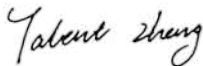


FCC CERTIFICATION TEST REPORT

|                                                                                                                                                                                     |                                                                                    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| Applicant:                                                                                                                                                                          | Shenzhen PVT Electronics Co.,Ltd                                                   |
| Address:                                                                                                                                                                            | 2201, West Tower, Skyworth Semiconductor Design Building, Shenzhen, China, 518057. |
| Manufacturer:                                                                                                                                                                       | Shenzhen PVT Electronics Co.,Ltd                                                   |
| Address:                                                                                                                                                                            | 2201, West Tower, Skyworth Semiconductor Design Building, Shenzhen, China, 518057. |
| Product Description:                                                                                                                                                                | Vehicle wireless module                                                            |
| Brand Name:                                                                                                                                                                         | NA                                                                                 |
| Tested Model:                                                                                                                                                                       | P13.A01.H4                                                                         |
| FCC ID:                                                                                                                                                                             | 2BMJZ-P13A01H4                                                                     |
| Report No.:                                                                                                                                                                         | JCF241024031-003                                                                   |
| Received Date:                                                                                                                                                                      | Oct. 24, 2024                                                                      |
| Tested Date:                                                                                                                                                                        | Oct. 24, 2024 ~ Mar. 07, 2025                                                      |
| Issued Date:                                                                                                                                                                        | Mar. 07, 2025                                                                      |
| Test Standards:                                                                                                                                                                     | FCC Rules and Regulations Part 15 Subpart C,                                       |
| Test Procedure:                                                                                                                                                                     | ANSI C63.10:2013                                                                   |
| Test Result:                                                                                                                                                                        | Pass                                                                               |
| <div>Prepared By:<br/><br/><u>Roger Li/Engineer</u><br/><div>Date: Mar. 07, 2025</div></div>     |                                                                                    |
| <div>Reviewed By:<br/><br/><u>Kennys Zhang/Engineer</u><br/><div>Date: Mar. 07, 2025</div></div> |                                                                                    |
| <div>Approved By:<br/><br/><u>Talent Zhang/Engineer</u><br/><div>Date: Mar. 07, 2025</div></div> |                                                                                    |

Note: The test results in this report apply exclusively to the tested model / sample. Without written approval of Guangzhou Jingce Testing Technology Co., Ltd. the test report shall not be reproduced except in full.

Report Revise Record

| Report Version | Revise Time | Issued Date   | Valid Version   | Notes |
|----------------|-------------|---------------|-----------------|-------|
| V1.0           | /           | Mar. 07, 2025 | Original Report | /     |

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1. Test Report Declare

|                         |                                                                                    |
|-------------------------|------------------------------------------------------------------------------------|
| Applicant:              | Shenzhen PVT Electronics Co.,Ltd                                                   |
| Address:                | 2201, West Tower, Skyworth Semiconductor Design Building, Shenzhen, China, 518057. |
| Manufacturer:           | Shenzhen PVT Electronics Co.,Ltd                                                   |
| Address:                | 2201, West Tower, Skyworth Semiconductor Design Building, Shenzhen, China, 518057. |
| Product Name:           | Vehicle wireless module                                                            |
| Brand Name:             | NA                                                                                 |
| Model Name:             | P13.A01.H4                                                                         |
| Difference Description: | NA                                                                                 |

We Declare:

The equipment described above is tested by Guangzhou Jingce Testing Technology Co., Ltd. and in the configuration tested the equipment complied with the standards specified above. The test results are contained in this test report and Guangzhou Jingce Testing Technology Co., Ltd. is assumed of full responsibility for the accuracy and completeness of these tests except as provided information by clients.

## 2. Summary of Test Results

| Summary of Test Results |                                           |                                                           |              |
|-------------------------|-------------------------------------------|-----------------------------------------------------------|--------------|
| Clause                  | Test Items                                | FCC Rules                                                 | Test Results |
| 1                       | 6dB Bandwidth                             | FCC Part 15.247 (a) (2)                                   | Pass         |
| 2                       | Peak Conducted Output Power               | FCC Part 15.247 (b) (3)                                   | Pass         |
| 3                       | Power Spectral Density                    | FCC Part 15.247 (e)                                       | Pass         |
| 4                       | Conducted Bandedge and Spurious Emission  | FCC Part 15.247 (d)                                       | Pass         |
| 5                       | Radiated Bandedge and Spurious Emission   | FCC Part 15.247 (d)<br>FCC Part 15.209<br>FCC Part 15.205 | Pass         |
| 6                       | Conducted Emission Test For AC Power Port | FCC Part 15.207                                           | NA           |
| 7                       | Antenna Requirement                       | FCC Part 15.203                                           | Pass         |

## 3. Test Laboratory

Guangzhou Jingce Testing Technology Co., Ltd.

Add.: No.10, Hefeng No.1 street, Huangpu District, Guangzhou, Guangdong, People's Republic of China

Association for Laboratory Accreditation(A2LA). Certificate Number: 6594.03

FCC Designation Number: CN1381. Test Firm Registration Number: 486550

IC Test Firm Registration Number: 31808

Conformity Assessment Body identifier: CN0173

## 4. Equipment Under Test

### 4.1. Description of EUT

|                                  |                                                                                                                                                                                                                                                |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>EUT Name:</b>                 | Vehicle wireless module                                                                                                                                                                                                                        |
| <b>Model Number:</b>             | P13.A01.H4                                                                                                                                                                                                                                     |
| <b>EUT Function Description:</b> | Please refer to the manual                                                                                                                                                                                                                     |
| <b>Power Supply:</b>             | DC 4.2V                                                                                                                                                                                                                                        |
| <b>Hardware Version:</b>         | NA                                                                                                                                                                                                                                             |
| <b>Software Version:</b>         | NA                                                                                                                                                                                                                                             |
| <b>Radio Specification:</b>      | IEEE802.11b/g/n                                                                                                                                                                                                                                |
| <b>Operation Frequency:</b>      | IEEE 802.11b: 2412MHz—2462MHz<br>IEEE 802.11g: 2412MHz—2462MHz<br>IEEE 802.11n HT20: 2412MHz—2462MHz<br>IEEE 802.11n HT40: 2422MHz—2452MHz                                                                                                     |
| <b>Modulation:</b>               | IEEE 802.11b: DSSS (CCK, DQPSK, DBPSK)<br>IEEE 802.11g: OFDM (64QAM, 16QAM, QPSK, BPSK)<br>IEEE 802.11n (HT20/40): OFDM (64QAM, 16QAM, QPSK, BPSK)                                                                                             |
| <b>Data Rate:</b>                | IEEE 802.11b: 1, 2, 5.5, 11 Mbps<br>IEEE 802.11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps<br>IEEE 802.11n HT20: 14.4, 28.9, 43.3, 57.8, 86.7, 115.6, 130.0, 144.4Mbps<br>IEEE 802.11n HT40: 30.0, 60.0, 90.0, 120.0, 180.0, 240.0, 270.0, 300.0 Mbps |
| <b>Antenna Type:</b>             | PCB Antenna1, MAX. Gain: 4.86 dBi<br>PCB Antenna2, MAX. Gain: 3.49 dBi                                                                                                                                                                         |

Note 1: EUT is the ab. of equipment under test.

Note 2: The antenna gain is declared by the customer and the laboratory is not responsible for the accuracy of the antenna gain.

### 4.2. Channel List

| Channel List for 802.11b/g/n (20 MHz) |                 |         |                 |         |                 |         |                 |
|---------------------------------------|-----------------|---------|-----------------|---------|-----------------|---------|-----------------|
| Channel                               | Frequency (MHz) | Channel | Frequency (MHz) | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
| 1                                     | 2412            | 4       | 2427            | 7       | 2442            | 10      | 2457            |
| 2                                     | 2417            | 5       | 2432            | 8       | 2447            | 11      | 2462            |
| 3                                     | 2422            | 6       | 2437            | 9       | 2452            | /       | /               |

| Channel List for 802.11n (40 MHz) |                 |         |                |         |                 |
|-----------------------------------|-----------------|---------|----------------|---------|-----------------|
| Channel                           | Frequency (MHz) | Channel | Frequency(MHz) | Channel | Frequency (MHz) |
| 3                                 | 2422            | 6       | 2437           | 9       | 2452            |
| 4                                 | 2427            | 7       | 2442           | /       | /               |
| 5                                 | 2432            | 8       | 2447           | /       | /               |

### 4.3. Test Channel Configuration

| Tested mode, channel and rand data rate information |                                |         |                 |
|-----------------------------------------------------|--------------------------------|---------|-----------------|
| Mode                                                | Data rate (Mbps)<br>(see Note) | Channel | Frequency (MHz) |

|              |       |             |      |
|--------------|-------|-------------|------|
| 802.11b      | 1     | Low: CH1    | 2412 |
|              | 1     | Middle: CH6 | 2437 |
|              | 1     | High: CH11  | 2462 |
| 802.11g      | 6     | Low: CH1    | 2412 |
|              | 6     | Middle: CH6 | 2437 |
|              | 6     | High: CH11  | 2462 |
| 802.11n HT20 | MCS 8 | Low: CH1    | 2412 |
|              | MCS 8 | Middle: CH6 | 2437 |
|              | MCS 8 | High: CH11  | 2462 |
| 802.11n HT40 | MCS 8 | Low: CH3    | 2422 |
|              | MCS 8 | Middle: CH6 | 2437 |
|              | MCS 8 | High: CH9   | 2452 |

Note: According exploratory test, EUT will have maximum output power in those data rate, so those data rate were used for all test.

#### 4.4. Test environment conditions

During the measurement the environmental conditions were within the listed ranges:

|                    |            |
|--------------------|------------|
| Temperature range: | 21-25 °C   |
| Humidity range:    | 40-75%     |
| Pressure range:    | 86-106 kPa |

#### 4.5. Description of Available Antennas

| The Worse Case Power Setting Parameter under 2400 ~ 2483.5MHz Band |                         |                             |      |      |
|--------------------------------------------------------------------|-------------------------|-----------------------------|------|------|
| Test Software                                                      |                         | Scrcpy                      |      |      |
| Modulation Mode                                                    | Transmit Antenna Number | Test Software Setting Value |      |      |
|                                                                    |                         | Channel                     | ANT1 | ANT2 |
| 802.11b                                                            | 2                       | CH1                         | 21   | 23   |
|                                                                    |                         | CH6                         | 21   | 22   |
|                                                                    |                         | CH11                        | 21   | 22   |
| 802.11g                                                            | 2                       | CH1                         | 15   | 16   |
|                                                                    |                         | CH6                         | 15   | 16   |
|                                                                    |                         | CH11                        | 15   | 16   |
| 802.11HT20                                                         | 2                       | CH1                         | 13   | 13   |
|                                                                    |                         | CH6                         | 13   | 13   |
|                                                                    |                         | CH11                        | 13   | 13   |
| 802.11n HT40                                                       | 2                       | CH3                         | 13   | 13   |
|                                                                    |                         | CH6                         | 13   | 13   |
|                                                                    |                         | CH9                         | 13   | 13   |

#### 4.6. Description of Available Antennas

| Test Mode | Transmit and Receive Mode                    | Description                                                   |
|-----------|----------------------------------------------|---------------------------------------------------------------|
| 802.11b   | <input checked="" type="checkbox"/> 2TX, 2RX | ANT 1 and ANT2 can be used as transmitting/receiving antenna. |
| 802.11g   | <input checked="" type="checkbox"/> 2TX, 2RX | ANT 1 and ANT2 can be used as transmitting/receiving antenna. |

|                                                                                                                                       |                                              |                                                               |
|---------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------------------------------------------|
| 802.11n HT20                                                                                                                          | <input checked="" type="checkbox"/> 2TX, 2RX | ANT 1 and ANT2 can be used as transmitting/receiving antenna. |
| 802.11n HT40                                                                                                                          | <input checked="" type="checkbox"/> 2TX, 2RX | ANT 1 and ANT2 can be used as transmitting/receiving antenna. |
| Note:<br>1. Only 802.11n HT20/HT40 support MIMO mode<br>2. WLAN 2.4 GHz & WLAN 5G can't transmit simultaneously. (declared by client) |                                              |                                                               |

## 5. Description of Test Setup

### 5.1. Accessory

| Description of Accessories | Manufacturer | Model Number | Description | Remark |
|----------------------------|--------------|--------------|-------------|--------|
| /                          | /            | /            | /           | /      |

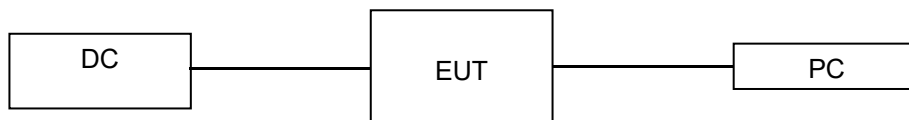
### 5.2. Support Equipment

| Equipment | Brand Name | Model Name | P/N |
|-----------|------------|------------|-----|
| PC        | Lenovo     | T480       | /   |

### 5.3. Test Setup

The EUT can work in Fixed Frequency mode.

### 5.4. Setup Diagram for Tests



## 6. Measurement Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

| Test Item                                                                                                                                        | Uncertainty |
|--------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| AC Power Conduction emission                                                                                                                     | 1.37 dB     |
| All Radiated emissions                                                                                                                           | 5.4dB       |
| Conducted emissions                                                                                                                              | 3.09 dB     |
| Occupied Channel Bandwidth                                                                                                                       | 1.1%        |
| Conducted Output power                                                                                                                           | 0.82dB      |
| Power Spectral Density                                                                                                                           | 0.82dB      |
| Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95 % confidence level using a coverage factor of k = 2. |             |

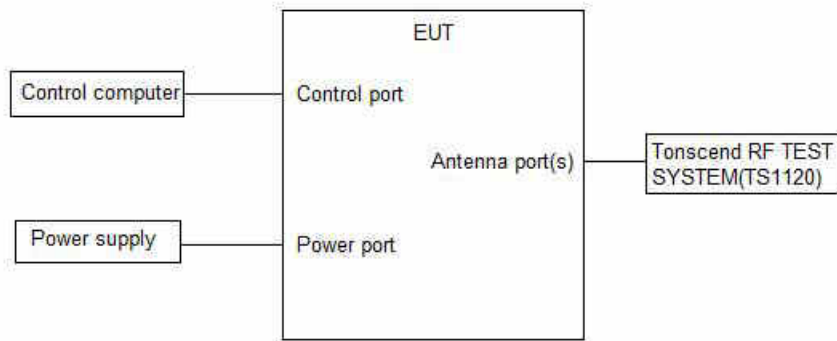
## 7. Measuring Instrument and Software Used

| TS Test System                      |                            |              |                               |             |               |               |
|-------------------------------------|----------------------------|--------------|-------------------------------|-------------|---------------|---------------|
| Used                                | Equipment                  | Manufacturer | Model No.                     | Serial No.  | Last Cal.     | Due. Date     |
| <input checked="" type="checkbox"/> | Spectrum Analyzer          | Keysight     | N9030B                        | MY56320512  | Aug. 22, 2024 | Aug. 21, 2025 |
| <input checked="" type="checkbox"/> | Vector Signal Generator    | Keysight     | N5182B                        | MY57300334  | Aug. 22, 2024 | Aug. 21, 2025 |
| <input checked="" type="checkbox"/> | Signal Generator           | Keysight     | N5171B                        | MY57280639  | Aug. 22, 2024 | Aug. 21, 2025 |
| <input checked="" type="checkbox"/> | DC POWER                   | Keysight     | E342A                         | MY59020356  | Aug. 29, 2024 | Aug. 28, 2025 |
| <input checked="" type="checkbox"/> | Incubator thermometer      | GWS          | EL-02JA                       | 21107288    | Aug. 15, 2024 | Aug. 14, 2025 |
| <input checked="" type="checkbox"/> | Control unit(Power sensor) | Tonscend     | JS0806-2                      | /           | Aug. 23, 2024 | Aug. 22, 2025 |
| <input checked="" type="checkbox"/> | Spectrum Analyzer          | Keysight     | N9020B                        | MY60112206  | Sep. 11, 2024 | Sep. 10, 2025 |
| <input checked="" type="checkbox"/> | Control unit(Power sensor) | Tonscend     | JS0806-2                      | 21H8060465  | Aug. 22, 2024 | Aug. 21, 2025 |
| <input checked="" type="checkbox"/> | Spectrum Analyzer          | Keysight     | N9020B                        | MY60112811  | Aug. 23, 2024 | Aug. 22, 2025 |
| <input checked="" type="checkbox"/> | Signal Generator           | Keysight     | N5173B                        | MY62220145  | Aug. 23, 2024 | Aug. 22, 2025 |
| <input checked="" type="checkbox"/> | Vector Signal Generator    | Keysight     | N5182B                        | MY61252859  | Aug. 22, 2024 | Aug. 21, 2025 |
| <input checked="" type="checkbox"/> | DC POWER                   | Keysight     | E3642A                        | MY40005294  | Aug. 30, 2024 | Aug. 29, 2025 |
| <input checked="" type="checkbox"/> | Control unit(Power sensor) | Tonscend     | JS0806-2                      | 24F80620865 | Aug. 23, 2024 | Aug. 22, 2025 |
| Software                            |                            |              |                               |             |               |               |
| Used                                | Description                | Manufacturer | Name                          |             | Version       |               |
| <input checked="" type="checkbox"/> | Test software              | Tonscend     | JS1120-3                      |             | V3.3.10       |               |
| RSE Test System                     |                            |              |                               |             |               |               |
| Used                                | Equipment                  | Manufacturer | Model No.                     | Serial No.  | Last Cal.     | Due. Date     |
| <input checked="" type="checkbox"/> | EMI Receiver               | R&S          | ESR26                         | 101424      | Sep. 14, 2024 | Sep. 13, 2025 |
| <input checked="" type="checkbox"/> | Hybrid Antenna             | Schwarzbeck  | VULB9163                      | 01416       | May. 22, 2024 | May. 21, 2025 |
| <input checked="" type="checkbox"/> | Horn Antenna 1             | Schwarzbeck  | BBHA 9120 D                   | 02910       | Sep. 11, 2024 | Sep. 10, 2025 |
| <input checked="" type="checkbox"/> | Horn Antenna 2             | ETS          | BBHA 9170                     | 1090        | Sep. 11, 2024 | Sep. 10, 2025 |
| <input checked="" type="checkbox"/> | loop-antenna               | Schwarzbeck  | FMZB 1513-60                  | 00030       | Jan. 12, 2025 | Jan. 11, 2026 |
| <input checked="" type="checkbox"/> | Test path                  | /            | Path2: WIFI-2.4G 1-3GHz       | /           | Aug. 23, 2024 | Aug. 22, 2025 |
| <input checked="" type="checkbox"/> | Test path                  | /            | Path7: ALL PASS 1-18GHz       | /           | Aug. 23, 2024 | Aug. 22, 2025 |
| <input checked="" type="checkbox"/> | Test path                  | /            | Path9: 3GHz High PASS 3-18GHz | /           | Aug. 23, 2024 | Aug. 22, 2025 |
| <input checked="" type="checkbox"/> | Test path                  | /            | Path16: 30MHz-1GHz ALL PASS   | /           | Aug. 23, 2024 | Aug. 22, 2025 |

|                                           |                           |              |           |            |               |               |
|-------------------------------------------|---------------------------|--------------|-----------|------------|---------------|---------------|
|                                           |                           |              | NO AMP    |            |               |               |
| ☑                                         | Signal Pre-Amplifier      | ETS          | 3116C-PA  | 00217677   | Sep. 06, 2024 | Sep. 05, 2025 |
| ☑                                         | 3m Fully-anechoic Chamber | YIHENG       | 9m*6m*6m  | 001        | Sep. 05, 2023 | Sep. 04, 2026 |
| Software                                  |                           |              |           |            |               |               |
| Used                                      | Description               | Manufacturer | Name      |            | Version       |               |
| ☑                                         | Test software             | Tonscend     | TS+       |            | V5.0.0.0      |               |
| Conducted Emission Test For AC Power Port |                           |              |           |            |               |               |
| Used                                      | Equipment                 | Manufacturer | Model No. | Serial No. | Last Cal.     | Due. Date     |
| ☑                                         | LISN                      | R&S          | ENV216    | 102509     | Aug. 22, 2024 | Aug. 21, 2025 |
| ☑                                         | EMI Receiver              | R&S          | ESR       | 102154     | Aug. 22, 2024 | Aug. 21, 2025 |
| Software                                  |                           |              |           |            |               |               |
| Used                                      | Description               | Manufacturer | Name      |            | Version       |               |
| ☑                                         | Test software             | EZ           | EZ-EMC    |            | EMEC-3A1      |               |
| Other Instrument                          |                           |              |           |            |               |               |
| Used                                      | Equipment                 | Manufacturer | Model No. | Serial No. | Last Cal.     | Due. Date     |
| ☑                                         | Temperature & Humidity    | Temperature  | HTC-1     | /          | Sep. 04, 2024 | Sep. 03, 2025 |

## 8. On Time and Duty Cycle

### 8.1. Block diagram of test setup



### 8.2. Limits

None; for reporting purposes only

### 8.3. Procedure

KDB 558074 Zero-Span Spectrum Analyzer Method

### 8.4. Results

| Test Mode | Ant. | Freq. (MHz) | Transmission Duration (ms) | Transmission Period (ms) | Duty Cycle (%) |
|-----------|------|-------------|----------------------------|--------------------------|----------------|
| 11B       | Ant1 | 2412        | 8.38                       | 8.41                     | 99.64          |
|           | Ant2 | 2412        | 8.38                       | 8.41                     | 99.64          |
|           | Ant1 | 2437        | 8.39                       | 8.42                     | 99.64          |
|           | Ant2 | 2437        | 8.38                       | 8.41                     | 99.64          |
|           | Ant1 | 2462        | 8.39                       | 8.42                     | 99.64          |
|           | Ant2 | 2462        | 8.38                       | 8.41                     | 99.64          |
| 11G       | Ant1 | 2412        | 1.39                       | 1.43                     | 97.20          |
|           | Ant2 | 2412        | 1.39                       | 1.42                     | 97.89          |
|           | Ant1 | 2437        | 1.39                       | 1.42                     | 97.89          |
|           | Ant2 | 2437        | 1.39                       | 1.43                     | 97.20          |
|           | Ant1 | 2462        | 1.39                       | 1.43                     | 97.20          |
|           | Ant2 | 2462        | 1.39                       | 1.43                     | 97.20          |
| 11N20MIMO | Ant1 | 2412        | 1.29                       | 1.33                     | 96.99          |
|           | Ant2 | 2412        | 1.29                       | 1.33                     | 96.99          |
|           | Ant1 | 2437        | 1.29                       | 1.33                     | 96.99          |
|           | Ant2 | 2437        | 1.29                       | 1.32                     | 97.73          |
|           | Ant1 | 2462        | 1.29                       | 1.32                     | 97.73          |
|           | Ant2 | 2462        | 1.29                       | 1.32                     | 97.73          |
| 11N40MIMO | Ant1 | 2422        | 0.63                       | 0.67                     | 94.03          |
|           | Ant2 | 2422        | 1.40                       | 1.43                     | 97.90          |
|           | Ant1 | 2437        | 0.64                       | 0.67                     | 95.52          |
|           | Ant2 | 2437        | 0.64                       | 0.67                     | 95.52          |
|           | Ant1 | 2452        | 0.64                       | 0.67                     | 95.52          |
|           | Ant2 | 2452        | 0.64                       | 0.67                     | 95.52          |

Note: Duty Cycle Correction Factor =  $10\log(1/x)$ .

Where: x is Duty Cycle (Linear)

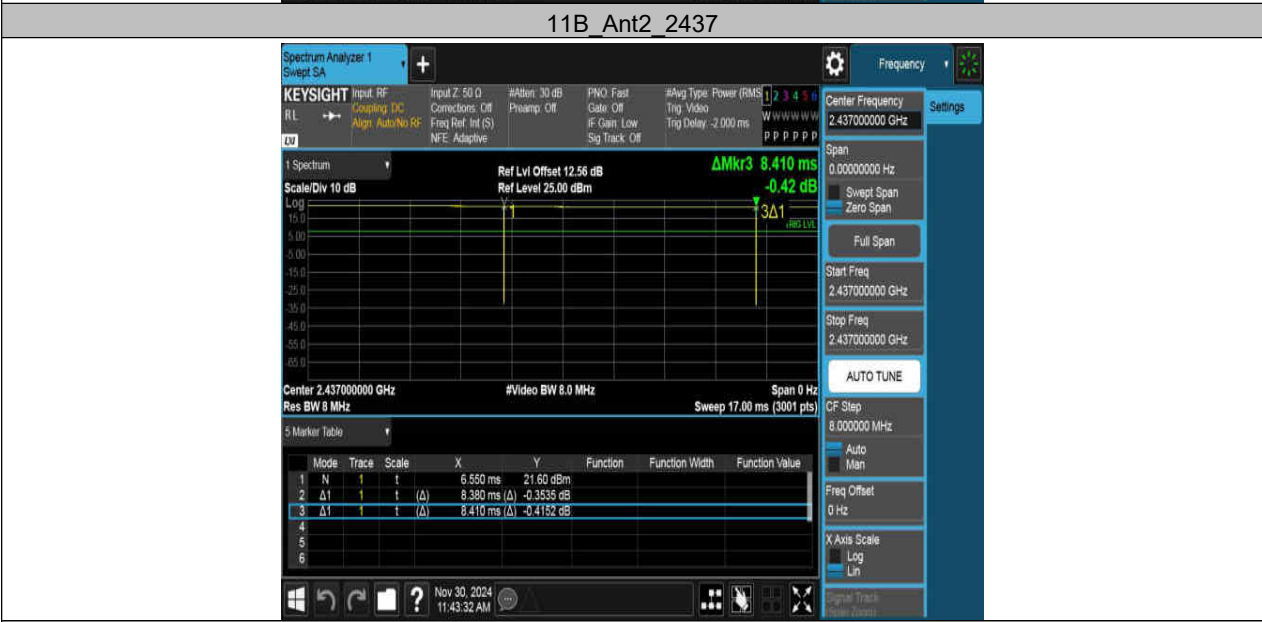
Where: T is On Time

If that calculated VBW is not available on the analyzer, then the next higher value should be used.

For mode 11b, the duty cycle is greater than 98 %, so it can set VBW to 10 Hz.

8.5. Original test data

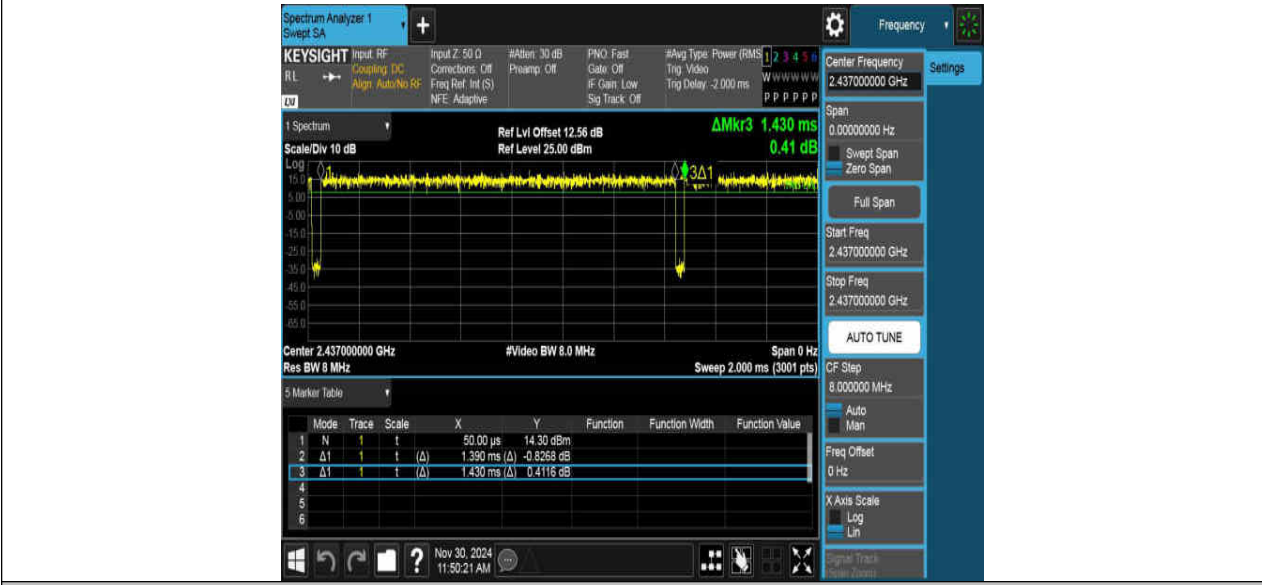








11G\_Ant2\_2437



11G\_Ant1\_2462



11G\_Ant2\_2462





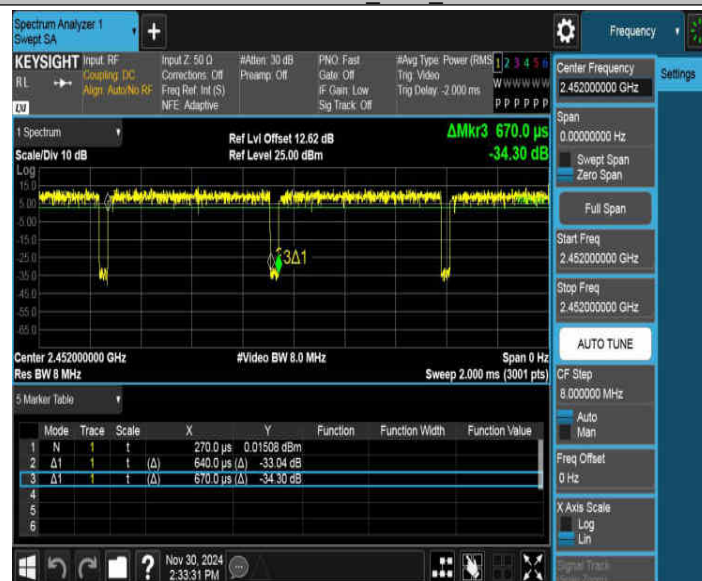




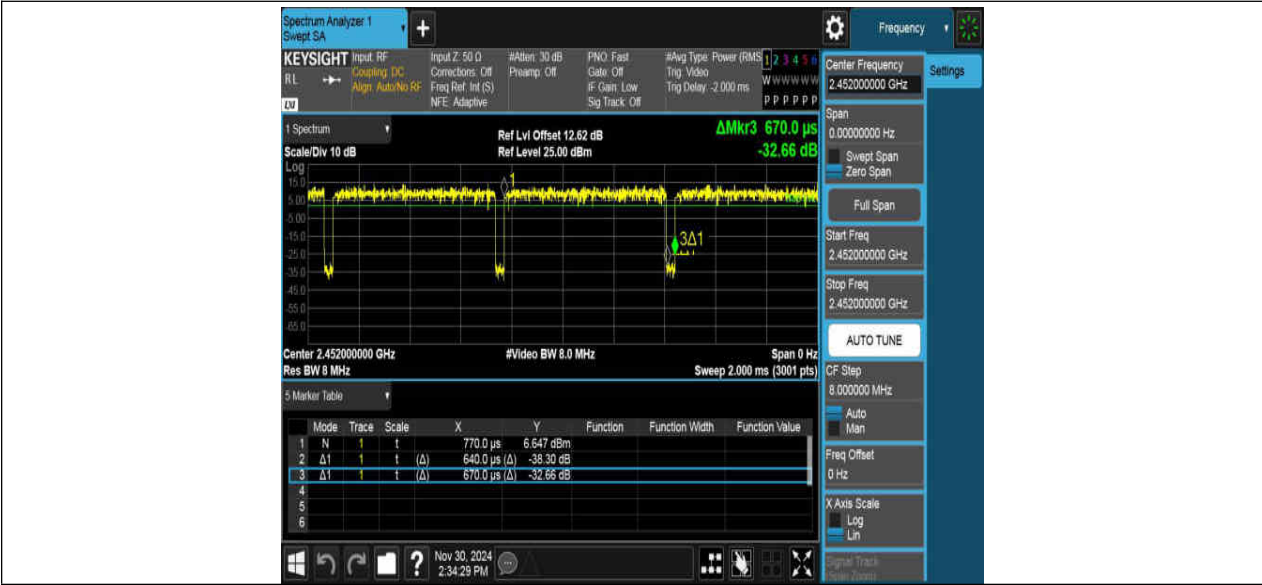
11N40MIMO\_Ant2\_2437



11N40MIMO\_Ant1\_2452



11N40MIMO Ant2 2452



## 9. 6 dB DTS Bandwidth

### 9.1. Block diagram of test setup

Same as section 8.1

### 9.2. Limits

| CFR 47 FCC Part15 (15.247) Subpart C |                |                |                       |
|--------------------------------------|----------------|----------------|-----------------------|
| Section                              | Test Item      | Limit          | Frequency Range (MHz) |
| CFR 47 FCC 15.247(a)(2)              | 6 dB Bandwidth | $\geq 500$ kHz | 2400-2483.5           |

### 9.3. Test Procedure

Connect the UUT to the spectrum analyzer and use the following settings:

|                  |                                                                                                  |
|------------------|--------------------------------------------------------------------------------------------------|
| Center Frequency | The center frequency of the channel under test                                                   |
| Detector         | Peak                                                                                             |
| RBW              | For 6 dB Bandwidth :100 kHz<br>For 99 % Occupied Bandwidth :1 % to 5 % of the occupied bandwidth |
| VBW              | For 6 dB Bandwidth: $\geq 3 \times$ RBW<br>For 99 % Occupied Bandwidth : $\geq 3 \times$ RBW     |
| Trace            | Max hold                                                                                         |
| Sweep            | Auto couple                                                                                      |

Allow the trace to stabilize and measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB and 99 % relative to the maximum level measured in the fundamental emission.

### 9.4. Results

6dB bandwidth:

| Test Mode | Ant. | Freq. (MHz) | DTS BW (MHz) | FL (MHz) | FH (MHz) | Limit (MHz) | Verdict |
|-----------|------|-------------|--------------|----------|----------|-------------|---------|
| 11B       | Ant1 | 2412        | 9.560        | 2407.000 | 2416.560 | 0.5         | PASS    |
|           | Ant2 | 2412        | 9.000        | 2407.040 | 2416.040 | 0.5         | PASS    |
|           | Ant1 | 2437        | 8.560        | 2432.480 | 2441.040 | 0.5         | PASS    |
|           | Ant2 | 2437        | 8.520        | 2432.520 | 2441.040 | 0.5         | PASS    |
|           | Ant1 | 2462        | 8.520        | 2458.040 | 2466.560 | 0.5         | PASS    |
|           | Ant2 | 2462        | 9.040        | 2458.000 | 2467.040 | 0.5         | PASS    |
| 11G       | Ant1 | 2412        | 15.720       | 2403.880 | 2419.600 | 0.5         | PASS    |
|           | Ant2 | 2412        | 15.680       | 2403.880 | 2419.560 | 0.5         | PASS    |
|           | Ant1 | 2437        | 13.920       | 2429.760 | 2443.680 | 0.5         | PASS    |
|           | Ant2 | 2437        | 16.280       | 2428.880 | 2445.160 | 0.5         | PASS    |
|           | Ant1 | 2462        | 15.520       | 2454.240 | 2469.760 | 0.5         | PASS    |
|           | Ant2 | 2462        | 15.680       | 2454.520 | 2470.200 | 0.5         | PASS    |
| 11N20MIMO | Ant1 | 2412        | 16.280       | 2403.240 | 2419.520 | 0.5         | PASS    |
|           | Ant2 | 2412        | 16.320       | 2403.240 | 2419.560 | 0.5         | PASS    |
|           | Ant1 | 2437        | 14.080       | 2430.480 | 2444.560 | 0.5         | PASS    |
|           | Ant2 | 2437        | 16.880       | 2428.240 | 2445.120 | 0.5         | PASS    |
|           | Ant1 | 2462        | 16.920       | 2453.240 | 2470.160 | 0.5         | PASS    |
|           | Ant2 | 2462        | 13.800       | 2456.360 | 2470.160 | 0.5         | PASS    |
| 11N40MIMO | Ant1 | 2422        | 35.120       | 2404.480 | 2439.600 | 0.5         | PASS    |
|           | Ant2 | 2422        | 23.840       | 2414.480 | 2438.320 | 0.5         | PASS    |
|           | Ant1 | 2437        | 33.840       | 2420.680 | 2454.520 | 0.5         | PASS    |
|           | Ant2 | 2437        | 35.040       | 2419.480 | 2454.520 | 0.5         | PASS    |
|           | Ant1 | 2452        | 35.040       | 2434.480 | 2469.520 | 0.5         | PASS    |

|  |      |      |        |          |          |     |      |
|--|------|------|--------|----------|----------|-----|------|
|  | Ant2 | 2452 | 35.040 | 2434.480 | 2469.520 | 0.5 | PASS |
|--|------|------|--------|----------|----------|-----|------|

99 % bandwidth:

| Test Mode | Ant. | Channel Freq. (MHz) | OCB (MHz) | FL (MHz)  | FH (MHz)  | Limit (MHz) | Verdict |
|-----------|------|---------------------|-----------|-----------|-----------|-------------|---------|
| 11B       | Ant1 | 2412                | 13.877    | 2404.9076 | 2418.7846 | ---         | ---     |
|           | Ant2 | 2412                | 13.700    | 2404.9574 | 2418.6574 | ---         | ---     |
|           | Ant1 | 2437                | 13.400    | 2430.2647 | 2443.6647 | ---         | ---     |
|           | Ant2 | 2437                | 13.442    | 2430.1484 | 2443.5904 | ---         | ---     |
|           | Ant1 | 2462                | 13.233    | 2455.4573 | 2468.6903 | ---         | ---     |
|           | Ant2 | 2462                | 13.214    | 2455.6087 | 2468.8227 | ---         | ---     |
| 11G       | Ant1 | 2412                | 16.991    | 2403.4636 | 2420.4546 | ---         | ---     |
|           | Ant2 | 2412                | 16.913    | 2403.4242 | 2420.3372 | ---         | ---     |
|           | Ant1 | 2437                | 16.790    | 2428.6558 | 2445.4458 | ---         | ---     |
|           | Ant2 | 2437                | 17.050    | 2428.4529 | 2445.5029 | ---         | ---     |
|           | Ant1 | 2462                | 16.771    | 2453.6084 | 2470.3794 | ---         | ---     |
|           | Ant2 | 2462                | 16.793    | 2453.7236 | 2470.5166 | ---         | ---     |
| 11N20MIMO | Ant1 | 2412                | 17.893    | 2403.1272 | 2421.0202 | ---         | ---     |
|           | Ant2 | 2412                | 17.799    | 2403.0642 | 2420.8632 | ---         | ---     |
|           | Ant1 | 2437                | 17.814    | 2428.0752 | 2445.8892 | ---         | ---     |
|           | Ant2 | 2437                | 17.811    | 2428.0305 | 2445.8415 | ---         | ---     |
|           | Ant1 | 2462                | 17.731    | 2453.0887 | 2470.8197 | ---         | ---     |
|           | Ant2 | 2462                | 17.655    | 2453.2136 | 2470.8686 | ---         | ---     |
| 11N40MIMO | Ant1 | 2422                | 36.129    | 2403.8108 | 2439.9398 | ---         | ---     |
|           | Ant2 | 2422                | 36.087    | 2404.0757 | 2440.1627 | ---         | ---     |
|           | Ant1 | 2437                | 35.911    | 2419.1828 | 2455.0938 | ---         | ---     |
|           | Ant2 | 2437                | 36.248    | 2418.7957 | 2455.0437 | ---         | ---     |
|           | Ant1 | 2452                | 36.356    | 2433.7609 | 2470.1169 | ---         | ---     |
|           | Ant2 | 2452                | 36.019    | 2433.9945 | 2470.0135 | ---         | ---     |

## 9.5. Original test data

6dB bandwidth:







11B\_Ant2\_2462



11G\_Ant1\_2412



11G\_Ant2\_2412













11N40MIMO\_Ant2\_2452



99 % bandwidth:

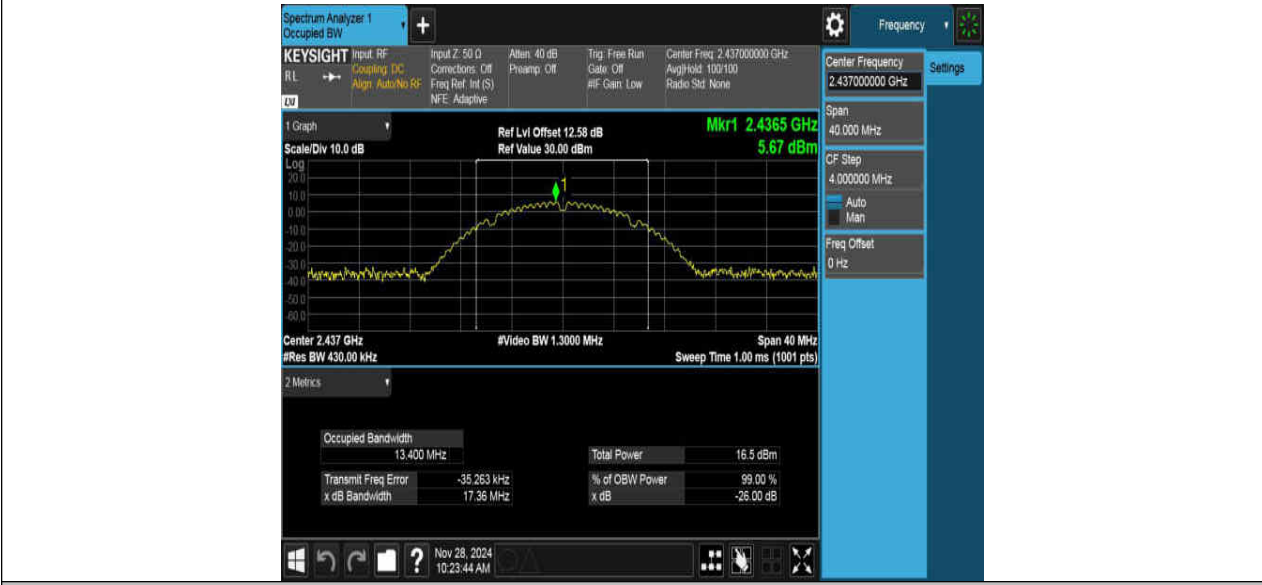
11B\_Ant1\_2412



11B\_Ant2\_2412



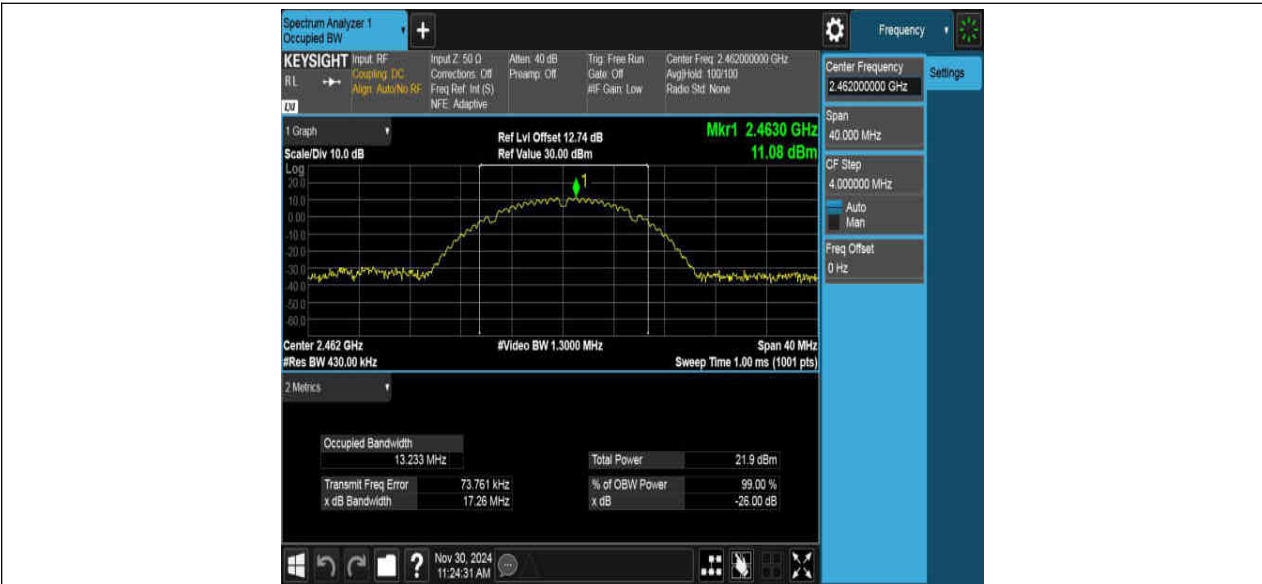
11B\_Ant1\_2437



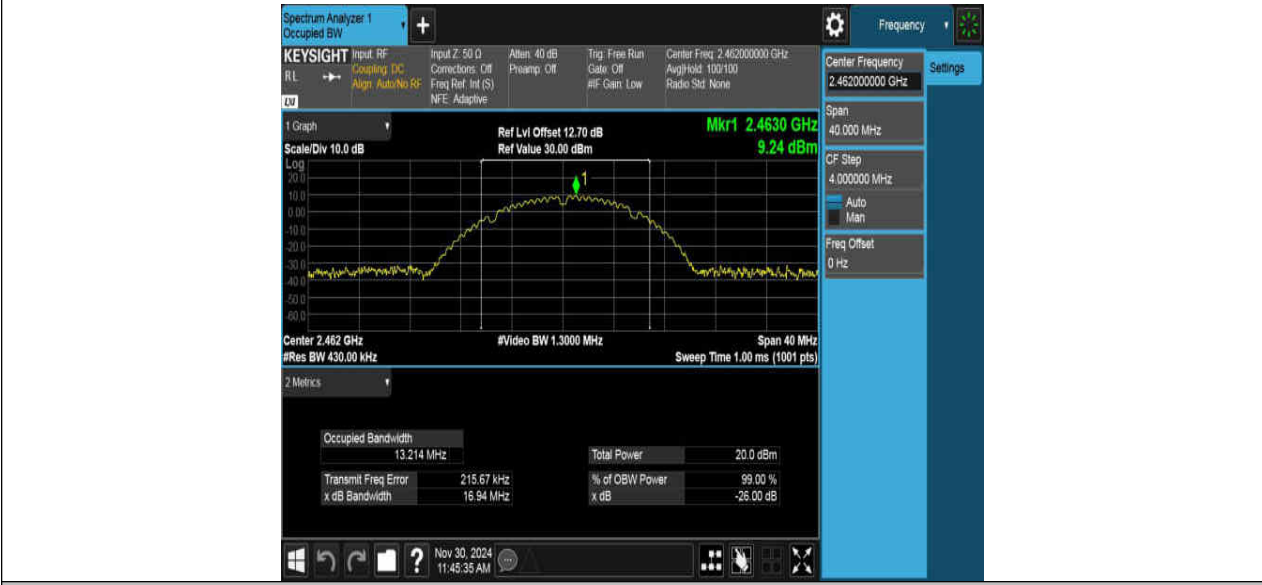
11B\_Ant2\_2437



11B\_Ant1\_2462



11B\_Ant2\_2462



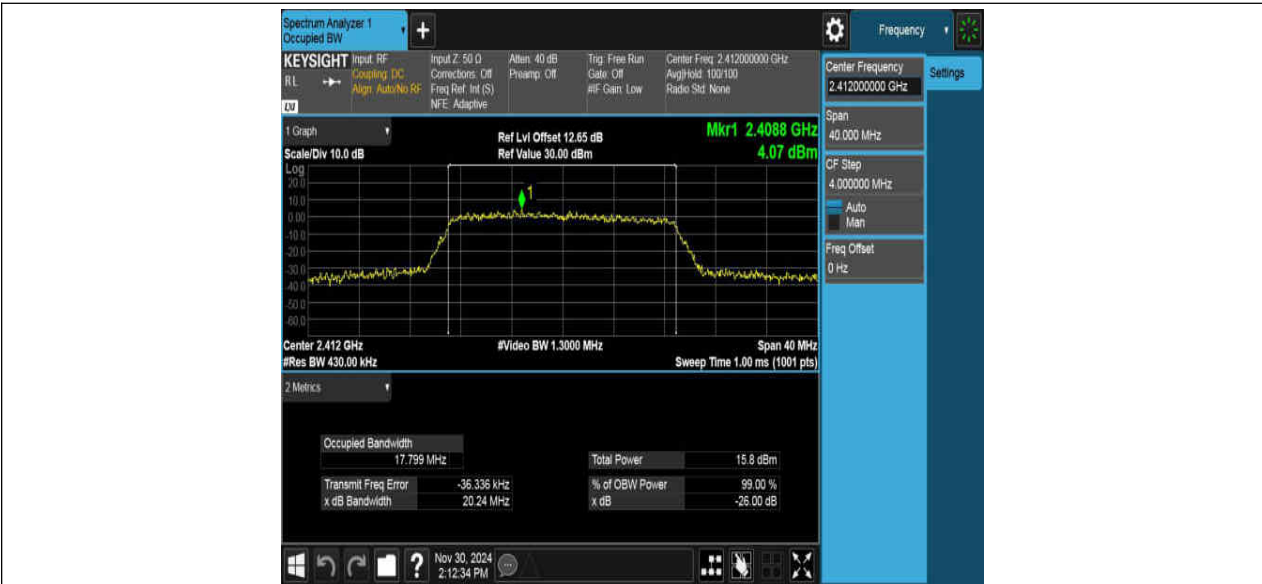
11G\_Ant1\_2412



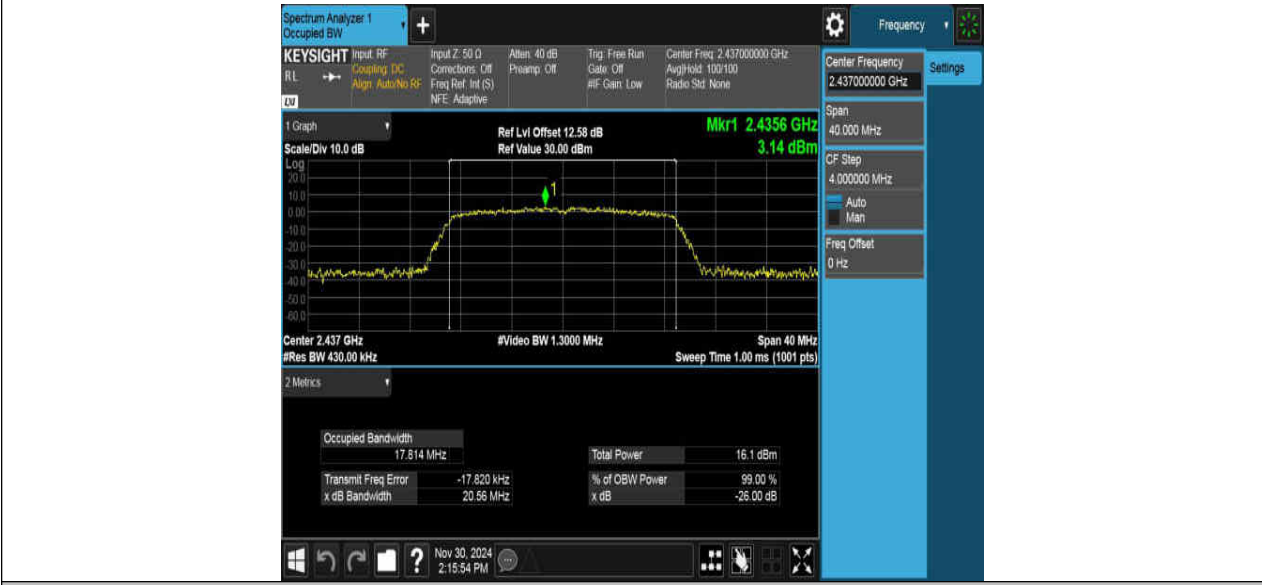
11G\_Ant2\_2412







11N20MIMO\_Ant1\_2437



11N20MIMO\_Ant2\_2437



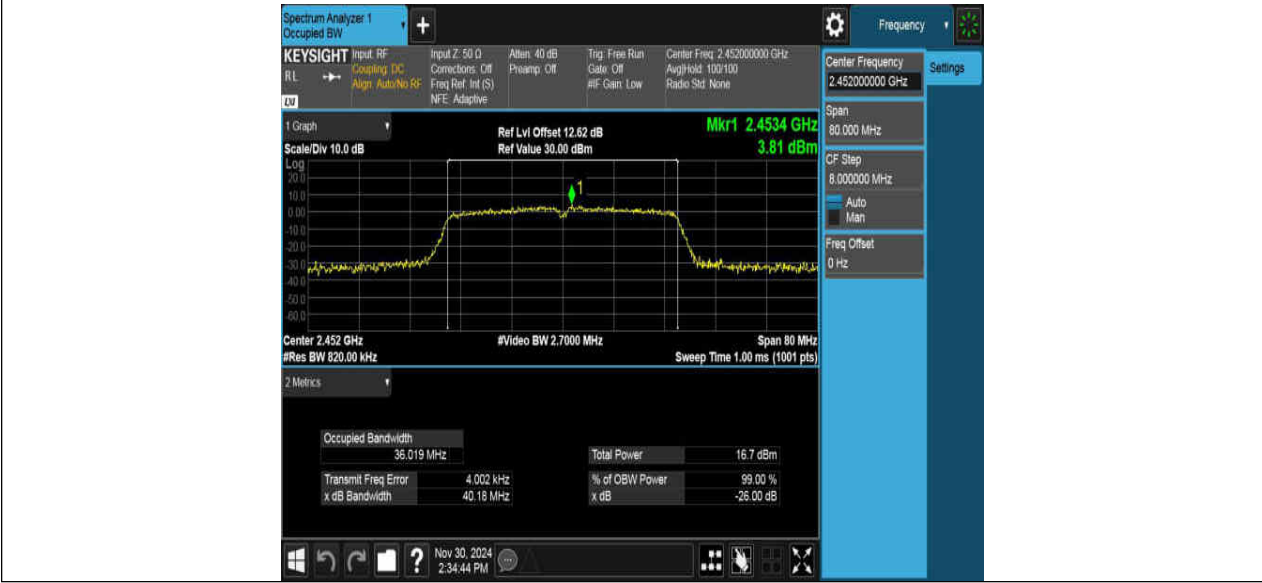
11N20MIMO\_Ant1\_2462







11N40MIMO\_Ant2\_2452



## 10. Conducted Output Power

### 10.1. Block diagram of test setup

Same as section 8.1

### 10.2. Limits

| CFR 47 FCC Part15 (15.247) Subpart C |                   |                  |                       |
|--------------------------------------|-------------------|------------------|-----------------------|
| Section                              | Test Item         | Limit            | Frequency Range (MHz) |
| CFR 47 FCC 15.247(b)(3)              | Peak Output Power | 1 watt or 30 dBm | 2400-2483.5           |

### 10.3. Test Procedure

Place the EUT on the table and set it in the transmitting mode.

Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the Power sensor.

Measure peak power each channel.

Peak Detector use for Peak result.

AVG Detector use for AVG result.

### 10.4. Results

| Test Mode | Ant.  | Freq. (MHz) | Peak Power (dBm) | Conducted Limit (dBm) | Verdict |
|-----------|-------|-------------|------------------|-----------------------|---------|
| 11B       | Ant1  | 2412        | 19.96            | ≤30.00                | PASS    |
|           | Ant2  | 2412        | 20.34            | ≤30.00                | PASS    |
|           | Ant1  | 2437        | 20.19            | ≤30.00                | PASS    |
|           | Ant2  | 2437        | 19.21            | ≤30.00                | PASS    |
|           | Ant1  | 2462        | 21.55            | ≤30.00                | PASS    |
|           | Ant2  | 2462        | 21.42            | ≤30.00                | PASS    |
| 11G       | Ant1  | 2412        | 19.36            | ≤30.00                | PASS    |
|           | Ant2  | 2412        | 18.94            | ≤30.00                | PASS    |
|           | Ant1  | 2437        | 19.75            | ≤30.00                | PASS    |
|           | Ant2  | 2437        | 19.22            | ≤30.00                | PASS    |
|           | Ant1  | 2462        | 20.31            | ≤30.00                | PASS    |
|           | Ant2  | 2462        | 18.57            | ≤30.00                | PASS    |
| 11N20MIMO | Ant1  | 2412        | 15.44            | ≤30.00                | PASS    |
|           | Ant2  | 2412        | 16.35            | ≤30.00                | PASS    |
|           | total | 2412        | 18.93            | ≤30.00                | PASS    |
|           | Ant1  | 2437        | 16.59            | ≤30.00                | PASS    |
|           | Ant2  | 2437        | 16.90            | ≤30.00                | PASS    |
|           | total | 2437        | 19.76            | ≤30.00                | PASS    |
|           | Ant1  | 2462        | 18.01            | ≤30.00                | PASS    |
|           | Ant2  | 2462        | 16.70            | ≤30.00                | PASS    |
|           | total | 2462        | 20.41            | ≤30.00                | PASS    |
| 11N40MIMO | Ant1  | 2422        | 17.12            | ≤30.00                | PASS    |
|           | Ant2  | 2422        | 14.01            | ≤30.00                | PASS    |
|           | total | 2422        | 18.85            | ≤30.00                | PASS    |
|           | Ant1  | 2437        | 17.82            | ≤30.00                | PASS    |
|           | Ant2  | 2437        | 15.70            | ≤30.00                | PASS    |
|           | total | 2437        | 19.90            | ≤30.00                | PASS    |
|           | Ant1  | 2452        | 16.77            | ≤30.00                | PASS    |
|           | Ant2  | 2452        | 16.82            | ≤30.00                | PASS    |
|           | total | 2452        | 19.81            | ≤30.00                | PASS    |

## 11. Power Spectral Density

### 11.1. Block diagram of test setup

Same as section 8.1

### 11.2. Limits

| CFR 47 FCC Part15 (15.247) Subpart C |                        |             |                       |
|--------------------------------------|------------------------|-------------|-----------------------|
| Section                              | Test Item              | Limit       | Frequency Range (MHz) |
| CFR 47 FCC §15.247 (e)               | Power Spectral Density | 8 dBm/3 kHz | 2400-2483.5           |

### 11.3. Test Procedure

Connect the UUT to the spectrum analyzer and use the following settings:

|                  |                                                      |
|------------------|------------------------------------------------------|
| Center Frequency | The centre frequency of the channel under test       |
| Detector         | Peak                                                 |
| RBW              | $3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}$ |
| VBW              | $\geq 3 \times \text{RBW}$                           |
| Span             | 1.5 x DTS bandwidth                                  |
| Trace            | Max hold                                             |
| Sweep time       | Auto couple.                                         |

Allow trace to fully stabilize and use the peak marker function to determine the maximum amplitude level within the RBW.

If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

### 11.4. Results

| Test Mode | Ant.  | Freq. (MHz) | Result (dBm/3-100kHz) | Limit (dBm/3kHz) | Verdict |
|-----------|-------|-------------|-----------------------|------------------|---------|
| 11B       | Ant1  | 2412        | -12.77                | $\leq 8.00$      | PASS    |
|           | Ant2  | 2412        | -3.66                 | $\leq 8.00$      | PASS    |
|           | Ant1  | 2437        | -20.96                | $\leq 8.00$      | PASS    |
|           | Ant2  | 2437        | -1.87                 | $\leq 8.00$      | PASS    |
|           | Ant1  | 2462        | -20.61                | $\leq 8.00$      | PASS    |
|           | Ant2  | 2462        | -1.82                 | $\leq 8.00$      | PASS    |
| 11G       | Ant1  | 2412        | -20.18                | $\leq 8.00$      | PASS    |
|           | Ant2  | 2412        | -10.70                | $\leq 8.00$      | PASS    |
|           | Ant1  | 2437        | -18.06                | $\leq 8.00$      | PASS    |
|           | Ant2  | 2437        | -10.72                | $\leq 8.00$      | PASS    |
|           | Ant1  | 2462        | -19.08                | $\leq 8.00$      | PASS    |
|           | Ant2  | 2462        | -11.33                | $\leq 8.00$      | PASS    |
| 11N20MIMO | Ant1  | 2412        | -21.36                | $\leq 8.00$      | PASS    |
|           | Ant2  | 2412        | -15.74                | $\leq 8.00$      | PASS    |
|           | total | 2412        | -14.69                | $\leq 8.00$      | PASS    |
|           | Ant1  | 2437        | -18.61                | $\leq 8.00$      | PASS    |
|           | Ant2  | 2437        | -13.28                | $\leq 8.00$      | PASS    |
|           | total | 2437        | -12.16                | $\leq 8.00$      | PASS    |
|           | Ant1  | 2462        | -16.89                | $\leq 8.00$      | PASS    |
|           | Ant2  | 2462        | -12.49                | $\leq 8.00$      | PASS    |
|           | total | 2462        | -11.14                | $\leq 8.00$      | PASS    |
| 11N40MIMO | Ant1  | 2422        | -16.46                | $\leq 8.00$      | PASS    |
|           | Ant2  | 2422        | -15.56                | $\leq 8.00$      | PASS    |
|           | total | 2422        | -12.98                | $\leq 8.00$      | PASS    |

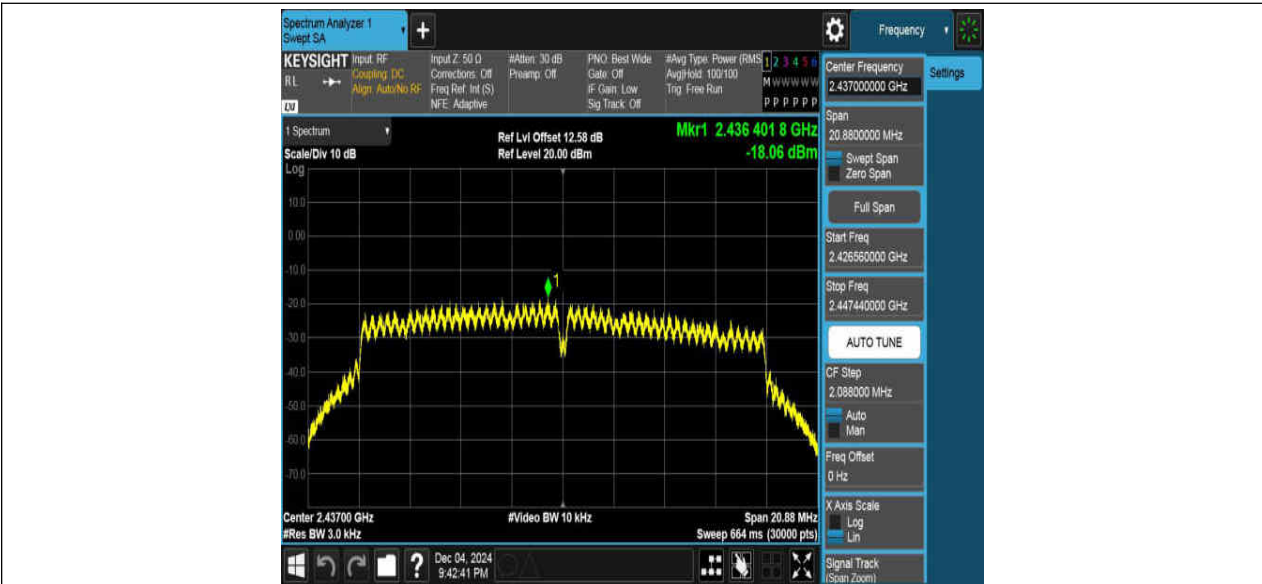
|  |       |      |        |       |      |
|--|-------|------|--------|-------|------|
|  | Ant1  | 2437 | -16.08 | ≤8.00 | PASS |
|  | Ant2  | 2437 | -15.64 | ≤8.00 | PASS |
|  | total | 2437 | -12.84 | ≤8.00 | PASS |
|  | Ant1  | 2452 | -17.70 | ≤8.00 | PASS |
|  | Ant2  | 2452 | -15.47 | ≤8.00 | PASS |
|  | total | 2452 | -13.43 | ≤8.00 | PASS |

### 11.5. Original test data





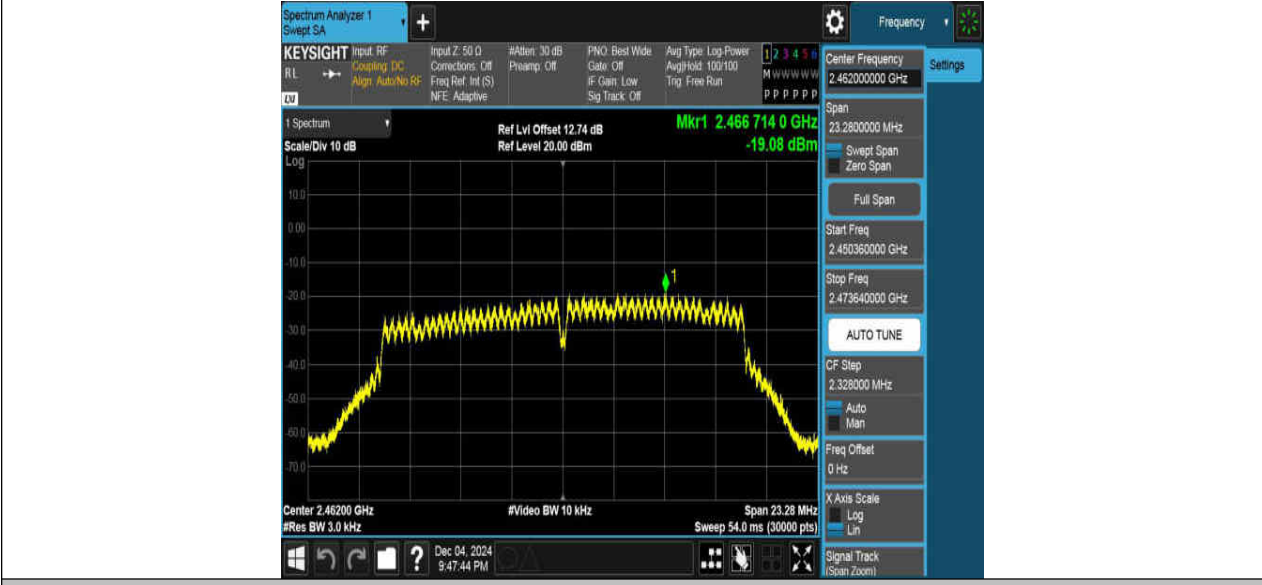




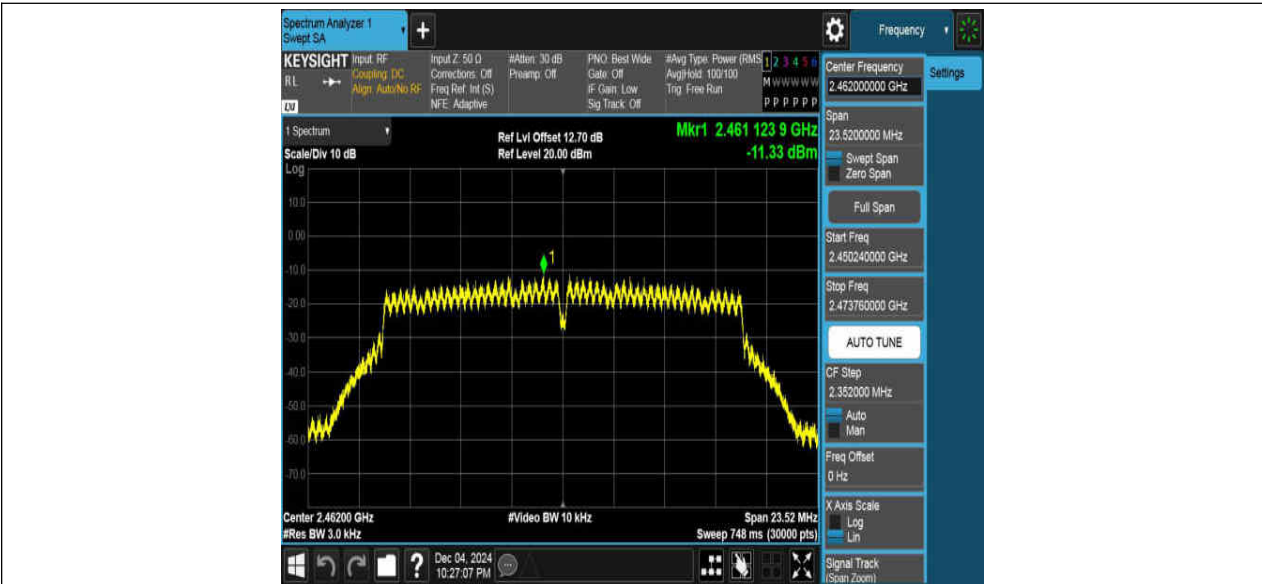
11G\_Ant2\_2437



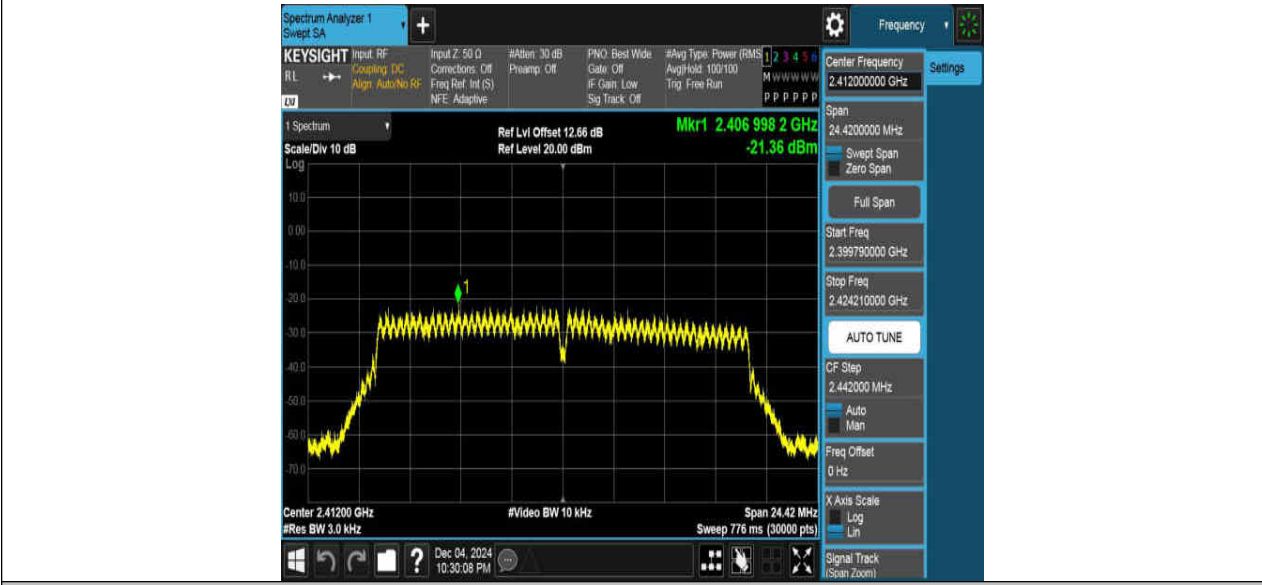
11G\_Ant1\_2462



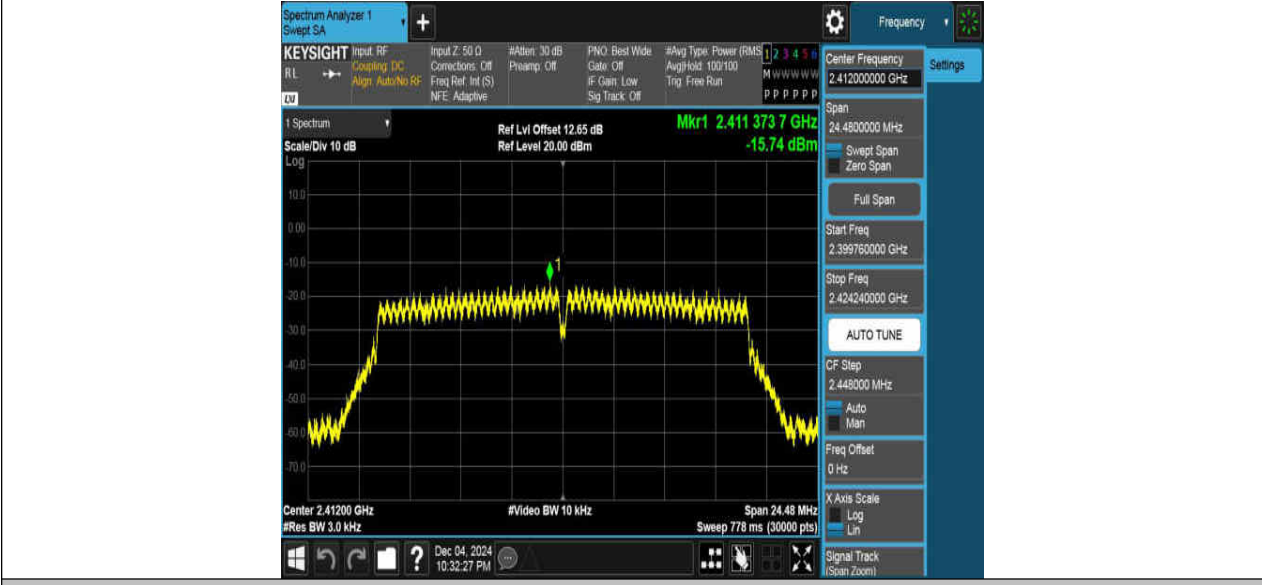
11G\_Ant2\_2462



11N20MIMO\_Ant1\_2412



11N20MIMO\_Ant2\_2412



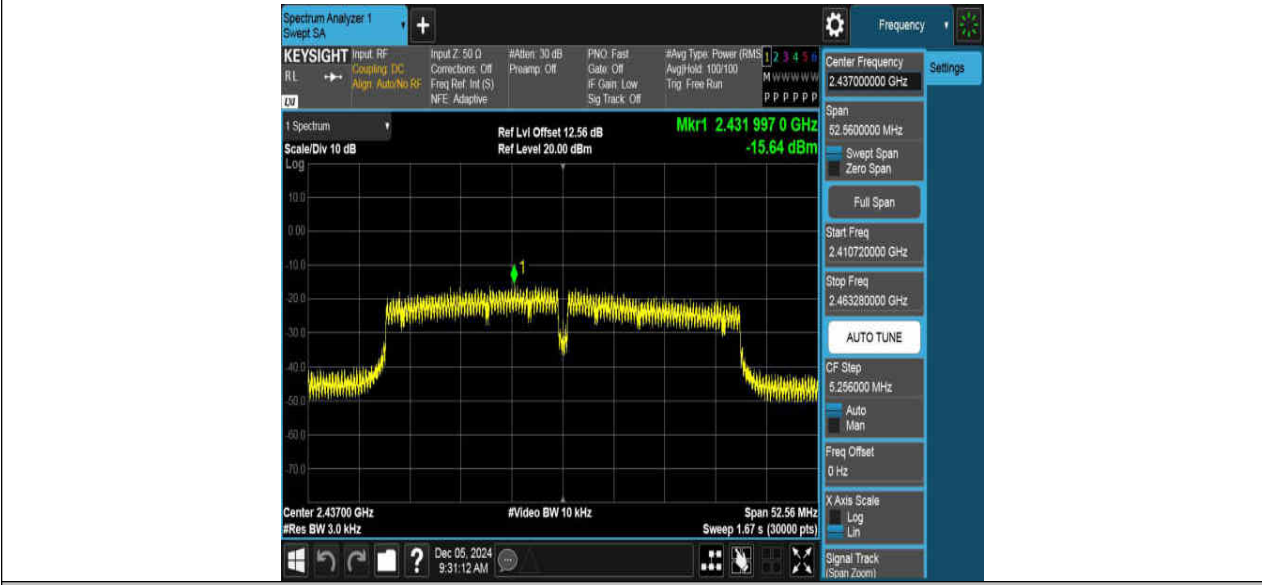
11N20MIMO\_Ant1\_2437



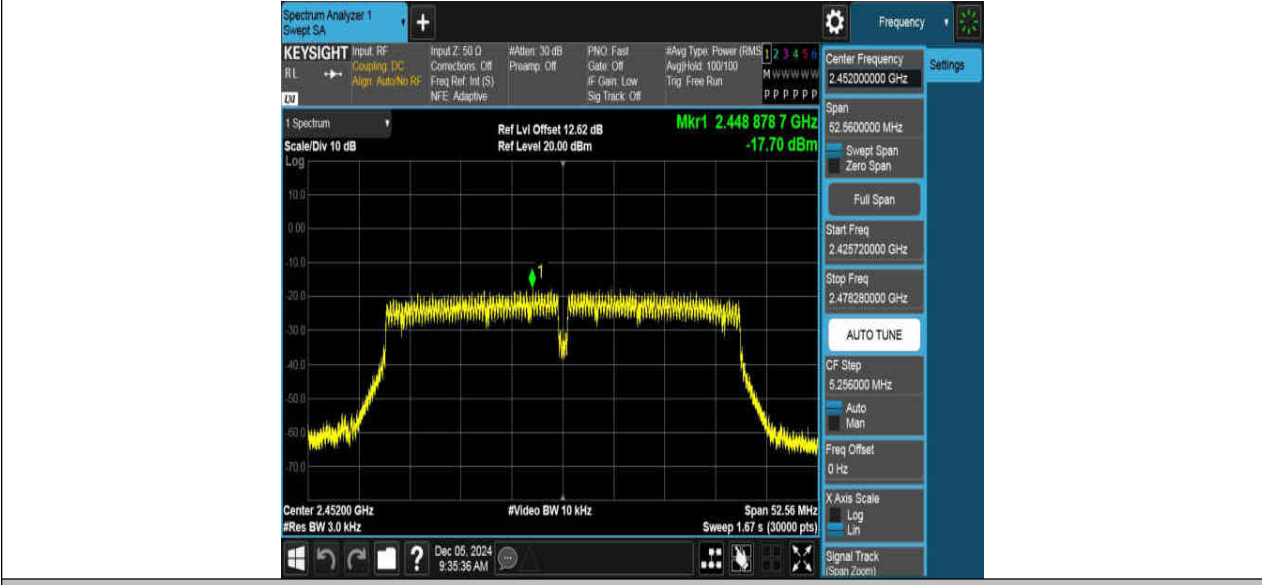




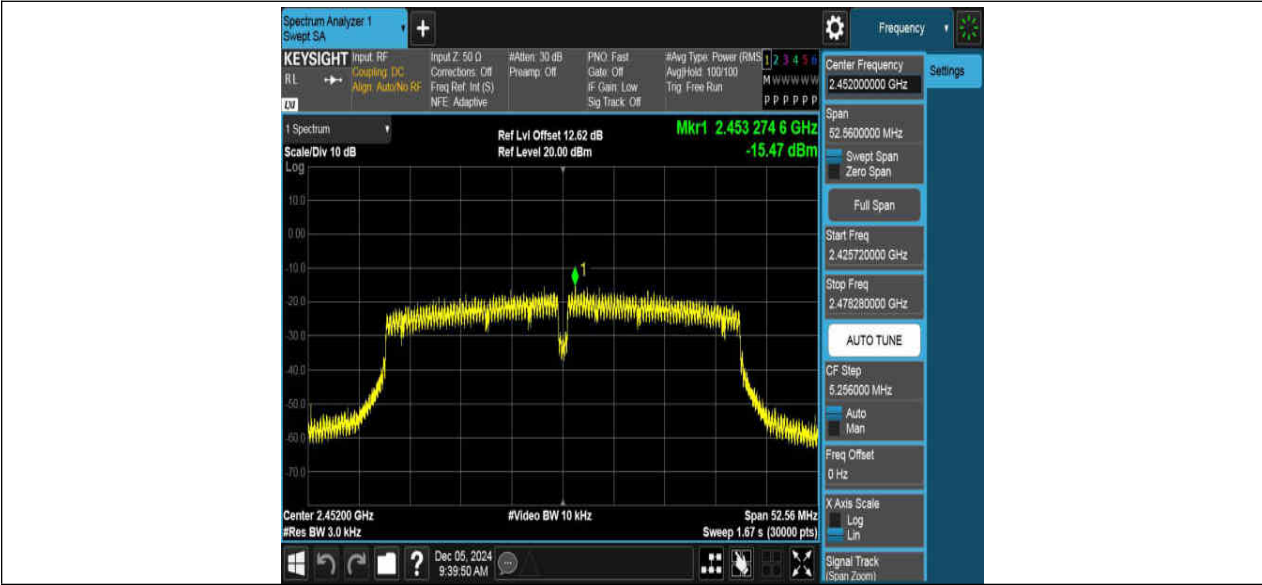
11N40MIMO\_Ant2\_2437



11N40MIMO\_Ant1\_2452



11N40MIMO\_Ant2\_2452



## 12. Conducted Band edge and Spurious Emissions

### 12.1. Block diagram of test setup

Same as section 8.1

### 12.2. Limits

| CFR 47 FCC Part15 (15.247) Subpart C |                                           |                                                                                                                         |
|--------------------------------------|-------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| Section                              | Test Item                                 | Limit                                                                                                                   |
| CFR 47 FCC §15.247 (d)               | Conducted Bandedge and Spurious Emissions | at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power |

### 12.3. Test Procedure

|                  |                                                |
|------------------|------------------------------------------------|
| Center Frequency | The centre frequency of the channel under test |
| Detector         | Peak                                           |
| RBW              | 100 kHz                                        |
| VBW              | $\geq 3 \times \text{RBW}$                     |
| Span             | 1.5 x DTS bandwidth                            |
| Trace            | Max hold                                       |
| Sweep time       | Auto couple.                                   |

Connect the UUT to the spectrum analyzer and use the following settings:

Use the peak marker function to determine the maximum PSD level.

|                    |                                                                               |
|--------------------|-------------------------------------------------------------------------------|
| Span               | Set the center frequency and span to encompass frequency range to be measured |
| Detector           | Peak                                                                          |
| RBW                | 100 kHz                                                                       |
| VBW                | $\geq 3 \times \text{RBW}$                                                    |
| measurement points | $\geq \text{span/RBW}$                                                        |
| Trace              | Max hold                                                                      |
| Sweep time         | Auto couple.                                                                  |

Use the peak marker function to determine the maximum amplitude level.

### 12.4. Test result

| Test Mode | Ant. | Ch Name | Freq. (MHz) | Ref Level (dBm) | Result (dBm) | Limit (dBm)   | Verdict |
|-----------|------|---------|-------------|-----------------|--------------|---------------|---------|
| 11B       | Ant1 | Low     | 2412        | -1.35           | -45.61       | $\leq -21.35$ | PASS    |
|           | Ant2 | Low     | 2412        | 9.84            | -36.64       | $\leq -10.16$ | PASS    |
|           | Ant1 | High    | 2462        | -8.79           | -46.65       | $\leq -28.79$ | PASS    |
|           | Ant2 | High    | 2462        | 11.32           | -45.87       | $\leq -8.69$  | PASS    |
| 11G       | Ant1 | Low     | 2412        | -8.94           | -46.15       | $\leq -28.94$ | PASS    |
|           | Ant2 | Low     | 2412        | 0.07            | -38.5        | $\leq -19.93$ | PASS    |
|           | Ant1 | High    | 2462        | -6.82           | -48.34       | $\leq -26.82$ | PASS    |
|           | Ant2 | High    | 2462        | 0.53            | -47.37       | $\leq -19.47$ | PASS    |
| 11N20MIMO | Ant1 | Low     | 2412        | -9.38           | -46.9        | $\leq -29.38$ | PASS    |
|           | Ant2 | Low     | 2412        | -3.37           | -45.14       | $\leq -23.37$ | PASS    |
|           | Ant1 | High    | 2462        | -4.69           | -48.31       | $\leq -24.69$ | PASS    |
|           | Ant2 | High    | 2462        | -0.13           | -48.2        | $\leq -20.13$ | PASS    |

|           |      |      |      |       |        |               |      |
|-----------|------|------|------|-------|--------|---------------|------|
| 11N40MIMO | Ant1 | Low  | 2422 | -3.33 | -41.26 | $\leq -23.33$ | PASS |
|           | Ant2 | Low  | 2422 | -3.08 | -39.49 | $\leq -23.08$ | PASS |
|           | Ant1 | High | 2452 | -3.85 | -47.59 | $\leq -23.85$ | PASS |
|           | Ant2 | High | 2452 | -2.25 | -41.96 | $\leq -22.25$ | PASS |

| Test Mode | Ant. | Freq.<br>(MHz) | Freq<br>Range<br>(Mhz) | Ref<br>Level<br>(dBm) | Result<br>(dBm) | Limit<br>(dBm) | Verdict |
|-----------|------|----------------|------------------------|-----------------------|-----------------|----------------|---------|
| 11B       | Ant1 | 2412           | 30~1000                | -0.92                 | -59.88          | $\leq -20.92$  | PASS    |
|           |      |                | 1000~26500             | -0.92                 | -51.27          | $\leq -20.92$  | PASS    |
|           | Ant2 | 2412           | 30~1000                | 9.34                  | -59.88          | $\leq -10.66$  | PASS    |
|           |      |                | 1000~26500             | 9.34                  | -50.58          | $\leq -10.66$  | PASS    |
|           | Ant1 | 2437           | 30~1000                | -7.63                 | -59.77          | $\leq -27.63$  | PASS    |
|           |      |                | 1000~26500             | -7.63                 | -50.86          | $\leq -27.63$  | PASS    |
|           | Ant2 | 2437           | 30~1000                | 10.63                 | -59.76          | $\leq -9.37$   | PASS    |
|           |      |                | 1000~26500             | 10.63                 | -50.41          | $\leq -9.37$   | PASS    |
|           | Ant1 | 2462           | 30~1000                | -8.47                 | -59.98          | $\leq -28.47$  | PASS    |
|           |      |                | 1000~26500             | -8.47                 | -50.76          | $\leq -28.47$  | PASS    |
|           | Ant2 | 2462           | 30~1000                | 10.77                 | -60.1           | $\leq -9.23$   | PASS    |
|           |      |                | 1000~26500             | 10.77                 | -51.7           | $\leq -9.23$   | PASS    |
| 11G       | Ant1 | 2412           | 30~1000                | -8.16                 | -60.04          | $\leq -28.16$  | PASS    |
|           |      |                | 1000~26500             | -8.16                 | -50.75          | $\leq -28.16$  | PASS    |
|           | Ant2 | 2412           | 30~1000                | 1.98                  | -60.57          | $\leq -18.02$  | PASS    |
|           |      |                | 1000~26500             | 1.98                  | -50.95          | $\leq -18.02$  | PASS    |
|           | Ant1 | 2437           | 30~1000                | -6.28                 | -60.13          | $\leq -26.28$  | PASS    |
|           |      |                | 1000~26500             | -6.28                 | -51.32          | $\leq -26.28$  | PASS    |
|           | Ant2 | 2437           | 30~1000                | 1.50                  | -60.07          | $\leq -18.5$   | PASS    |
|           |      |                | 1000~26500             | 1.50                  | -50.68          | $\leq -18.5$   | PASS    |
|           | Ant1 | 2462           | 30~1000                | -5.63                 | -60.18          | $\leq -25.63$  | PASS    |
|           |      |                | 1000~26500             | -5.63                 | -50.85          | $\leq -25.63$  | PASS    |
|           | Ant2 | 2462           | 30~1000                | 0.30                  | -59.84          | $\leq -19.7$   | PASS    |
|           |      |                | 1000~26500             | 0.30                  | -50.89          | $\leq -19.7$   | PASS    |
| 11N20MIMO | Ant1 | 2412           | 30~1000                | -10.73                | -59.54          | $\leq -30.73$  | PASS    |
|           |      |                | 1000~26500             | -10.73                | -50.45          | $\leq -30.73$  | PASS    |
|           | Ant2 | 2412           | 30~1000                | -2.79                 | -59.78          | $\leq -22.79$  | PASS    |
|           |      |                | 1000~26500             | -2.79                 | -50.77          | $\leq -22.79$  | PASS    |
|           | Ant1 | 2437           | 30~1000                | -5.33                 | -60.79          | $\leq -25.33$  | PASS    |
|           |      |                | 1000~26500             | -5.33                 | -51.09          | $\leq -25.33$  | PASS    |
|           | Ant2 | 2437           | 30~1000                | -2.10                 | -59.72          | $\leq -22.1$   | PASS    |
|           |      |                | 1000~26500             | -2.10                 | -50.16          | $\leq -22.1$   | PASS    |
|           | Ant1 | 2462           | 30~1000                | -3.69                 | -60.19          | $\leq -23.69$  | PASS    |
|           |      |                | 1000~26500             | -3.69                 | -50.33          | $\leq -23.69$  | PASS    |
|           | Ant2 | 2462           | 30~1000                | -0.24                 | -60.15          | $\leq -20.24$  | PASS    |
|           |      |                | 1000~26500             | -0.24                 | -51.04          | $\leq -20.24$  | PASS    |
| 11N40MIMO | Ant1 | 2422           | 30~1000                | -4.25                 | -59.47          | $\leq -24.25$  | PASS    |
|           |      |                | 1000~26500             | -4.25                 | -50.83          | $\leq -24.25$  | PASS    |
|           | Ant2 | 2422           | 30~1000                | -1.96                 | -59.7           | $\leq -21.96$  | PASS    |
|           |      |                | 1000~26500             | -1.96                 | -49.86          | $\leq -21.96$  | PASS    |
|           | Ant1 | 2437           | 30~1000                | -2.59                 | -59.23          | $\leq -22.59$  | PASS    |
|           |      |                | 1000~26500             | -2.59                 | -51.34          | $\leq -22.59$  | PASS    |
|           | Ant2 | 2437           | 30~1000                | -1.85                 | -59.81          | $\leq -21.85$  | PASS    |
|           |      |                | 1000~26500             | -1.85                 | -50.83          | $\leq -21.85$  | PASS    |

|  |      |      |            |       |        |         |      |
|--|------|------|------------|-------|--------|---------|------|
|  | Ant1 | 2452 | 30~1000    | -3.81 | -60.39 | ≤-23.81 | PASS |
|  |      |      | 1000~26500 | -3.81 | -51.39 | ≤-23.81 | PASS |
|  | Ant2 | 2452 | 30~1000    | -2.29 | -59.33 | ≤-22.29 | PASS |
|  |      |      | 1000~26500 | -2.29 | -51.11 | ≤-22.29 | PASS |

12.5. Original test data

Band edge:





11B Ant2 High 2462



11G Ant1 Low 2412



11G Ant2 Low 2412





11N20MIMO\_Ant2\_Low\_2412



11N20MIMO\_Ant1\_High\_2462



11N20MIMO\_Ant2\_High\_2462

