

Project No: TM-2602000265P  
Report No.: TMWK2603001433KR

FCC ID: JNZVR0050

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# RADIO TEST REPORT

## FCC 47 CFR PART 15 SUBPART C

|                          |                                                                                                                                                     |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Standard            | FCC Part 15.247                                                                                                                                     |
| Brand Name               | logi, logitech, Logitech                                                                                                                            |
| Product name             | Camera and Speakerphone                                                                                                                             |
| Model No.                | VR0050                                                                                                                                              |
| Test Result              | Pass                                                                                                                                                |
| Statements of Conformity | Determination of compliance is based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty. |

The test Result was tested by Compliance Certification Services Inc. The test data, data evaluation, test procedures, and equipment configurations shown in this report were given in ANSI C63.10-2020 and compliance standards.

The test results of this report relate only to the tested sample (EUT) identified in this report.

The test Report of full or partial shall not copy. Without written approval of Compliance Certification Services Inc.( Wugu Laboratory)

Approved by:



---

Sehni Hu  
Supervisor

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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### **Revision History**

| Rev. | Issue Date    | Revisions     | Effect Page | Revised By   |
|------|---------------|---------------|-------------|--------------|
| 00   | June 10, 2026 | Initial Issue | ALL         | Allison Chen |



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## 1. GENERAL INFORMATION

### 1.1 EUT INFORMATION

|                          |                                                                                                                        |
|--------------------------|------------------------------------------------------------------------------------------------------------------------|
| <b>Applicant</b>         | Logitech Far East Ltd.<br>#2 Creation Rd. 4, Science-Based Ind. Park Hsinchu Taiwan                                    |
| <b>Manufacturer</b>      | Logitech Europe S.A.<br>EPFL – Quartier de l’Innovation Daniel Borel Innovation Center,1015<br>Lausanne, Switzerland.  |
| <b>Equipment</b>         | Camera and Speakerphone                                                                                                |
| <b>Model No.</b>         | VR0050                                                                                                                 |
| <b>Model Discrepancy</b> | N/A                                                                                                                    |
| <b>Trade Name</b>        | logi, logitech, Logitech                                                                                               |
| <b>Received Date</b>     | February 12, 2026                                                                                                      |
| <b>Date of Test</b>      | April 29 ~ June 01, 2026                                                                                               |
| <b>Power Operation</b>   | Power from Adapter.<br>Brand / Model: logi / HA-1151-19<br>I/P: 100-240Vac, 2.0A, 50-60Hz<br>O/P: 19.5Vdc, 7.7A 150.0W |
| <b>HW Version</b>        | PB2-2                                                                                                                  |
| <b>SW Version</b>        | 920.72                                                                                                                 |

**Remark:**

1. For more details, please refer to the User’s manual of the EUT.
2. Disclaimer: Antenna information is provided by the applicant, test results of this report are applicable to the sample EUT received.

## 1.2 EUT CHANNEL INFORMATION

|                          |                                                                                                                                                               |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Frequency Range</b>   | 802.11b/g/n HT20/ax HE20: 2412MHz ~ 2462MHz                                                                                                                   |
| <b>Modulation Type</b>   | 1. IEEE 802.11b mode: CCK<br>2. IEEE 802.11g mode: OFDM<br>3. IEEE 802.11n HT20 mode : OFDM<br>4. IEEE 802.11ax HE20 mode : OFDMA                             |
| <b>Number of channel</b> | 1. IEEE 802.11b mode: 11 Channels<br>2. IEEE 802.11g mode: 11 Channels<br>3. IEEE 802.11n HT20 mode : 11 Channels<br>4. IEEE 802.11ax HE20 mode : 11 Channels |

### Remark:

Refer as ANSI C63.10-2020 for test channels.

| Number of frequencies to be tested                   |                       |                                              |
|------------------------------------------------------|-----------------------|----------------------------------------------|
| Frequency range in which device operates             | Number of frequencies | Location in frequency range of operation     |
| <input type="checkbox"/> 1 MHz or less               | 1                     | Middle                                       |
| <input type="checkbox"/> 1 MHz to 10 MHz             | 2                     | 1 near top and 1 near bottom                 |
| <input checked="" type="checkbox"/> More than 10 MHz | 3                     | 1 near top, 1 near middle, and 1 near bottom |

## 1.3 ANTENNA INFORMATION

|                          |                                                                                                                                            |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Antenna Type</b>      | <input type="checkbox"/> PIFA <input checked="" type="checkbox"/> PCB <input type="checkbox"/> Dipole <input type="checkbox"/> FPC Antenna |
| <b>Antenna Gain</b>      | CH0: INPAQ / RFPCA531543IMLB901<br>Gain: 4.03 dBi<br><br>CH1: INPAQ / RFPCA451644IMLB901<br>Gain: 5.37 dBi<br><br>Total Gain: 7.74 dBi     |
| <b>Antenna Connector</b> | IPEX                                                                                                                                       |

### Notes:

1. The antenna(s) of the EUT are permanently attached and there are no provisions for connection to an external antenna. So the EUT complies with the requirements of §15.203.

## 1.4 MEASUREMENT UNCERTAINTY

| PARAMETER                                    | UNCERTAINTY           |
|----------------------------------------------|-----------------------|
| AC Powerline Conducted Emission              | $\pm 2.37\text{dB}$   |
| Channel Bandwidth                            | $\pm 2.85\text{dB}$   |
| RF output power (Spectrum)                   | $\pm 2.74\text{dB}$   |
| RF output power (Power Meter + Power sensor) | $\pm 0.27\text{dB}$   |
| Power Spectral density                       | $\pm 2.74\text{dB}$   |
| Conducted Bandedge                           | $\pm 2.74\text{dB}$   |
| Conducted Spurious Emission                  | $\pm 2.74\text{dB}$   |
| Radiated Emission_9kHz-30MHz                 | $\pm 2.750\text{ dB}$ |
| Radiated Emission_30MHz-200MHz               | $\pm 3.874\text{ dB}$ |
| Radiated Emission_200MHz-1GHz                | $\pm 4.065\text{ dB}$ |
| Radiated Emission_1GHz-6GHz                  | $\pm 5.594\text{ dB}$ |
| Radiated Emission_6GHz-18GHz                 | $\pm 5.556\text{ dB}$ |
| Radiated Emission_18GHz-26GHz                | $\pm 3.165\text{ dB}$ |
| Radiated Emission_26GHz-40GHz                | $\pm 3.216\text{ dB}$ |

**Remark:**

- 1.This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of  $k=2$
2. ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report.

## 1.5 FACILITIES AND TEST LOCATION

All measurement facilities used to collect the measurement data are located at

☒ No.11, Wugong 6th Rd., Wugu Dist., New Taipei City, Taiwan.

CAB identifier: TW1309

| Test site          | Test Engineer       | Remark |
|--------------------|---------------------|--------|
| AC Conduction Room | Ben Yang            | -      |
| Radiation          | Tony Chao, Ben Yang | -      |
| RF Conducted       | David Li            | -      |

**Remark:** The lab has been recognized as the FCC accredited lab. under the KDB 974614 D01 and is listed in the FCC public Access Link (PAL) database, FCC Registration No. :444940, the FCC Designation No.:TW1309

## 1.6 INSTRUMENT CALIBRATION

| Conducted_FCC/NCC (All) |                             |            |               |                  |                 |
|-------------------------|-----------------------------|------------|---------------|------------------|-----------------|
| Name of Equipment       | Manufacturer                | Model      | Serial Number | Calibration Date | Calibration Due |
| EXA Signal Analyzer     | Agilent                     | N9010A     | MY53400256    | 2025-11-26       | 2026-11-25      |
| Power Sensor            | Anritsu                     | MA2411B    | 1911387       | 2025-08-21       | 2026-08-20      |
| Power Sensor            | Anritsu                     | MA2411B    | 1911386       | 2025-07-07       | 2026-07-06      |
| Power Meter             | Anritsu                     | ML2496A    | 2136002       | 2025-07-07       | 2026-07-06      |
| Attenuator              | Marvelous Microwave Inc     | MVE2213-10 | 08            | 2025-11-06       | 2026-11-05      |
| DC Blocks               | Marvelous Microwave         | MVE6411    | MVE-001       | 2025-08-06       | 2026-08-05      |
| Software                | Radio Test Software Ver. 21 |            |               |                  |                 |

| 966A_Radiated       |                 |                    |                         |                  |                 |
|---------------------|-----------------|--------------------|-------------------------|------------------|-----------------|
| Name of Equipment   | Manufacturer    | Model              | Serial Number           | Calibration Date | Calibration Due |
| Signal Analyzer     | Agilent         | N9010A             | MY52220817              | 2026-03-13       | 2027-03-12      |
| Active Loop Antenna | COM-POWER       | AL-130             | 121051                  | 2026-02-04       | 2027-02-03      |
| Thermo-Hygro Meter  | HTC             | HTC-1              | HTC-D06                 | 2025-05-26       | 2026-05-25      |
| Bi-Log Antenna      | Sunol Sciences  | JB3                | A030105&532             | 2025-06-26       | 2026-06-25      |
| Preamplifier        | EMEC            | EM330              | 060609                  | 2026-02-13       | 2027-02-12      |
| Cable               | Huber+Suhner    | 104PEA             | 20995+21000+182330      | 2025-08-06       | 2026-08-05      |
| Horn Antenna        | ETC             | MCTD 1209          | DRH13M02003             | 2025-12-19       | 2026-12-18      |
| Preamplifier        | HP              | 8449B              | 3008A00965              | 2025-12-17       | 2026-12-16      |
| Cable               | EMCI            | EMC101G            | 1508S0193+230205+250412 | 2026-01-14       | 2027-01-13      |
| Site Validation     | CCS             | 966A               | N/A                     | 2025-06-12       | 2026-06-11      |
| High Pass Filters   | Titan Microwave | T04H30001800070S01 | 22011402-4              | 2025-06-03       | 2026-06-02      |
| Pre-Amplifier       | EMC             | EMC184045SE        | 980860                  | 2025-11-19       | 2026-11-18      |
| Horn Antenna        | SCHWARZBECK     | BBHA9170           | 1047                    | 2025-12-09       | 2026-12-08      |
| Turn Table          | CCS             | CC-T-1F            | N/A                     | N.C.R            | N.C.R           |
| Controller          | CCS             | CC-C-1F            | N/A                     | N.C.R            | N.C.R           |
| Antenna Tower       | CCS             | CC-A-1F            | N/A                     | N.C.R            | N.C.R           |
| Software            | e3 V9-210616c   |                    |                         |                  |                 |

### Remark:

- Each piece of equipment is scheduled for calibration once a year.
- N.C.R. = No Calibration Required.



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| AC Mains Conduction |               |                           |               |                  |                 |
|---------------------|---------------|---------------------------|---------------|------------------|-----------------|
| Name of Equipment   | Manufacturer  | Model                     | Serial Number | Calibration Date | Calibration Due |
| EMI Test Receiver   | R&S           | ESCI                      | 100064        | 2025-06-02       | 2026-06-01      |
| LISN                | TESEQ         | LN2-16N                   | 22012         | 2026-02-04       | 2027-02-03      |
| Cable               | Woken         | RFC-SMA-100-NMR-084SFL402 | MFR-2Y194     | 2026-03-20       | 2027-03-19      |
| Software            | e3 V9-210616c |                           |               |                  |                 |

**Remark:**

1. Each piece of equipment is scheduled for calibration once a year.
2. N.C.R. = No Calibration Required.



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## 1.7 SUPPORT AND EUT ACCESSORIES EQUIPMENT

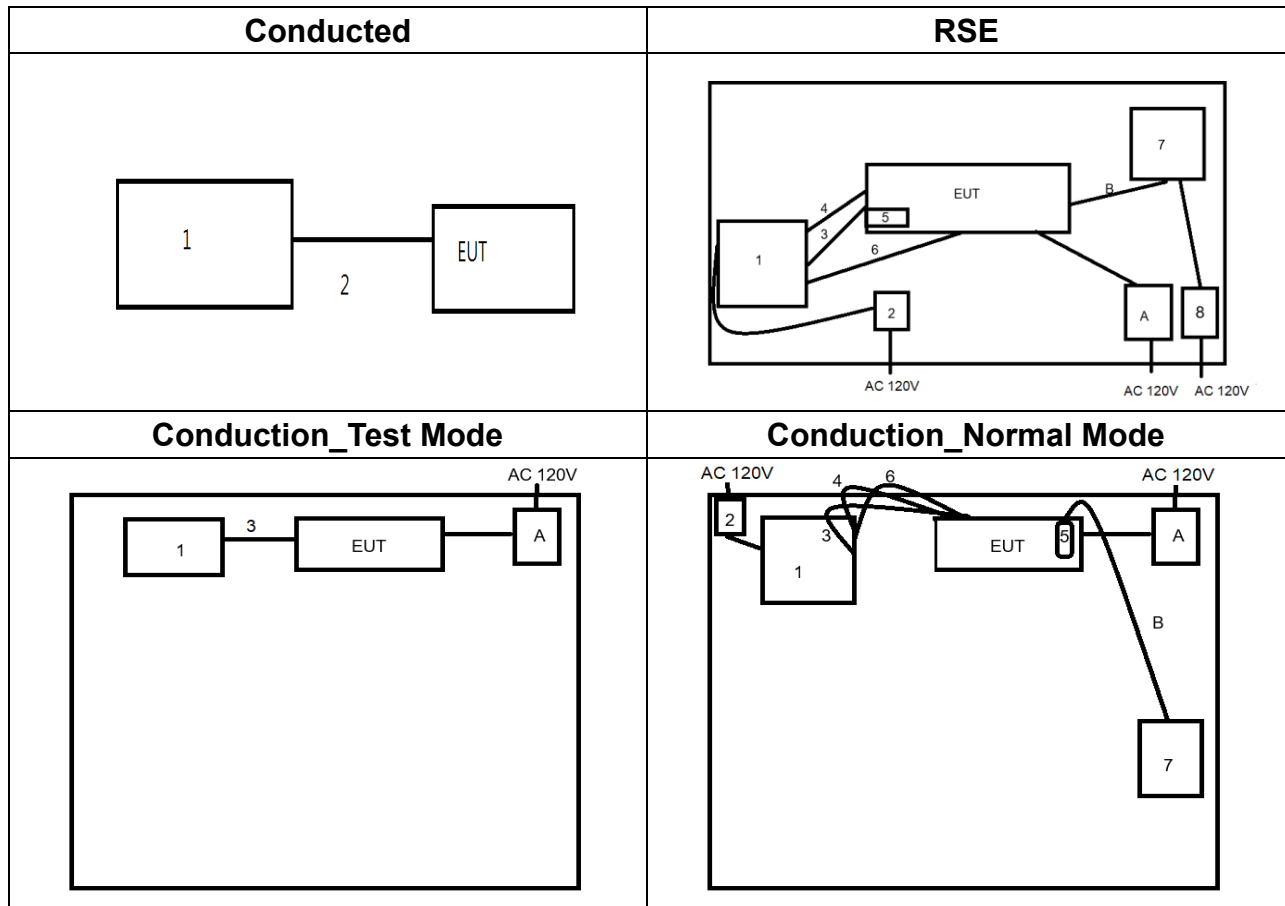
| EUT Accessories Equipment |           |       |       |            |        |
|---------------------------|-----------|-------|-------|------------|--------|
| No.                       | Equipment | Brand | Model | Series No. | FCC ID |
|                           | N/A       |       |       |            |        |

| Support Equipment (Conducted) |              |        |       |            |        |
|-------------------------------|--------------|--------|-------|------------|--------|
| No.                           | Equipment    | Brand  | Model | Series No. | FCC ID |
| 1                             | NB(B)        | Lenovo | T470  | N/A        | N/A    |
| 2                             | Type-C Cable | UGREEN | 50997 | N/A        | N/A    |

| Support Equipment (RSE) |              |         |               |            |        |
|-------------------------|--------------|---------|---------------|------------|--------|
| No.                     | Equipment    | Brand   | Model         | Series No. | FCC ID |
| 1                       | NB           | Lenovo  | ThinkPad X260 | N/A        | N/A    |
| 2                       | Adapter      | Lenovo  | ADLX45DLC3A   | N/A        | N/A    |
| 3                       | Type-C Cable | Xiao mi | SJX10ZM       | N/A        | N/A    |
| 4                       | RJ45         | atake   | AC6-FL10      | N/A        | N/A    |
| 5                       | USB          | ADATA   | C008          | N/A        | N/A    |
| 6                       | HDMI Cable   | PX      | HD2-2XC       | N/A        | N/A    |
| 7                       | Monitor      | Lenovo  | LED HDTV      | N/A        | N/A    |
| 8                       | Adapter      | Lenovo  | 1230          | N/A        | N/A    |
| A                       | Adapter      | logi    | HA-1151-19    | N/A        | N/A    |
| B                       | HDMI Cable   | logi    | N/A           | N/A        | N/A    |

| Support Equipment (Conduction) |              |         |               |            |        |
|--------------------------------|--------------|---------|---------------|------------|--------|
| No.                            | Equipment    | Brand   | Model         | Series No. | FCC ID |
| 1                              | NB           | Lenovo  | ThinkPad X260 | N/A        | N/A    |
| 2                              | Adapter      | Lenovo  | ADLX45DLC3A   | N/A        | N/A    |
| 3                              | Type-C Cable | Xiao mi | SJX10ZM       | N/A        | N/A    |
| 4                              | RJ45         | atake   | AC6-FL10      | N/A        | N/A    |
| 5                              | USB          | ADATA   | C008          | N/A        | N/A    |
| 6                              | HDMI Cable   | PX      | HD2-2XC       | N/A        | N/A    |
| 7                              | Monitor      | Lenovo  | T24I-20       | N/A        | N/A    |
| A                              | Adapter      | logi    | HA-1151-19    | N/A        | N/A    |
| B                              | HDMI Cable   | logi    | N/A           | N/A        | N/A    |

## 1.8 TEST SET UP DIAGRAM



## 1.9 TEST PROGRAM

This EUT use adb tool and set command to set the frequency, modulation and power to allow continuous transmission of the sample.

adb tool: adb v1.0.32

## 1.10 TEST METHODOLOGY AND APPLIED STANDARDS

The test methodology, setups and results comply with all requirements in accordance with ANSI C63.10-2020, FCC Part 2, FCC Part 15.247 and KDB 558074.



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## 2. TEST SUMMARY

| FCC Standard Section           | Report Section | Test Item                   | Result |
|--------------------------------|----------------|-----------------------------|--------|
| 15.203                         | 1.3            | Antenna Requirement         | Pass   |
| 15.207(a)                      | 4.1            | AC Conducted Emission       | Pass   |
| 15.247(a)(2)                   | 4.2            | 6 dB Bandwidth              | Pass   |
| -                              | 4.2            | Occupied Bandwidth (99%)    | Pass   |
| 15.247(b)(3)                   | 4.3            | Output Power Measurement    | Pass   |
| 15.247(e)                      | 4.4            | Power Spectral Density      | Pass   |
| 15.247(d)                      | 4.5            | Conducted Band Edge         | Pass   |
| 15.247(d)                      | 4.5            | Conducted Emission          | Pass   |
| 15.247(d)<br>15.205,<br>15.209 | 4.6            | Radiation Band Edge         | Pass   |
| 15.247(d)<br>15.205,<br>15.209 | 4.6            | Radiation Spurious Emission | Pass   |

### 3. DESCRIPTION OF TEST MODES

#### 3.1 THE WORST MODE OF OPERATING CONDITION

|                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Operation mode</b>           | IEEE 802.11b mode :1Mbps<br>IEEE 802.11g mode :6Mbps<br>IEEE 802.11n HT20 mode: MCS0<br>IEEE 802.11ax HE20 mode: MCS0                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Test Channel Frequencies</b> | <b>IEEE 802.11b mode :</b><br>1. Lowest Channel : 2412MHz<br>2. Middle Channel : 2437MHz<br>3. Highest Channel : 2462MHz<br><b>IEEE 802.11g mode :</b><br>1. Lowest Channel : 2412MHz<br>2. Middle Channel : 2437MHz<br>3. Highest Channel : 2462MHz<br><b>IEEE 802.11n HT20 mode :</b><br>1. Lowest Channel : 2412MHz<br>2. Middle Channel : 2437MHz<br>3. Highest Channel : 2462MHz<br><b>IEEE 802.11ax HE20 mode :</b><br>1. Lowest Channel : 2412MHz<br>2. Middle Channel : 2437MHz<br>3. Highest Channel : 2462MHz |
| <b>Operation Transmitter</b>    | IEEE 802.11b mode :2T2R<br>IEEE 802.11g mode : 2T2R<br>IEEE 802.11n HT20 mode: 2T2R<br>IEEE 802.11ax HE20 mode: 2T2R                                                                                                                                                                                                                                                                                                                                                                                                    |

**Remark:**

1. EUT pre-scanned data rate of output power for each mode, the worst data rate were recorded in this report.

### 3.2 THE WORST MODE OF MEASUREMENT

| AC Power Line Conduction Emission |                                                        |
|-----------------------------------|--------------------------------------------------------|
| Test Condition                    | AC Power line conduction emission for line and neutral |
| Power supply Mode                 | Mode 1: EUT power by Adapter                           |
| Worst Mode                        | <input checked="" type="checkbox"/> Mode 1             |

| Radiated Emission Measurement Above 1G |                                                                                                                                                                                                                                                                                               |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Condition                         | Radiated Emission Above 1G                                                                                                                                                                                                                                                                    |
| Power supply Mode                      | Mode 1: EUT power by Adapter                                                                                                                                                                                                                                                                  |
| Worst Mode                             | <input checked="" type="checkbox"/> Mode 1                                                                                                                                                                                                                                                    |
| Worst Position                         | <input type="checkbox"/> Placed in fixed position.<br><input type="checkbox"/> Placed in fixed position at X-Plane (E2-Plane)<br><input type="checkbox"/> Placed in fixed position at Y-Plane (E1-Plane)<br><input checked="" type="checkbox"/> Placed in fixed position at Z-Plane (H-Plane) |

| Radiated Emission Measurement Below 1G |                                            |
|----------------------------------------|--------------------------------------------|
| Test Condition                         | Radiated Emission Below 1G                 |
| Power supply Mode                      | Mode 1: EUT power by Adapter               |
| Worst Mode                             | <input checked="" type="checkbox"/> Mode 1 |

**Remark:**

1. The worst mode was record in this test report.
2. AC power line conducted emission and for below 1G radiation emission were performed the EUT transmit at the minimum margin for radiated emission(Bandedge & Harmonic) as worse case.
3. EUT pre-scanned in three axis ,X,Y, Z and two polarity, for radiated measurement. The worst case(Z-Plane) were recorded in this report.
4. For Wi-Fi, b/g/n/ax mode supports both SISO and MIMO. Since MIMO power is higher than SISO power, the MIMO mode is worst-cast mode for radiated testing.
5. For 802.11n/ax, Since the modulation characteristics are the similar. as the power level, ax mode is selected as the worst mode for radiated testing.

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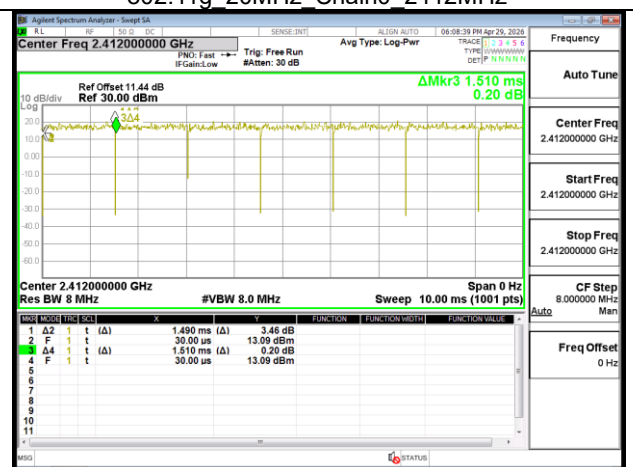
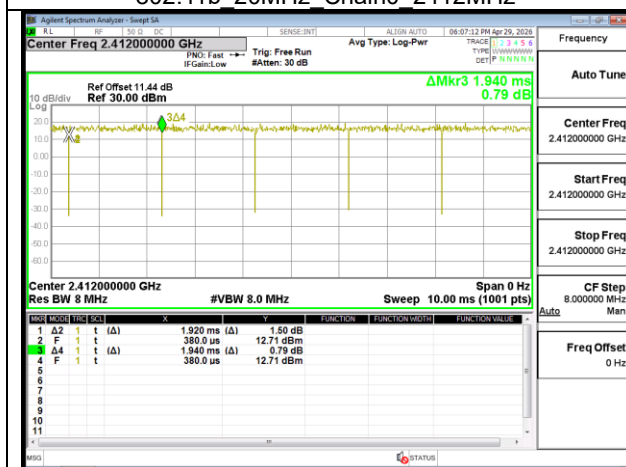
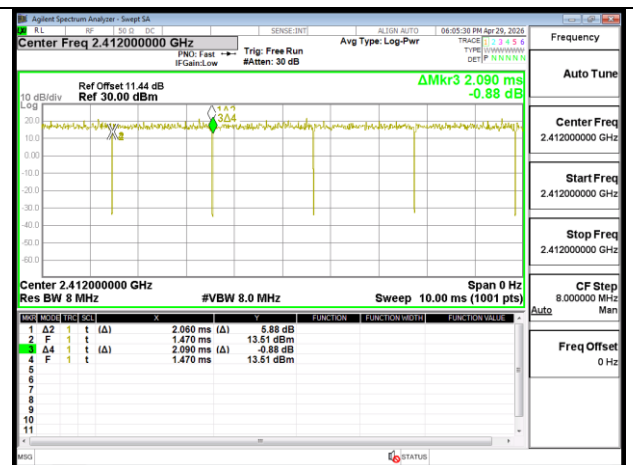
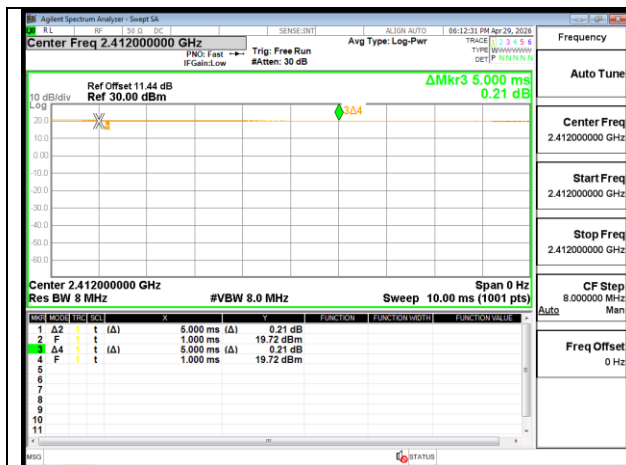
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## 3.3 EUT DUTY CYCLE

Temperature: 24.1~25.4°C  
Humidity: 55~60% RH

Test Date: April 29~May 04, 2026  
Tested by: David Li

| Mode           | Duty Cycle (%)<br>= Ton / (Ton+Toff) | Duty Factor (dB)<br>=10*log ( 1/Duty Cycle ) | 1/T (kHz) | VBW setting<br>(kHz) |
|----------------|--------------------------------------|----------------------------------------------|-----------|----------------------|
| 802.11b        | 100.00                               | 0.00                                         | 0.00      | 0.01                 |
| 802.11g        | 98.56                                | 0.06                                         | 0.49      | 0.01                 |
| 802.11n_20     | 98.97                                | 0.04                                         | 0.52      | 0.01                 |
| 802.11ax_20_SU | 98.68                                | 0.06                                         | 0.67      | 0.01                 |



## 4. TEST RESULT

### 4.1 AC POWER LINE CONDUCTED EMISSION

#### 4.1.1 Test Limit

According to §15.207(a)(2),

| Frequency Range<br>(MHz) | Limits(dBμV) |           |
|--------------------------|--------------|-----------|
|                          | Quasi-peak   | Average   |
| 0.15 to 0.50             | 66 to 56*    | 56 to 46* |
| 0.50 to 5                | 56           | 46        |
| 5 to 30                  | 60           | 50        |

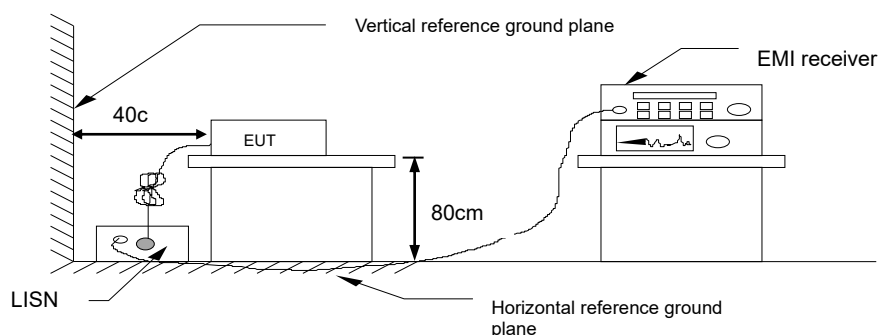
\* Decreases with the logarithm of the frequency.

#### 4.1.2 Test Procedure

Test method Refer as ANSI C63.10-2020,

1. The EUT was placed on a non-conducted table, which is 0.8m above horizontal ground plane and 0.4m above vertical ground plane.
2. EUT connected to the line impedance stabilization network (LISN)
3. Receiver set RBW of 9kHz and Detector Peak, and note as quasi-peak and average.
4. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
5. Recorded Line for Neutral and Line.

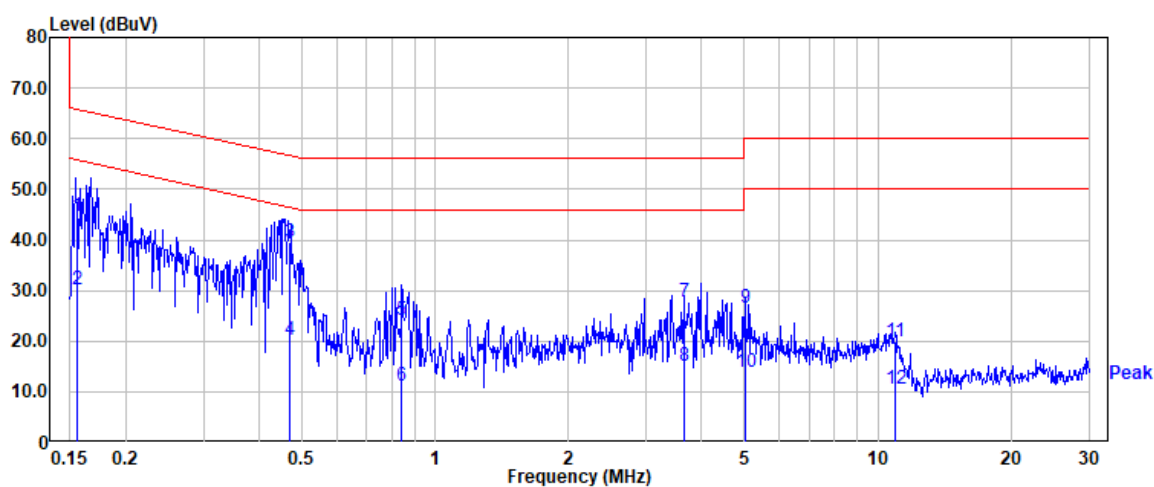
#### 4.1.3 Test Setup



## 4.1.4 Test Result

### Normal Mode

Project No : TM-2602000265P      Test Date : 2026-06-01  
Operation Band : System      Temp./Humi. : 25°C / 65%  
Test Chamber : Conduction      Engineer : Tony.Chao  
Probe : Line      Test Voltage : AC 120V/60Hz  
Note :



| Freq   | Read Level | Factor | Actual FS | Limit | Margin | Detector Mode |
|--------|------------|--------|-----------|-------|--------|---------------|
| -----  | -----      | -----  | -----     | ----- | -----  | -----         |
| MHz    | dBuV       | dB     | dBuV      | dBuV  | dB     | PK/QP/AV      |
| 0.156  | 44.58      | 0.11   | 44.69     | 65.69 | -21.00 | QP            |
| 0.156  | 30.13      | 0.11   | 30.24     | 55.69 | -25.45 | Average       |
| 0.469  | 39.46      | 0.08   | 39.54     | 56.53 | -16.99 | QP            |
| 0.469  | 20.06      | 0.08   | 20.14     | 46.53 | -26.39 | Average       |
| 0.843  | 23.95      | 0.09   | 24.04     | 56.00 | -31.96 | QP            |
| 0.843  | 11.08      | 0.09   | 11.17     | 46.00 | -34.83 | Average       |
| 3.659  | 27.69      | 0.15   | 27.84     | 56.00 | -28.16 | QP            |
| 3.659  | 14.95      | 0.15   | 15.10     | 46.00 | -30.90 | Average       |
| 5.012  | 26.32      | 0.17   | 26.49     | 60.00 | -33.51 | QP            |
| 5.012  | 13.60      | 0.17   | 13.77     | 50.00 | -36.23 | Average       |
| 10.961 | 19.78      | 0.26   | 20.04     | 60.00 | -39.96 | QP            |
| 10.961 | 10.41      | 0.26   | 10.67     | 50.00 | -39.33 | Average       |

Note: 1. Actual FS= Spectrum Read Level + Factor

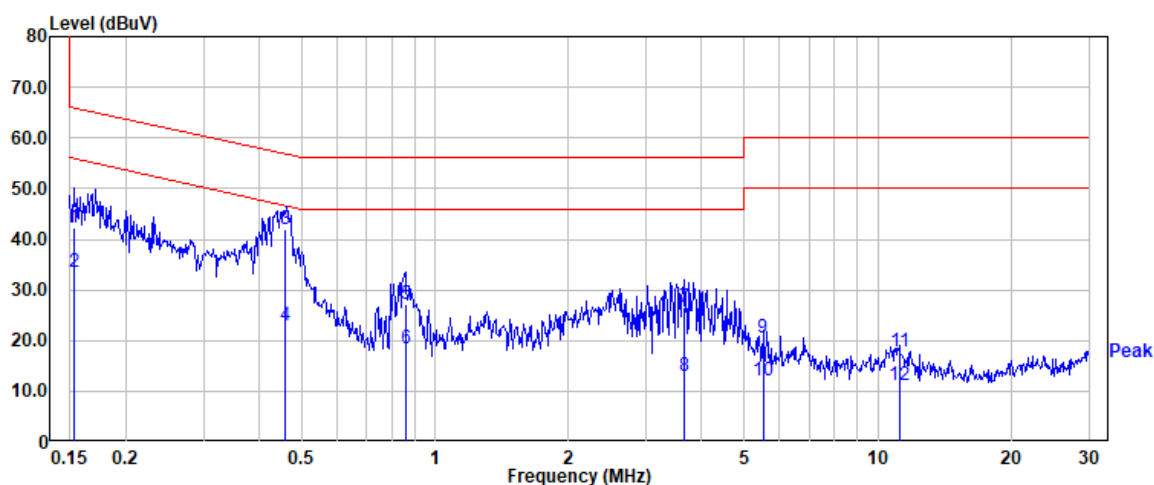
Note: 2. Margin= Actual FS – Limit



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Report No.: TMWK2603001433KR

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Project No : TM-2602000265P  
Operation Band : System  
Test Chamber : Conduction  
Probe : Neutral  
Note :  
Test Date : 2026-06-01  
Temp./Humi. : 25°C / 65%  
Engineer : Tony.Chao  
Test Voltage : AC 120V/60Hz



| Freq   | Read Level | Factor | Actual FS | Limit | Margin | Detector Mode |
|--------|------------|--------|-----------|-------|--------|---------------|
| -----  | -----      | -----  | -----     | ----- | -----  | -----         |
| MHz    | dBuV       | dB     | dBuV      | dBuV  | dB     | PK/QP/AV      |
| 0.154  | 42.10      | 0.12   | 42.22     | 65.79 | -23.57 | QP            |
| 0.154  | 33.35      | 0.12   | 33.47     | 55.79 | -22.32 | Average       |
| 0.458  | 41.88      | 0.10   | 41.98     | 56.72 | -14.74 | QP            |
| 0.458  | 22.89      | 0.10   | 22.99     | 46.72 | -23.73 | Average       |
| 0.862  | 27.06      | 0.11   | 27.17     | 56.00 | -28.83 | QP            |
| 0.862  | 18.31      | 0.11   | 18.42     | 46.00 | -27.58 | Average       |
| 3.644  | 26.48      | 0.17   | 26.65     | 56.00 | -29.35 | QP            |
| 3.644  | 12.87      | 0.17   | 13.04     | 46.00 | -32.96 | Average       |
| 5.510  | 20.49      | 0.19   | 20.68     | 60.00 | -39.32 | QP            |
| 5.510  | 11.89      | 0.19   | 12.08     | 50.00 | -37.92 | Average       |
| 11.182 | 17.60      | 0.26   | 17.86     | 60.00 | -42.14 | QP            |
| 11.182 | 10.90      | 0.26   | 11.16     | 50.00 | -38.84 | Average       |

Note: 1. Actual FS= Spectrum Read Level + Factor

Note: 2. Margin= Actual FS – Limit



Project No: TM-2602000265P  
Report No.: TMWK2603001433KR

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Project No : TM-2602000265P

Operation Band : System

Test Chamber : Conduction

Probe : Line

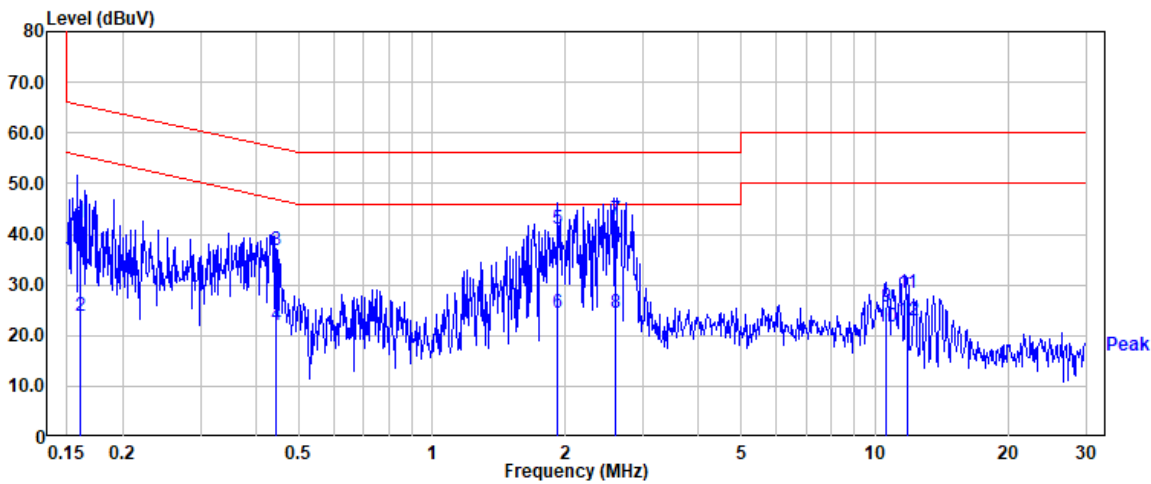
Note :

Test Date : 2026-06-01

Temp./Humi. : 25°C / 65%

Engineer : Tony.Chao

Test Voltage : AC 230V/60Hz



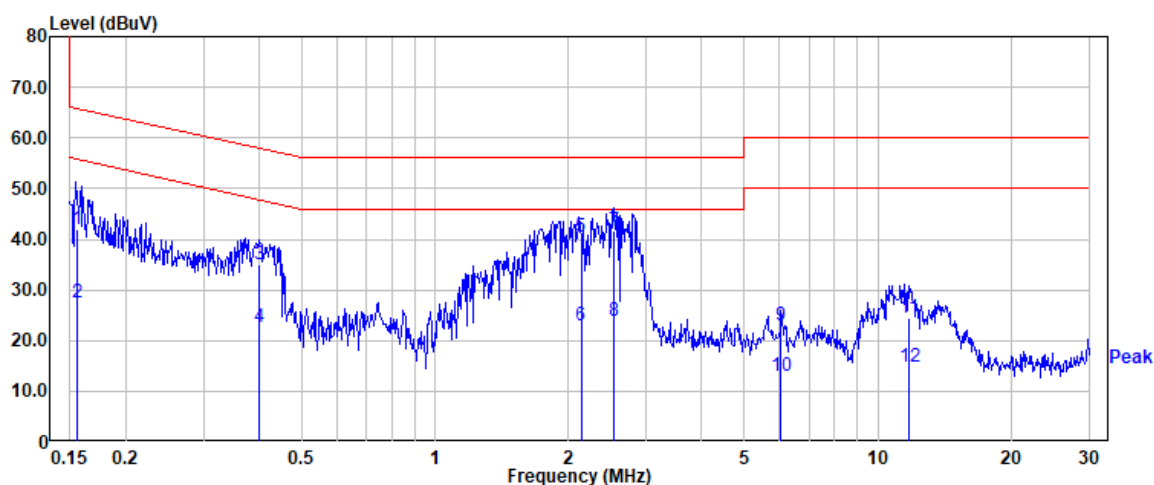
| Freq   | Read Level | Factor | Actual FS | Limit | Margin | Detector Mode |
|--------|------------|--------|-----------|-------|--------|---------------|
| -----  | -----      | -----  | -----     | ----- | -----  | -----         |
| MHz    | dBuV       | dB     | dBuV      | dBuV  | dB     | PK/QP/AV      |
| 0.161  | 42.28      | 0.11   | 42.39     | 65.41 | -23.02 | QP            |
| 0.161  | 23.76      | 0.11   | 23.87     | 55.41 | -31.54 | Average       |
| 0.446  | 36.75      | 0.08   | 36.83     | 56.95 | -20.12 | QP            |
| 0.446  | 21.87      | 0.08   | 21.95     | 46.95 | -25.00 | Average       |
| 1.925  | 40.87      | 0.12   | 40.99     | 56.00 | -15.01 | QP            |
| 1.925  | 24.39      | 0.12   | 24.51     | 46.00 | -21.49 | Average       |
| 2.594  | 42.73      | 0.13   | 42.86     | 56.00 | -13.14 | QP            |
| 2.594  | 24.27      | 0.13   | 24.40     | 46.00 | -21.60 | Average       |
| 10.585 | 25.53      | 0.26   | 25.79     | 60.00 | -34.21 | Peak          |
| 10.585 | 21.56      | 0.26   | 21.82     | 50.00 | -28.18 | Average       |
| 11.826 | 27.97      | 0.27   | 28.24     | 60.00 | -31.76 | QP            |
| 11.826 | 22.57      | 0.27   | 22.84     | 50.00 | -27.16 | Average       |

Note: 1. Actual FS= Spectrum Read Level + Factor  
Note: 2. Margin= Actual FS – Limit

Project No: TM-2602000265P  
Report No.: TMWK2603001433KR

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Project No : TM-2602000265P  
Operation Band : System  
Test Chamber : Conduction  
Probe : Neutral  
Note :  
Test Date : 2026-06-01  
Temp./Humi. : 25°C / 65%  
Engineer : Tony.Chao  
Test Voltage : AC 230V/60Hz



| Freq   | Read Level | Factor | Actual FS | Limit | Margin | Detector Mode |
|--------|------------|--------|-----------|-------|--------|---------------|
| -----  | -----      | -----  | -----     | ----- | -----  | -----         |
| MHz    | dBuV       | dB     | dBuV      | dBuV  | dB     | PK/QP/AV      |
| 0.156  | 41.79      | 0.12   | 41.91     | 65.67 | -23.76 | QP            |
| 0.156  | 27.49      | 0.12   | 27.61     | 55.67 | -28.06 | Average       |
| 0.402  | 34.90      | 0.10   | 35.00     | 57.81 | -22.81 | QP            |
| 0.402  | 22.48      | 0.10   | 22.58     | 47.81 | -25.23 | Average       |
| 2.138  | 40.35      | 0.14   | 40.49     | 56.00 | -15.51 | QP            |
| 2.138  | 22.95      | 0.14   | 23.09     | 46.00 | -22.91 | Average       |
| 2.542  | 41.50      | 0.15   | 41.65     | 56.00 | -14.35 | QP            |
| 2.542  | 23.72      | 0.15   | 23.87     | 46.00 | -22.13 | Average       |
| 6.057  | 22.66      | 0.20   | 22.86     | 60.00 | -37.14 | QP            |
| 6.057  | 12.87      | 0.20   | 13.07     | 50.00 | -36.93 | Average       |
| 11.753 | 24.34      | 0.26   | 24.60     | 60.00 | -35.40 | QP            |
| 11.753 | 14.41      | 0.26   | 14.67     | 50.00 | -35.33 | Average       |

Note: 1. Actual FS= Spectrum Read Level + Factor

Note: 2. Margin= Actual FS – Limit

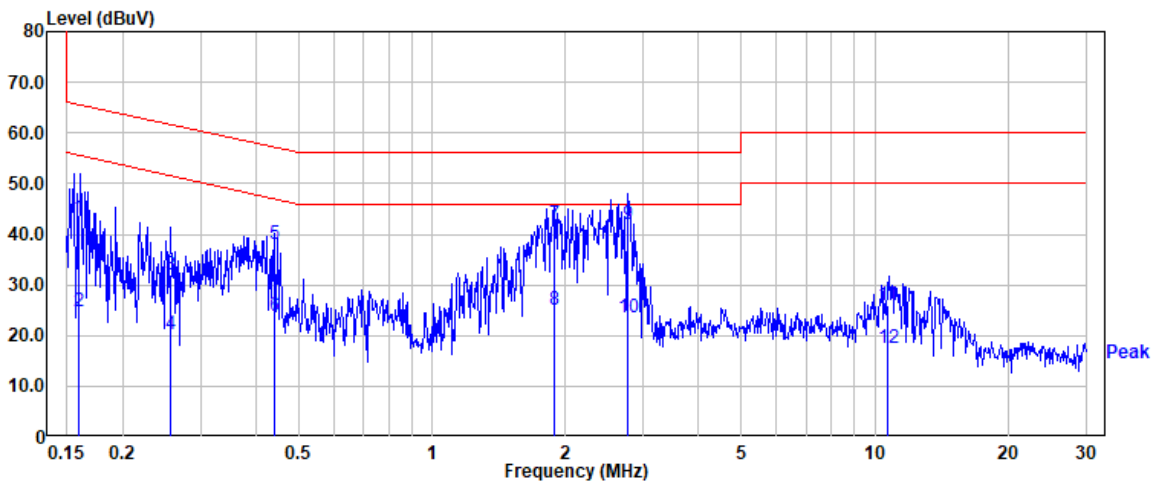


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WIFI 2.4GHz

|                |                  |              |                |
|----------------|------------------|--------------|----------------|
| Project No     | : TM-2602000265P | Test Date    | : 2026-05-22   |
| Operation Band | : 2.4G           | Temp./Humi.  | : 25°C / 65%   |
| Test Chamber   | : Conduction     | Engineer     | : Ben.Yang     |
| Probe          | : Line           | Test Voltage | : AC 120V/60Hz |
| Note           | : G_2462 MHz     |              |                |



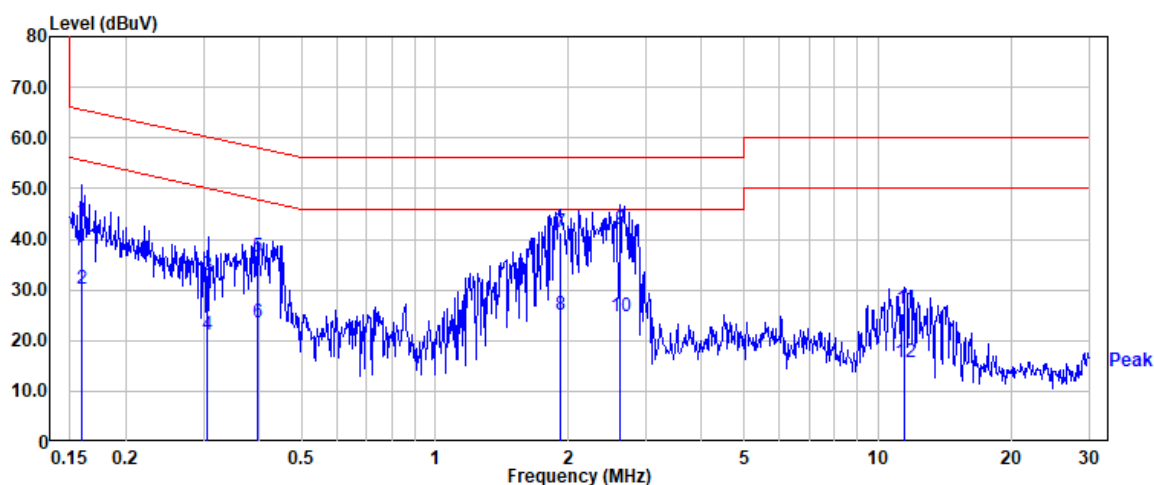
| Freq   | Read Level | Factor | Actual FS | Limit | Margin | Detector Mode |
|--------|------------|--------|-----------|-------|--------|---------------|
| -----  | -----      | -----  | -----     | ----- | -----  | -----         |
| MHz    | dBuV       | dB     | dBuV      | dBuV  | dB     | PK/QP/AV      |
| 0.160  | 43.02      | 0.11   | 43.13     | 65.46 | -22.33 | QP            |
| 0.160  | 24.76      | 0.11   | 24.87     | 55.46 | -30.59 | Average       |
| 0.257  | 31.80      | 0.09   | 31.89     | 61.53 | -29.64 | QP            |
| 0.257  | 20.26      | 0.09   | 20.35     | 51.53 | -31.18 | Average       |
| 0.442  | 38.04      | 0.08   | 38.12     | 57.03 | -18.91 | QP            |
| 0.442  | 23.69      | 0.08   | 23.77     | 47.03 | -23.26 | Average       |
| 1.893  | 41.70      | 0.12   | 41.82     | 56.00 | -14.18 | QP            |
| 1.893  | 25.08      | 0.12   | 25.20     | 46.00 | -20.80 | Average       |
| 2.768  | 41.83      | 0.13   | 41.96     | 56.00 | -14.04 | QP            |
| 2.768  | 23.38      | 0.13   | 23.51     | 46.00 | -22.49 | Average       |
| 10.698 | 25.60      | 0.26   | 25.86     | 60.00 | -34.14 | QP            |
| 10.698 | 17.37      | 0.26   | 17.63     | 50.00 | -32.37 | Average       |

Note: 1. Actual FS= Spectrum Read Level + Factor  
Note: 2. Margin= Actual FS – Limit

Project No: TM-2602000265P  
Report No.: TMWK2603001433KR

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Project No : TM-2602000265P      Test Date : 2026-05-22  
Operation Band : 2.4G      Temp./Humi. : 25°C / 65%  
Test Chamber : Conduction      Engineer : Ben.Yang  
Probe : Neutral      Test Voltage : AC 120V/60Hz  
Note : G\_2462 MHz



| Freq   | Read Level | Factor | Actual FS | Limit | Margin | Detector Mode |
|--------|------------|--------|-----------|-------|--------|---------------|
| -----  | -----      | -----  | -----     | ----- | -----  | -----         |
| MHz    | dBuV       | dB     | dBuV      | dBuV  | dB     | PK/QP/AV      |
| 0.159  | 43.49      | 0.12   | 43.61     | 65.50 | -21.89 | QP            |
| 0.159  | 29.97      | 0.12   | 30.09     | 55.50 | -25.41 | Average       |
| 0.307  | 32.90      | 0.10   | 33.00     | 60.05 | -27.05 | QP            |
| 0.307  | 21.16      | 0.10   | 21.26     | 50.05 | -28.79 | Average       |
| 0.397  | 36.37      | 0.10   | 36.47     | 57.92 | -21.45 | QP            |
| 0.397  | 23.49      | 0.10   | 23.59     | 47.92 | -24.33 | Average       |
| 1.926  | 41.13      | 0.14   | 41.27     | 56.00 | -14.73 | QP            |
| 1.926  | 24.89      | 0.14   | 25.03     | 46.00 | -20.97 | Average       |
| 2.628  | 41.80      | 0.15   | 41.95     | 56.00 | -14.05 | QP            |
| 2.628  | 24.59      | 0.15   | 24.74     | 46.00 | -21.26 | Average       |
| 11.529 | 26.13      | 0.26   | 26.39     | 60.00 | -33.61 | QP            |
| 11.529 | 15.54      | 0.26   | 15.80     | 50.00 | -34.20 | Average       |

Note: 1. Actual FS= Spectrum Read Level + Factor

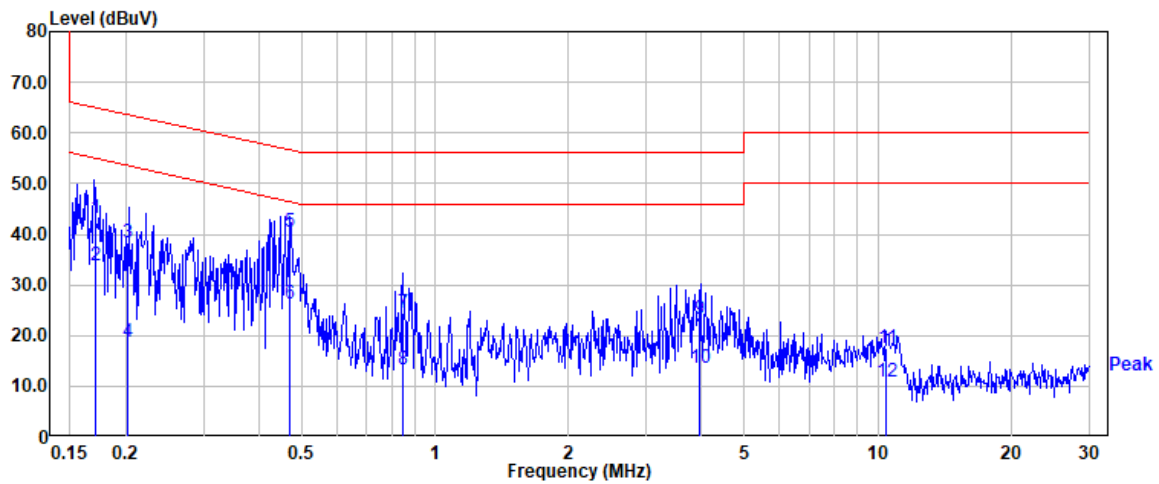
Note: 2. Margin= Actual FS – Limit

Project No: TM-2602000265P  
Report No.: TMWK2603001433KR

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Project No : TM-2602000265P  
Operation Band : 2.4G  
Test Chamber : Conduction  
Probe : Line  
Note : G\_2462 MHz

Test Date : 2026-05-22  
Temp./Humi. : 25°C / 65%  
Engineer : Ben.Yang  
Test Voltage : AC 230V/60Hz



| Freq   | Read Level | Factor | Actual FS | Limit | Margin | Detector Mode |
|--------|------------|--------|-----------|-------|--------|---------------|
| -----  | -----      | -----  | -----     | ----- | -----  | -----         |
| MHz    | dBuV       | dB     | dBuV      | dBuV  | dB     | PK/QP/AV      |
| 0.171  | 42.94      | 0.10   | 43.04     | 64.93 | -21.89 | QP            |
| 0.171  | 33.74      | 0.10   | 33.84     | 54.93 | -21.09 | Average       |
| 0.203  | 38.25      | 0.09   | 38.34     | 63.48 | -25.14 | QP            |
| 0.203  | 18.69      | 0.09   | 18.78     | 53.48 | -34.70 | Average       |
| 0.469  | 40.43      | 0.08   | 40.51     | 56.53 | -16.02 | QP            |
| 0.469  | 26.11      | 0.08   | 26.19     | 46.53 | -20.34 | Average       |
| 0.846  | 24.28      | 0.09   | 24.37     | 56.00 | -31.63 | QP            |
| 0.846  | 13.24      | 0.09   | 13.33     | 46.00 | -32.67 | Average       |
| 3.970  | 23.17      | 0.16   | 23.33     | 56.00 | -32.67 | QP            |
| 3.970  | 13.56      | 0.16   | 13.72     | 46.00 | -32.28 | Average       |
| 10.474 | 17.26      | 0.25   | 17.51     | 60.00 | -42.49 | QP            |
| 10.474 | 10.63      | 0.25   | 10.88     | 50.00 | -39.12 | Average       |

Note: 1. Actual FS= Spectrum Read Level + Factor

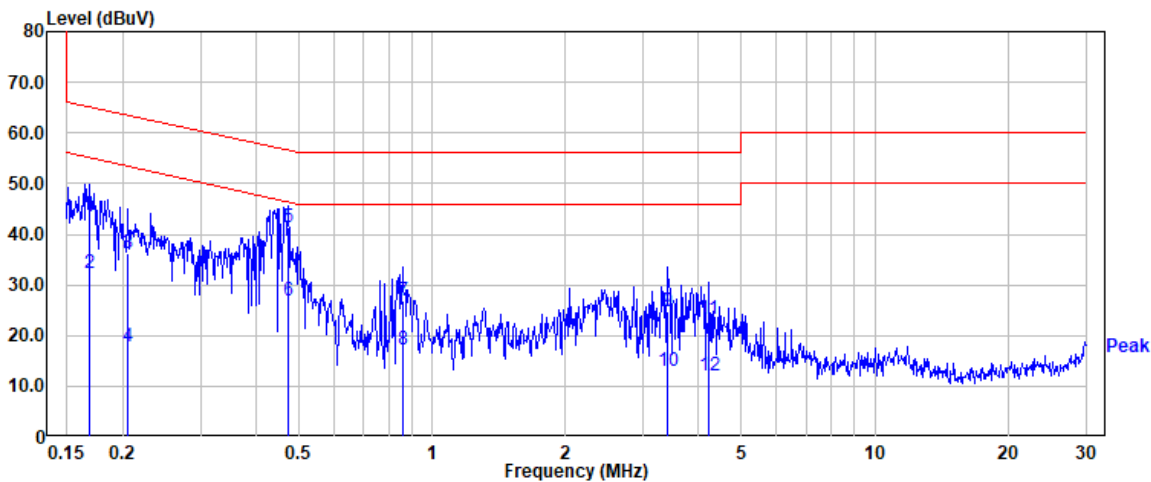
Note: 2. Margin= Actual FS – Limit



Project No: TM-2602000265P  
Report No.: TMWK2603001433KR

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Project No : TM-2602000265P      Test Date : 2026-05-22  
Operation Band : 2.4G      Temp./Humi. : 25°C / 65%  
Test Chamber : Conduction      Engineer : Ben.Yang  
Probe : Neutral      Test Voltage : AC 230V/60Hz  
Note : G\_2462 MHz



| Freq  | Read Level | Factor | Actual FS | Limit | Margin | Detector Mode |
|-------|------------|--------|-----------|-------|--------|---------------|
| ----- | -----      | -----  | -----     | ----- | -----  | -----         |
| MHz   | dBuV       | dB     | dBuV      | dBuV  | dB     | PK/QP/AV      |
| 0.168 | 43.34      | 0.12   | 43.46     | 65.04 | -21.58 | QP            |
| 0.168 | 32.26      | 0.12   | 32.38     | 55.04 | -22.66 | Average       |
| 0.205 | 36.20      | 0.11   | 36.31     | 63.39 | -27.08 | QP            |
| 0.205 | 17.72      | 0.11   | 17.83     | 53.39 | -35.56 | Average       |
| 0.473 | 41.33      | 0.10   | 41.43     | 56.46 | -15.03 | QP            |
| 0.473 | 26.85      | 0.10   | 26.95     | 46.46 | -19.51 | Average       |
| 0.859 | 26.70      | 0.11   | 26.81     | 56.00 | -29.19 | QP            |
| 0.859 | 17.01      | 0.11   | 17.12     | 46.00 | -28.88 | Average       |
| 3.402 | 24.60      | 0.16   | 24.76     | 56.00 | -31.24 | QP            |
| 3.402 | 12.96      | 0.16   | 13.12     | 46.00 | -32.88 | Average       |
| 4.218 | 22.99      | 0.17   | 23.16     | 56.00 | -32.84 | QP            |
| 4.218 | 11.92      | 0.17   | 12.09     | 46.00 | -33.91 | Average       |

Note: 1. Actual FS= Spectrum Read Level + Factor  
Note: 2. Margin= Actual FS – Limit

## 4.2 6dB BANDWIDTH AND OCCUPIED BANDWIDTH (99%)

### 4.2.1 Test Limit

According to §15.247(a)(2),

**6 dB Bandwidth** :

|       |                          |
|-------|--------------------------|
| Limit | Shall be at least 500kHz |
|-------|--------------------------|

**Occupied Bandwidth(99%)** : For reporting purposes only.

### 4.2.2 Test Procedure

#### FCC

Test method Refer as KDB 558074 D01 and ANSI C63.10-2020,

1. The EUT RF output connected to the spectrum analyzer by RF cable.
2. Setting maximum power transmit of EUT
3. SA set RBW = 1% ~ 5% OBW, VBW = three times the RBW and Detector = Peak, to measurement 99% Bandwidth and 6 dB Bandwidth, but not less than 100 kHz.
4. Measure and record the result of 6 dB Bandwidth and 99% Bandwidth. in the test report.

### 4.2.3 Test Setup

Refer to section 1.8.

## 4.2.4 Test Result

Temperature: 24.1~25.4°C      Test Date: April 29~May 04, 2026  
Humidity: 55~60% RH      Tested by: David Li

### 802.11b\_Ch0

| Freq.<br>(MHz) | 99% BW<br>(MHz) | 6dB BW<br>(kHz) | 6dB BW Limit<br>(kHz) | Result |
|----------------|-----------------|-----------------|-----------------------|--------|
| 2412           | 11.937          | 8133            | $\geq 500$            | PASS   |
| 2437           | 10.284          | 7236            | $\geq 500$            | PASS   |
| 2462           | 10.043          | 7200            | $\geq 500$            | PASS   |

### 802.11b\_Ch1

| Freq.<br>(MHz) | 99% BW<br>(MHz) | 6dB BW<br>(kHz) | 6dB BW Limit<br>(kHz) | Result |
|----------------|-----------------|-----------------|-----------------------|--------|
| 2412           | 11.989          | 8112            | $\geq 500$            | PASS   |
| 2437           | 10.762          | 7676            | $\geq 500$            | PASS   |
| 2462           | 10.936          | 7679            | $\geq 500$            | PASS   |

### 802.11g\_Ch0

| Freq.<br>(MHz) | 99% BW<br>(MHz) | 6dB BW<br>(kHz) | 6dB BW Limit<br>(kHz) | Result |
|----------------|-----------------|-----------------|-----------------------|--------|
| 2412           | 16.941          | 16240           | $\geq 500$            | PASS   |
| 2437           | 17.400          | 16200           | $\geq 500$            | PASS   |
| 2462           | 18.791          | 16310           | $\geq 500$            | PASS   |

### 802.11g\_Ch1

| Freq.<br>(MHz) | 99% BW<br>(MHz) | 6dB BW<br>(kHz) | 6dB BW Limit<br>(kHz) | Result |
|----------------|-----------------|-----------------|-----------------------|--------|
| 2412           | 16.763          | 15910           | $\geq 500$            | PASS   |
| 2437           | 16.730          | 16270           | $\geq 500$            | PASS   |
| 2462           | 16.809          | 16320           | $\geq 500$            | PASS   |

#### 802.11n\_HT20\_Ch0

| Freq.<br>(MHz) | 99% BW<br>(MHz) | 6dB BW<br>(kHz) | 6dB BW Limit<br>(kHz) | Result |
|----------------|-----------------|-----------------|-----------------------|--------|
| 2412           | 18.107          | 17560           | $\geq 500$            | PASS   |
| 2437           | 18.352          | 17470           | $\geq 500$            | PASS   |
| 2462           | 19.650          | 17610           | $\geq 500$            | PASS   |

#### 802.11n\_HT20\_Ch1

| Freq.<br>(MHz) | 99% BW<br>(MHz) | 6dB BW<br>(kHz) | 6dB BW Limit<br>(kHz) | Result |
|----------------|-----------------|-----------------|-----------------------|--------|
| 2412           | 17.852          | 17570           | $\geq 500$            | PASS   |
| 2437           | 17.823          | 17620           | $\geq 500$            | PASS   |
| 2462           | 17.813          | 17580           | $\geq 500$            | PASS   |

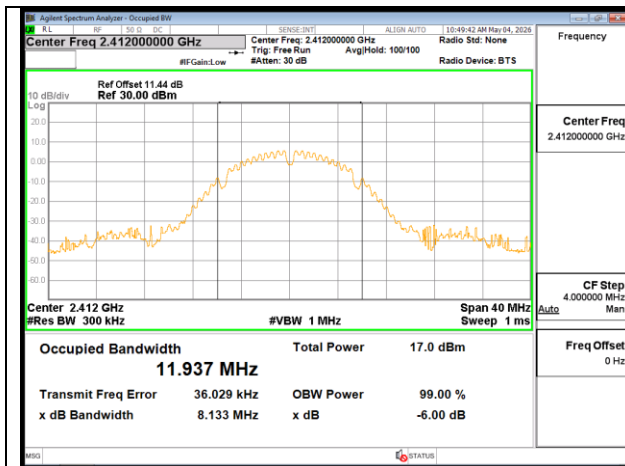
#### 802.11ax\_HE20\_SU\_Ch0

| Freq.<br>(MHz) | 99% BW<br>(MHz) | 6dB BW<br>(kHz) | 6dB BW Limit<br>(kHz) | Result |
|----------------|-----------------|-----------------|-----------------------|--------|
| 2412           | 18.979          | 18730           | $\geq 500$            | PASS   |
| 2437           | 19.073          | 18840           | $\geq 500$            | PASS   |
| 2462           | 18.971          | 18540           | $\geq 500$            | PASS   |

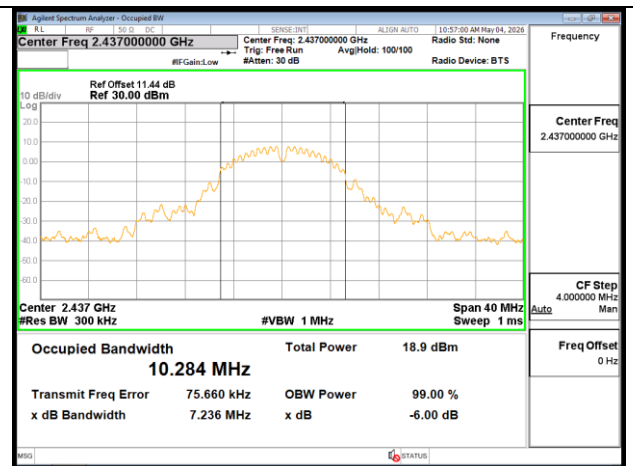
#### 802.11ax\_HE20\_SU\_Ch1

| Freq.<br>(MHz) | 99% BW<br>(MHz) | 6dB BW<br>(kHz) | 6dB BW Limit<br>(kHz) | Result |
|----------------|-----------------|-----------------|-----------------------|--------|
| 2412           | 18.955          | 18700           | $\geq 500$            | PASS   |
| 2437           | 18.921          | 18150           | $\geq 500$            | PASS   |
| 2462           | 18.935          | 18840           | $\geq 500$            | PASS   |

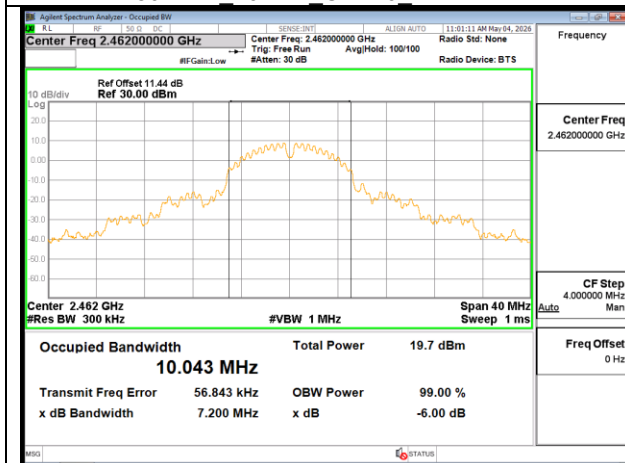
## Test Data



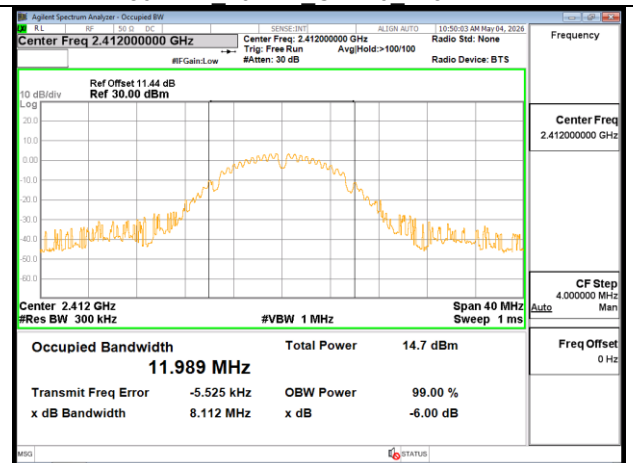
802.11b 20MHz Chain0 2412MHz



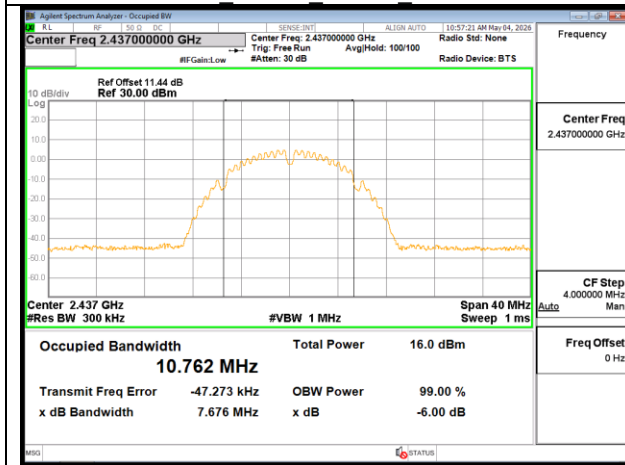
802.11b 20MHz Chain0 2437MHz



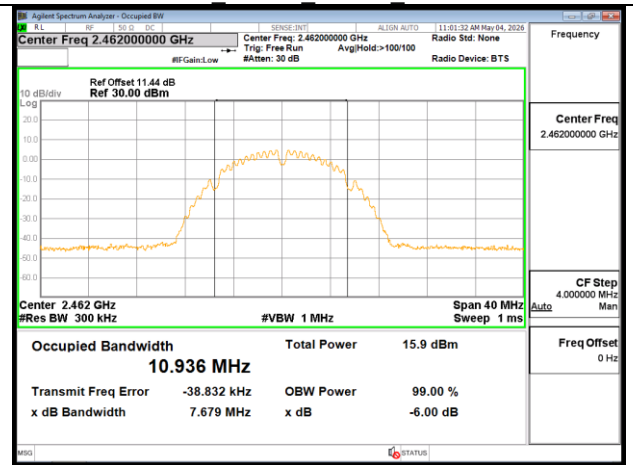
802.11b 20MHz Chain0 2462MHz



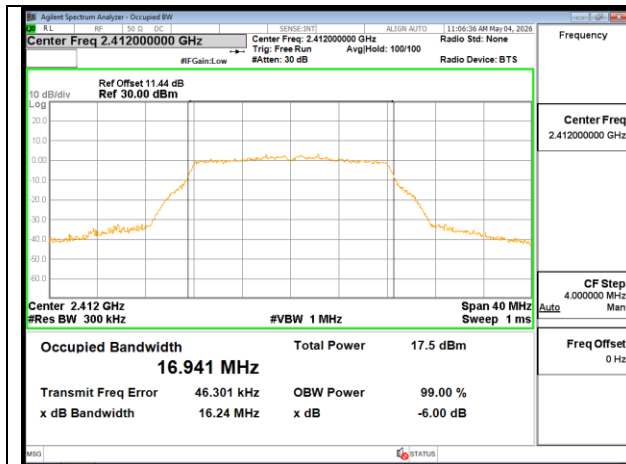
802.11b 20MHz Chain0 2412MHz



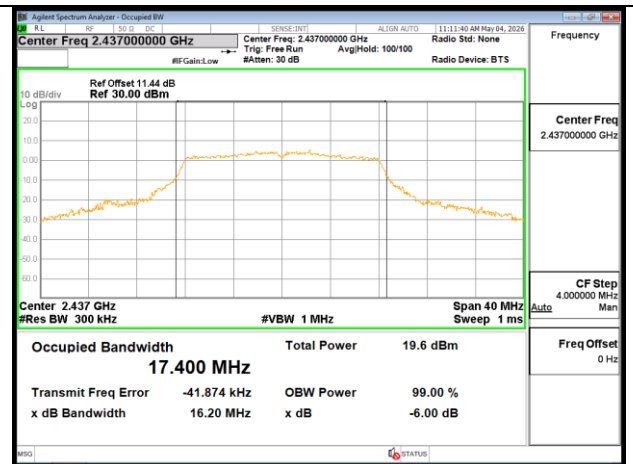
802.11b 20MHz Chain1 2437MHz



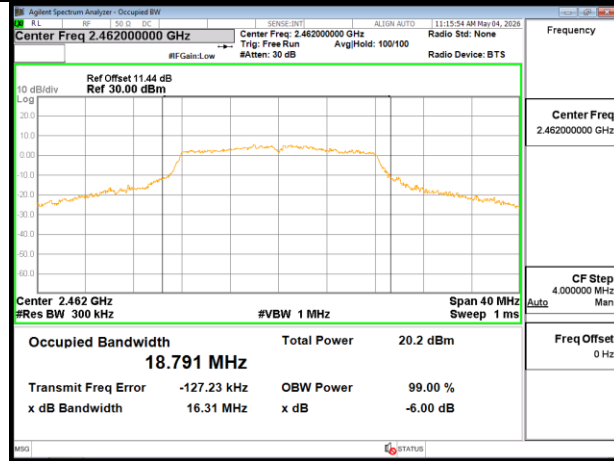
802.11b 20MHz Chain1 2462MHz



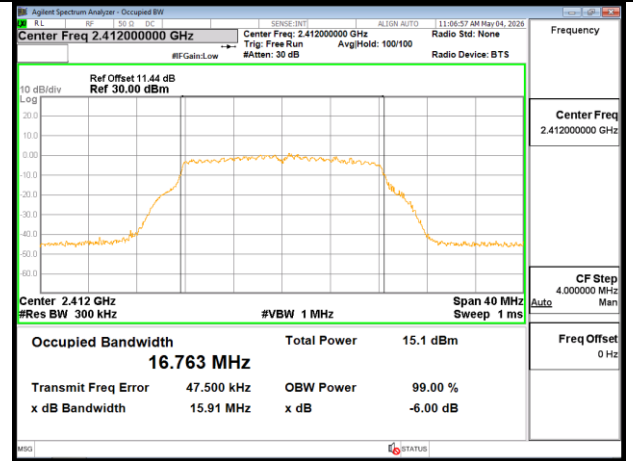
802.11g 20MHz Chain0 2412MHz



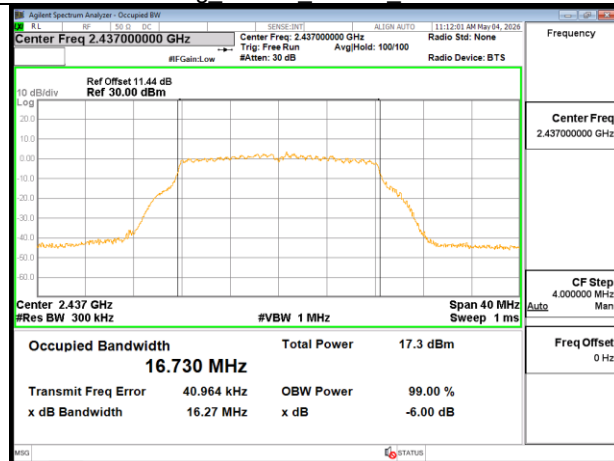
802.11g 20MHz Chain0 2437MHz



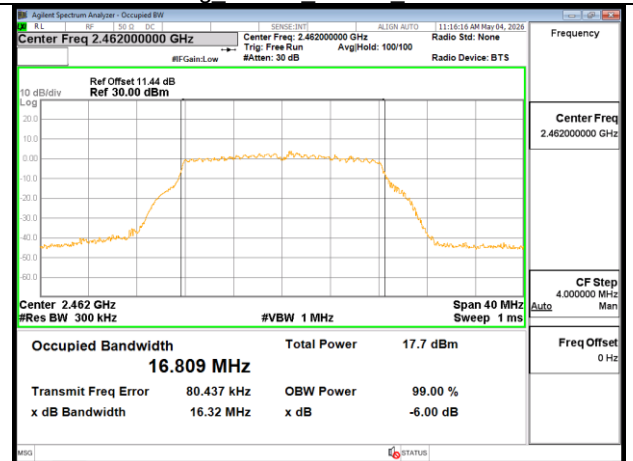
802.11g 20MHz Chain0 2462MHz



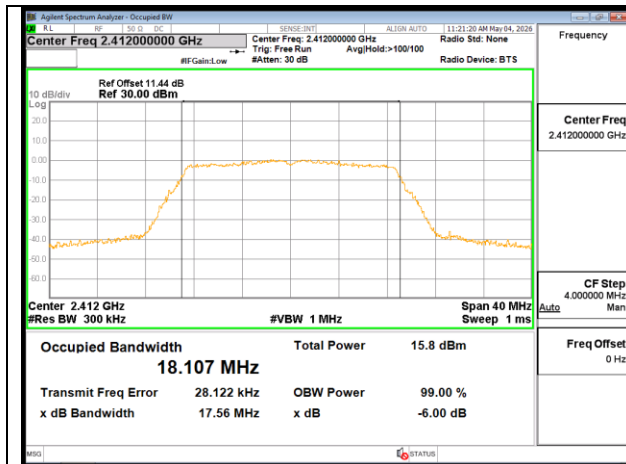
802.11g 20MHz Chain1 2412MHz



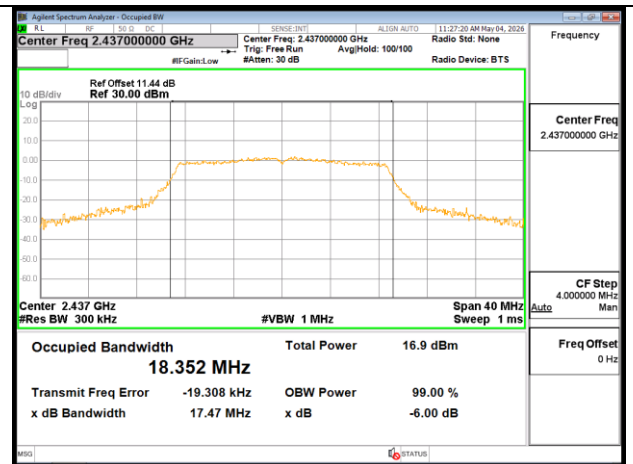
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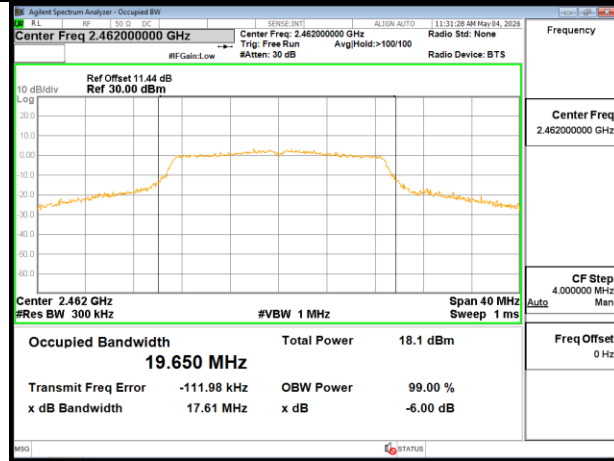
802.11g 20MHz Chain1 2462MHz



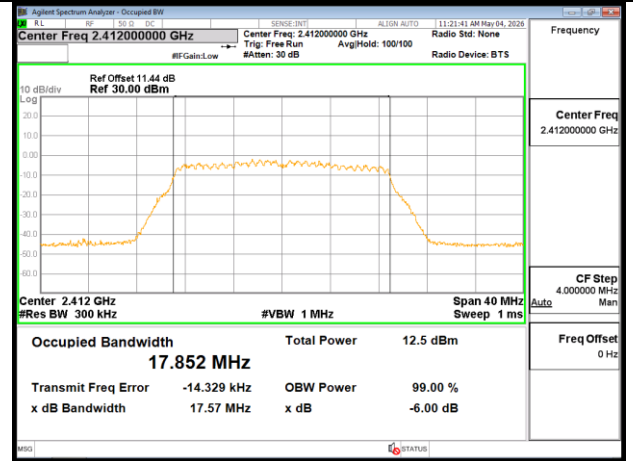
802.11n 20MHz Chain0 2412MHz



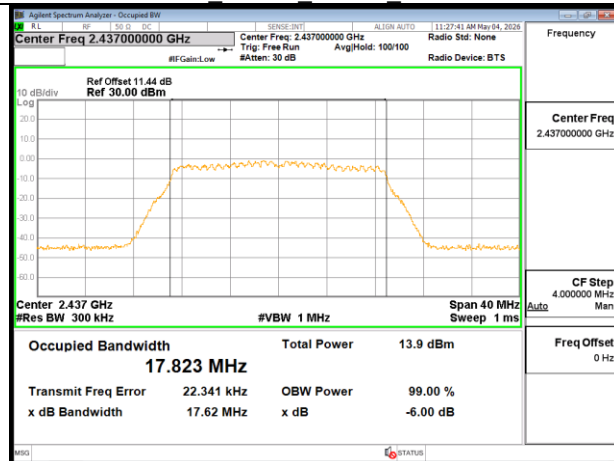
802.11n 20MHz Chain0 2437MHz



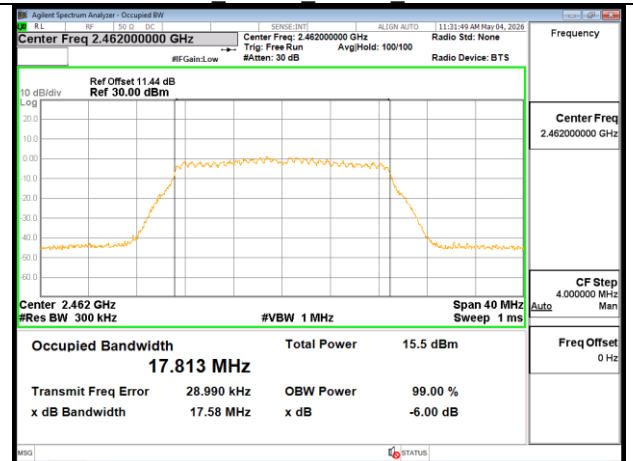
802.11n 20MHz Chain0 2462MHz



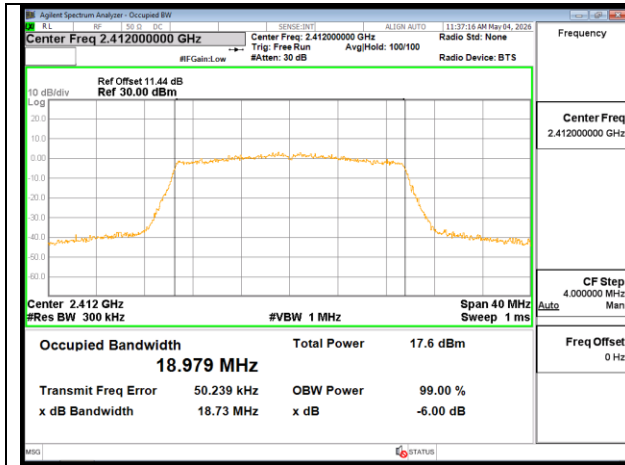
802.11n 20MHz Chain1 2412MHz



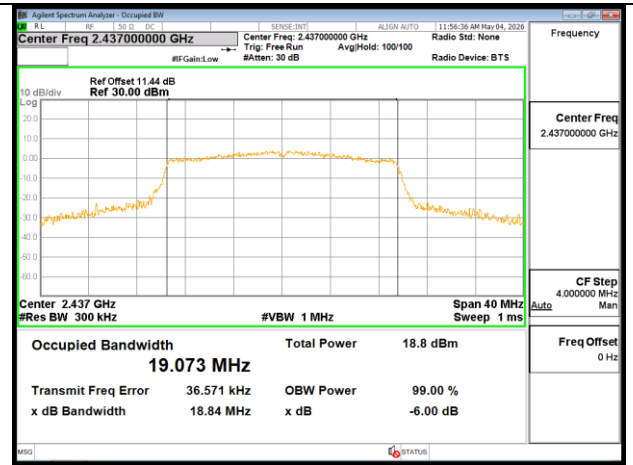
802.11n 20MHz Chain1 2437MHz



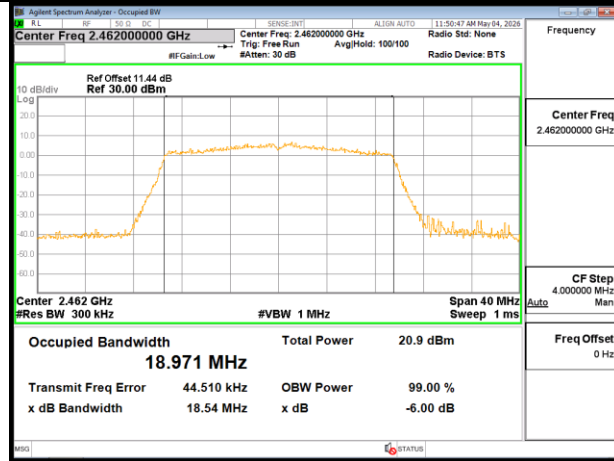
802.11n 20MHz Chain1 2462MHz



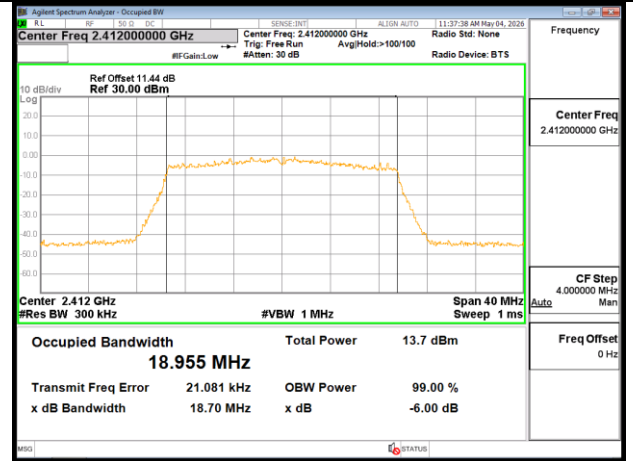
802.11ax 20MHz Chain0 2412MHz



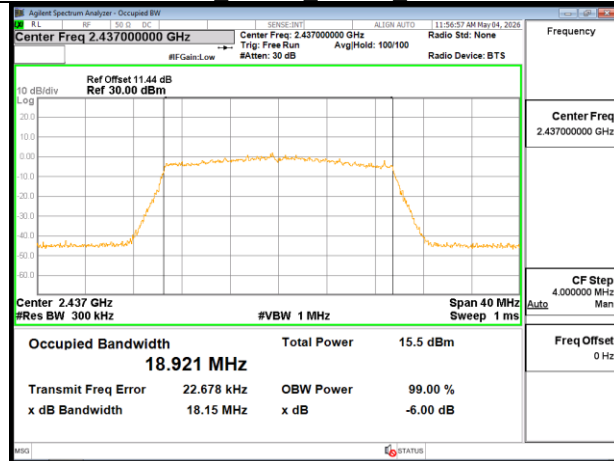
802.11ax 20MHz Chain0 2437MHz



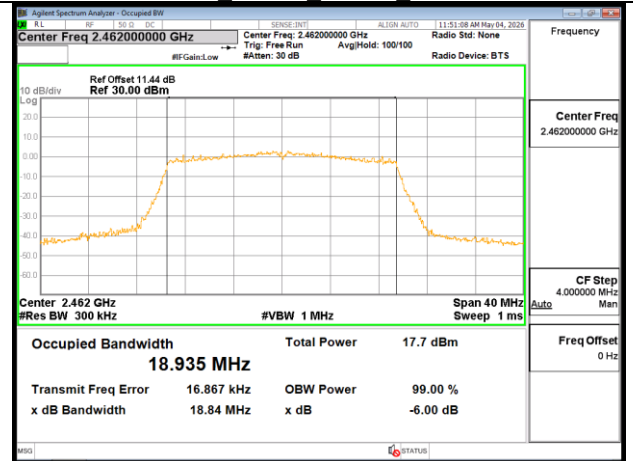
802.11ax 20MHz Chain0 2462MHz



802.11ax 20MHz Chain1 2412MHz



802.11ax 20MHz Chain1 2437MHz



802.11ax 20MHz Chain1 2462MHz

## 4.3 OUTPUT POWER MEASUREMENT

### 4.3.1 Test Limit

According to §15.247(b),

#### FCC

#### Peak output power :

For systems using digital modulation in the 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt(30 dBm) and the e.i.r.p. shall not exceed 4Watt(36 dBm), base on the use of antennas with directional gain not exceed 6 dBi If transmitting antennas of directional gain greater than 6dBi are used the peak output power the conducted output power from the intentional radiator shall be reduced 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 3 dB that the directional gain of the antenna exceeds 6 dBi.

|       |                                                                                                                                                                                                                         |
|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Limit | <input type="checkbox"/> Antenna not exceed 6 dBi : 30dBm<br><input checked="" type="checkbox"/> Antenna with DG greater than 6 dBi :<br>[Limit = 30 – (DG – 6)]<br><input type="checkbox"/> Point-to-point operation : |
|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Average output power : For reporting purposes only.

### 4.3.2 Test Procedure

Test method Refer as KDB 558074 D01.

1. The EUT RF output connected to the power meter by RF cable.
2. Setting maximum power transmit of EUT.
3. The path loss was compensated to the results for each measurement.
4. Measure and record the result of Peak output power and Average output power. in the test report.

### 4.3.3 Test Setup

Refer to section 1.8.

#### 4.3.4 Test Result

Temperature: 24.1~25.4°C Test Date: April 29~May 04, 2026

Humidity: 55~60% RH Tested by: David Li

**\*Note:**

1. Measured by power meter, cable loss 11.44 dB + Duty cycle factor has been offsetted to the power meter for Avg. power and cable loss has been offsetted for Peak power measurement.

#### Peak & Average output power :

| 802.11b_2TX |             |           |               |                         |       |                              |                               |             |        |
|-------------|-------------|-----------|---------------|-------------------------|-------|------------------------------|-------------------------------|-------------|--------|
| CH          | Freq. (MHz) | Data Rate | Power Setting | Peak Output Power (dBm) |       | Total Peak Output Power (mW) | Total Peak Output Power (dBm) | Limit (dBm) | RESULT |
|             |             |           |               | Ch0                     | Ch1   |                              |                               |             |        |
| 1           | 2412        | 1         | 50            | 16.20                   | 15.24 | 75.11                        | 18.76                         | 28.26       | PASS   |
| 6           | 2437        | 1         | 54            | 17.34                   | 15.82 | 92.39                        | 19.66                         | 28.26       | PASS   |
| 11          | 2462        | 1         | 54            | 17.22                   | 15.35 | 87.00                        | 19.40                         | 28.26       | PASS   |

| 802.11b_2TX |             |           |               |                         |       |                              |                               |             |        |
|-------------|-------------|-----------|---------------|-------------------------|-------|------------------------------|-------------------------------|-------------|--------|
| CH          | Freq. (MHz) | Data Rate | Power Setting | Avg. Output Power (dBm) |       | Total Avg. Output Power (mW) | Total Avg. Output Power (dBm) | Limit (dBm) | RESULT |
|             |             |           |               | Ch0                     | Ch1   |                              |                               |             |        |
| 1           | 2412        | 1         | 50            | 13.06                   | 11.51 | 34.39                        | 15.36                         | 28.26       | PASS   |
| 6           | 2437        | 1         | 54            | 13.98                   | 12.45 | 42.58                        | 16.29                         | 28.26       | PASS   |
| 11          | 2462        | 1         | 54            | 14.27                   | 12.34 | 43.87                        | 16.42                         | 28.26       | PASS   |

| 802.11g_2TX |             |           |               |                         |       |                              |                               |             |        |
|-------------|-------------|-----------|---------------|-------------------------|-------|------------------------------|-------------------------------|-------------|--------|
| CH          | Freq. (MHz) | Data Rate | Power Setting | Peak Output Power (dBm) |       | Total Peak Output Power (mW) | Total Peak Output Power (dBm) | Limit (dBm) | RESULT |
|             |             |           |               | Ch0                     | Ch1   |                              |                               |             |        |
| 1           | 2412        | 6         | 37            | 20.45                   | 19.86 | 207.75                       | 23.18                         | 28.26       | PASS   |
| 6           | 2437        | 6         | 42            | 22.60                   | 20.70 | 299.46                       | 24.76                         | 28.26       | PASS   |
| 11          | 2462        | 6         | 42            | 22.26                   | 20.75 | 287.12                       | 24.58                         | 28.26       | PASS   |

| 802.11g_2TX |             |           |               |                         |       |                              |                               |             |        |
|-------------|-------------|-----------|---------------|-------------------------|-------|------------------------------|-------------------------------|-------------|--------|
| CH          | Freq. (MHz) | Data Rate | Power Setting | Avg. Output Power (dBm) |       | Total Avg. Output Power (mW) | Total Avg. Output Power (dBm) | Limit (dBm) | RESULT |
|             |             |           |               | Ch0                     | Ch1   |                              |                               |             |        |
| 1           | 2412        | 6         | 37            | 10.14                   | 8.33  | 17.15                        | 12.34                         | 28.26       | PASS   |
| 6           | 2437        | 6         | 42            | 11.89                   | 10.13 | 25.77                        | 14.11                         | 28.26       | PASS   |
| 11          | 2462        | 6         | 42            | 12.30                   | 10.18 | 27.42                        | 14.38                         | 28.26       | PASS   |



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#### 802.11n\_HT20\_2TX

| CH | Freq.<br>(MHz) | Data<br>Rate | Power<br>Setting | Peak Output Power<br>(dBm) |       | Total Peak<br>Output Power<br>(mW) | Total Peak<br>Output Power<br>(dBm) | Limit<br>(dBm) | RESULT |
|----|----------------|--------------|------------------|----------------------------|-------|------------------------------------|-------------------------------------|----------------|--------|
|    |                |              |                  | Ch0                        | Ch1   |                                    |                                     |                |        |
| 1  | 2412           | MCS0         | 32               | 18.75                      | 16.32 | 117.84                             | 20.71                               | 28.26          | PASS   |
| 6  | 2437           | MCS0         | 34               | 21.42                      | 16.95 | 188.22                             | 22.75                               | 28.26          | PASS   |
| 11 | 2462           | MCS0         | 36               | 20.95                      | 19.35 | 210.55                             | <b>23.23</b>                        | 28.26          | PASS   |

#### 802.11n\_HT20\_2TX

| CH | Freq.<br>(MHz) | Data<br>Rate | Power<br>Setting | Avg. Output Power<br>(dBm) |      | Total Avg.<br>Output Power<br>(mW) | Total Avg.<br>Output Power<br>(dBm) | Limit<br>(dBm) | RESULT |
|----|----------------|--------------|------------------|----------------------------|------|------------------------------------|-------------------------------------|----------------|--------|
|    |                |              |                  | Ch0                        | Ch1  |                                    |                                     |                |        |
| 1  | 2412           | MCS0         | 32               | 8.69                       | 5.51 | 10.96                              | 10.40                               | 28.26          | PASS   |
| 6  | 2437           | MCS0         | 34               | 9.39                       | 6.24 | 12.91                              | 11.11                               | 28.26          | PASS   |
| 11 | 2462           | MCS0         | 36               | 9.91                       | 8.01 | 16.14                              | <b>12.08</b>                        | 28.26          | PASS   |

#### 802.11ax\_HE20\_SU\_2TX

| CH | Freq.<br>(MHz) | Data<br>Rate | Power<br>Setting | Peak Output Power<br>(dBm) |       | Total Peak<br>Output Power<br>(mW) | Total Peak<br>Output Power<br>(dBm) | Limit<br>(dBm) | RESULT |
|----|----------------|--------------|------------------|----------------------------|-------|------------------------------------|-------------------------------------|----------------|--------|
|    |                |              |                  | Ch0                        | Ch1   |                                    |                                     |                |        |
| 1  | 2412           | MCS0         | 32               | 18.81                      | 16.38 | 119.48                             | 20.77                               | 28.26          | PASS   |
| 6  | 2437           | MCS0         | 34               | 21.70                      | 17.36 | 202.36                             | 23.06                               | 28.26          | PASS   |
| 11 | 2462           | MCS0         | 36               | 21.13                      | 19.65 | 221.98                             | <b>23.46</b>                        | 28.26          | PASS   |

#### 802.11ax\_HE20\_SU\_2TX

| CH | Freq.<br>(MHz) | Data<br>Rate | Power<br>Setting | Avg. Output Power<br>(dBm) |      | Total Avg.<br>Output Power<br>(mW) | Total Avg.<br>Output Power<br>(dBm) | Limit<br>(dBm) | RESULT |
|----|----------------|--------------|------------------|----------------------------|------|------------------------------------|-------------------------------------|----------------|--------|
|    |                |              |                  | Ch0                        | Ch1  |                                    |                                     |                |        |
| 1  | 2412           | MCS0         | 32               | 9.01                       | 5.21 | 11.27                              | 10.52                               | 28.26          | PASS   |
| 6  | 2437           | MCS0         | 34               | 9.72                       | 6.83 | 14.19                              | 11.52                               | 28.26          | PASS   |
| 11 | 2462           | MCS0         | 36               | 10.26                      | 8.35 | 17.45                              | <b>12.42</b>                        | 28.26          | PASS   |

## 4.4 POWER SPECTRAL DENSITY

### 4.4.1 Test Limit

According to §15.247(e),

For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

|       |                                                                                                                                                                                                                         |
|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Limit | <input type="checkbox"/> Antenna not exceed 6 dBi : 8dBm<br><input checked="" type="checkbox"/> Antenna with DG greater than 6 dBi :<br>[ Limit = 8 – (DG – 6) ]<br><input type="checkbox"/> Point-to-point operation : |
|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### 4.4.2 Test Procedure

Test method Refer as KDB 558074 D01

1. The EUT RF output connected to the spectrum analyzer by RF cable.
2. Setting maximum power transmit of EUT
3. SA set RBW = 3kHz, VBW = 10kHz, Span = 1.5 times DTS Bandwidth (6 dB BW), Detector = Peak, Sweep Time = Auto and Trace = Max hold.
4. The path loss were compensated to the results for each measurement by SA.
5. Mark the maximum level.
6. Measure and record the result of power spectral density. in the test report.

### 4.4.3 Test Setup

Refer to section 1.8.

#### 4.4.4 Test Result

**Temperature:** 24.1~25.4°C      **Test Date:** April 29~May 04, 2026  
**Humidity:** 55~60% RH      **Tested by:** David Li

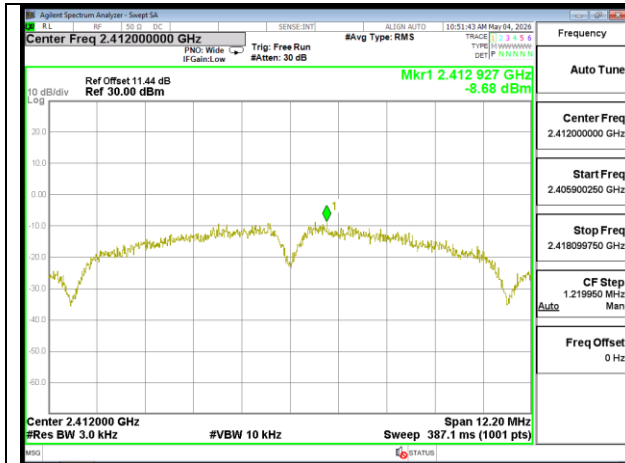
| POWER DENSITY 802.11b MODE |            |            |                   |                     |        |
|----------------------------|------------|------------|-------------------|---------------------|--------|
| Freq.<br>(MHz)             | Ch0<br>PSD | Ch1<br>PSD | PSD<br>(dBm/3kHz) | Limit<br>(dBm/3kHz) | Result |
| 2412                       | -8.68      | -10.61     | -6.53             | 6.26                | PASS   |
| 2437                       | -5.48      | -9.97      | -4.16             | 6.26                | PASS   |
| 2462                       | -6.64      | -9.77      | -4.92             | 6.26                | PASS   |

| POWER DENSITY 802.11g MODE |            |            |                   |                     |        |
|----------------------------|------------|------------|-------------------|---------------------|--------|
| Freq.<br>(MHz)             | Ch0<br>PSD | Ch1<br>PSD | PSD<br>(dBm/3kHz) | Limit<br>(dBm/3kHz) | Result |
| 2412                       | -14.65     | -16.73     | -12.56            | 6.26                | PASS   |
| 2437                       | -12.54     | -14.79     | -10.51            | 6.26                | PASS   |
| 2462                       | -11.94     | -14.8      | -10.13            | 6.26                | PASS   |

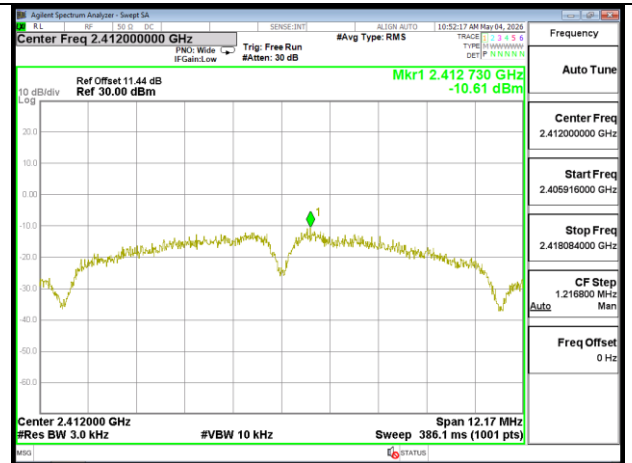
| POWER DENSITY 802.11n HT20 MODE |            |            |                   |                     |        |
|---------------------------------|------------|------------|-------------------|---------------------|--------|
| Freq.<br>(MHz)                  | Ch0<br>PSD | Ch1<br>PSD | PSD<br>(dBm/3kHz) | Limit<br>(dBm/3kHz) | Result |
| 2412                            | -15.87     | -20.33     | -14.54            | 6.26                | PASS   |
| 2437                            | -15.01     | -18.25     | -13.32            | 6.26                | PASS   |
| 2462                            | -14.44     | -16.88     | -12.48            | 6.26                | PASS   |

| POWER DENSITY 802.11ax HE20 SU MODE |            |            |                   |                     |        |
|-------------------------------------|------------|------------|-------------------|---------------------|--------|
| Freq.<br>(MHz)                      | Ch0<br>PSD | Ch1<br>PSD | PSD<br>(dBm/3kHz) | Limit<br>(dBm/3kHz) | Result |
| 2412                                | -15.99     | -19.65     | -14.44            | 6.26                | PASS   |
| 2437                                | -15.22     | -19.4      | -13.82            | 6.26                | PASS   |
| 2462                                | -13.25     | -15.45     | -11.20            | 6.26                | PASS   |

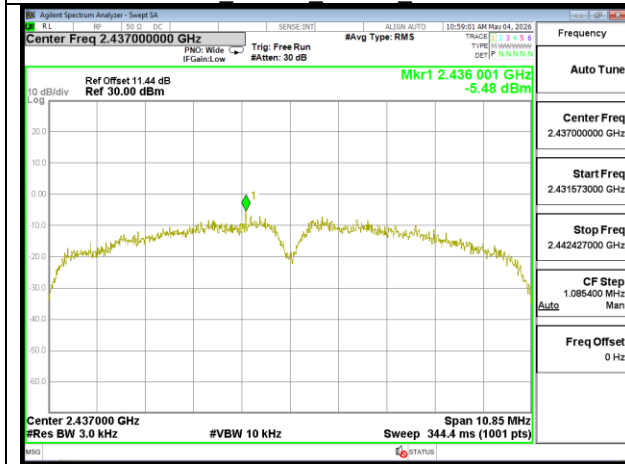
## Test Data



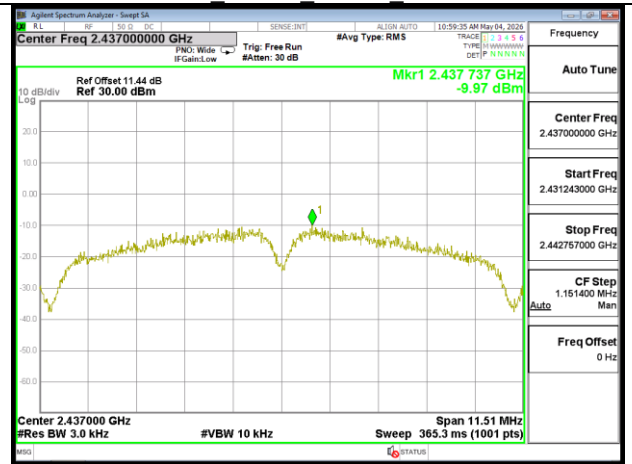
802.11b 20MHz Chain0 2412MHz



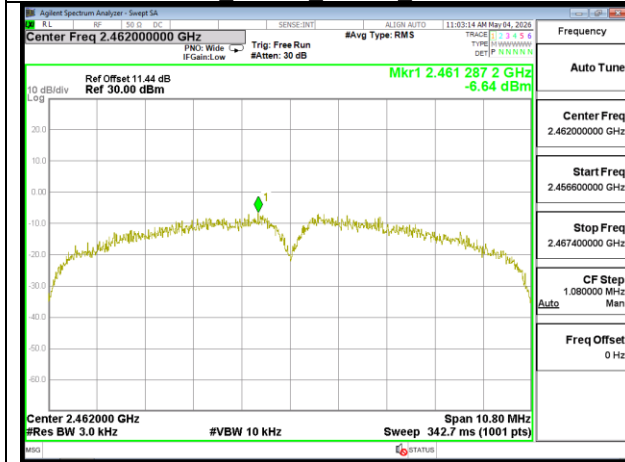
802.11b 20MHz Chain1 2412MHz



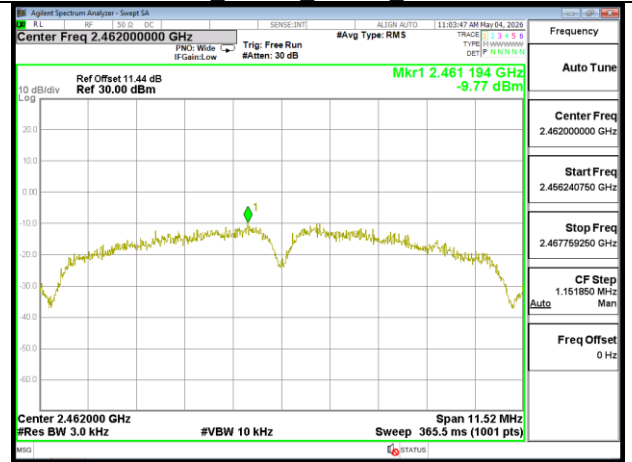
802.11b 20MHz Chain0 2437MHz



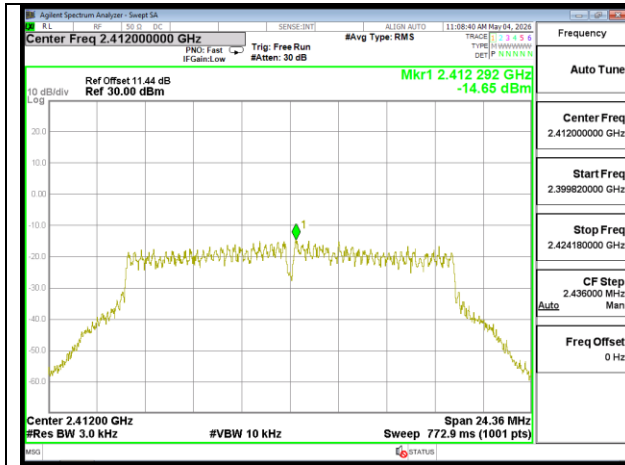
802.11b 20MHz Chain1 2437MHz



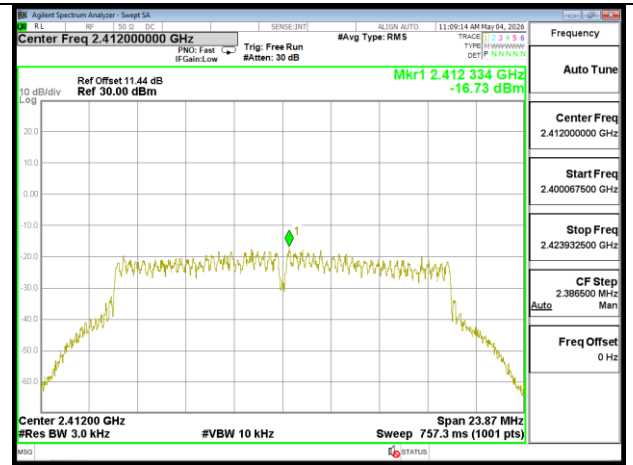
802.11b 20MHz Chain0 2462MHz



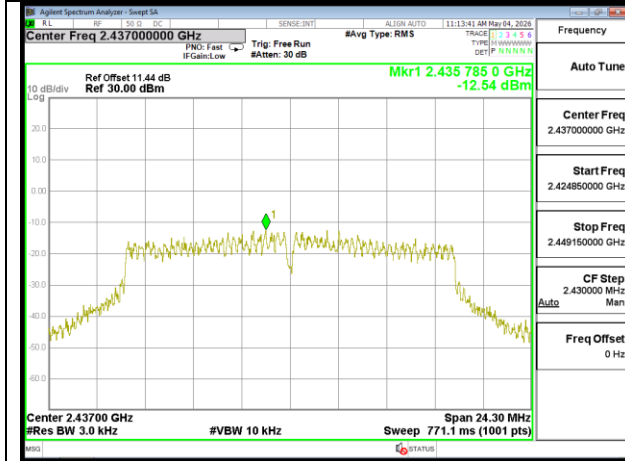
802.11b 20MHz Chain1 2462MHz



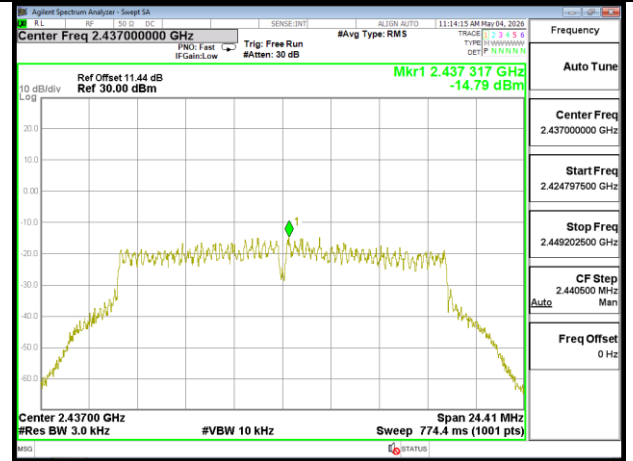
802.11g 20MHz Chain0 2412MHz



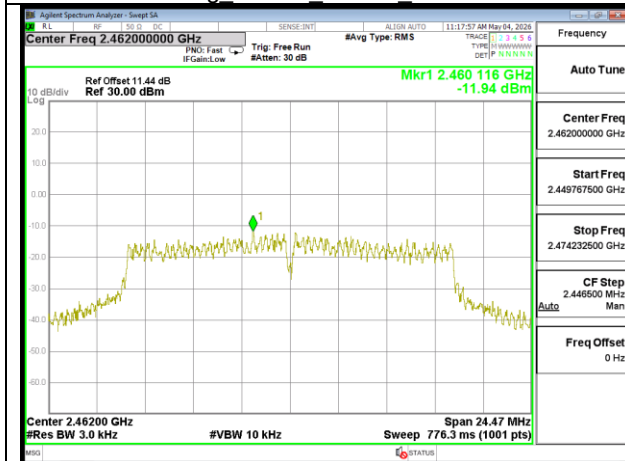
802.11g 20MHz Chain1 2412MHz



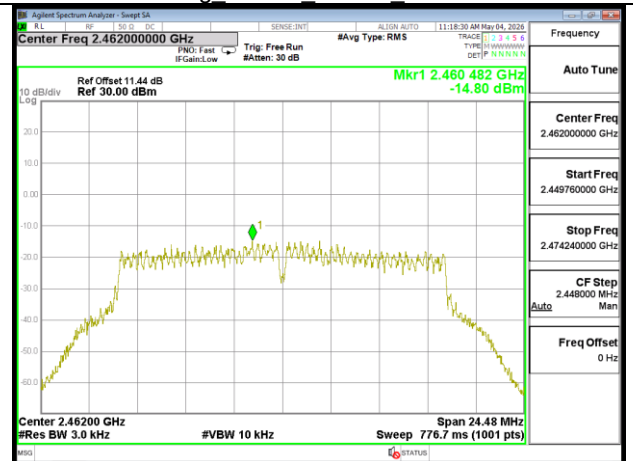
802.11g 20MHz Chain0 2437MHz



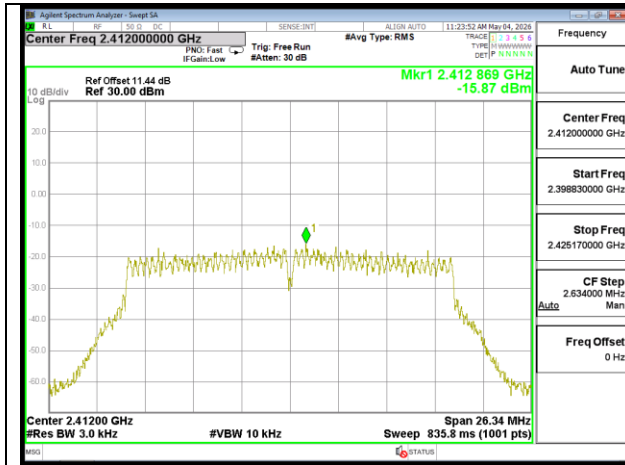
802.11g 20MHz Chain1 2437MHz



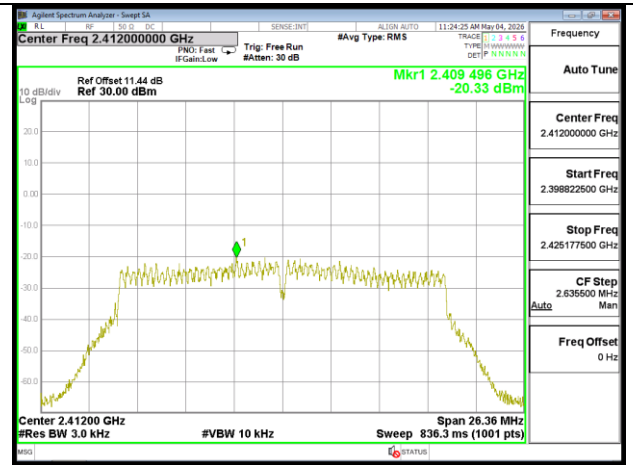
802.11g 20MHz Chain0 2462MHz



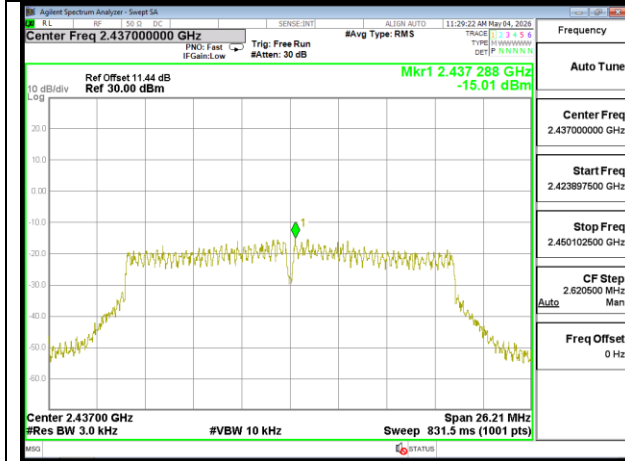
802.11g 20MHz Chain1 2462MHz



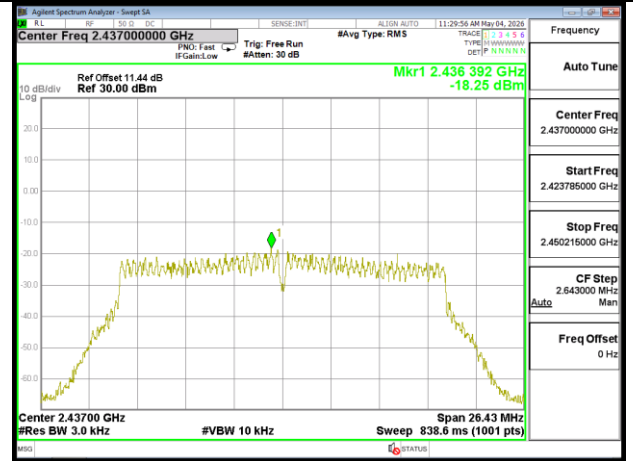
802.11n 20MHz Chain0 2412MHz



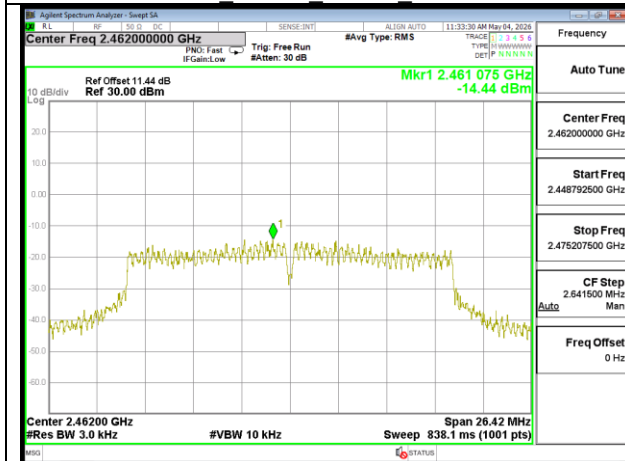
802.11n 20MHz Chain1 2412MHz



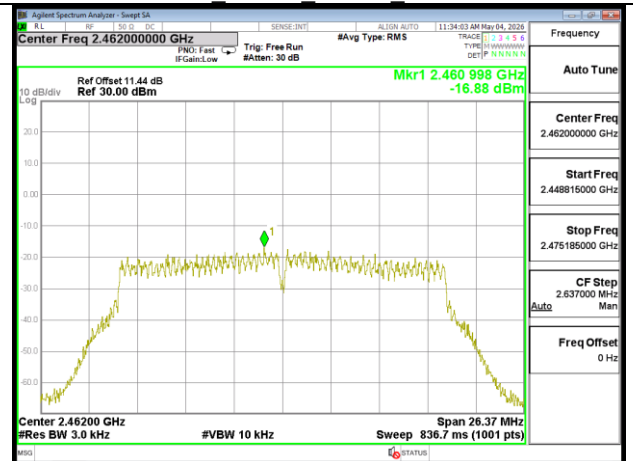
802.11n 20MHz Chain0 2437MHz



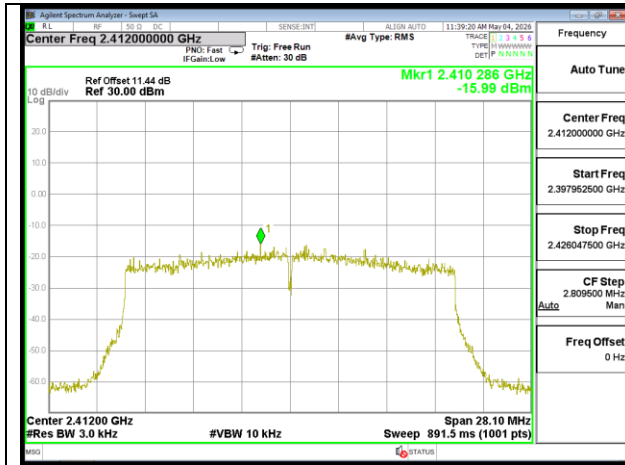
802.11n 20MHz Chain1 2437MHz



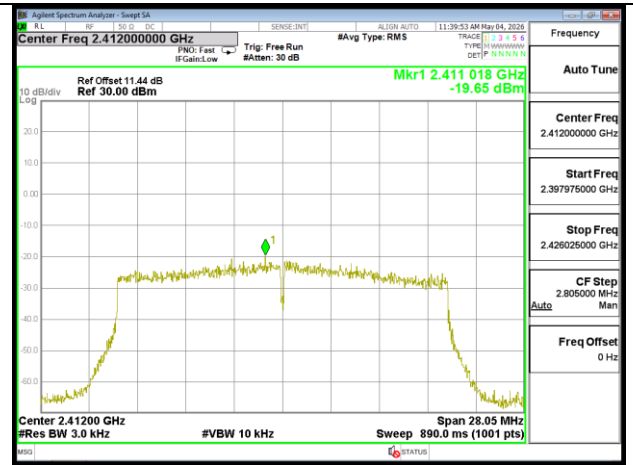
802.11n 20MHz Chain0 2462MHz



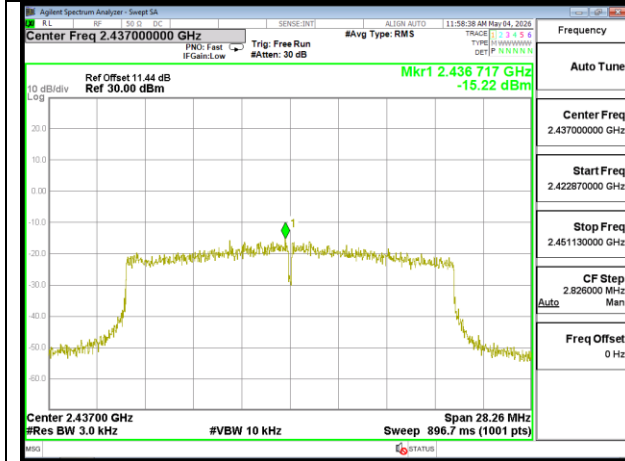
802.11n 20MHz Chain1 2462MHz



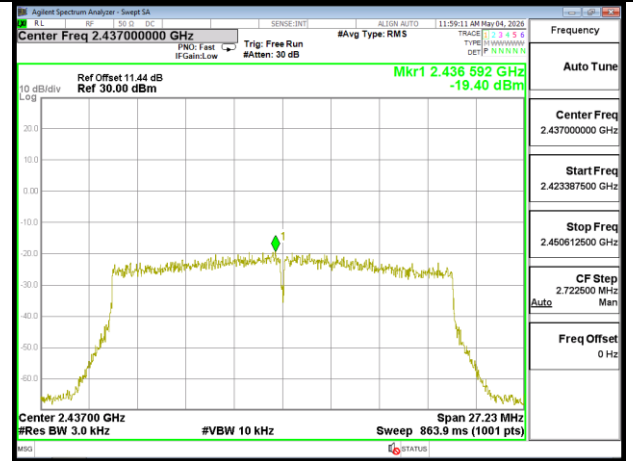
802.11ax 20MHz Chain0 2412MHz



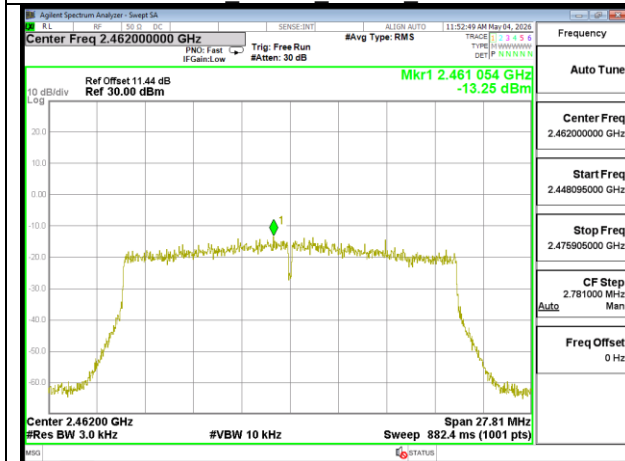
802.11ax 20MHz Chain1 2412MHz



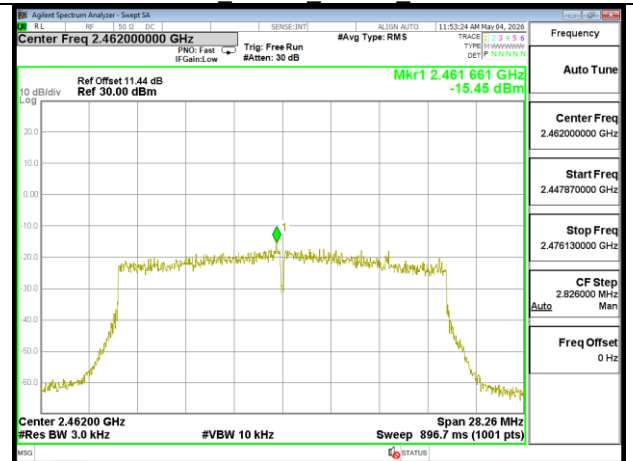
802.11ax 20MHz Chain0 2437MHz



802.11ax 20MHz Chain1 2437MHz



802.11ax 20MHz Chain0 2462MHz



802.11ax 20MHz Chain1 2462MHz



Project No: TM-2602000265P  
Report No.: TMWK2603001433KR

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Rev. 00

## 4.5 CONDUCTED BANDEDGE AND SPURIOUS EMISSION

### 4.5.1 Test Limit

According to §15.247(d),

In any 100 kHz bandwidth outside the authorized frequency band,

Non-restricted bands shall be attenuated at least 20 dB/30 dB relative to the maximum PSD level in 100 kHz by RF conducted or a radiated measurement which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a).

### 4.5.2 Test Procedure

Test method Refer as KDB 662911 D01, KDB 558074 D01.

1. EUT RF output port connected to the SA by RF cable, and the path loss was compensated to result.
2. SA setting, RBW=100kHz, VBW=300kHz, Detector=Peak, Trace mode = max hold, SWT = Auto.
3. In any 100 kHz bandwidth outside the authorized frequency band, shall be attenuated at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz when conducted power procedure is used. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, the attenuation required under this paragraph shall be 30 dB instead of 20 dB.

### 4.5.3 Test Setup

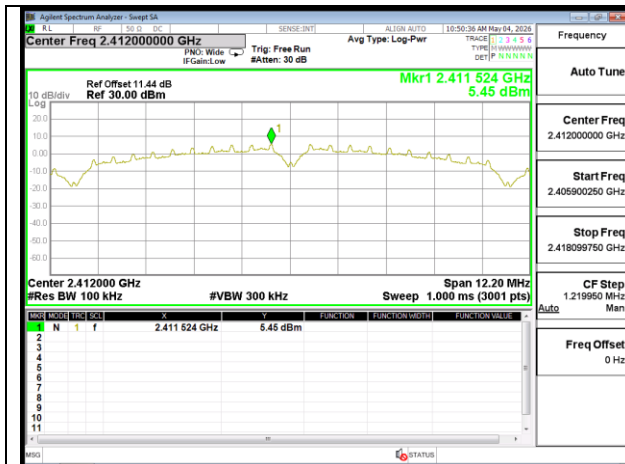
Refer to section 1.8.

### 4.5.4 Test Result

**Temperature:** 24.1~25.4°C  
**Humidity:** 55~60% RH

**Test Date:** April 29~May 04, 2026  
**Tested by:** David Li

## Test Data Reference Level



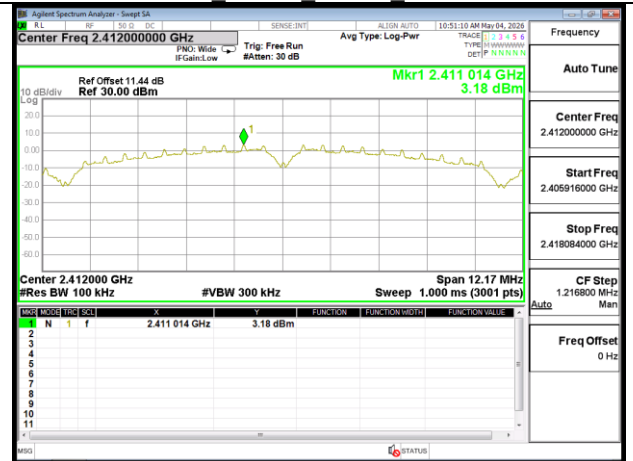
802.11b 20MHz Chain0 2412MHz



802.11b 20MHz Chain0 2437MHz



802.11b 20MHz Chain0 2462MHz



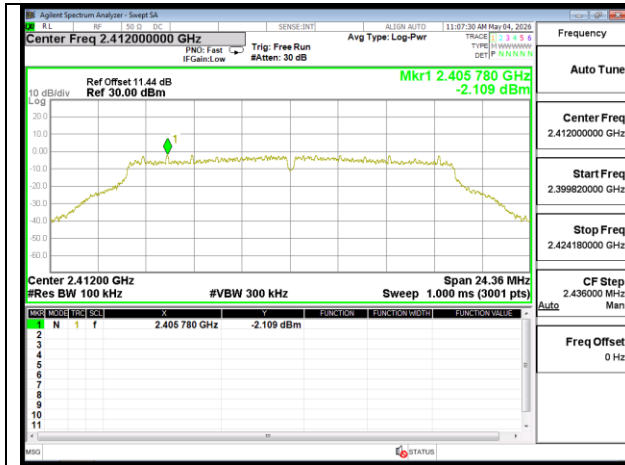
802.11b 20MHz Chain1 2412MHz



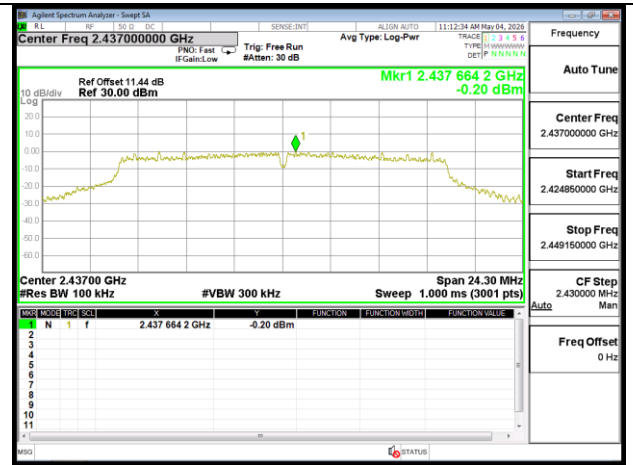
802.11b 20MHz Chain1 2437MHz



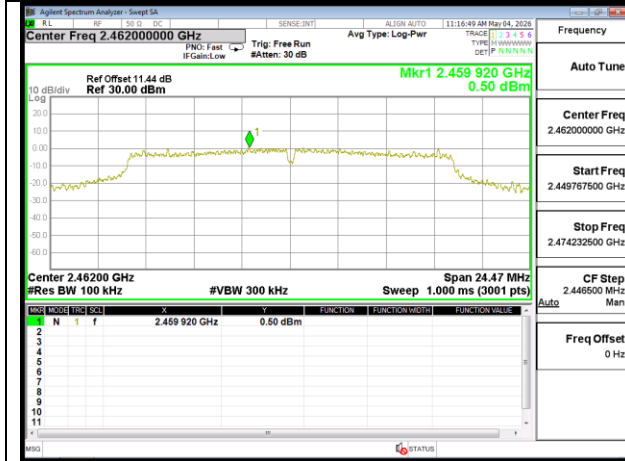
802.11b 20MHz Chain1 2462MHz



802.11g 20MHz Chain0 2412MHz



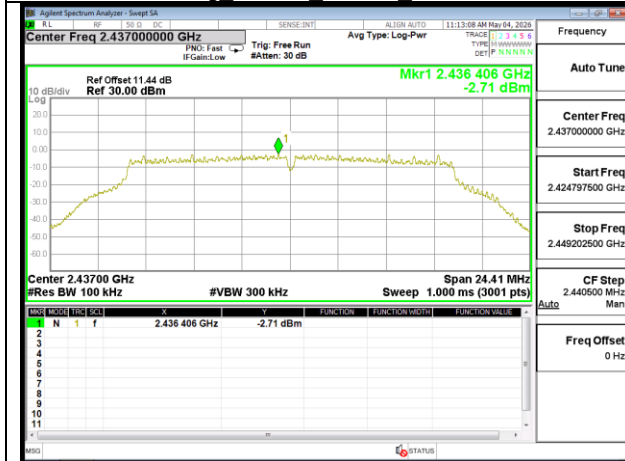
802.11g 20MHz Chain0 2437MHz



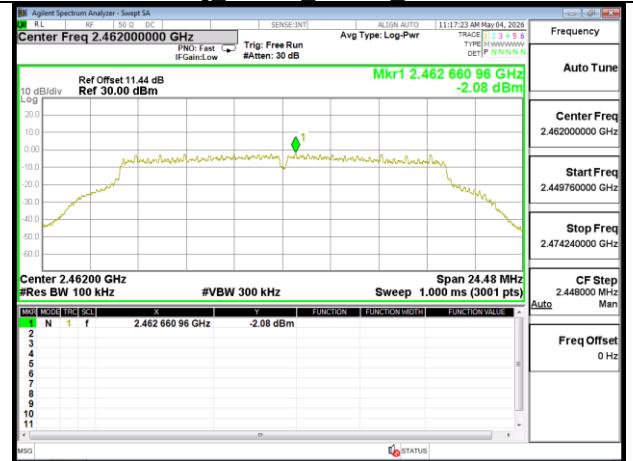
802.11g 20MHz Chain0 2462MHz



802.11g 20MHz Chain1 2412MHz



802.11g 20MHz Chain1 2437MHz



802.11g 20MHz Chain1 2462MHz