# FCC RF Test Report

| | | |
|---|---|---|
| APPLICANT | : | VeriFone, Inc. |
| EQUIPMENT | : | Point of Sale Terminal |
| BRAND NAME | : | Verifone or VERIFONE or verifone |
| MODEL NAME | : | M425-A |
| FCC ID | : | B32M4250A |
| STANDARD | : | FCC Part 15 Subpart C §15.247 |
| CLASSIFICATION | : | (DTS) Digital Transmission System |
| TEST DATE(S) | : | Nov. 17, 2024 |

**We, Sporton International Inc. (Kunshan), would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.**

**The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. (Kunshan), the test report shall not be reproduced except in full.**

Jason Jia

**Approved by: Jason Jia**

ACCREDITED
Cert #5145.02

***Sporton International Inc. (Kunshan)***
***No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300 People's Republic of China***

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# REVISION HISTORY

| REPORT NO. | VERSION | DESCRIPTION | ISSUED DATE |
|---|---|---|---|
| FR481001-01C | Rev. 01 | Initial issue of report | Dec. 11, 2024 |
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# SUMMARY OF TEST RESULT

| Report Section | FCC Rule | Description | Limit | Result | Remark |
|---|---|---|---|---|---|
| 3.1 | 15.247(b) | Power Output Measurement | ≤ 30dBm | Pass | - |
| 3.2 | 15.247(d) | Radiated Band Edges and Radiated Spurious Emission | 15.209(a) & 15.247(d) | Pass | Under limit 5.54 dB at 2389.95 MHz |
| 3.3 | 15.203 & 15.247(b) | Antenna Requirement | 15.203 & 15.247(b) | Pass | - |

**Remark:**

**1.** Not required means after assessing, test items are not necessary to carry out.

**2.** This is a variant report for M425-A, the main difference between Model M450-A and M425-A is as below:

Model M450-A and M425-A are identical, except for enclosure shape, panel size and NFC Antenna. Use same main board, WiFi/BT module, antenna of WiFi/BT and NFC Chip IC.

According to the change, only the related test cases were verified from original report FR481001C.

**Conformity Assessment Condition:**

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacturer who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
2. The measurement uncertainty please refer to each test result in the section “Measurement Uncertainty”

**Disclaimer:**

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.

# 1 General Description

## 1.1 Applicant

**VeriFone, Inc.**
1400 West Stanford Ranch Road Suite 150 Rocklin CA 95765 USA

## 1.2 Manufacturer

**VeriFone, Inc.**
1400 West Stanford Ranch Road Suite 150 Rocklin CA 95765 USA

## 1.3 Product Feature of Equipment Under Test

| Product Feature | |
|---|---|
| **Equipment** | Point of Sale Terminal |
| **Brand Name** | Verifone or VERIFONE or verifone |
| **Model Name** | M425-A |
| **FCC ID** | B32M4250A |
| **SN Code** | 713-002-706 |
| **EUT Stage** | Identical Prototype |

**Remark:** The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.

## 1.4 Product Specification of Equipment Under Test

| Standards-related Product Specification | |
|---|---|
| **Tx/Rx Channel Frequency Range** | 2412 MHz ~ 2462 MHz |
| **Antenna Type / Gain** | IFA Antenna with gain 1.1 dBi |
| **Type of Modulation** | 802.11b : DSSS (DBPSK / DQPSK / CCK)<br>802.11g/n : OFDM (BPSK / QPSK / 16QAM / 64QAM) |

## 1.5 Modification of EUT

No modifications are made to the EUT during all test items.

## 1.6 Testing Location

Sporton International Inc. (Kunshan) is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.02.

| | | | |
|---|---|---|---|
| **Test Firm** | Sporton International Inc. (Kunshan) | | |
| **Test Site Location** | No. 1098, Pengxi North Road, Kunshan Economic Development Zone<br>Jiangsu Province 215300 People's Republic of China<br>TEL : +86-512-57900158 | | |
| **Test Site No.** | **Sporton Site No.** | **FCC Designation No.** | **FCC Test Firm Registration No.** |
| | 03CH06-KS<br>TH01-KS | CN1257 | 314309 |

## 1.7 Test Software

| Item | Site | Manufacturer | Name | Version |
|---|---|---|---|---|
| 1. | TH01-KS | Tonscend | JS1120-3 test system China_210602 | 3.3.10 |
| 2. | 03CH06-KS | AUDIX | E3 | 210616 |

## 1.8 Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- 47 CFR Part 15 Subpart C §15.247
- FCC KDB 558074 D01 15.247 Meas Guidance v05r02
- ANSI C63.10-2013

**Remark:**

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

# 2 Test Configuration of Equipment Under Test

a. The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated:, radiation emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases (Y plane) were recorded in this report.

## 2.1 Carrier Frequency and Channel

| Frequency Band | Channel | Freq. (MHz) | Channel | Freq. (MHz) |
|---|---|---|---|---|
| 2400-2483.5 MHz | 1 | 2412 | 7 | 2442 |
| | 2 | 2417 | 8 | 2447 |
| | 3 | 2422 | 9 | 2452 |
| | 4 | 2427 | 10 | 2457 |
| | 5 | 2432 | 11 | 2462 |
| | 6 | 2437 | - | - |

## 2.2 Test Mode

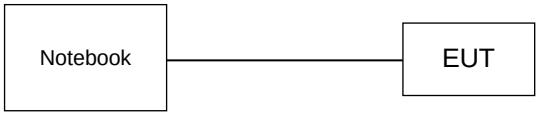
**Final test modes are considering the modulation and worse data rates as below table.**

**SISO Antenna**

| Modulation | Data Rate |
|---|---|
| **802.11g** | **6 Mbps** |

**Remark :** For Radiated Test Cases, The tests were performance with Notebook.

## 2.3 Connection Diagram of Test System




This example is connection diagram of EUT test configurations.

. For detail, please refer to test mode configuration and setup photographs for each test item.

## 2.4 Support Unit used in test configuration and system

| Item | Equipment | Trade Name | Model Name | FCC ID | Data Cable | Power Cord |
|---|---|---|---|---|---|---|
| 1. | Notebook | Lenovo | V130-15IKB005 | N/A | N/A | Shielded cable DC O/P 1.8m , Unshielded AC I/P cable 1.8m |
| 2. | WLAN AP | D-link | DIR-655 | KA21R655B1 | N/A | Unshielded,1.8m |
| 3. | U Disk | SanDisk | SDCZ50-008G | N/A | N/A | N/A |
| 4. | BT Base Station | R&S | CBT | N/A | N/A | Unshielded, 1.8m |
| 5. | SD Card | N/A | N/A | N/A | N/A | N/A |
| 6. | NFC Card | N/A | N/A | N/A | N/A | N/A |
| 7. | MAG Card | N/A | N/A | N/A | N/A | N/A |
| 8. | IC Card | N/A | N/A | N/A | N/A | N/A |

## 2.5 EUT Operation Test Setup

For WLAN RF test items, an engineering test program was provided and enabled to make EUT continuous transmit.

# 3 Test Result

## 3.1 Output Power Measurement

### 3.1.1 Limit of Output Power

For systems using digital modulation in the 2400-2483.5MHz, the limit for peak output power is 30dBm. If transmitting antenna with directional gain greater than 6dBi is used, the peak output power from the intentional radiator shall be reduced below the above stated value by the amount in dB that the directional gain of the antenna exceeds 6 dBi. In case of point-to-point operation, the limit has to be reduced by 1dB for every 3dB that the directional gain of the antenna exceeds 6dBi.

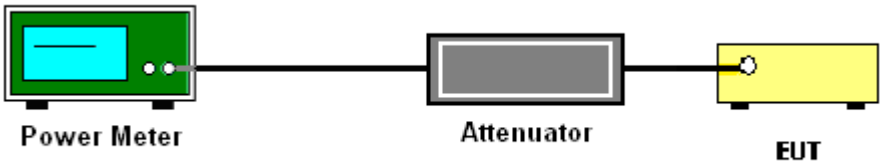
### 3.1.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

### 3.1.3 Test Procedures

1. The testing follows the Measurement Procedure of ANSI C63.10-2013 clause 11.9.1.3 PKPM1 Peak power meter or ANSI C63.10-2013 clause 11.9.2.3.1 Method AVGPM method.
2. The RF output of EUT was connected to the power meter by RF cable and attenuator. The path loss was compensated to the results for each measurement.
3. Set to the maximum power setting and enable the EUT transmit continuously.
4. Measure the conducted output power and record the results in the test report.

### 3.1.4 Test Setup



### 3.1.5 Test Result of Peak Output Power

| 2.4GHz Band Single Antenna | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Mod. | Data Rate | NTX | CH. | Freq. (MHz) | Peak Conducted Power (dBm) | Conducted Power Limit (dBm) | DG (dBi) | EIRP Power (dBm) | EIRP Power Limit (dBm) | Pass /Fail | Power Setting |
| 11b | 1Mbps | 1 | 6 | 2437 | 18.15 | 30.00 | 1.10 | 19.52 | 36.00 | Pass | 17.00 |
| 11g | 6Mbps | 1 | 6 | 2437 | 20.98 | 30.00 | 1.10 | 22.15 | 36.00 | Pass | 17.00 |
| HT20 | MCS0 | 1 | 2 | 2417 | 21.23 | 30.00 | 1.10 | 22.65 | 36.00 | Pass | 17.00 |
| HT40 | MCS0 | 1 | 6 | 2437 | 18.54 | 30.00 | 1.10 | 19.86 | 36.00 | Pass | 14.00 |

## 3.2 Radiated Band Edges and Spurious Emission Measurement

### 3.2.1 Limit of Radiated band edge and Spurious Emission Measurement

In any 100 kHz bandwidth outside the intentional radiator frequency band, all harmonics/spurious must be at least 20 dB below the highest emission level within the authorized band. If the output power of this device was measured by spectrum analyzer, the attenuation under this paragraph shall be 30 dB instead of 20 dB. In addition, radiated emissions which fall in the restricted bands must also comply with the limits as below.

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

### 3.2.2 Measuring Instruments

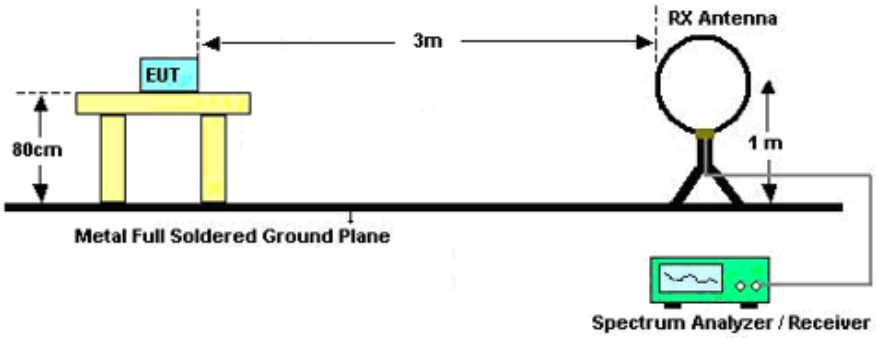
The measuring equipment is listed in the section 4 of this test report.

### 3.2.3 Test Procedures

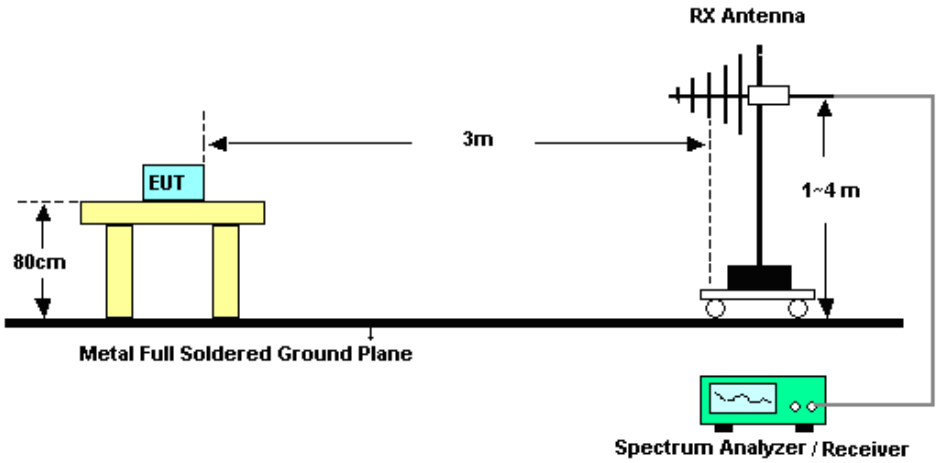
1. The testing follows ANSI C63.10-2013 clause 11.11 & 11.12
2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level.
3. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
5. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level
6. For testing below 1GHz, if the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then peak values of EUT will be reported, otherwise, the emissions will be repeated one by one using the CISPR quasi-peak method and reported.
7. For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than peak limit (that means the emission level in average mode also complies with the limit in average mode), then peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.
8. Use the following spectrum analyzer settings:
   (1) Span shall wide enough to fully capture the emission being measured;
   (2) Set RBW=100 kHz for f < 1 GHz; VBW ≥ RBW; Sweep = auto; Detector function = peak; Trace = max hold;
   (3) Set RBW = 1 MHz, VBW= 3MHz for f ≥ 1 GHz for peak measurement.
   For average measurement:
   - VBW = 10 Hz, when duty cycle is no less than 98 percent.
   - VBW ≥ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.

### 3.2.4 Test Setup

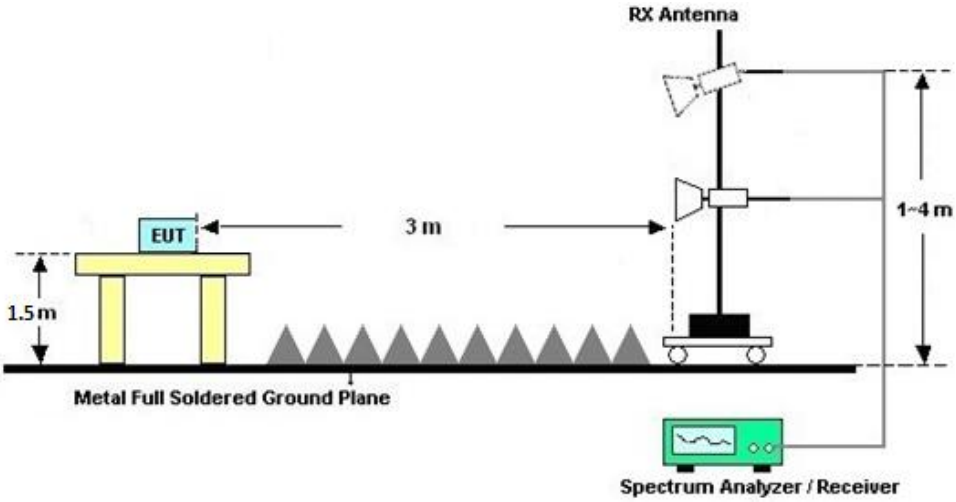
**For radiated emissions below 30MHz**




**For radiated emissions from 30MHz to 1GHz**




**For radiated emissions above 1GHz**



### 3.2.5 Test Results of Radiated Spurious Emissions (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 reported.

There is a comparison data of both open-field test site and semi-Anechoic chamber, and the result came out very similar.

### 3.2.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix A.

### 3.2.7 Duty Cycle

Please refer to Appendix B.

### 3.2.8 Test Result of Radiated Spurious Emission (30MHz ~ 10th Harmonic or 40GHz, whichever is lower)

Please refer to Appendix A.

## 3.3 Antenna Requirements

### 3.3.1 Standard Applicable

If directional gain of transmitting Antennas is greater than 6dBi, the power shall be reduced by the same level in dB comparing to gain minus 6dBi. The use of a permanently attached Antenna or of an Antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the rule.

### 3.3.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

### 3.3.3 Antenna Gain

The antenna peak gain of EUT is less than 6 dBi. Therefore, it is not necessary to reduce maximum peak output power limit.

# 4 List of Measuring Equipment

| Instrument | Manufacturer | Model No. | Serial No. | Characteristics | Calibration Date | Test Date | Due Date | Remark |
|---|---|---|---|---|---|---|---|---|
| Pulse Power Senor | Anritsu | MA2411B | 0917070 | 300MHz~40GHz | Jan. 02, 2024 | Nov. 17, 2024 | Jan. 01, 2025 | Conducted (TH01-KS) |
| Power Meter | Anritsu | ML2495A | 1005002 | 50MHz Bandwidth | Jan. 02, 2024 | Nov. 17, 2024 | Jan. 01, 2025 | Conducted (TH01-KS) |
| EMI Test Receiver | Keysight | N9038A | MY56400023 | 3Hz~8.5GHz;Max 30dBm | Jan. 02, 2024 | Nov. 17, 2024 | Jan. 01, 2025 | Radiation (03CH06-KS) |
| EXA Spectrum Analyzer | Keysight | N9010B | MY57471084 | 10Hz-44GHz | Jul. 04, 2024 | Nov. 17, 2024 | Jul. 03, 2025 | Radiation (03CH06-KS) |
| Loop Antenna | R&S | HFH2-Z2E | 101125 | 9kHz~30MHz | Sep. 08, 2024 | Nov. 17, 2024 | Sep. 07, 2025 | Radiation (03CH06-KS) |
| Bilog Antenna | TeseQ | CBL6111D | 59913 | 30MHz-1GHz | Sep. 03, 2024 | Nov. 17, 2024 | Sep. 02, 2025 | Radiation (03CH06-KS) |
| Double Ridge Horn Antenna | ETS-Lindgren | 3117 | 00218652 | 1GHz~18GHz | Apr. 11, 2024 | Nov. 17, 2024 | Apr. 10, 2025 | Radiation (03CH06-KS) |
| SHF-EHF Horn | Com-power | AH-840 | 101093 | 18GHz~40GHz | Jan. 06, 2024 | Nov. 17, 2024 | Jan. 05, 2025 | Radiation (03CH06-KS) |
| Amplifier | SONOMA | 310N | 372171 | 9KHz ~1GHZ | Jan. 02, 2024 | Nov. 17, 2024 | Jan. 01, 2025 | Radiation (03CH06-KS) |
| Amplifier | EM | EM18G40GA | 060728 | 18~40GHz | Jan. 02, 2024 | Nov. 17, 2024 | Jan. 01, 2025 | Radiation (03CH06-KS) |
| high gain Amplifier | MITEQ | AMF-7D-00101800-30-10P | 2082395 | 1Ghz-18Ghz | Jan. 02, 2024 | Nov. 17, 2024 | Jan. 01, 2025 | Radiation (03CH06-KS) |
| Amplifier | Keysight | 83017A | MY57280119 | 500MHz~26.5GHz | Oct. 09, 2024 | Nov. 17, 2024 | Oct. 08, 2025 | Radiation (03CH06-KS) |
| AC Power Source | Chroma | 61601 | F104090004 | N/A | NCR | Nov. 17, 2024 | NCR | Radiation (03CH06-KS) |
| Turn Table | ChamPro | EM 1000-T | 060762-T | 0~360 degree | NCR | Nov. 17, 2024 | NCR | Radiation (03CH06-KS) |
| Antenna Mast | ChamPro | EM 1000-A | 060762-A | 1 m~4 m | NCR | Nov. 17, 2024 | NCR | Radiation (03CH06-KS) |

NCR: No Calibration Required

# 5 Measurement Uncertainty

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI 63.10-2013. All the measurement uncertainty value were shown with a coverage K=2 to indicate 95% level of confidence. The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be compared directly to specified limit to determine compliance.

**Uncertainty of Conducted Measurement**

| | |
|---|---|
| **Conducted Power** | **±0.50 dB** |

**Uncertainty of Radiated Emission Measurement (9 KHz ~ 30 MHz)**

| | |
|---|---|
| **Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))** | **3.30 dB** |

**Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)**

| | |
|---|---|
| **Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))** | **6.06 dB** |

**Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)**

| | |
|---|---|
| **Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))** | **5.18 dB** |

**Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)**

| | |
|---|---|
| **Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))** | **5.38 dB** |

**---------- THE END ----------**

# Appendix A Radiated Spurious Emission Test Data

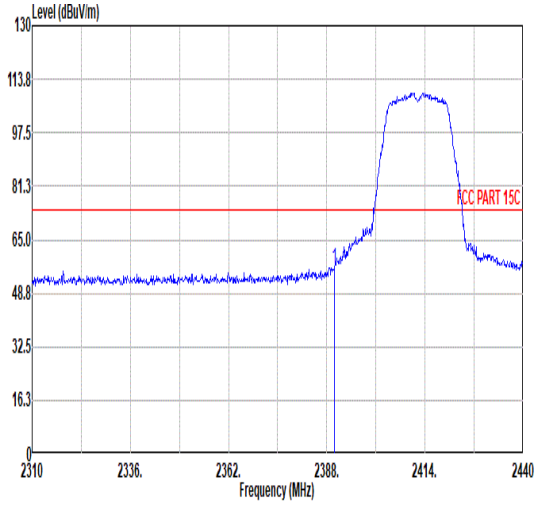
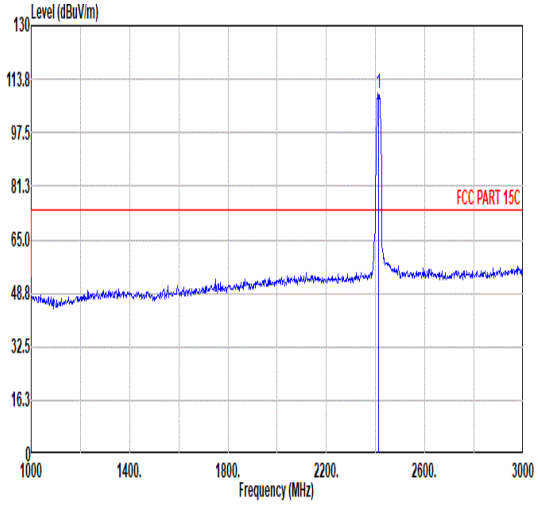
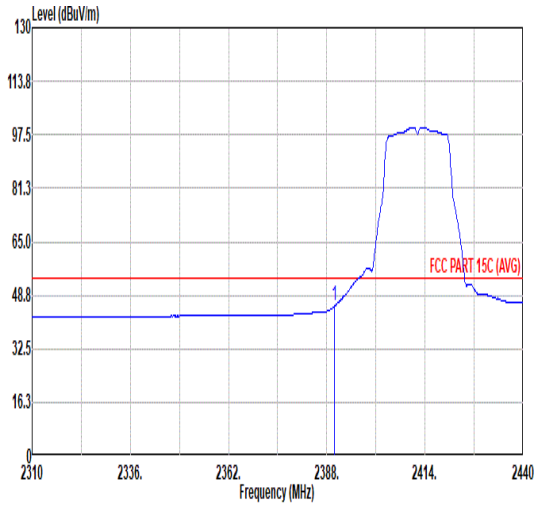
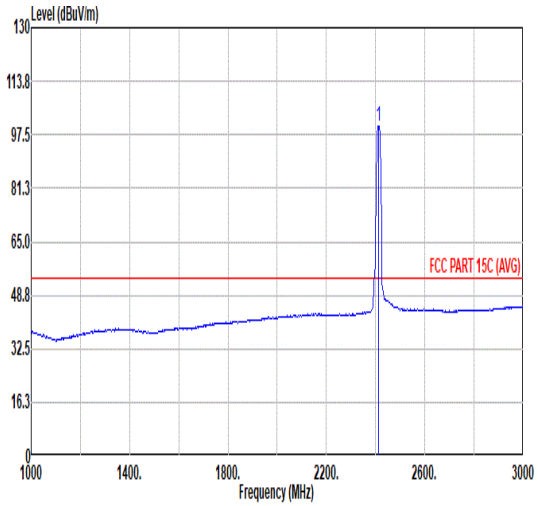
| | | | |
|---|---|---|---|
| **Test Engineer :** | Jerry Xu | **Relative Humidity :** | 41~42% |
| | | **Temperature :** | 22~23℃ |

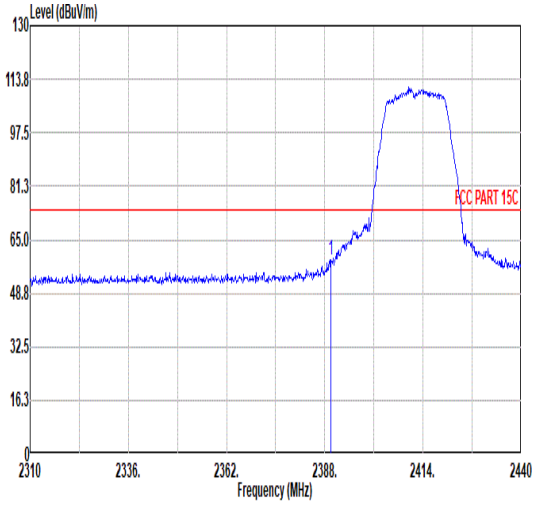
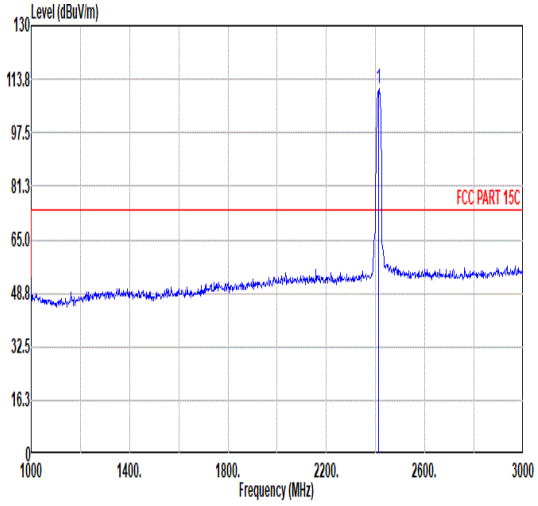
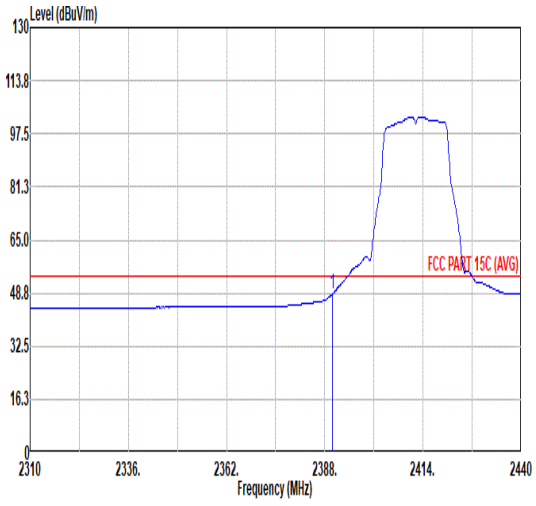
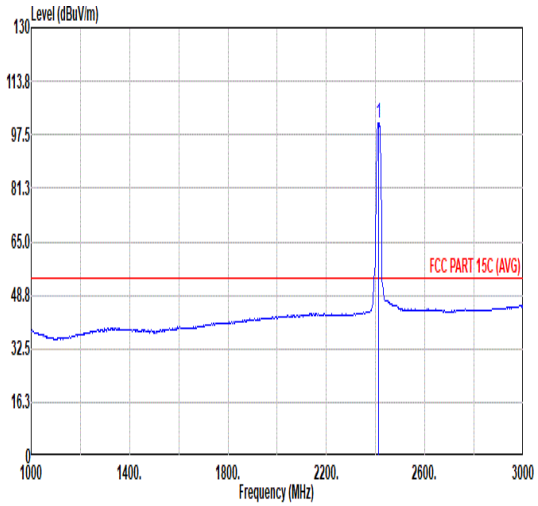
## Radiated Spurious Emission Test Modes

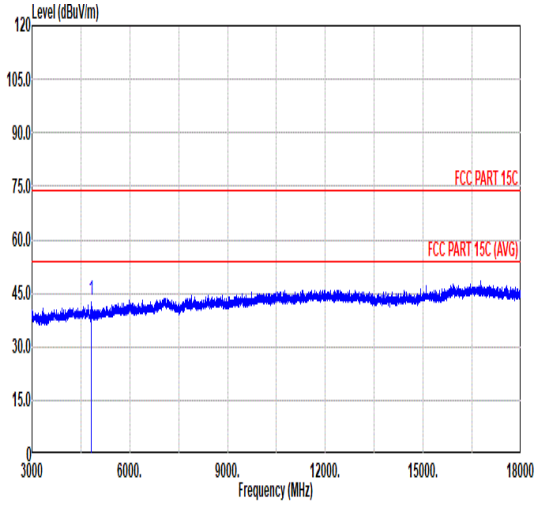
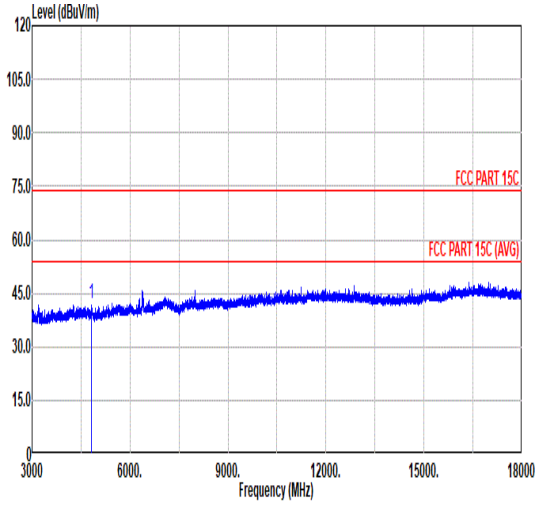
| Mode | Band (MHz) | Modulation | Channel | Frequency | Data Rate | RU | Remark |
|---|---|---|---|---|---|---|---|
| Mode 1 | 2400-2483.5 | 802.11g | 01 | 2412 | 6Mbps | - | - |

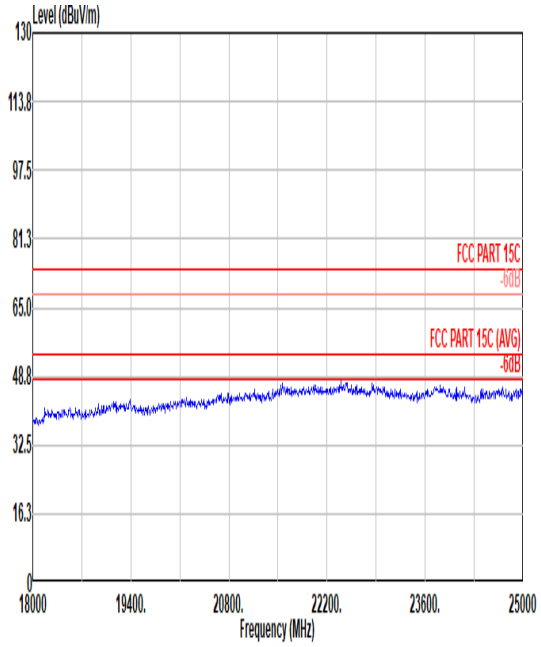
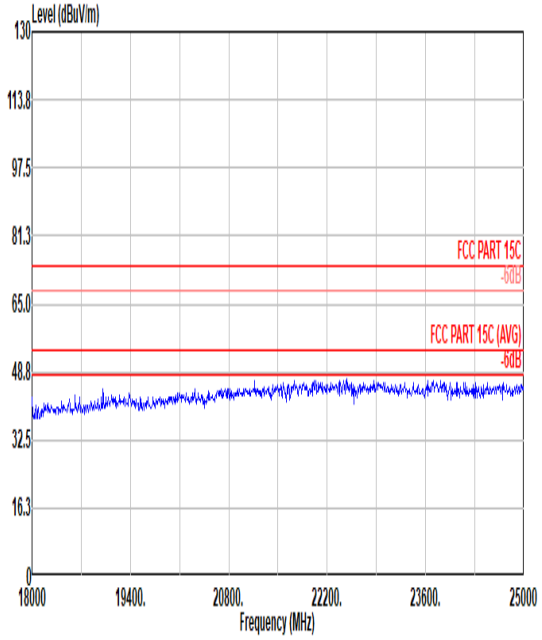
## Summary of each worse mode

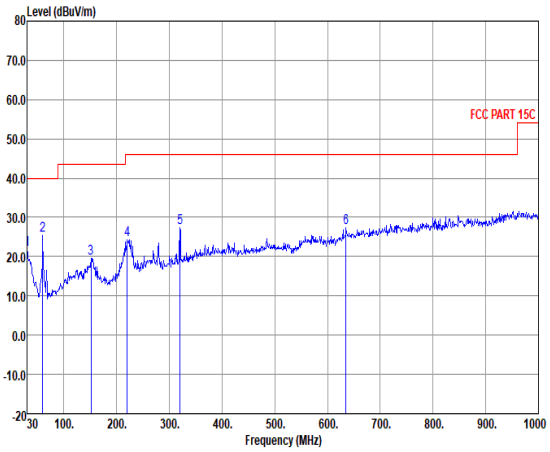
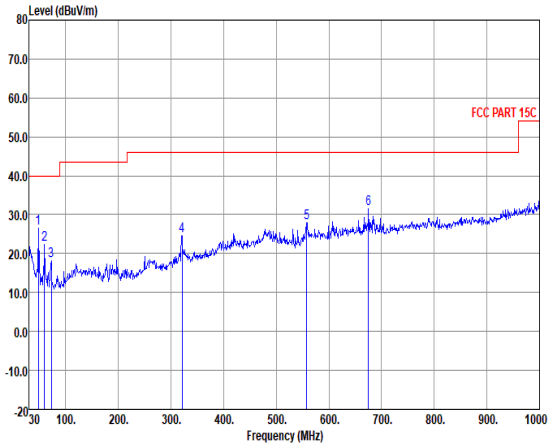
| Mode | Modulation | Ch. | Freq. (MHz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Pol. | Peak Avg. | Result | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 802.11g | 01 | 2389.95 | 48.46 | 54.00 | -5.54 | V | Average | Pass | Band Edge |
| | 802.11g | 01 | 4824.00 | 42.88 | 74.00 | -31.12 | H | PEAK | Pass | Harmonic |

| Mode | 1 | |
|---|---|---|
| | Band Edge | |
| | 2400-2483.5_802.11g_CH01_2412MHz | |
| ANT | - | |
| Pol. | Horizontal | Fundamental |
| Peak |  <br>Freq Level Limit Line Over Limit Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark<br>MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg<br>1 2389.95 56.50 74.00 -17.50 43.60 32.48 6.60 32.18 6.00 292 5 PEAK |  <br>Freq Level Limit Line Over Limit Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark<br>MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg<br>1 2412.00 109.37 ------ ------ 96.37 32.56 6.63 32.19 6.00 292 5 PEAK |
| Avg |  <br>Freq Level Limit Line Over Limit Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark<br>MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg<br>1 2389.95 45.42 54.00 -8.58 32.52 32.48 6.60 32.18 6.00 292 5 AVERAGE |  <br>Freq Level Limit Line Over Limit Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark<br>MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg<br>1 2412.00 100.00 ------ ------ 87.00 32.56 6.63 32.19 6.00 292 5 AVERAGE |

| Mode | 1 | |
|---|---|---|
| | Band Edge | |
| | 2400-2483.5_802.11g_CH01_2412MHz | |
| ANT | - | |
| Pol. | Vertical | Fundamental |
| Peak |  <br>Freq Level Limit Line Over Limit Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark<br>MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg<br>1 2389.69 59.10 74.00 -14.90 46.20 32.48 6.60 32.18 6.00 238 360 PEAK |  <br>Freq Level Limit Line Over Limit Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark<br>MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg<br>1 2412.00 110.71 ------ ------ 97.72 32.54 6.64 32.19 6.00 238 360 PEAK |
| Avg |  <br>Freq Level Limit Line Over Limit Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark<br>MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg<br>1 2389.95 48.46 54.00 -5.54 35.56 32.48 6.60 32.18 6.00 238 360 Average |  <br>Freq Level Limit Line Over Limit Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark<br>MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg<br>1 2412.00 100.91 ------ ------ 87.91 32.56 6.63 32.19 6.00 238 360 AVERAGE |

| Mode | 1 | |
|---|---|---|
| | Harmonic | |
| | 2400-2483.5_802.11g_CH01_2412MHz | |
| ANT | - | |
| Pol. | Horizontal | Vertical |
| Peak<br>Avg |  <br><br>Freq Level Limit Line Over Limit Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark<br>MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg<br>1 4824.00 42.88 74.00 -31.12 60.48 34.20 9.47 61.27 0.00 --- --- PEAK |  <br><br>Freq Level Limit Line Over Limit Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark<br>MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg<br>1 4824.00 41.97 74.00 -32.03 59.57 34.20 9.47 61.27 0.00 --- --- PEAK |

| | | |
|---|---|---|
| Mode | 1 | |
| | 18G-25G | |
| | 2400-2483.5_802.11g_CH01_2412MHz | |
| ANT | - | |
| Pol. | Horizontal | Vertical |
| Peak<br>Avg |  |  |

| Mode | 1 | |
|---|---|---|
| | 30-1G | |
| | 2400-2483.5_802.11g_CH01_2412MHz | |
| ANT | - | |
| Pol. | Horizontal | Vertical |
| Peak |  |  |

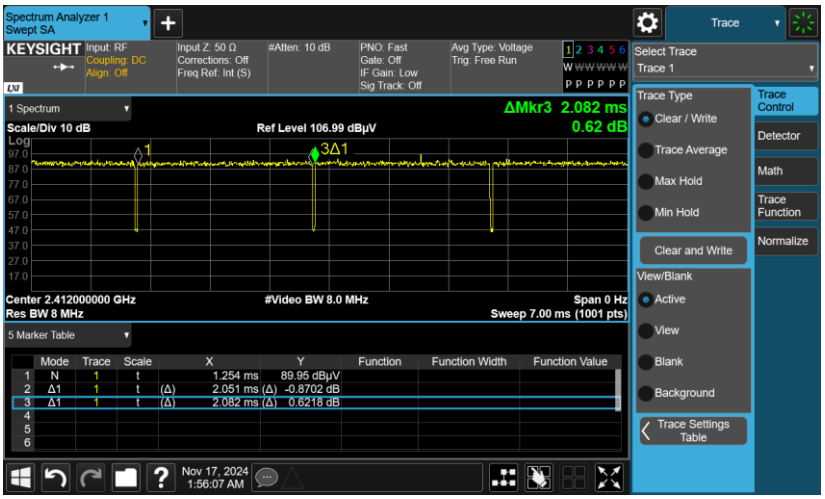


| | Freq | Level | Limit Line | Over Limit | ReadLevel | Antenna Factor | Cable Loss | Preamp Factor | Aux Factor | A/Pos | T/Pos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 30.00 | 21.76 | 40.00 | -18.24 | 28.42 | 25.39 | 0.76 | 32.81 | 0.00 | --- | --- | Peak |
| 2 | 60.07 | 25.35 | 40.00 | -14.65 | 45.10 | 11.90 | 1.07 | 32.72 | 0.00 | --- | --- | Peak |
| 3 | 151.25 | 19.63 | 43.50 | -23.87 | 33.39 | 17.15 | 1.80 | 32.71 | 0.00 | --- | --- | Peak |
| 4 | 220.12 | 24.40 | 46.00 | -21.60 | 39.67 | 15.45 | 2.09 | 32.81 | 0.00 | --- | --- | Peak |
| 5 | 320.03 | 27.24 | 46.00 | -18.76 | 37.84 | 19.61 | 2.63 | 32.84 | 0.00 | --- | --- | Peak |
| 6 | 635.28 | 27.25 | 46.00 | -18.75 | 30.23 | 26.60 | 3.70 | 33.28 | 0.00 | --- | --- | Peak |



| | Freq | Level | Limit Line | Over Limit | ReadLevel | Antenna Factor | Cable Loss | Preamp Factor | Aux Factor | A/Pos | T/Pos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 48.43 | 26.46 | 40.00 | -13.54 | 42.79 | 15.44 | 0.98 | 32.75 | 0.00 | --- | --- | Peak |
| 2 | 60.07 | 22.47 | 40.00 | -17.53 | 42.22 | 11.90 | 1.07 | 32.72 | 0.00 | --- | --- | Peak |
| 3 | 72.68 | 18.16 | 40.00 | -21.84 | 36.79 | 12.89 | 1.20 | 32.72 | 0.00 | --- | --- | Peak |
| 4 | 321.00 | 24.64 | 46.00 | -21.36 | 35.20 | 19.64 | 2.64 | 32.84 | 0.00 | --- | --- | Peak |
| 5 | 557.68 | 27.93 | 46.00 | -18.07 | 31.61 | 26.29 | 3.26 | 33.23 | 0.00 | --- | --- | Peak |
| 6 | 675.05 | 31.66 | 46.00 | -14.34 | 34.32 | 26.75 | 3.84 | 33.25 | 0.00 | --- | --- | Peak |

# Appendix B. Duty Cycle Plots

| Band | Duty Cycle(%) | T(ms) | 1/T(kHz) | VBW Setting |
|---|---|---|---|---|
| 802.11g | 98.51 | - | - | 10Hz |

**802.11g**