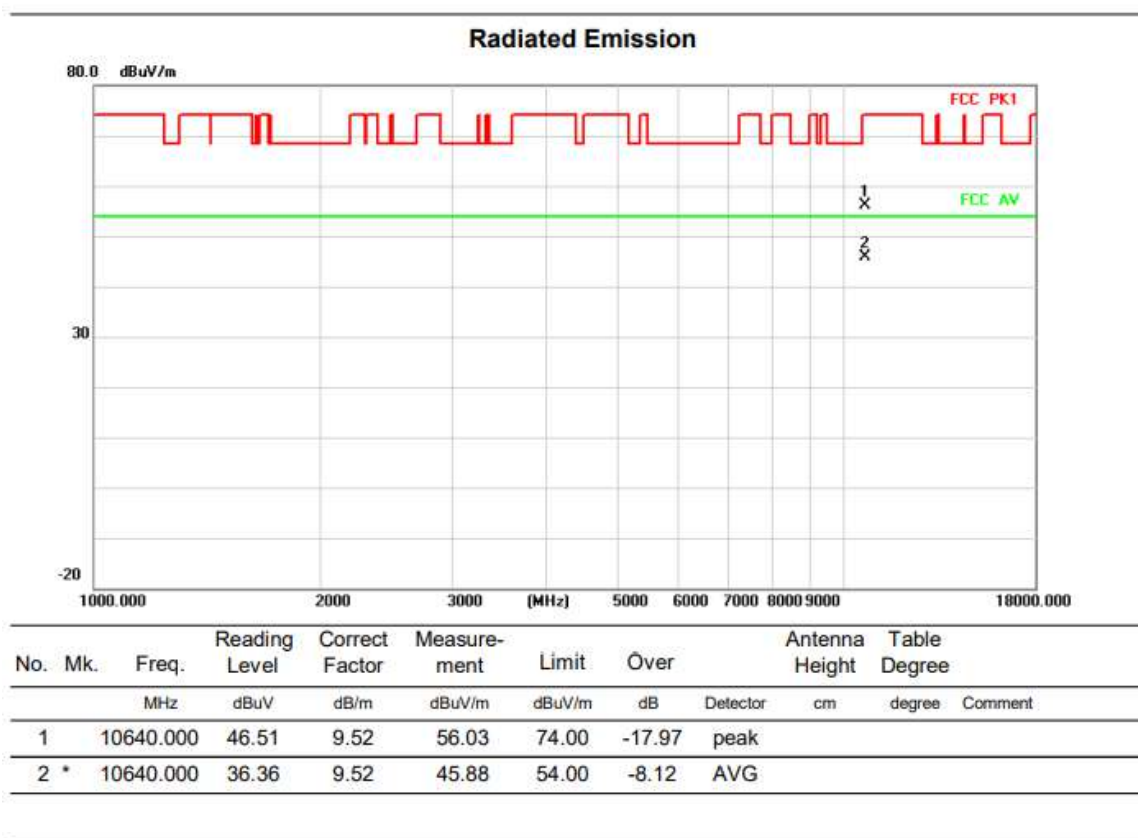
| No. | Mk. | Freq.     | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |         |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
|     |     | MHz       | dBuV          | dB/m           | dBuV/m      | dBuV/m | dB     | cm             | degree       | Comment |
| 1   |     | 10640.000 | 46.92         | 9.52           | 56.44       | 74.00  | -17.56 | peak           |              |         |
| 2 * |     | 10640.000 | 36.58         | 9.52           | 46.10       | 54.00  | -7.90  | AVG            |              |         |

#### Radiated Emission



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
|     |     | MHz      | dBuV          | dB/m           | dBuV/m      | dBuV/m | dB     | cm             | degree       | Comment |
| 1   |     | 5350.000 | 63.59         | -2.78          | 60.81       | 68.20  | -7.39  | peak           |              |         |
| 2 * |     | 5350.000 | 53.43         | -2.78          | 50.65       | 54.00  | -3.35  | AVG            |              |         |
| 3   |     | 5460.000 | 49.71         | -2.67          | 47.04       | 68.20  | -21.16 | peak           |              |         |

## HORIZONTALA



Above 1G (1GHz~18GHz)

Test mode: 11AC20MIMO

Test Channel:100

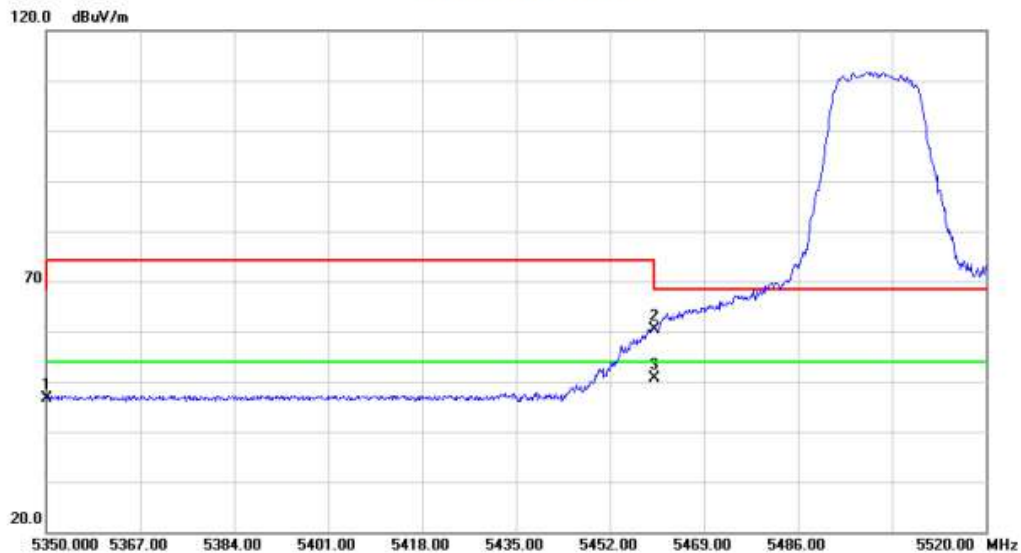
VERTICAL

### Radiated Emission



| No. | Mk. | Freq.     | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |         |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
|     |     | MHz       | dBuV          | dB/m           | dBuV/m      | dBuV/m | dB     | cm             | degree       | Comment |
| 1   |     | 11000.000 | 47.76         | 10.29          | 58.05       | 74.00  | -15.95 | peak           |              |         |
| 2 * |     | 11000.000 | 37.47         | 10.29          | 47.76       | 54.00  | -6.24  | AVG            |              |         |

### Radiated Emission



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
|     |     | MHz      | dBuV          | dB/m           | dBuV/m      | dBuV/m | dB     | cm             | degree       | Comment |
| 1   |     | 5350.000 | 49.32         | -2.78          | 46.54       | 68.20  | -21.66 | peak           |              |         |
| 2   |     | 5460.000 | 63.06         | -2.67          | 60.39       | 68.20  | -7.81  | peak           |              |         |
| 3 * |     | 5460.000 | 53.32         | -2.67          | 50.65       | 54.00  | -3.35  | AVG            |              |         |

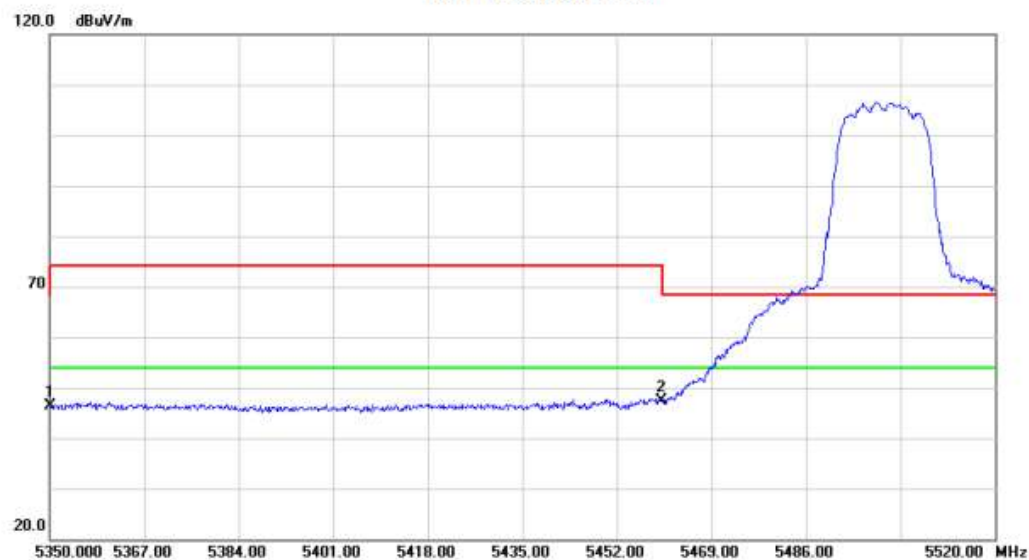
## HORIZONTALA

## Radiated Emission



| No. | Mk. | Freq.     | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |        |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|--------|
|     |     | MHz       | dBuV          | dB/m           | dBuV/m      | dBuV/m | dB     | Detector       | cm           | degree |
| 1   |     | 11000.000 | 47.04         | 10.29          | 57.33       | 74.00  | -16.67 | peak           |              |        |
| 2 * |     | 11000.000 | 36.72         | 10.29          | 47.01       | 54.00  | -6.99  | AVG            |              |        |

## Radiated Emission



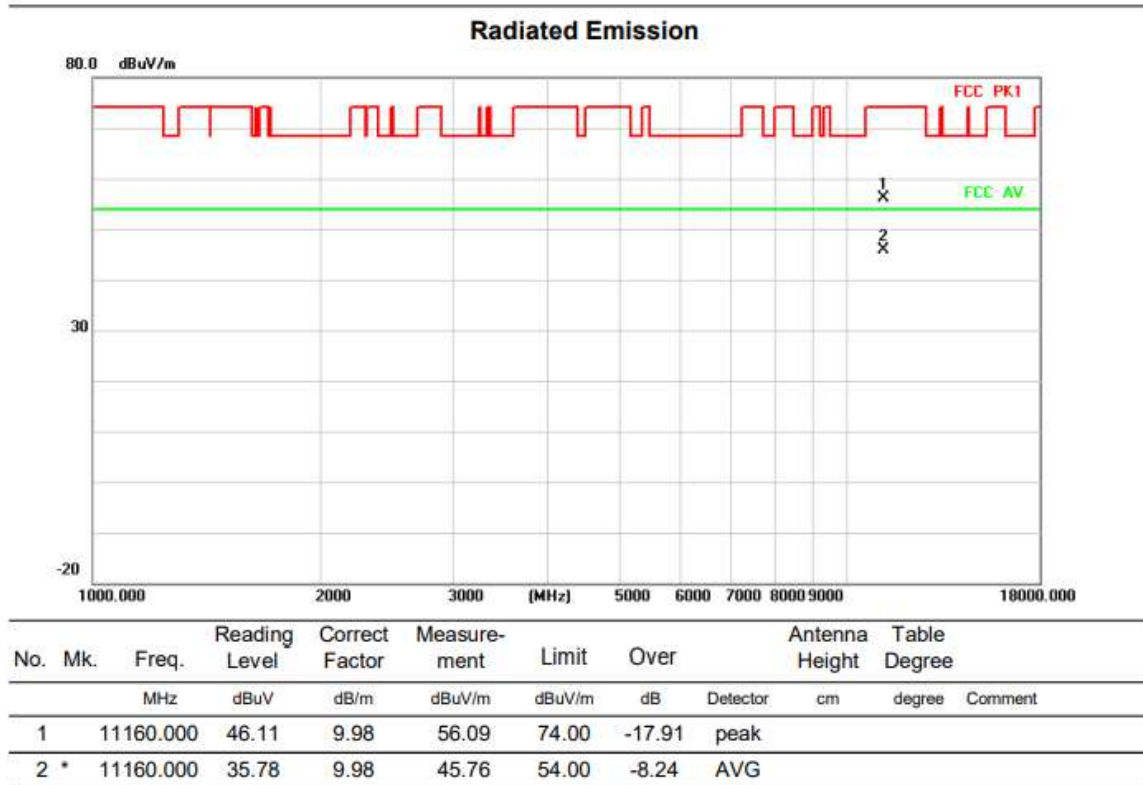
| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |        |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------------|--------------|--------|
|     |     | MHz      | dBuV          | dB/m           | dBuV/m      | dBuV/m | dB     | Detector       | cm           | degree |
| 1   |     | 5350.000 | 49.16         | -2.78          | 46.38       | 68.20  | -21.82 | peak           |              |        |
| 2 * |     | 5460.000 | 50.15         | -2.67          | 47.48       | 68.20  | -20.72 | peak           |              |        |

Above 1G (1GHz~18GHz)

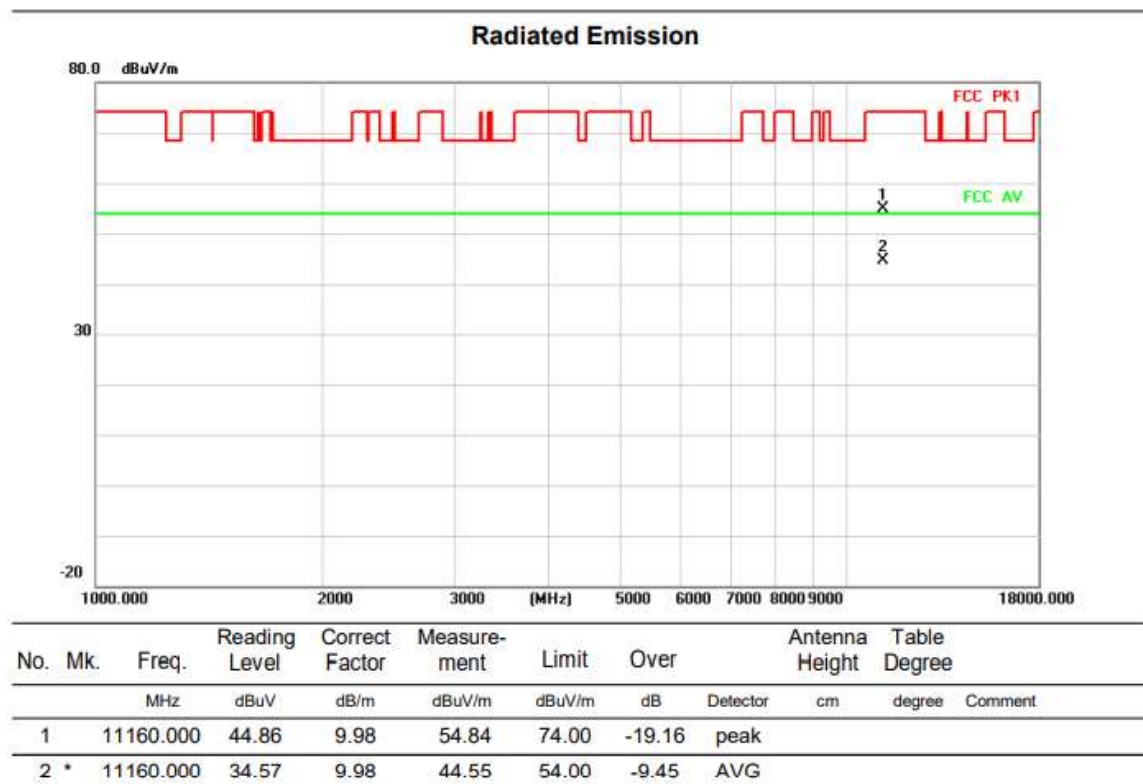
Test mode: 11AC20MIMO

Test Channel:116

### VERTICAL



### HORIZONTAL



Above 1G (1GHz~18GHz)

Test mode: 11AC20MIMO

Test Channel:140

### VERTICAL

#### Radiated Emission



| No. | Mk. | Freq.     | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |        |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|--------|
|     |     | MHz       | dBuV          | dB/m           | dBuV/m      | dBuV/m | dB     | Detector       | cm           | degree |
| 1   |     | 11400.000 | 46.93         | 9.51           | 56.44       | 74.00  | -17.56 | peak           |              |        |
| 2 * |     | 11400.000 | 36.60         | 9.51           | 46.11       | 54.00  | -7.89  | AVG            |              |        |

### HORIZONTAL

#### Radiated Emission



| No. | Mk. | Freq.     | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |        |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|--------|
|     |     | MHz       | dBuV          | dB/m           | dBuV/m      | dBuV/m | dB     | Detector       | cm           | degree |
| 1   |     | 11400.000 | 46.08         | 9.51           | 55.59       | 74.00  | -18.41 | peak           |              |        |
| 2 * |     | 11400.000 | 35.71         | 9.51           | 45.22       | 54.00  | -8.78  | AVG            |              |        |

Above 1G (1GHz~18GHz)

Test mode: 11AC20MIMO

Test Channel:149

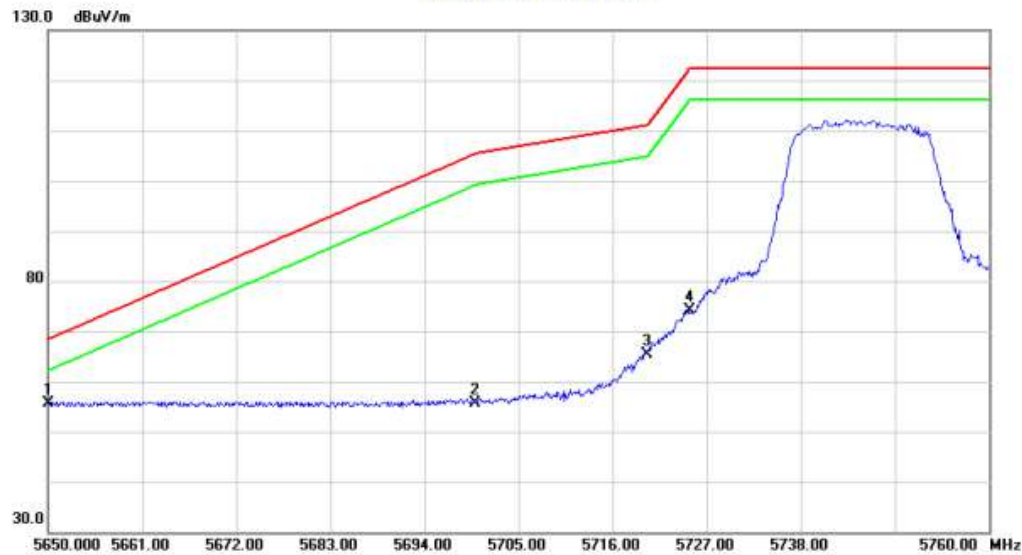
VERTICAL

### Radiated Emission



| No. | Mk. | Freq.     | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |         |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
|     |     | MHz       | dBuV          | dB/m           | dBuV/m      | dBuV/m | dB     | cm             | degree       | Comment |
| 1   |     | 11490.000 | 46.90         | 9.78           | 56.68       | 74.00  | -17.32 | peak           |              |         |
| 2 * |     | 11490.000 | 36.59         | 9.78           | 46.37       | 54.00  | -7.63  | AVG            |              |         |

### Radiated Emission



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
|     |     | MHz      | dBuV          | dB/m           | dBuV/m      | dBuV/m | dB     | cm             | degree       | Comment |
| 1 * |     | 5650.000 | 57.82         | -2.09          | 55.73       | 68.20  | -12.47 | peak           |              |         |
| 2   |     | 5700.000 | 57.75         | -2.19          | 55.56       | 105.20 | -49.64 | peak           |              |         |
| 3   |     | 5720.000 | 67.71         | -2.23          | 65.48       | 110.80 | -45.32 | peak           |              |         |
| 4   |     | 5725.000 | 76.36         | -2.24          | 74.12       | 122.20 | -48.08 | peak           |              |         |

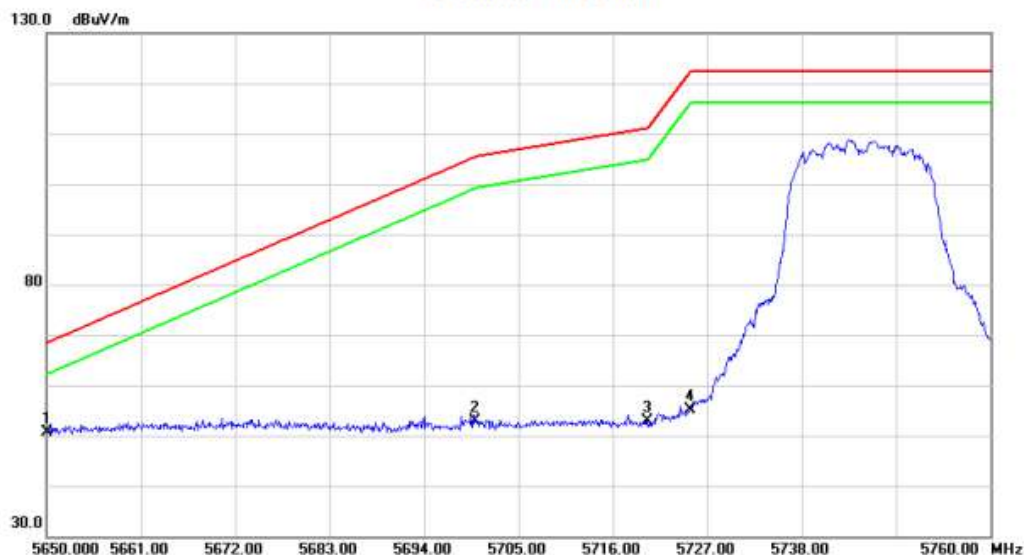
## HORIZONTALA

## Radiated Emission



| No. | Mk. | Freq.     | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |         |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
|     |     | MHz       | dBuV          | dB/m           | dBuV/m      | dBuV/m | dB     | cm             | degree       | Comment |
| 1   |     | 11490.000 | 45.74         | 9.78           | 55.52       | 74.00  | -18.48 | peak           |              |         |
| 2 * |     | 11490.000 | 35.34         | 9.78           | 45.12       | 54.00  | -8.88  | AVG            |              |         |

## Radiated Emission



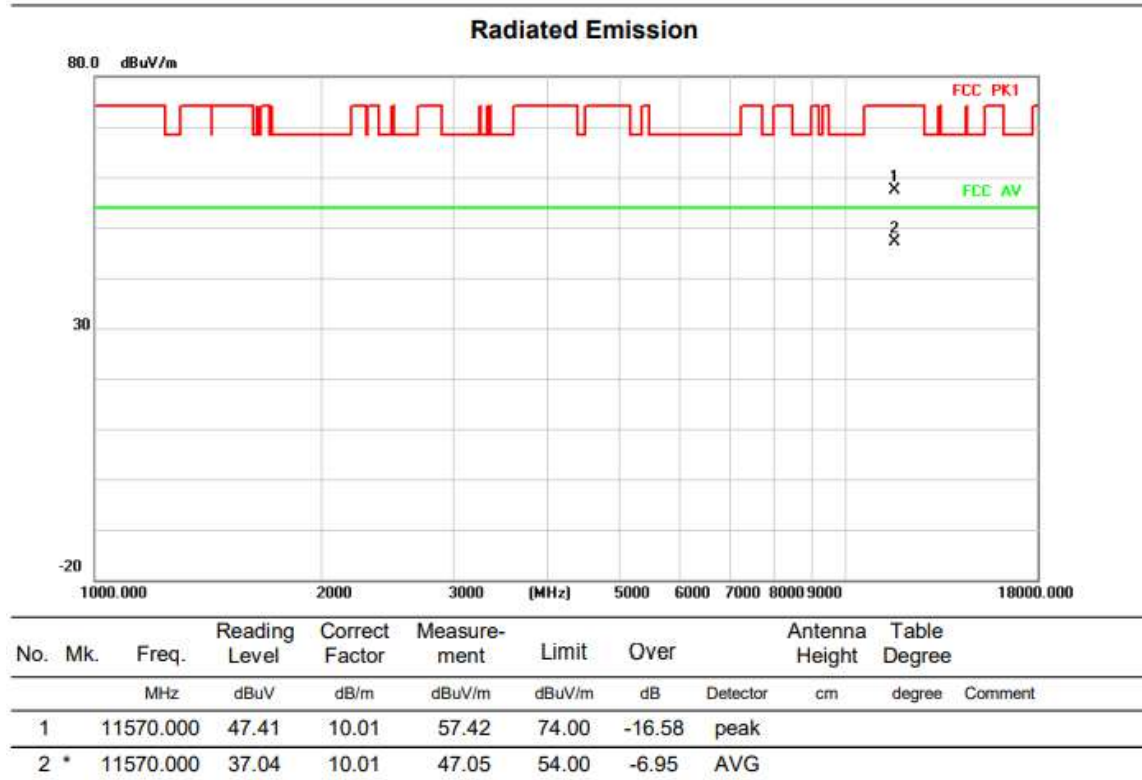
| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
|     |     | MHz      | dBuV          | dB/m           | dBuV/m      | dBuV/m | dB     | cm             | degree       | Comment |
| 1 * |     | 5650.000 | 52.79         | -2.09          | 50.70       | 68.20  | -17.50 | peak           |              |         |
| 2   |     | 5700.000 | 55.12         | -2.19          | 52.93       | 105.20 | -52.27 | peak           |              |         |
| 3   |     | 5720.000 | 55.03         | -2.23          | 52.80       | 110.80 | -58.00 | peak           |              |         |
| 4   |     | 5725.000 | 57.34         | -2.24          | 55.10       | 122.20 | -67.10 | peak           |              |         |

Above 1G (1GHz~18GHz)

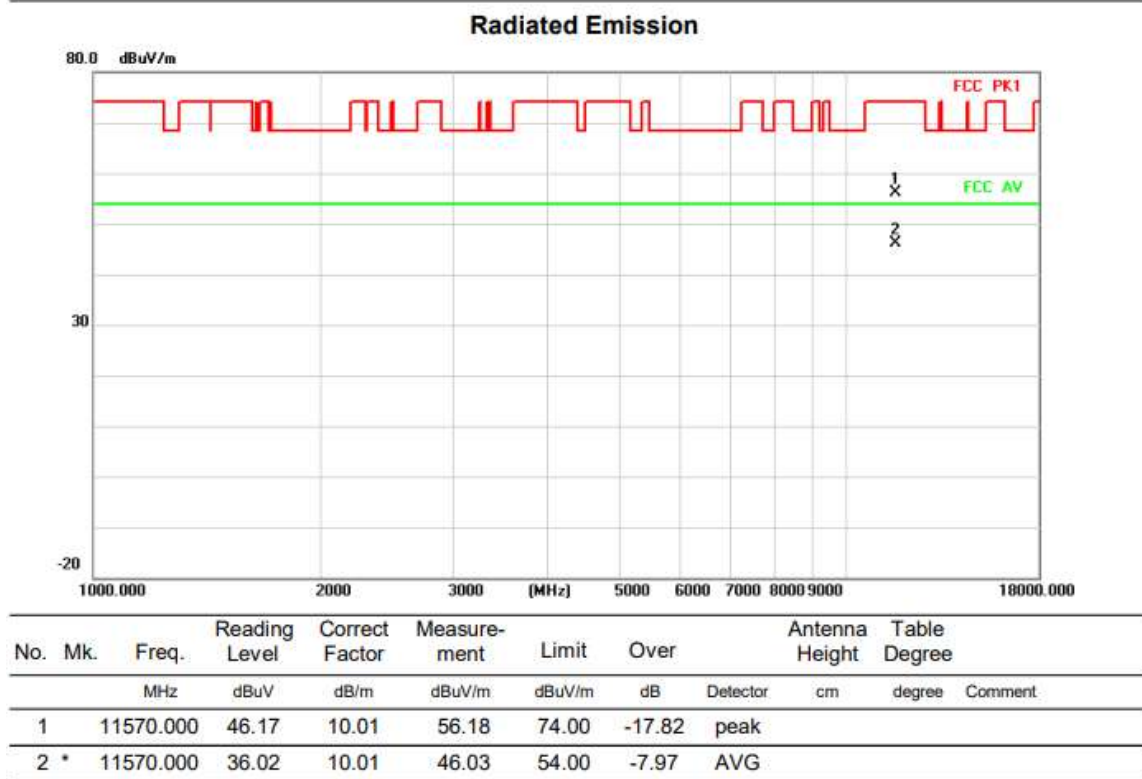
Test mode: 11AC20MIMO

Test Channel:157

### VERTICAL



### HORIZONTAL



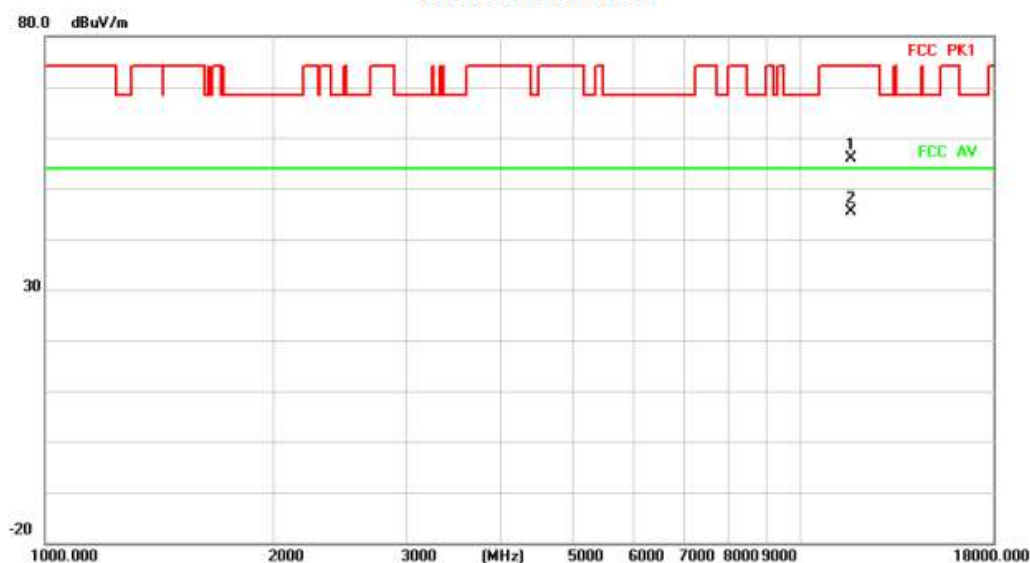
Above 1G (1GHz~18GHz)

Test mode: 11AC20MIMO

Test Channel:165

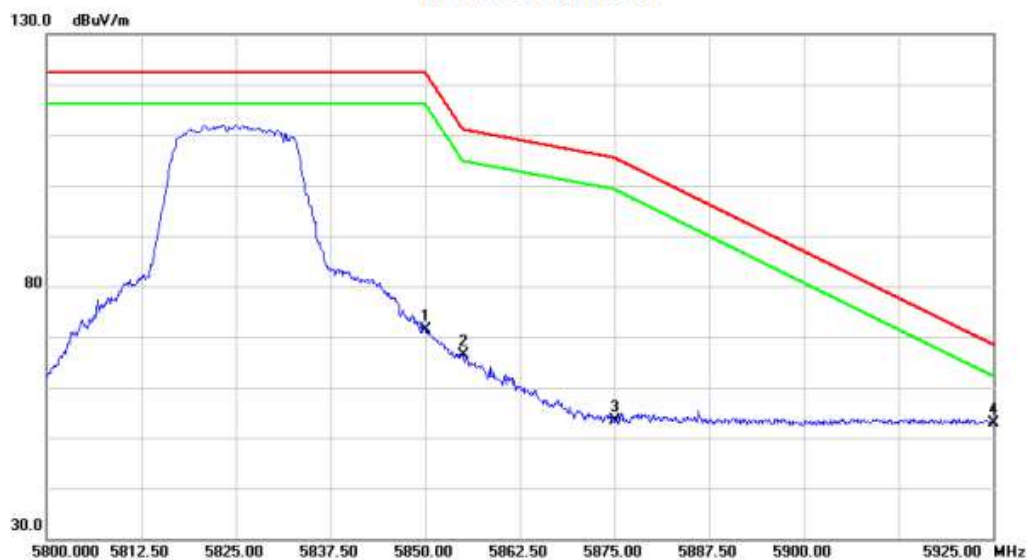
VERTICAL

### Radiated Emission



| No. | Mk. | Freq.     | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |        |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|--------|
|     |     | MHz       | dBuV          | dB/m           | dBuV/m      | dBuV/m | dB     | Detector       | cm           | degree |
| 1   |     | 11650.000 | 45.69         | 10.24          | 55.93       | 74.00  | -18.07 | peak           |              |        |
| 2 * |     | 11650.000 | 35.08         | 10.24          | 45.32       | 54.00  | -8.68  | AVG            |              |        |

### Radiated Emission



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |        |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------------|--------------|--------|
|     |     | MHz      | dBuV          | dB/m           | dBuV/m      | dBuV/m | dB     | Detector       | cm           | degree |
| 1   |     | 5850.000 | 73.33         | -2.07          | 71.26       | 122.20 | -50.94 | peak           |              |        |
| 2   |     | 5855.000 | 68.40         | -2.04          | 66.36       | 110.80 | -44.44 | peak           |              |        |
| 3   |     | 5875.000 | 55.34         | -1.91          | 53.43       | 105.20 | -51.77 | peak           |              |        |
| 4 * |     | 5925.000 | 54.37         | -1.59          | 52.78       | 68.20  | -15.42 | peak           |              |        |

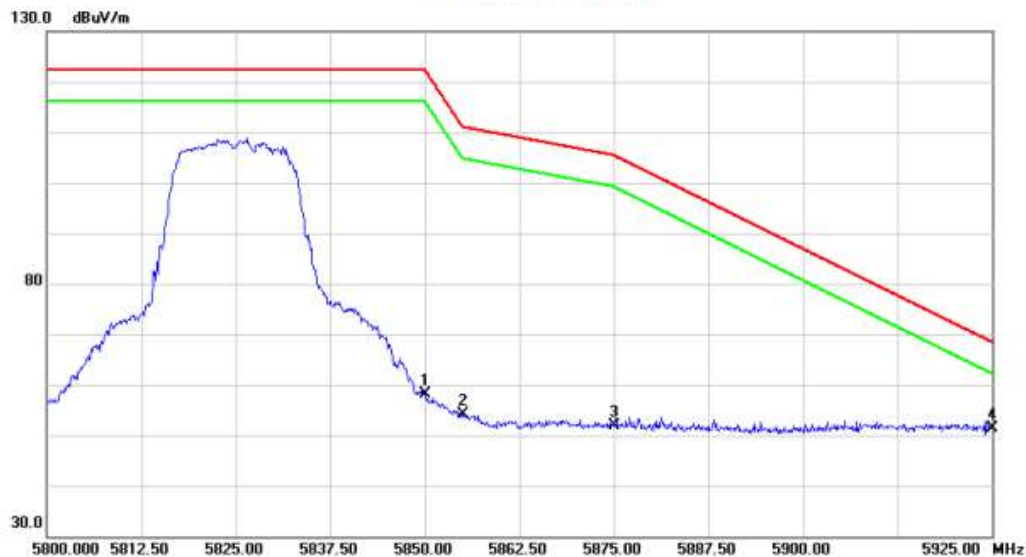
## HORIZONTALA

## Radiated Emission



| No. | Mk. | Freq.     | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |        |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|--------|
|     |     | MHz       | dBuV          | dB/m           | dBuV/m      | dBuV/m | dB     | Detector       | cm           | degree |
| 1   |     | 11650.000 | 44.08         | 10.24          | 54.32       | 74.00  | -19.68 | peak           |              |        |
| 2 * |     | 11650.000 | 33.66         | 10.24          | 43.90       | 54.00  | -10.10 | AVG            |              |        |

## Radiated Emission



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |        |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------------|--------------|--------|
|     |     | MHz      | dBuV          | dB/m           | dBuV/m      | dBuV/m | dB     | Detector       | cm           | degree |
| 1   |     | 5850.000 | 60.16         | -2.07          | 58.09       | 122.20 | -64.11 | peak           |              |        |
| 2   |     | 5855.000 | 56.28         | -2.04          | 54.24       | 110.80 | -56.56 | peak           |              |        |
| 3   |     | 5875.000 | 53.86         | -1.91          | 51.95       | 105.20 | -53.25 | peak           |              |        |
| 4 * |     | 5925.000 | 52.90         | -1.59          | 51.31       | 68.20  | -16.89 | peak           |              |        |

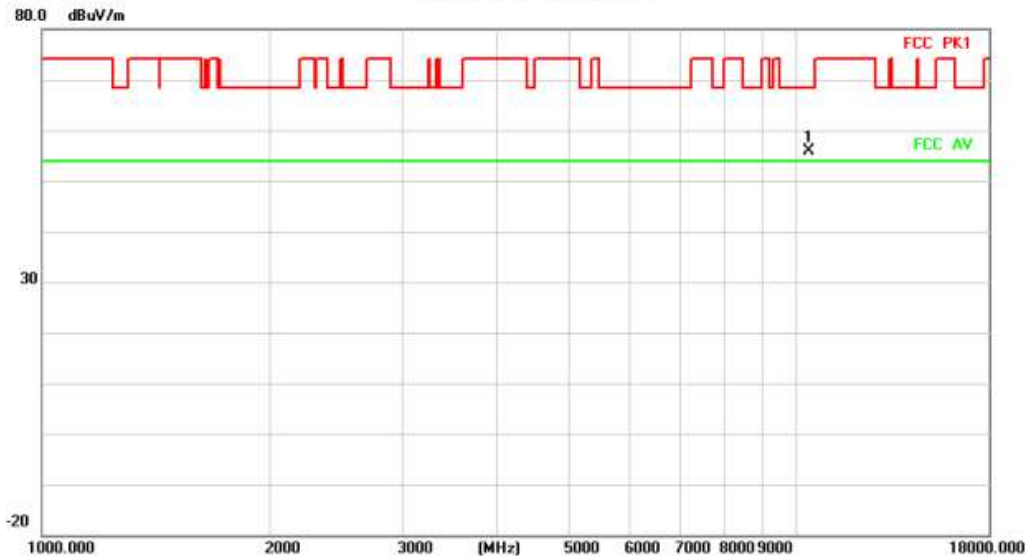
Above 1G (1GHz~18GHz)

Test mode: 11AC40MIMO

Test Channel:38

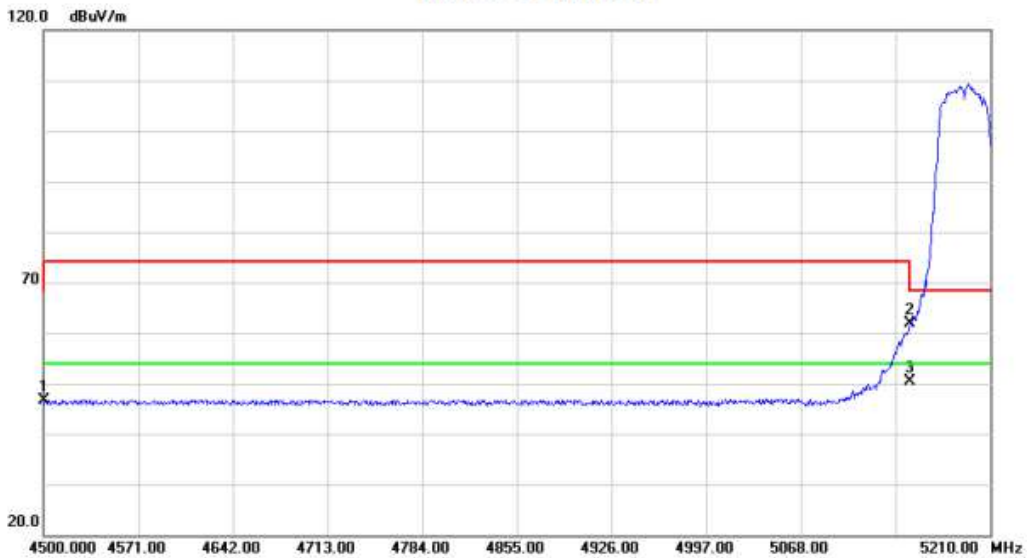
### VERTICAL

#### Radiated Emission



| No. | Mk. | Freq.     | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |        |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|--------|
|     |     | MHz       | dBuV          | dB/m           | dBuV/m      | dBuV/m | dB     | Detector       | cm           | degree |
| 1   | *   | 10380.000 | 46.72         | 9.06           | 55.78       | 68.20  | -12.42 | peak           |              |        |

#### Radiated Emission



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |        |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------------|--------------|--------|
|     |     | MHz      | dBuV          | dB/m           | dBuV/m      | dBuV/m | dB     | Detector       | cm           | degree |
| 1   |     | 4500.000 | 50.16         | -3.51          | 46.65       | 68.20  | -21.55 | peak           |              |        |
| 2   |     | 5150.000 | 63.65         | -1.88          | 61.77       | 68.20  | -6.43  | peak           |              |        |
| 3   | *   | 5150.000 | 52.30         | -1.88          | 50.42       | 54.00  | -3.58  | AVG            |              |        |

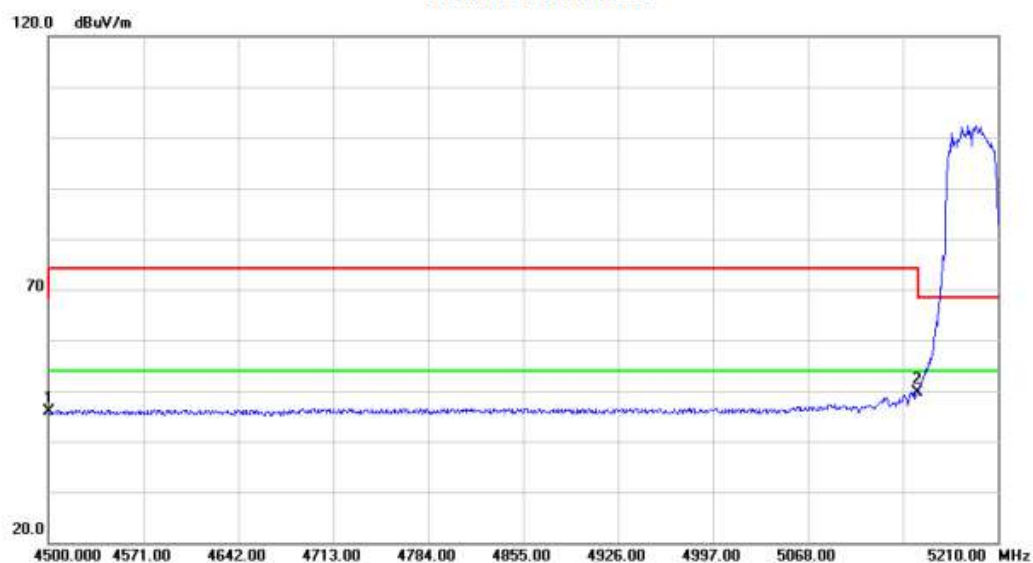
## HORIZONTALA

## Radiated Emission



| No. | Mk. | Freq.     | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |         |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
|     |     | MHz       | dBuV          | dB/m           | dBuV/m      | dBuV/m | dB     | cm             | degree       | Comment |
| 1   | *   | 10380.000 | 46.24         | 9.06           | 55.30       | 68.20  | -12.90 | peak           |              |         |

## Radiated Emission



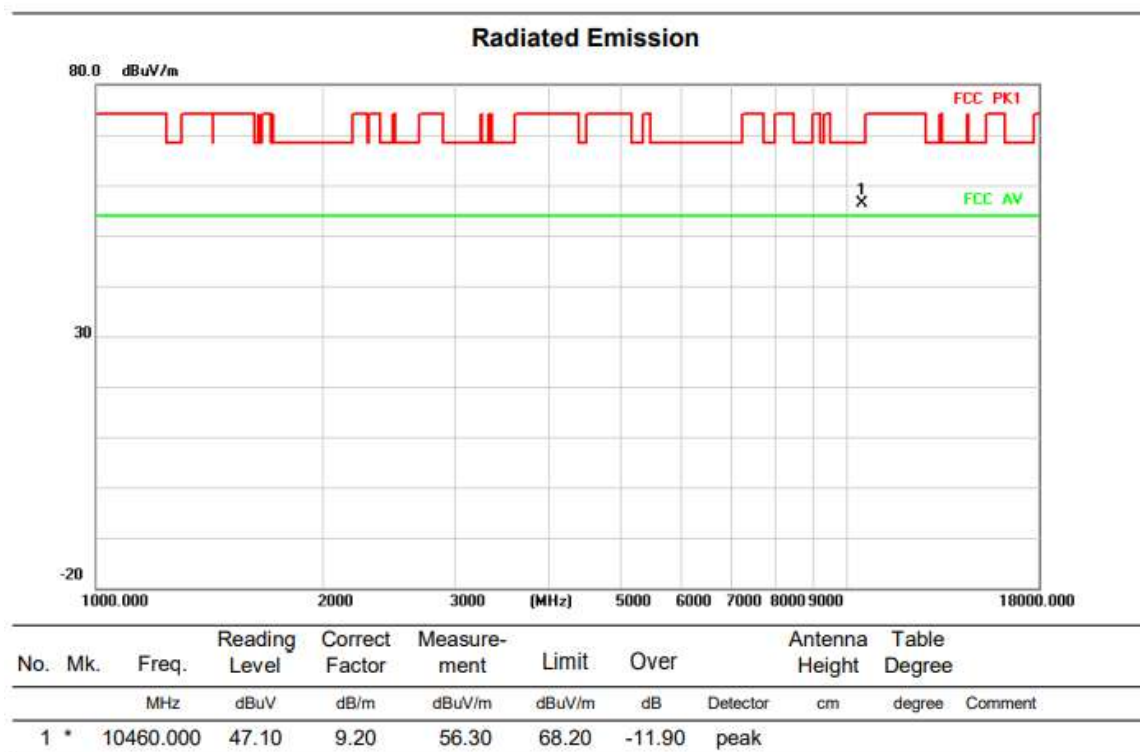
| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
|     |     | MHz      | dBuV          | dB/m           | dBuV/m      | dBuV/m | dB     | cm             | degree       | Comment |
| 1   |     | 4500.000 | 49.33         | -3.51          | 45.82       | 68.20  | -22.38 | peak           |              |         |
| 2   | *   | 5150.000 | 51.59         | -1.88          | 49.71       | 68.20  | -18.49 | peak           |              |         |

Above 1G (1GHz~18GHz)

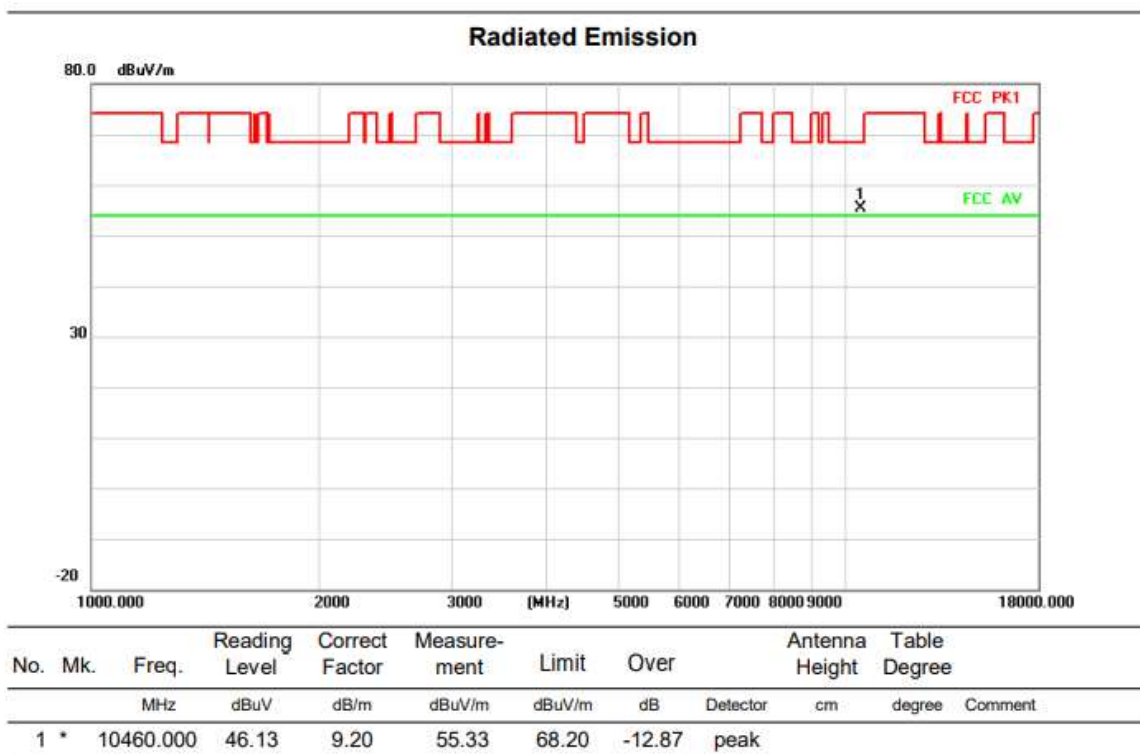
Test mode: 11AC40MIMO

Test Channel:46

### VERTICAL



### HORIZONTAL

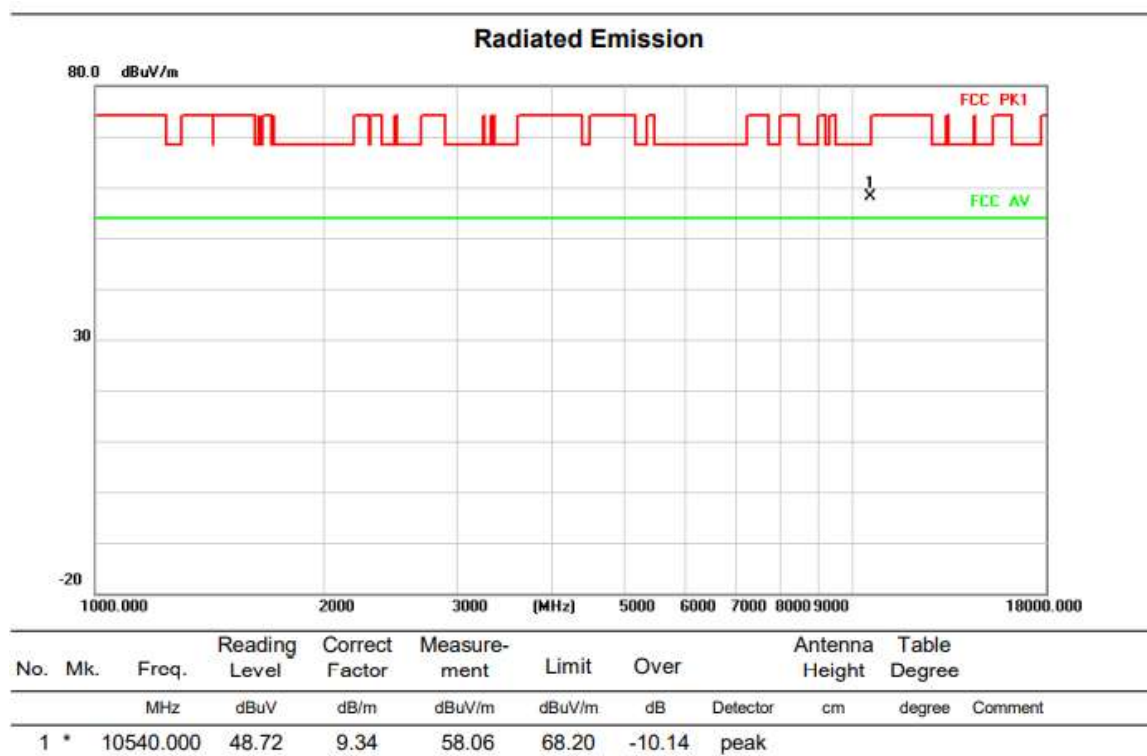


Above 1G (1GHz~18GHz)

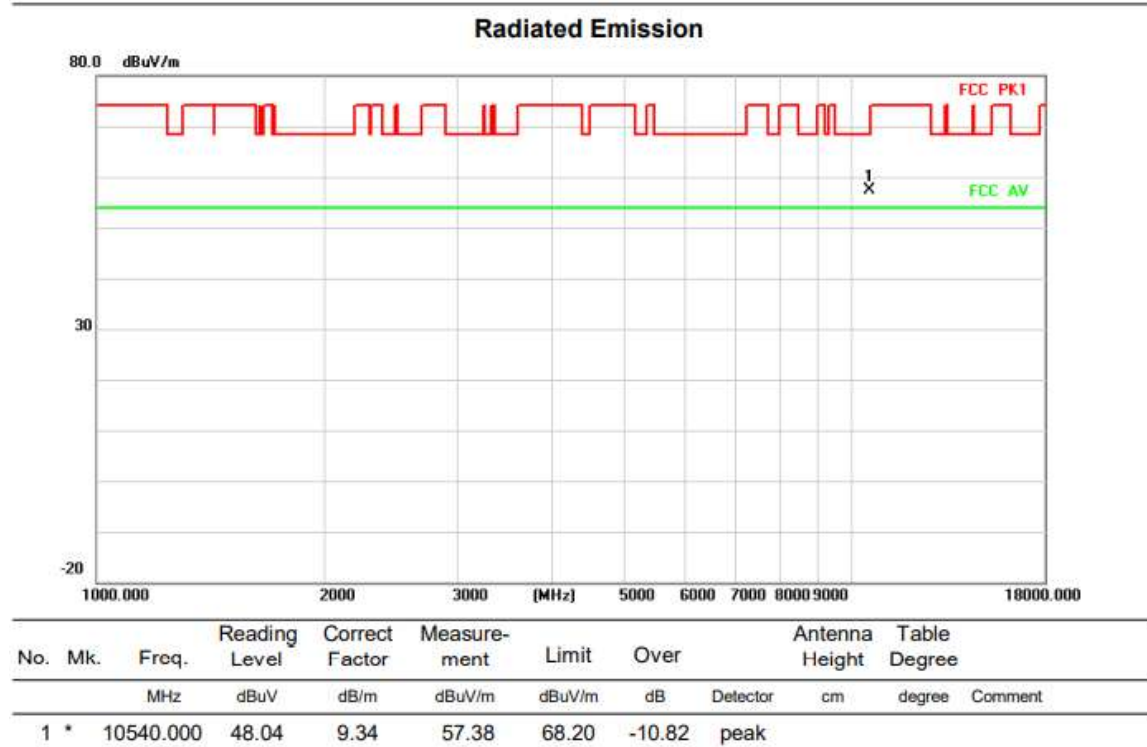
Test mode: 11AC40MIMO

Test Channel:54

### VERTICAL



### HORIZONTAL



Above 1G (1GHz~18GHz)

Test mode: 11AC40MIMO

Test Channel:62

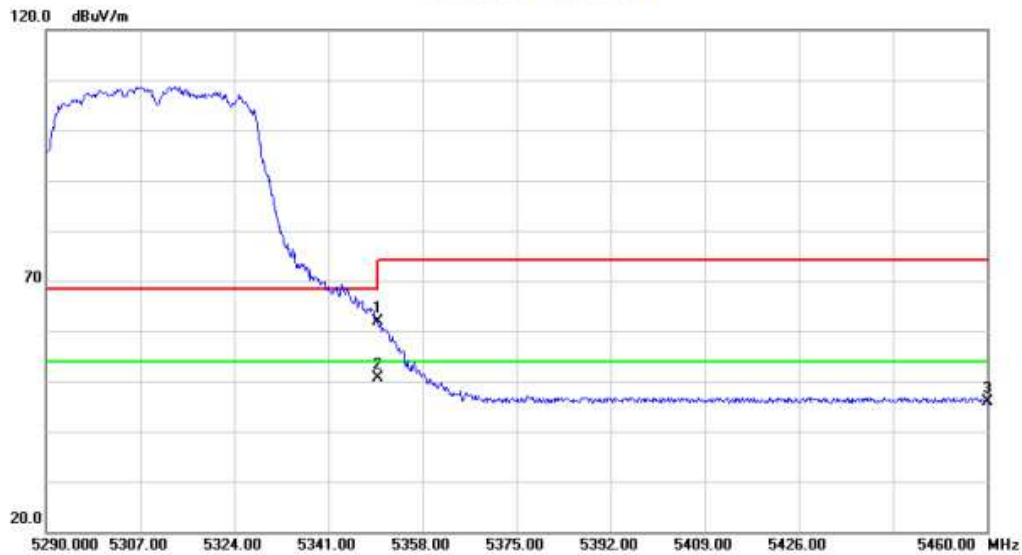
### VERTICAL

#### Radiated Emission



| No. | Mk. | Freq.     | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |        |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|--------|
|     |     | MHz       | dBuV          | dB/m           | dBuV/m      | dBuV/m | dB     | Detector       | cm           | degree |
| 1   |     | 10620.000 | 48.59         | 9.48           | 58.07       | 74.00  | -15.93 | peak           |              |        |
| 2 * |     | 10620.000 | 38.29         | 9.48           | 47.77       | 54.00  | -6.23  | AVG            |              |        |

#### Radiated Emission



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |        |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------------|--------------|--------|
|     |     | MHz      | dBuV          | dB/m           | dBuV/m      | dBuV/m | dB     | Detector       | cm           | degree |
| 1   |     | 5350.000 | 64.64         | -2.78          | 61.86       | 68.20  | -6.34  | peak           |              |        |
| 2 * |     | 5350.000 | 53.33         | -2.78          | 50.55       | 54.00  | -3.45  | AVG            |              |        |
| 3   |     | 5460.000 | 48.58         | -2.67          | 45.91       | 68.20  | -22.29 | peak           |              |        |

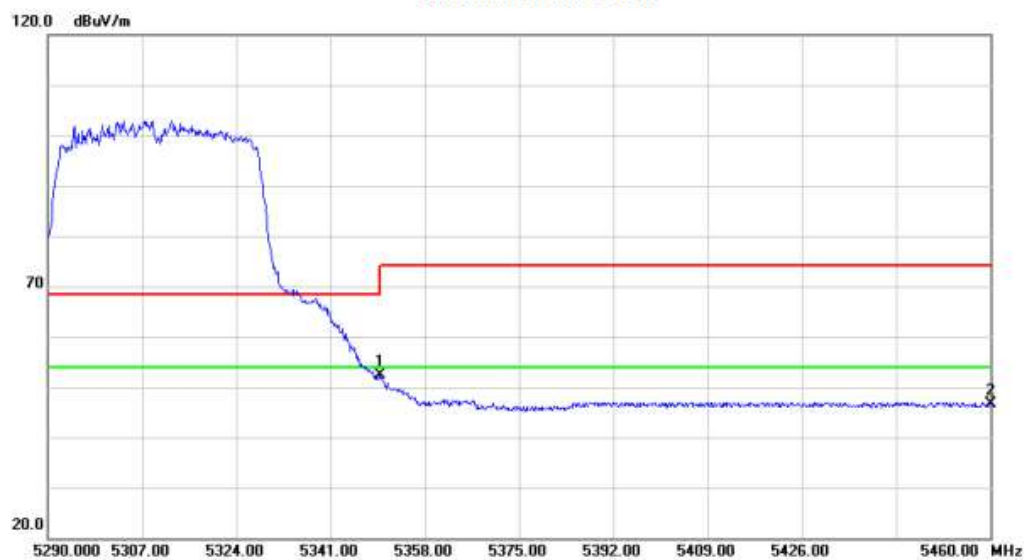
## HORIZONTALA

## Radiated Emission



| No. | Mk. | Freq.     | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |        |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|--------|
|     |     | MHz       | dBuV          | dB/m           | dBuV/m      | dBuV/m | dB     | Detector       | cm           | degree |
| 1   |     | 10620.000 | 47.47         | 9.48           | 56.95       | 74.00  | -17.05 | peak           |              |        |
| 2 * |     | 10620.000 | 36.93         | 9.48           | 46.41       | 54.00  | -7.59  | AVG            |              |        |

## Radiated Emission



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |        |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------------|--------------|--------|
|     |     | MHz      | dBuV          | dB/m           | dBuV/m      | dBuV/m | dB     | Detector       | cm           | degree |
| 1 * |     | 5350.000 | 55.15         | -2.78          | 52.37       | 68.20  | -15.83 | peak           |              |        |
| 2   |     | 5460.000 | 49.41         | -2.67          | 46.74       | 68.20  | -21.46 | peak           |              |        |

Above 1G (1GHz~18GHz)

Test mode: 11AC40MIMO

Test Channel:102

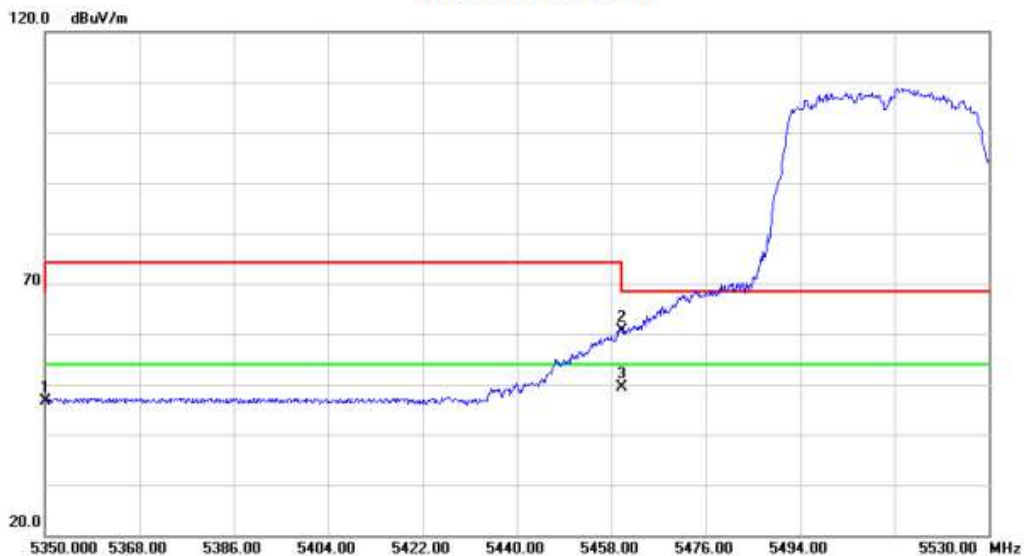
VERTICAL

### Radiated Emission



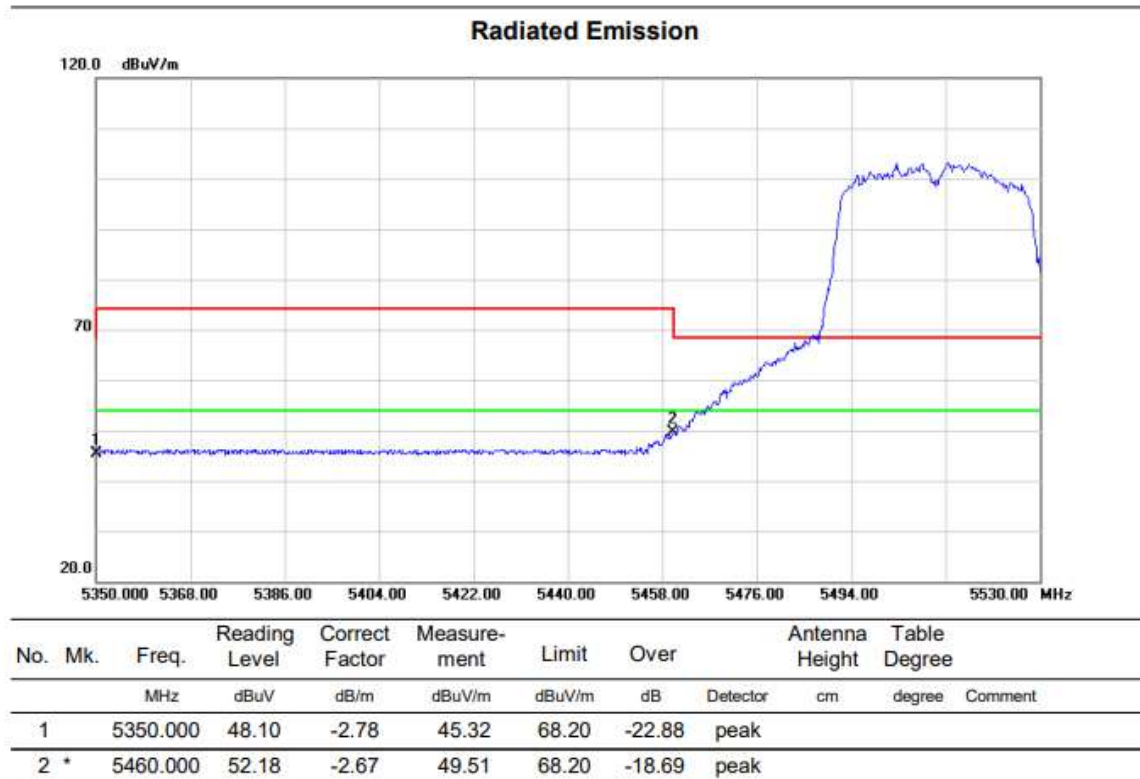
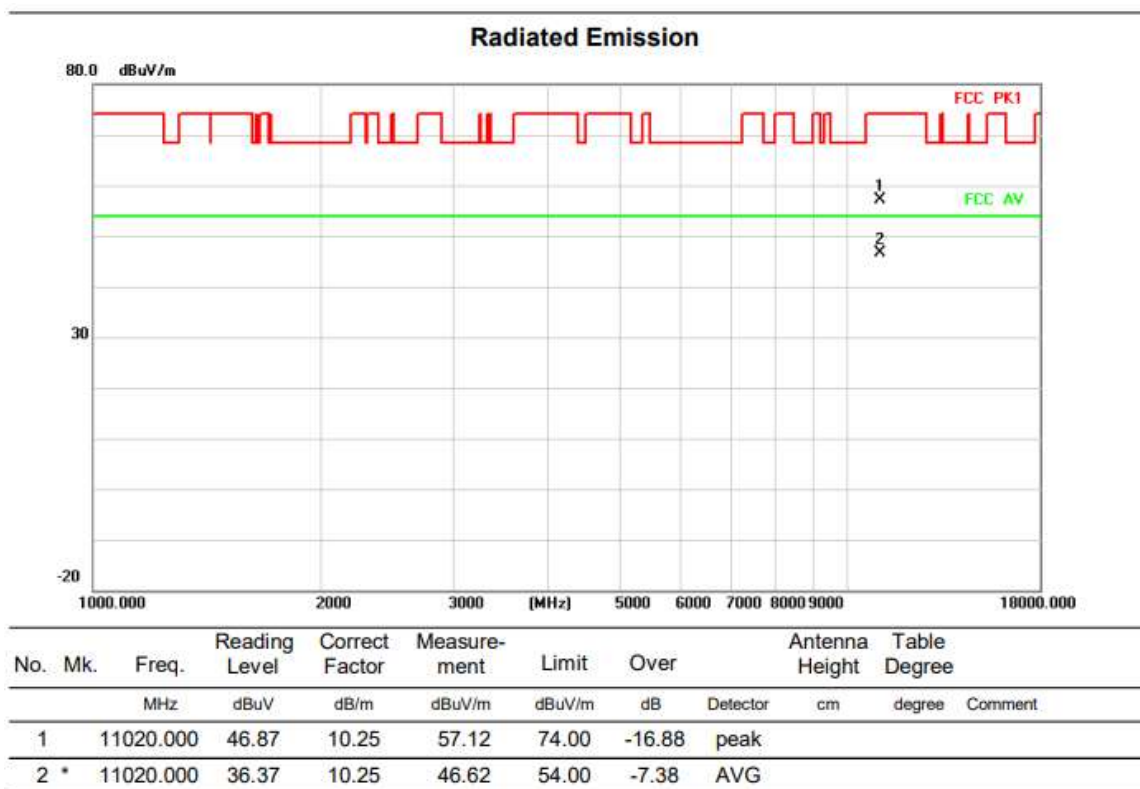
| No. | Mk. | Freq.     | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |         |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
|     |     | MHz       | dBuV          | dB/m           | dBuV/m      | dBuV/m | dB     | cm             | degree       | Comment |
| 1   |     | 11020.000 | 47.71         | 10.25          | 57.96       | 74.00  | -16.04 | peak           |              |         |
| 2 * |     | 11020.000 | 36.90         | 10.25          | 47.15       | 54.00  | -6.85  | AVG            |              |         |

### Radiated Emission



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
|     |     | MHz      | dBuV          | dB/m           | dBuV/m      | dBuV/m | dB     | cm             | degree       | Comment |
| 1   |     | 5350.000 | 49.35         | -2.78          | 46.57       | 68.20  | -21.63 | peak           |              |         |
| 2   |     | 5460.000 | 63.42         | -2.67          | 60.75       | 68.20  | -7.45  | peak           |              |         |
| 3 * |     | 5460.000 | 52.03         | -2.67          | 49.36       | 54.00  | -4.64  | AVG            |              |         |

## HORIZONTALA

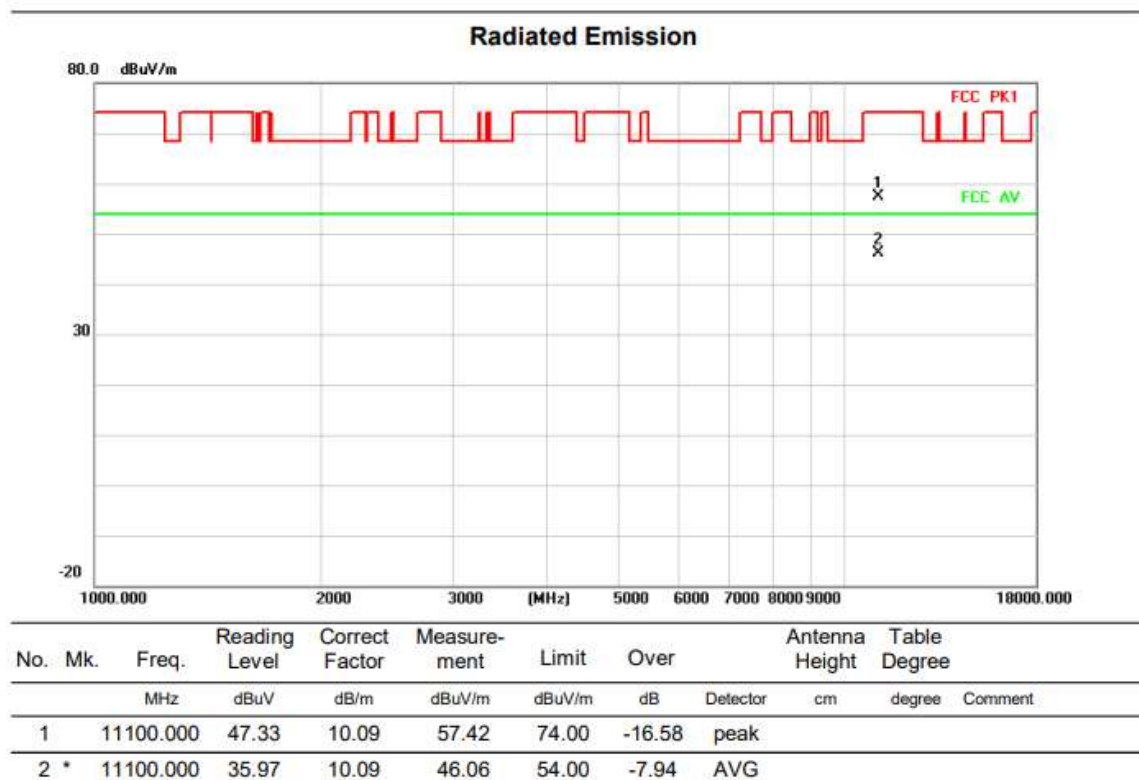


Above 1G (1GHz~18GHz)

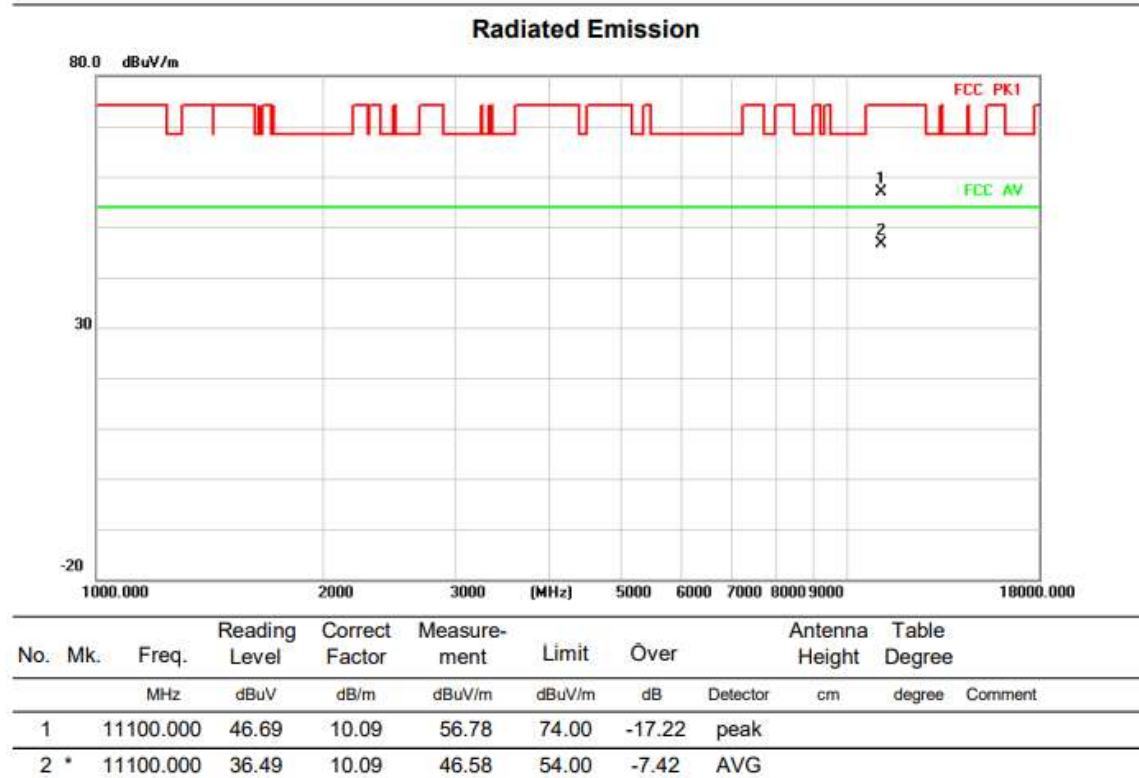
Test mode: 11AC40MIMO

Test Channel:110

### VERTICAL



### HORIZONTAL

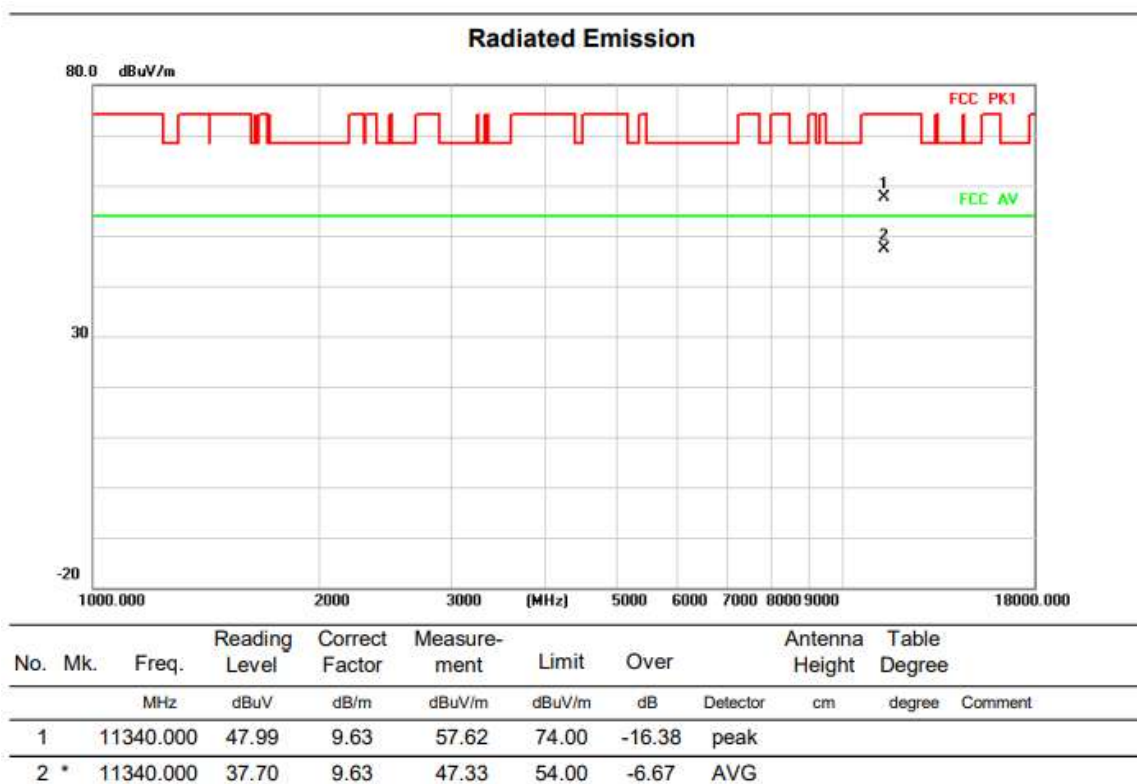


Above 1G (1GHz~18GHz)

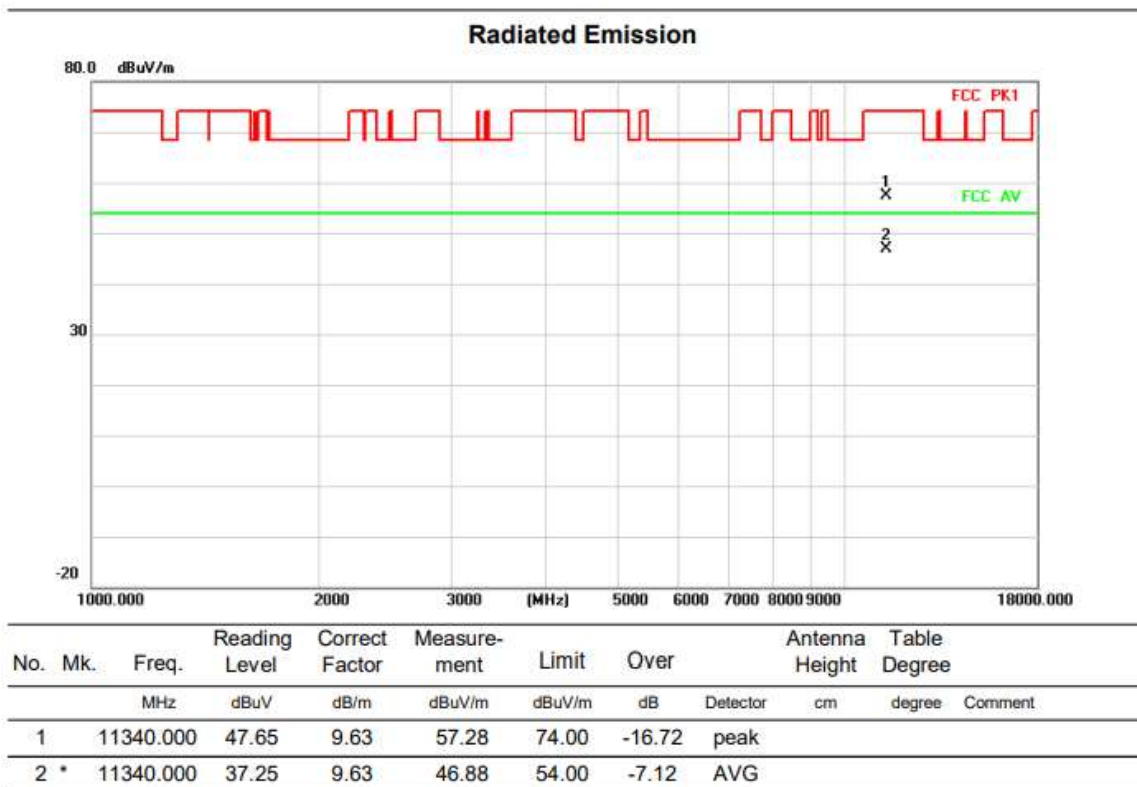
Test mode: 11AC40MIMO

Test Channel:134

### VERTICAL



### HORIZONTAL



Above 1G (1GHz~18GHz)

Test mode: 11AC40MIMO

Test Channel:151

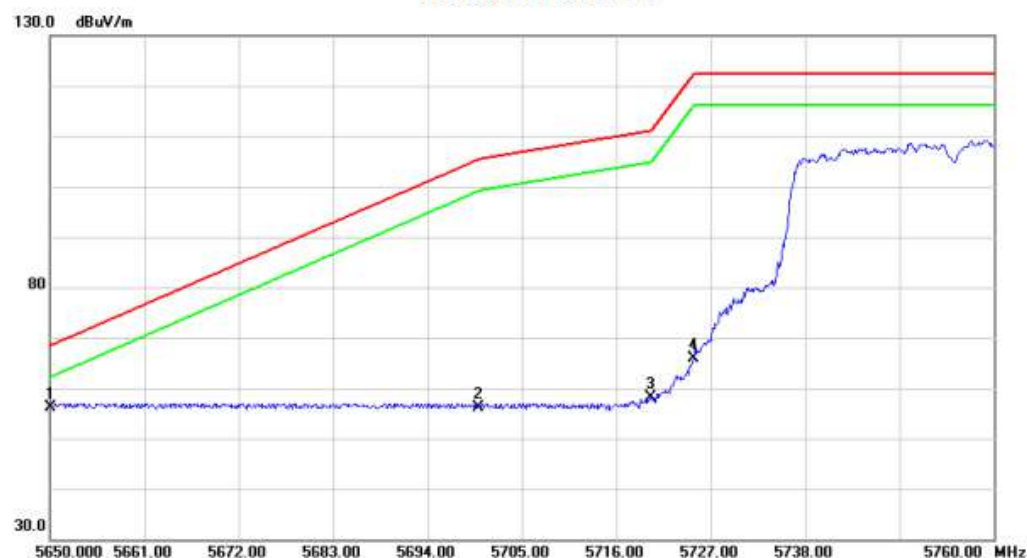
VERTICAL

### Radiated Emission



| No. | Mk. | Freq.     | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |         |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
|     |     | MHz       | dBuV          | dB/m           | dBuV/m      | dBuV/m | dB     | cm             | degree       | Comment |
| 1   |     | 11510.000 | 46.76         | 9.83           | 56.59       | 74.00  | -17.41 | peak           |              |         |
| 2 * |     | 11510.000 | 36.16         | 9.83           | 45.99       | 54.00  | -8.01  | AVG            |              |         |

### Radiated Emission



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
|     |     | MHz      | dBuV          | dB/m           | dBuV/m      | dBuV/m | dB     | cm             | degree       | Comment |
| 1 * |     | 5650.000 | 58.27         | -2.09          | 56.18       | 68.20  | -12.02 | peak           |              |         |
| 2   |     | 5700.000 | 58.36         | -2.19          | 56.17       | 105.20 | -49.03 | peak           |              |         |
| 3   |     | 5720.000 | 60.31         | -2.23          | 58.08       | 110.80 | -52.72 | peak           |              |         |
| 4   |     | 5725.000 | 68.00         | -2.24          | 65.76       | 122.20 | -56.44 | peak           |              |         |

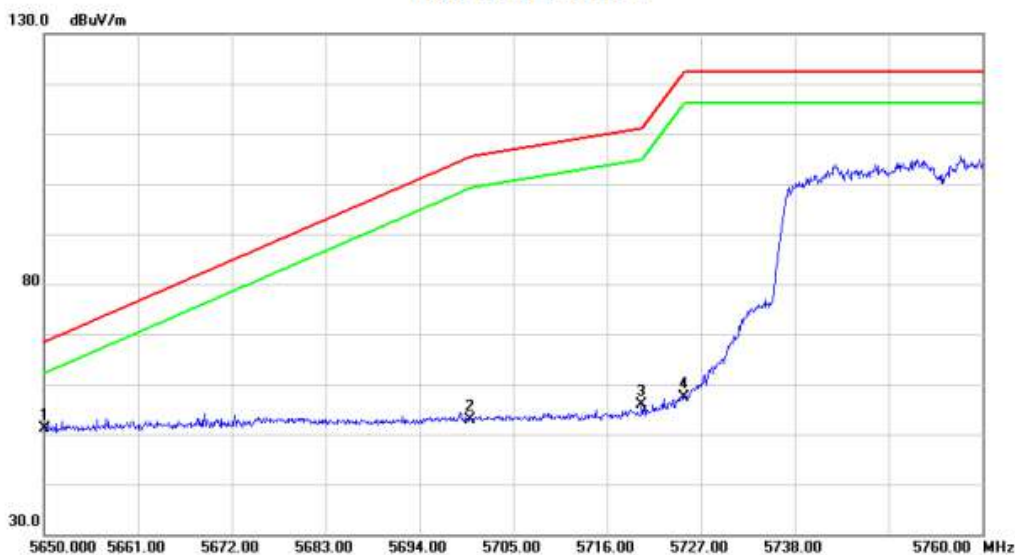
## HORIZONTALA

## Radiated Emission



| No. | Mk. | Freq.     | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |         |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
|     |     | MHz       | dBuV          | dB/m           | dBuV/m      | dBuV/m | dB     | cm             | degree       | Comment |
| 1   |     | 11510.000 | 47.31         | 9.83           | 57.14       | 74.00  | -16.86 | peak           |              |         |
| 2   | *   | 11510.000 | 36.94         | 9.83           | 46.77       | 54.00  | -7.23  | AVG            |              |         |

## Radiated Emission



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
|     |     | MHz      | dBuV          | dB/m           | dBuV/m      | dBuV/m | dB     | cm             | degree       | Comment |
| 1   | *   | 5650.000 | 53.14         | -2.09          | 51.05       | 68.20  | -17.15 | peak           |              |         |
| 2   |     | 5700.000 | 54.99         | -2.19          | 52.80       | 105.20 | -52.40 | peak           |              |         |
| 3   |     | 5720.000 | 58.08         | -2.23          | 55.85       | 110.80 | -54.95 | peak           |              |         |
| 4   |     | 5725.000 | 59.71         | -2.24          | 57.47       | 122.20 | -64.73 | peak           |              |         |

Above 1G (1GHz~18GHz)

Test mode: 11AC40MIMO

Test Channel:159

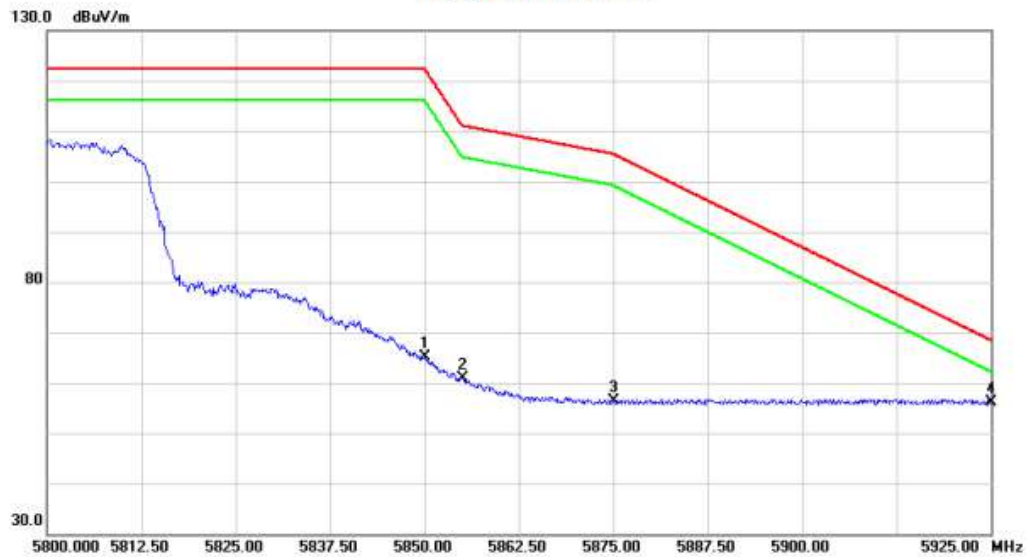
VERTICAL

### Radiated Emission



| No. | Mk. | Freq.     | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |         |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
|     |     | MHz       | dBuV          | dB/m           | dBuV/m      | dBuV/m | dB     | cm             | degree       | Comment |
| 1   |     | 11590.000 | 47.04         | 10.06          | 57.10       | 74.00  | -16.90 | peak           |              |         |
| 2 * |     | 11590.000 | 36.96         | 10.06          | 47.02       | 54.00  | -6.98  | AVG            |              |         |

### Radiated Emission



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
|     |     | MHz      | dBuV          | dB/m           | dBuV/m      | dBuV/m | dB     | cm             | degree       | Comment |
| 1   |     | 5850.000 | 67.19         | -2.07          | 65.12       | 122.20 | -57.08 | peak           |              |         |
| 2   |     | 5855.000 | 62.83         | -2.04          | 60.79       | 110.80 | -50.01 | peak           |              |         |
| 3   |     | 5875.000 | 58.29         | -1.91          | 56.38       | 105.20 | -48.82 | peak           |              |         |
| 4 * |     | 5925.000 | 57.69         | -1.59          | 56.10       | 68.20  | -12.10 | peak           |              |         |

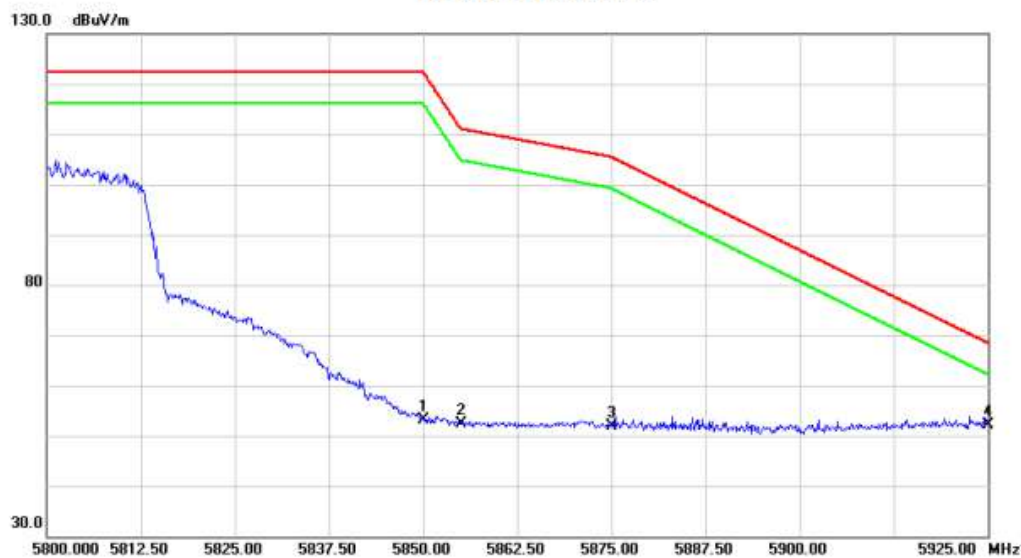
## HORIZONTALA

## Radiated Emission



| No. | Mk. | Freq.     | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |         |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
|     |     | MHz       | dBuV          | dB/m           | dBuV/m      | dBuV/m | dB     | cm             | degree       | Comment |
| 1   |     | 11590.000 | 46.00         | 10.06          | 56.06       | 74.00  | -17.94 | peak           |              |         |
| 2 * |     | 11590.000 | 35.56         | 10.06          | 45.62       | 54.00  | -8.38  | AVG            |              |         |

## Radiated Emission



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
|     |     | MHz      | dBuV          | dB/m           | dBuV/m      | dBuV/m | dB     | cm             | degree       | Comment |
| 1   |     | 5850.000 | 55.18         | -2.07          | 53.11       | 122.20 | -69.09 | peak           |              |         |
| 2   |     | 5855.000 | 54.39         | -2.04          | 52.35       | 110.80 | -58.45 | peak           |              |         |
| 3   |     | 5875.000 | 53.88         | -1.91          | 51.97       | 105.20 | -53.23 | peak           |              |         |
| 4 * |     | 5925.000 | 53.67         | -1.59          | 52.08       | 68.20  | -16.12 | peak           |              |         |

Above 1G (1GHz~18GHz)

Test mode: 11AC80MIMO

Test Channel:42

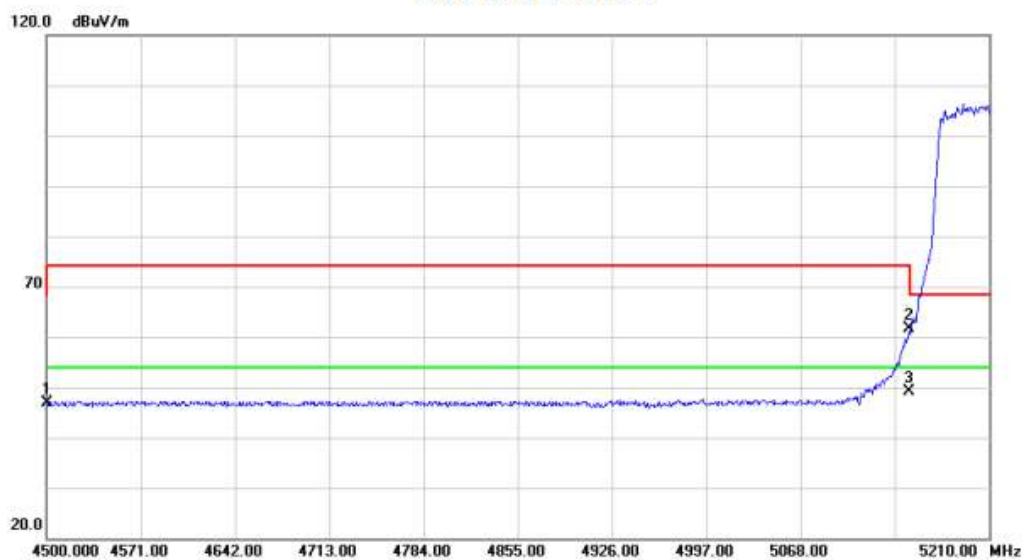
### VERTICAL

#### Radiated Emission



| No. | Mk. | Freq.     | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |         |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
|     |     | MHz       | dBuV          | dB/m           | dBuV/m      | dBuV/m | dB     | Detector       | cm           | degree  |
| 1   | *   | 10420.000 | 48.62         | 9.12           | 57.74       | 68.20  | -10.46 | peak           |              | Comment |

#### Radiated Emission



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
|     |     | MHz      | dBuV          | dB/m           | dBuV/m      | dBuV/m | dB     | Detector       | cm           | degree  |
| 1   |     | 4500.000 | 50.45         | -3.51          | 46.94       | 68.20  | -21.26 | peak           |              | Comment |
| 2   |     | 5150.000 | 63.42         | -1.88          | 61.54       | 68.20  | -6.66  | peak           |              | Comment |
| 3   | *   | 5150.000 | 51.09         | -1.88          | 49.21       | 54.00  | -4.79  | AVG            |              | Comment |

## HORIZONTAL

