

# RADIO TEST REPORT

## Test Report No. 14913509H-D-R2

|                     |                                                                                        |
|---------------------|----------------------------------------------------------------------------------------|
| Customer            | Panasonic Automotive Systems Co., Ltd.                                                 |
| Description of EUT  | Car Navigation                                                                         |
| Model Number of EUT | AT2402                                                                                 |
| FCC ID              | ACJ932AT2402                                                                           |
| Test Regulation     | FCC Part 15 Subpart E                                                                  |
| Test Result         | Complied                                                                               |
| Issue Date          | April 23, 2025                                                                         |
| Remarks             | - WLAN (5 GHz band) part<br>- Radiated Spurious Emission and Band Edge Compliance only |

**Representative Test Engineer**Tomoya Sone  
Engineer**Approved By**Takumi Shimada  
Engineer

CERTIFICATE 5107.02

- ☐ The testing in which "Non-accreditation" is displayed is outside the accreditation scopes in UL Japan, Inc.
- ☒ There is no testing item of "Non-accreditation".

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- The laboratory is not responsible for information provided by the customer which can impact the validity of the results.
- For test report(s) referred in this report, the latest version (including any revisions) is always referred.

# REVISION HISTORY

## Original Test Report No. 14913509H-D

This report is a revised version of 14913509H-D-R1. 14913509H-D-R1 is replaced with this report.

| Revision     | Test Report No. | Date            | Page Revised Contents                                                                                                                                       |
|--------------|-----------------|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| - (Original) | 14913509H-D     | August 26, 2024 | -                                                                                                                                                           |
| 1            | 14913509H-D-R1  | March 24, 2025  | <b>Figure 1: Test Setup in SECTION 5</b><br>Corrected description for 1 GHz to 10 GHz (Figure and calculating formula).                                     |
| 2            | 14913509H-D-R2  | April 23, 2025  | <b>4.2 Configuration and Peripherals</b><br><b>Table for List of Cables Used</b><br>- Corrected information of Cable 12 and 13:<br>DC Cable -> Signal Cable |

## Reference: Abbreviations (Including words undescribed in this report)

|                |                                                                 |         |                                                     |
|----------------|-----------------------------------------------------------------|---------|-----------------------------------------------------|
| A2LA           | The American Association for Laboratory Accreditation           | IEC     | International Electrotechnical Commission           |
| AC             | Alternating Current                                             | IEEE    | Institute of Electrical and Electronics Engineers   |
| AFH            | Adaptive Frequency Hopping                                      | IF      | Intermediate Frequency                              |
| AM             | Amplitude Modulation                                            | ILAC    | International Laboratory Accreditation Conference   |
| Amp, AMP       | Amplifier                                                       | ISED    | Innovation, Science and Economic Development Canada |
| ANSI           | American National Standards Institute                           | ISO     | International Organization for Standardization      |
| Ant, ANT       | Antenna                                                         | JAB     | Japan Accreditation Board                           |
| AP             | Access Point                                                    | LAN     | Local Area Network                                  |
| ASK            | Amplitude Shift Keying                                          | LIMS    | Laboratory Information Management System            |
| Atten., ATT    | Attenuator                                                      | MCS     | Modulation and Coding Scheme                        |
| AV             | Average                                                         | MRA     | Mutual Recognition Arrangement                      |
| BPSK           | Binary Phase-Shift Keying                                       | N/A     | Not Applicable                                      |
| BR             | Bluetooth Basic Rate                                            | NIST    | National Institute of Standards and Technology      |
| BT             | Bluetooth                                                       | NS      | No signal detect.                                   |
| BT LE          | Bluetooth Low Energy                                            | NSA     | Normalized Site Attenuation                         |
| BW             | BandWidth                                                       | NVLAP   | National Voluntary Laboratory Accreditation Program |
| Cal Int        | Calibration Interval                                            | OBW     | Occupied Band Width                                 |
| CCK            | Complementary Code Keying                                       | OFDM    | Orthogonal Frequency Division Multiplexing          |
| Ch., CH        | Channel                                                         | OFDMA   | Orthogonal Frequency Division Multiple Access       |
| CISPR          | Comite International Special des Perturbations Radioelectriques | P/M     | Power meter                                         |
| CW             | Continuous Wave                                                 | PCB     | Printed Circuit Board                               |
| DBPSK          | Differential BPSK                                               | PER     | Packet Error Rate                                   |
| DC             | Direct Current                                                  | PHY     | Physical Layer                                      |
| D-factor       | Distance factor                                                 | PK      | Peak                                                |
| DFS            | Dynamic Frequency Selection                                     | PN      | Pseudo random Noise                                 |
| DQPSK          | Differential QPSK                                               | PP      | Preamble Puncturing                                 |
| DSSS           | Direct Sequence Spread Spectrum                                 | PRBS    | Pseudo-Random Bit Sequence                          |
| EDR            | Enhanced Data Rate                                              | PSD     | Power Spectral Density                              |
| EIRP, e.i.r.p. | Equivalent Isotropically Radiated Power                         | QAM     | Quadrature Amplitude Modulation                     |
| EMC            | ElectroMagnetic Compatibility                                   | QP      | Quasi-Peak                                          |
| EMI            | ElectroMagnetic Interference                                    | QPSK    | Quadri-Phase Shift Keying                           |
| EN             | European Norm                                                   | RBW     | Resolution Band Width                               |
| ERP, e.r.p.    | Effective Radiated Power                                        | RDS     | Radio Data System                                   |
| EU             | European Union                                                  | RE      | Radio Equipment                                     |
| EUT            | Equipment Under Test                                            | RF      | Radio Frequency                                     |
| Fac.           | Factor                                                          | RMS     | Root Mean Square                                    |
| FCC            | Federal Communications Commission                               | RSS     | Radio Standards Specifications                      |
| FHSS           | Frequency Hopping Spread Spectrum                               | Rx      | Receiving                                           |
| FM             | Frequency Modulation                                            | SA, S/A | Spectrum Analyzer                                   |
| Freq.          | Frequency                                                       | SG      | Signal Generator                                    |
| FSK            | Frequency Shift Keying                                          | SVSWR   | Site-Voltage Standing Wave Ratio                    |
| GFSK           | Gaussian Frequency-Shift Keying                                 | TR      | Test Receiver                                       |
| GNSS           | Global Navigation Satellite System                              | Tx      | Transmitting                                        |
| GPS            | Global Positioning System                                       | VBW     | Video BandWidth                                     |
| Hori.          | Horizontal                                                      | Vert.   | Vertical                                            |
| ICES           | Interference-Causing Equipment Standard                         | WLAN    | Wireless LAN                                        |

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## **SECTION 1: Customer Information**

|                  |                                                                           |
|------------------|---------------------------------------------------------------------------|
| Company Name     | Panasonic Automotive Systems Co., Ltd. *1)                                |
| Address          | 4261, Ikonobe-cho, Tsuzuki-ku, Yokohama-shi, Kanagawa-ken 224-8520, Japan |
| Telephone Number | +81-50-1802-5117                                                          |
| Contact Person   | Daisuke Takahata                                                          |

\*1) The Grantee name in the FCC application is "Panasonic Corporation of North America".

The information provided by the customer is as follows;

- Customer, Description of EUT, Model Number of EUT, FCC ID on the cover and other relevant pages
- Operating/Test Mode(s) (Mode(s)) on all the relevant pages
- SECTION 1: Customer Information
- SECTION 2: Equipment Under Test (EUT) other than the Receipt Date and Test Date
- SECTION 4: Operation of EUT during testing

## **SECTION 2: Equipment Under Test (EUT)**

### **2.1 Identification of EUT**

|               |                                                                                           |
|---------------|-------------------------------------------------------------------------------------------|
| Description   | Car Navigation                                                                            |
| Model Number  | AT2402                                                                                    |
| Serial Number | Refer to SECTION 4.2                                                                      |
| Condition     | Production prototype<br>(Not for Sale: This sample is equivalent to mass-produced items.) |
| Modification  | No Modification by the test lab                                                           |
| Receipt Date  | June 26, 2024                                                                             |
| Test Date     | July 1 to 10, 2024                                                                        |

### **2.2 Product Description**

#### **General Specification**

|                       |                         |
|-----------------------|-------------------------|
| Rating                | DC 13.2 V               |
| Operating temperature | -30 deg. C to 65 deg. C |

## Radio Specification

### Bluetooth (BR / EDR / BT LE)

|                        |                                           |
|------------------------|-------------------------------------------|
| Equipment Type         | Transceiver                               |
| Frequency of Operation | 2402 MHz to 2480 MHz                      |
| Type of Modulation     | FHSS, GFSK / $\pi/4$ -DQPSK, 8DPSK / GFSK |
| Antenna Gain           | 4 dBi                                     |

### WLAN (IEEE802.11b/11g/11n-20/11ax-20)

|                        |                                                   |
|------------------------|---------------------------------------------------|
| Equipment Type         | Transceiver                                       |
| Frequency of Operation | 2412 MHz to 2462 MHz                              |
| Type of Modulation     | DSSS, OFDM                                        |
|                        | OFDMA (IEEE802.11ax only)   26/52/106/242-tone RU |
| Antenna Gain           | 4 dBi                                             |

### WLAN (IEEE802.11a/11n-20/11ac-20/11ax-20/11n-40/11ac-40/11ax-40/11ac-80/11ax-80)

|                                       |                              |                                              |  |
|---------------------------------------|------------------------------|----------------------------------------------|--|
| Equipment Type                        | Transceiver                  |                                              |  |
| Frequency of Operation                | 20 MHz Band                  | 5180 MHz to 5240 MHz<br>5745 MHz to 5825 MHz |  |
|                                       | 40 MHz Band                  | 5190 MHz to 5230 MHz<br>5755 MHz to 5795 MHz |  |
|                                       | 80 MHz Band                  | 5210 MHz, 5775 MHz                           |  |
| Type of Modulation                    | OFDM                         |                                              |  |
|                                       | OFDMA<br>(IEEE802.11ax only) | 20 MHz: 26/52/106/242-tone RU                |  |
|                                       |                              | 40 MHz: 26/52/106/242/484-tone RU            |  |
| 80 MHz: 26/52/106/242/484/996-tone RU |                              |                                              |  |
| Antenna Gain                          | RF0: 5 dBi<br>RF1: 5 dBi     |                                              |  |

### **SECTION 3: Test specification, Procedures & Results**

#### **3.1 Test Specification**

|                    |                                                                                                                                                                |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Specification | FCC Part 15 Subpart E<br>The latest version on the first day of the testing period                                                                             |
| Title              | FCC 47 CFR Part 15 Radio Frequency Device Subpart E<br>Unlicensed National Information Infrastructure Devices<br>Section 15.407 General technical requirements |

#### **3.2 Procedures and Results**

| Item                                                                                                                                                                                                                                                                                                         | Test Procedure                                                   | Specification                                | Worst Margin                        | Results  | Remarks                       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|----------------------------------------------|-------------------------------------|----------|-------------------------------|
| Spurious Emission<br>Restricted Band<br>Edge                                                                                                                                                                                                                                                                 | <b>FCC:</b> ANSI C63.10-2013<br>KDB Publication Number<br>789033 | <b>FCC:</b> 15.407 (b), 15.205 and<br>15.209 | 9.7 dB<br>737.6 MHz<br>QP, Vertical | Complied | Radiated<br>(> 30 MHz)<br>*1) |
|                                                                                                                                                                                                                                                                                                              | <b>ISED:</b> -                                                   | <b>ISED:</b> RSS-247 6.2                     |                                     |          |                               |
| Note: UL Japan, Inc.'s EMI Work Procedures: Work Instructions-ULID-003591 and Work Instructions-ULID-003593.<br>* In case any questions arise about test procedure, ANSI C63.10: 2013 is also referred.<br><br>*1) Radiated test was selected over 30 MHz based on FCC 15.407 (b) and KDB 789033 D02 G.3.b). |                                                                  |                                              |                                     |          |                               |

#### **FCC Part 15.31 (e)**

This EUT provides the stable voltage constantly to RF part regardless of input voltage.  
Therefore, this EUT complies with the requirement.

#### **FCC Part 15.203 Antenna requirement**

It is impossible for end users to replace the antenna, because the antenna is mounted inside of the EUT.  
Therefore, the equipment complies with the antenna requirement of Section 15.203.

#### **3.3 Addition to Standard**

No addition, exclusion nor deviation has been made from the standard.

### 3.4 Uncertainty

Measurement uncertainty is not taken into account when stating conformity with a specified requirement.  
Note: When margins obtained from test results are less than the measurement uncertainty, the test results may exceed the limit.

The following uncertainties have been calculated to provide a confidence level of 95 % using a coverage factor  $k = 2$ .

#### Radiated emission

| Measurement distance | Frequency range     |            | Unit | Calculated Uncertainty (+/-) |
|----------------------|---------------------|------------|------|------------------------------|
| 3 m                  | 9 kHz to 30 MHz     |            | dB   | 3.3                          |
| 10 m                 |                     |            | dB   | 3.1                          |
| 3 m                  | 30 MHz to 200 MHz   | Horizontal | dB   | 4.7                          |
|                      |                     | Vertical   | dB   | 4.7                          |
|                      | 200 MHz to 1000 MHz | Horizontal | dB   | 4.8                          |
|                      |                     | Vertical   | dB   | 6.0                          |
| 10 m                 | 30 MHz to 200 MHz   | Horizontal | dB   | 5.2                          |
|                      |                     | Vertical   | dB   | 5.1                          |
|                      | 200 MHz to 1000 MHz | Horizontal | dB   | 5.2                          |
|                      |                     | Vertical   | dB   | 5.2                          |
| 3 m                  | 1 GHz to 6 GHz      |            | dB   | 5.1                          |
|                      | 6 GHz to 18 GHz     |            | dB   | 5.4                          |
| 1 m                  | 10 GHz to 18 GHz    |            | dB   | 5.4                          |
|                      | 18 GHz to 26.5 GHz  |            | dB   | 5.3                          |
|                      | 26.5 GHz to 40 GHz  |            | dB   | 4.8                          |
| 0.5 m                | 26.5 GHz to 40 GHz  |            | dB   | 5.0                          |

### 3.5 Test Location

UL Japan, Inc. Ise EMC Lab.

4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 Japan

Telephone: +81-596-24-8999

A2LA Certificate Number: 5107.02 / FCC Test Firm Registration Number: 884919

ISED Lab Company Number: 2973C / CAB identifier: JP0002

| Test site                  | Width x Depth x Height (m) | Size of reference ground plane (m) / horizontal conducting plane | Other rooms            | Maximum measurement distance |
|----------------------------|----------------------------|------------------------------------------------------------------|------------------------|------------------------------|
| No.1 semi-anechoic chamber | 19.2 x 11.2 x 7.7          | 7.0 x 6.0                                                        | No.1 Power source room | 10 m                         |
| No.2 semi-anechoic chamber | 7.5 x 5.8 x 5.2            | 4.0 x 4.0                                                        | -                      | 3 m                          |
| No.3 semi-anechoic chamber | 12.0 x 8.5 x 5.9           | 6.8 x 5.75                                                       | No.3 Preparation room  | 3 m                          |
| No.3 shielded room         | 4.0 x 6.0 x 2.7            | N/A                                                              | -                      | -                            |
| No.4 semi-anechoic chamber | 12.0 x 8.5 x 5.9           | 6.8 x 5.75                                                       | No.4 Preparation room  | 3 m                          |
| No.4 shielded room         | 4.0 x 6.0 x 2.7            | N/A                                                              | -                      | -                            |
| No.5 semi-anechoic chamber | 6.0 x 6.0 x 3.9            | 6.0 x 6.0                                                        | -                      | -                            |
| No.5 measurement room      | 6.4 x 6.4 x 3.0            | 6.4 x 6.4                                                        | -                      | -                            |
| No.6 shielded room         | 4.0 x 4.5 x 2.7            | 4.0 x 4.5                                                        | -                      | -                            |
| No.6 measurement room      | 4.75 x 5.4 x 3.0           | 4.75 x 4.15                                                      | -                      | -                            |
| No.7 shielded room         | 4.7 x 7.5 x 2.7            | 4.7 x 7.5                                                        | -                      | -                            |
| No.8 measurement room      | 3.1 x 5.0 x 2.7            | 3.1 x 5.0                                                        | -                      | -                            |
| No.9 measurement room      | 8.8 x 4.6 x 2.8            | 2.4 x 2.4                                                        | -                      | -                            |
| No.10 shielded room        | 3.8 x 2.8 x 2.8            | 3.8 x 2.8                                                        | -                      | -                            |
| No.11 measurement room     | 4.0 x 3.4 x 2.5            | N/A                                                              | -                      | -                            |
| No.12 measurement room     | 2.6 x 3.4 x 2.5            | N/A                                                              | -                      | -                            |
| Large Chamber              | 16.9 x 22.1 x 10.17        | 16.9 x 22.1                                                      | -                      | 10 m                         |
| Small Chamber              | 5.3 x 6.69 x 3.59          | 5.3 x 6.69                                                       | -                      | -                            |

### 3.6 Test Data, Test Instruments, and Test Set Up

Refer to APPENDIX.

## SECTION 4: Operation of EUT during testing

### 4.1 Operating Mode(s)

| Mode                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Remarks*    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| IEEE 802.11ax MIMO 20 MHz BW (11ax-20)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | MCS 5, PN9  |
| IEEE 802.11ax MIMO 40 MHz BW (11ax-40)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | MCS 10, PN9 |
| IEEE 802.11ac MIMO 80 MHz BW (11ac-80)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | MCS 5, PN9  |
| IEEE 802.11ax MIMO 80 MHz BW (11ax-80)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | MCS 7, PN9  |
| <p>*Power of the EUT was set by the software as follows;<br/> Power Setting: Refer to Power Setting table below.<br/> Software: OFDM: wifi_5g_serial_v3<br/> OFDMA: OFDMA_TX_5G_Serial_v4<br/> (Date: 2024.06.25 (OFDM) / 2024.04.28 (OFDMA),<br/> Storage location: Driven by connected PC)</p> <p>*This setting of software is the worst case.<br/> Any conditions under the normal use do not exceed the condition of setting.<br/> In addition, end users cannot change the settings of the output power of the product.</p> <p>Test operating mode was determined as follows according to "Section 1 of 6 802.11 a/b/g/n testing - Managing Complex Regulatory Approvals - " of TCB Council Workshop October 2009 and also was judged the necessity of 802.11ax mode by the pre-test.</p> |             |

#### Power Setting (dBm)

| Mode |       | 20 MHz BW   | 40 MHz BW | 80 MHz BW |
|------|-------|-------------|-----------|-----------|
| 11ac |       | -           | -         | 2.0       |
| 11ax | OFDM  | 3.0         | 2.5       | 2.0       |
|      | OFDMA |             |           |           |
|      |       | 26-tone RU  | 2.0       | 2.0       |
|      |       | 52-tone RU  | 3.0       | 2.5       |
|      |       | 106-tone RU | 3.0       | 2.5       |
|      |       | 242-tone RU | 3.0       | 2.5       |
|      |       | 484-tone RU | -         | 2.5       |
|      |       | 996-tone RU | -         | -         |

\*The Details of Operation Mode(s)

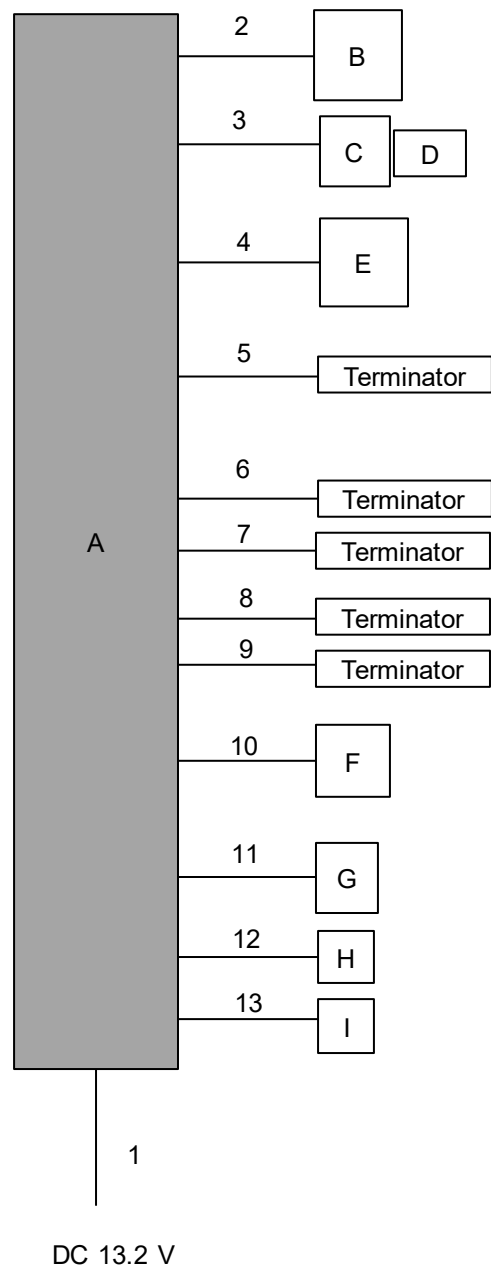
| Test Item                                | Operating Mode         | Tested Antenna | Tested Frequency |            |
|------------------------------------------|------------------------|----------------|------------------|------------|
|                                          |                        |                | Lower Band       | Upper Band |
| Radiated Spurious Emission (Below 1 GHz) | Tx 11ax-20 [OFDMA] *1) | Chain 1+2      | -                | 5825 MHz   |
| Radiated Spurious Emission (Above 1 GHz) | Tx 11ax-20 [OFDM] *2)  | Chain 1+2      | 5180 MHz         | 5745 MHz   |
|                                          | Tx 11ax-20 [OFDMA] *3) |                | 5220 MHz         | 5785 MHz   |
|                                          |                        |                | 5240 MHz         | 5825 MHz   |
|                                          | Tx 11ax-40 [OFDM] *2)  |                | 5190 MHz         | 5755 MHz   |
|                                          | Tx 11ax-40 [OFDMA] *3) |                | 5230 MHz         | 5795 MHz   |
|                                          | Tx 11ac-80 *4)         |                | -                | 5775 MHz   |
|                                          | Tx 11ax-80 [OFDM] *4)  |                | 5210 MHz         | 5775 MHz   |
|                                          | Tx 11ax-80 [OFDMA] *3) |                |                  |            |

\*1) The mode was tested as a representative, because it had the highest power at antenna terminal test.  
 \*2) Since each of 20 MHz BW (11a / 11n-20 / 11ac-20 / 11ax-20) and 40 MHz BW (11n-40 / 11ac-40 / 11ax-40) have the same modulation method and no differences in transmitting specification, the test was performed with the representative mode that had the highest output power.  
 \*3) For other than mode that had the highest output power, the test was performed only at the band edges.  
 \*4) Since 80 MHz BW (11ac-80 / 11ax-80) have the same modulation method and no differences in transmitting specification, the test was performed with the representative mode and channel that had the highest output power.

Simultaneous transmission

| Test Item                                                                                                                                                                                                 | Mode *1)                                  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| Radiated Spurious Emission                                                                                                                                                                                | Tx 11ax-80 [OFDM] 5775 MHz + 3DH5 Hopping |
| *1) The test was conducted on representative mode, the worst mode of GHz band at Spurious emission test for WLAN 5 GHz band and the mode had the highest power at Antenna terminal conducted test for BT. |                                           |

4.2 Configuration and Peripherals



<sup>z</sup>  
\* Cabling and setup(s) were taken into consideration and test data was taken under worse case conditions.

#### Description of EUT and Support Equipment

| No. | Item            | Model number | Serial Number | Manufacturer                              | Remarks |
|-----|-----------------|--------------|---------------|-------------------------------------------|---------|
| A   | Car Navigation  | AT2402       | 500071        | Panasonic                                 | EUT     |
| B   | ADAS Jig        | GVIF3OUT2A   | 8             | Persol AVC Technology Co., Ltd.           | -       |
| C   | USB BOX         | DEP38-10029  | -             | Japan Aviation Electronics Industry, Ltd. | -       |
| D   | USB Memory      | RUF3-K16GB   | P10416        | Buffalo Inc.                              | -       |
| E   | Speaker Dummy   | HS50 4RF     | -             | ARCOL UK Limited                          | -       |
| F   | Steering Switch | -            | 1400          | Panasonic                                 | -       |
| G   | GPS Antenna     | ANN-MS       | 20N40132      | U-Blox                                    | -       |
| H   | Microphone      | SDA3520A     | 4AC011627     | Panasonic                                 | -       |
| I   | Microphone      | SDA3520A     | 4AC011628     | Panasonic                                 | -       |

#### List of Cables Used

| No. | Name              | Length (m) | Shield     |            | Remarks |
|-----|-------------------|------------|------------|------------|---------|
|     |                   |            | Cable      | Connector  |         |
| 1   | DC Cable          | 4.3        | Unshielded | Unshielded | -       |
| 2   | Signal Cable      | 1.9        | Unshielded | Unshielded | -       |
| 3   | USB Cable         | 2.3        | Shielded   | Shielded   | -       |
| 4   | Audio Cable       | 2.5        | Shielded   | Shielded   | -       |
| 5   | XM Antenna Cable  | 3.0        | Shielded   | Shielded   | -       |
| 6   | LAN Cable         | 3.0        | Shielded   | Shielded   | -       |
| 7   | Signal Cable      | 1.0        | Shielded   | Shielded   | -       |
| 8   | FM Cable          | 3.0        | Shielded   | Shielded   | -       |
| 9   | Radio Cable       | 3.0        | Shielded   | Shielded   | -       |
| 10  | Signal Cable      | 4.3        | Unshielded | Unshielded | -       |
| 11  | GPS Antenna Cable | 2.0        | Shielded   | Shielded   | -       |
| 12  | Signal Cable      | 4.3        | Unshielded | Unshielded | -       |
| 13  | Signal Cable      | 4.3        | Unshielded | Unshielded | -       |

## **SECTION 5: Radiated Spurious Emission and Band Edge Compliance**

### **Test Procedure**

#### **< Below 1 GHz >**

EUT was placed on a urethane platform of nominal size, 1.0 m by 1.5 m, raised 0.8 m above the conducting ground plane. The Radiated Electric Field Strength has been measured in a Semi Anechoic Chamber with a ground plane.

#### **< Above 1 GHz >**

EUT was placed on a urethane platform of nominal size, 0.5 m by 0.5 m, raised 1.5 m above the conducting ground plane. The Radiated Electric Field Strength has been measured in a Semi Anechoic Chamber with absorbent materials lined on a ground plane. Test antenna was aimed at the EUT for receiving the maximum signal and always kept within the illumination area of the 3 dB beamwidth of the antenna.

The height of the measuring antenna varied between 1 m and 4 m and EUT was rotated a full revolution in order to obtain the maximum value of the electric field strength.

The measurements were performed for both vertical and horizontal antenna polarization with the Test Receiver, or the Spectrum Analyzer.

The measurements were made with the following detector function of the test receiver and the Spectrum analyzer (in linear mode).

The test was made with the detector (RBW/VBW) in the following table.

When using Spectrum analyzer, the test was made with adjusting span to zero by using peak hold.

#### **< Below 1 GHz >**

The result also satisfied with the general limits specified in section 15.209 (a).

#### **< Above 1 GHz >**

Inside of restricted bands (Section 15.205):

Apply to limit in the Section 15.209 (a).

Outside of the restricted bands:

Apply to limit 68.2 dBuV/m, 3 m (-27 dBm e.i.r.p.\* ) in the Section 15.407 (b) (1).

For 5.8 GHz band Bandedge

-27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge in the section 15.407(b)(4)(i).

Restricted band edge:

Apply to limit in the Section 15.209 (a).

Since this limit is severer than the limit of the inside of restricted bands.

\*Electric field strength to e.i.r.p. conversion:

$$E = \frac{1000000\sqrt{30P}}{3} \text{ (uV/m)} \quad : P \text{ is the e.i.r.p. (Watts)}$$

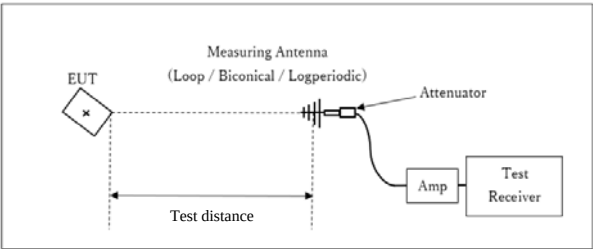
**Test Antennas are used as below;**

|              |                   |                  |             |
|--------------|-------------------|------------------|-------------|
| Frequency    | 30 MHz to 200 MHz | 200 MHz to 1 GHz | Above 1 GHz |
| Antenna Type | Biconical         | Logperiodic      | Horn        |

|                 |               |                          |                                                                                                                                                                                     |
|-----------------|---------------|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Frequency       | Below 1 GHz   | Above 1 GHz              |                                                                                                                                                                                     |
| Instrument Used | Test Receiver | Spectrum Analyzer        |                                                                                                                                                                                     |
| Detector        | QP            | Peak                     | Average                                                                                                                                                                             |
| IF Bandwidth    | BW: 120 kHz   | RBW: 1 MHz<br>VBW: 3 MHz | Method AD<br>RBW: 1 MHz<br>VBW: 3 MHz<br>Detector: Power<br>Averaging (RMS)<br>Trace: $\geq 100$ traces<br>If duty cycle was less than 98%, a duty factor was added to the results. |

Figure 1: Test Setup

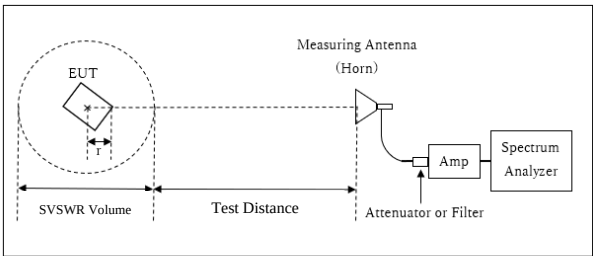
Below 1 GHz



x : Center of turn table

Test Distance: 3 m

1 GHz to 10 GHz



r : Radius of an outer periphery of EUT  
x : Center of turn table

[1 GHz to 6 GHz]

Distance Factor:  $20 \times \log (3.6 \text{ m}^* / 3.0 \text{ m}) = 1.59 \text{ dB}$   
\*(Test Distance + SVSWR Volume / 2) - r = 3.6 m

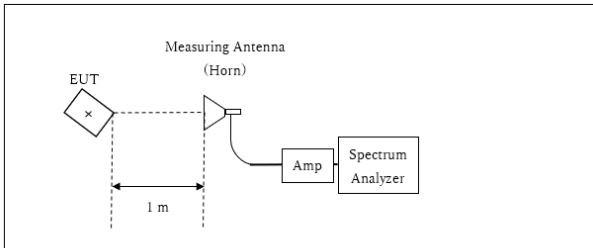
Test Distance: 3 m  
SVSWR Volume : 1.5 m  
(SVSWR Volume has been calibrated based on CISPR 16-1-4.)  
r: 0.15 m

[6 GHz to 10 GHz]

Distance Factor:  $20 \times \log (3.6^* \text{ m} / 3.0 \text{ m}) = 1.59 \text{ dB}$   
\*(Test Distance + SVSWR Volume / 2) - r = 3.6 m

Test Distance: 3.25 m  
SVSWR Volume : 1.0 m  
(SVSWR Volume has been calibrated based on CISPR 16-1-4.)  
r: 0.15 m

10 GHz to 40 GHz



x : Center of turn table

Distance Factor:  $20 \times \log (1.0 \text{ m} / 3.0 \text{ m}) = -9.5 \text{ dB}$   
\*Test Distance: 1 m

The test was made on EUT at the normal use position.

Test results are rounded off and limit are rounded down, so some differences might be observed.

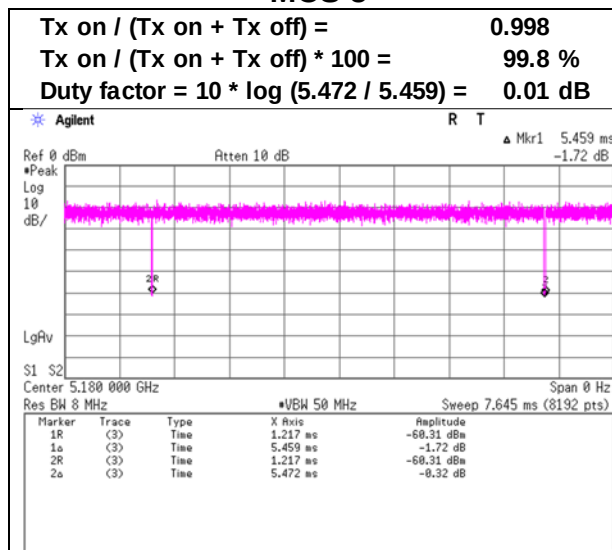
Measurement Range : 30 MHz to 40 GHz  
Test Data : APPENDIX  
Test Result : Pass

## APPENDIX 1: Test Data

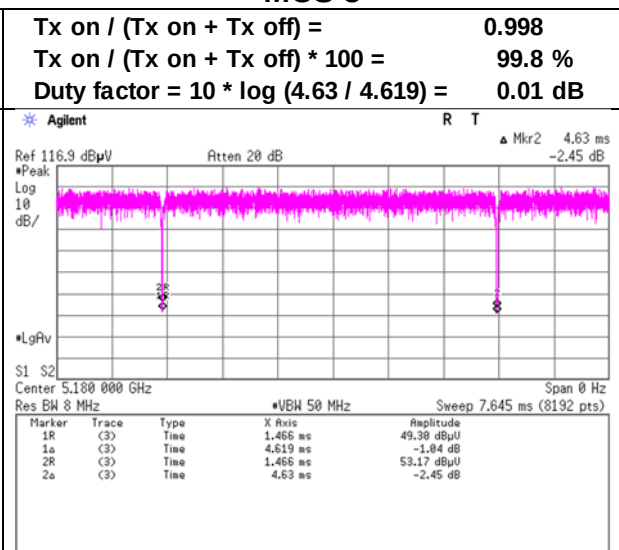
### Burst rate confirmation

|                        |                                              |
|------------------------|----------------------------------------------|
| Test place             | Ise EMC Lab. No.2 Semi Anechoic Chamber      |
| Date                   | July 1, 2024      July 2, 2024               |
| Temperature / Humidity | 23 deg. C / 63 % RH      22 deg. C / 68 % RH |
| Engineer               | Tomoya Sone                                  |
| Mode                   | Tx                                           |

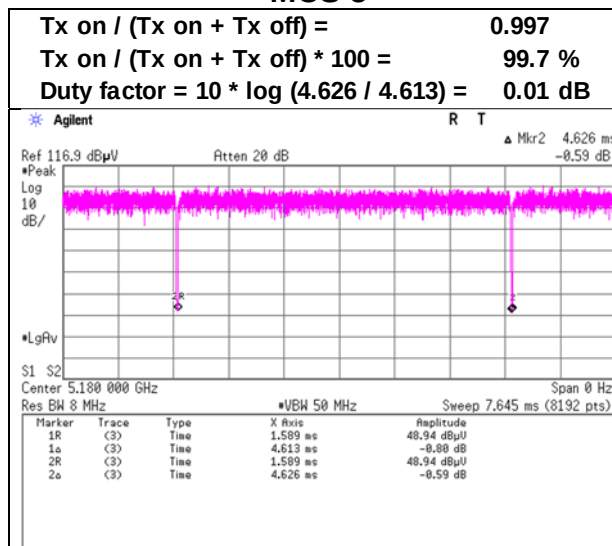
#### 11ax-20 [OFDM] MCS 5



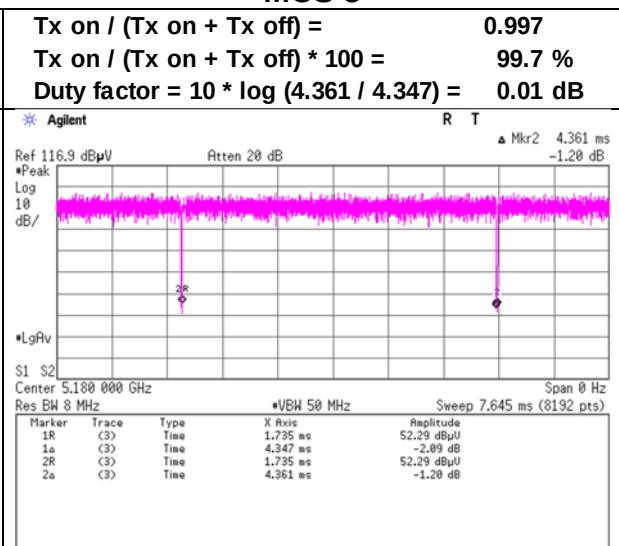
#### 11ax-20 [26-tone RU] MCS 5



#### 11ax-20 [52-tone RU] MCS 5



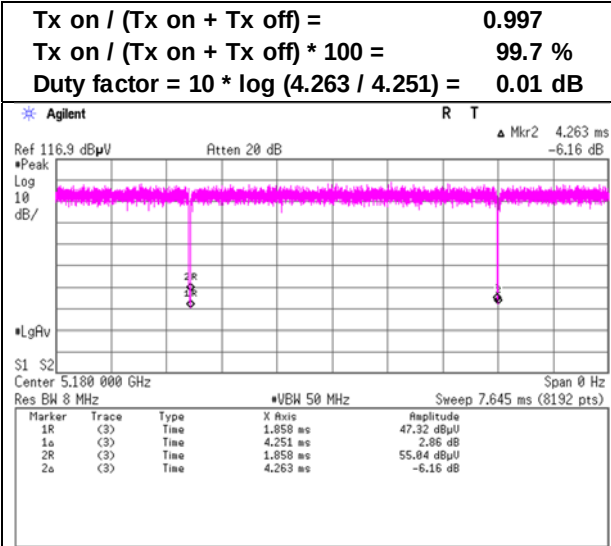
#### 11ax-20 [106-tone RU] MCS 5



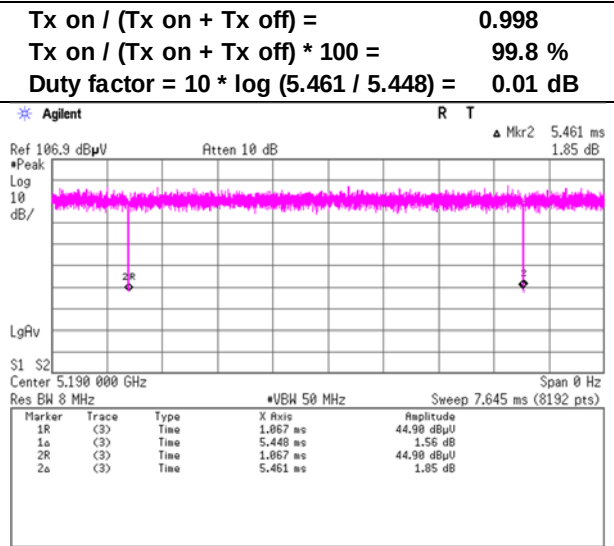
**Burst rate confirmation**

|                        |                                         |                     |                     |
|------------------------|-----------------------------------------|---------------------|---------------------|
| Test place             | Ise EMC Lab. No.2 Semi Anechoic Chamber |                     |                     |
| Date                   | July 2, 2024                            | July 2, 2024        | July 3, 2024        |
| Temperature / Humidity | 23 deg. C / 70 % RH                     | 22 deg. C / 68 % RH | 23 deg. C / 71 % RH |
| Engineer               | Nachi Konegawa                          | Tomoya Sone         | Nachi Konegawa      |
| Mode                   | Tx                                      |                     |                     |

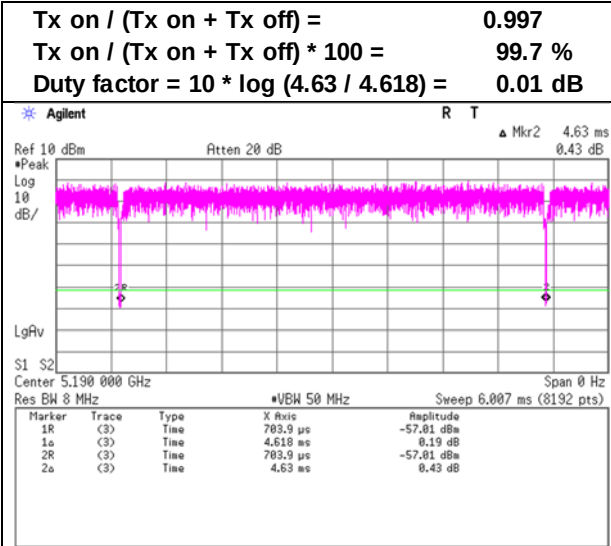
**11ax-20 [242-tone RU]  
MCS 5**



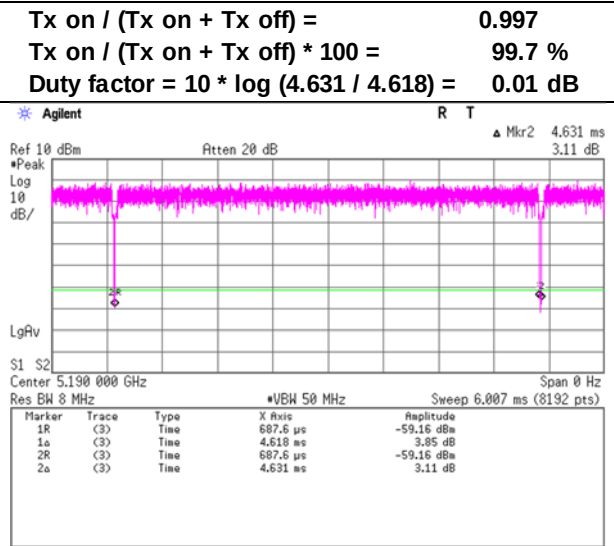
**11ax-40 [OFDM]  
MCS 10**



**11ax-40 [26-tone RU]  
MCS 10**



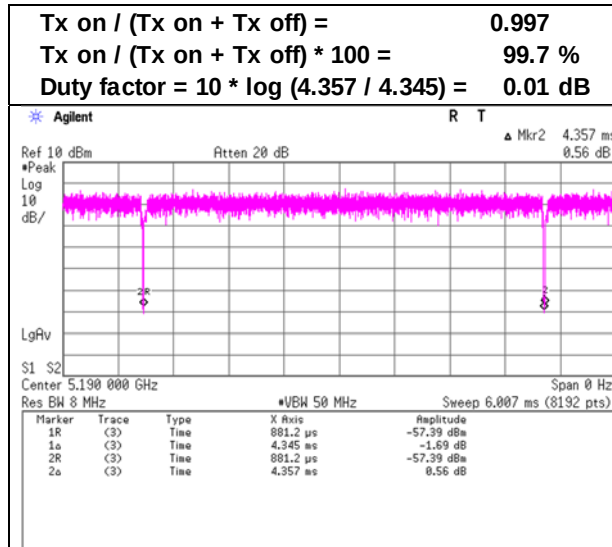
**11ax-40 [52-tone RU]  
MCS 10**



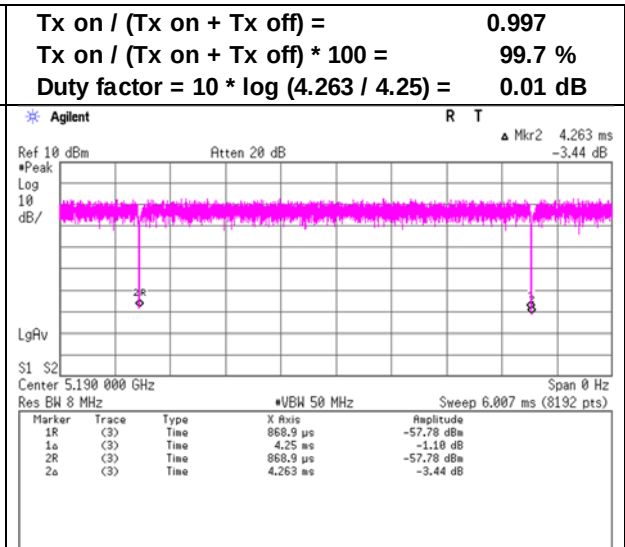
## Burst rate confirmation

|                        |                                         |                     |
|------------------------|-----------------------------------------|---------------------|
| Test place             | Ise EMC Lab. No.2 Semi Anechoic Chamber |                     |
| Date                   | July 2, 2024                            | July 3, 2024        |
| Temperature / Humidity | 22 deg. C / 68 % RH                     | 23 deg. C / 71 % RH |
| Engineer               | Tomoya Sone                             | Nachi Konegawa      |
| Mode                   | Tx                                      |                     |

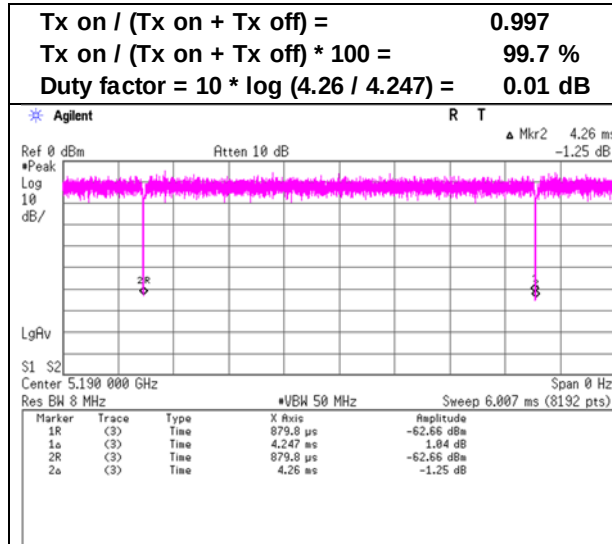
### 11ax-40 [106-tone RU] MCS 10



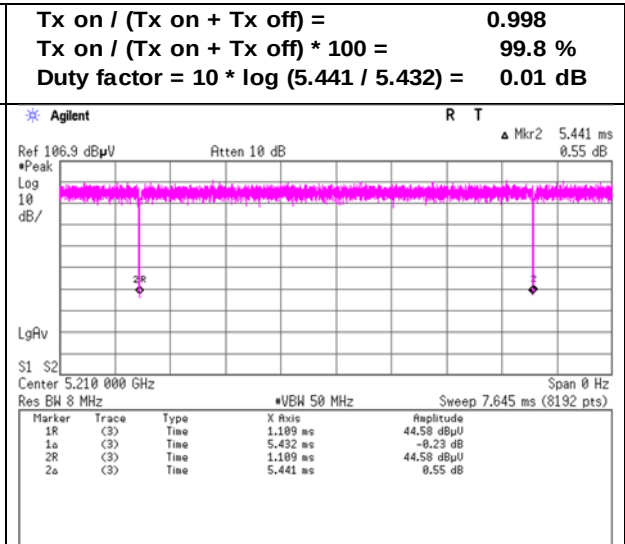
### 11ax-40 [242-tone RU] MCS 10



### 11ax-40 [484-tone RU] MCS 10



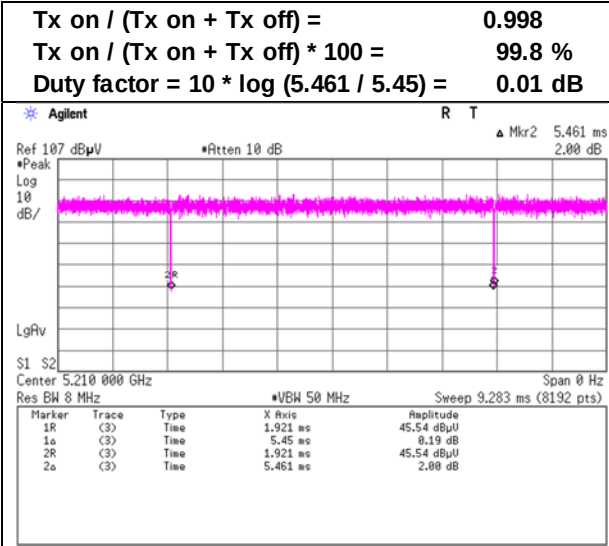
### 11ac-80 MCS 5



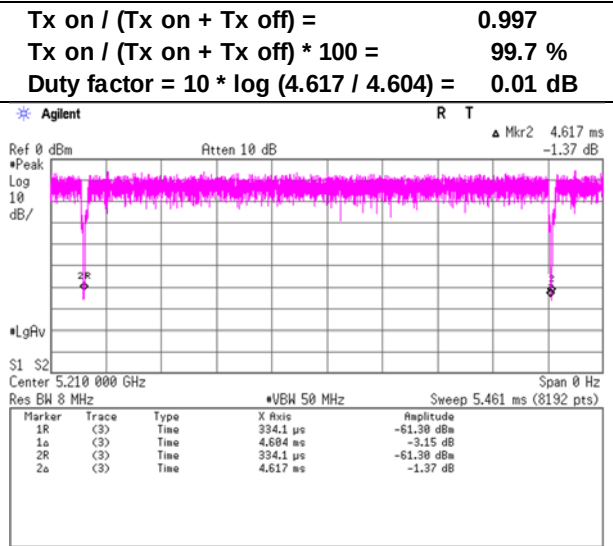
**Burst rate confirmation**

|                        |                                         |                     |
|------------------------|-----------------------------------------|---------------------|
| Test place             | Ise EMC Lab. No.2 Semi Anechoic Chamber |                     |
| Date                   | July 2, 2024                            | July 3, 2024        |
| Temperature / Humidity | 23 deg. C / 70 % RH                     | 24 deg. C / 69 % RH |
| Engineer               | Nachi Konegawa                          | Tomoya Sone         |
| Mode                   | Tx                                      |                     |

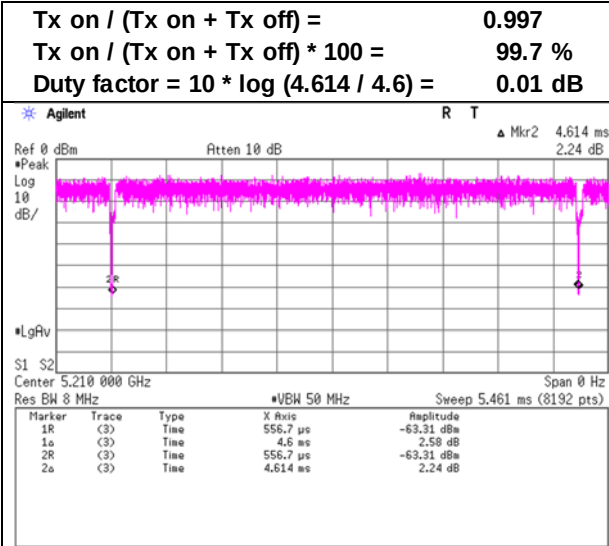
**11ax-80 [OFDM]  
MCS 7**



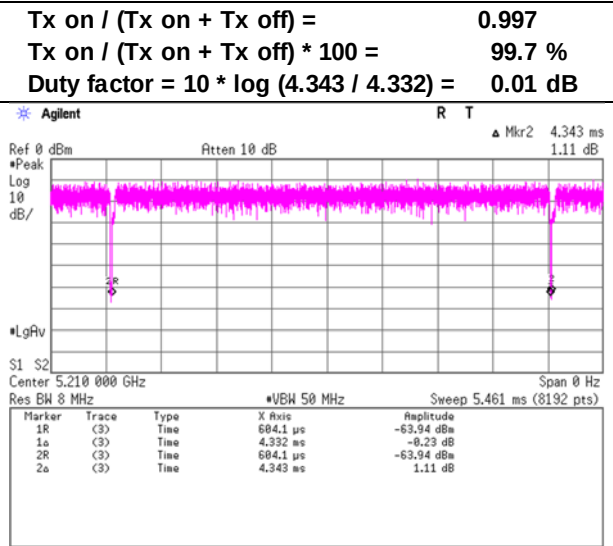
**11ax-80 [26-tone RU]  
MCS 7**



**11ax-80 [52-tone RU]  
MCS 7**



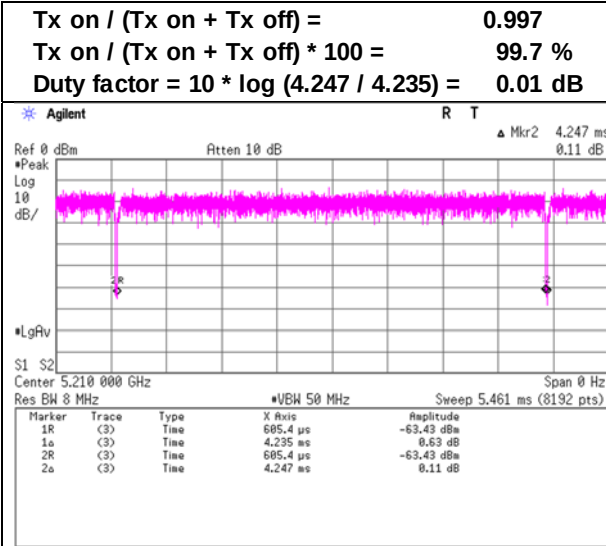
**11ax-80 [106-tone RU]  
MCS 7**



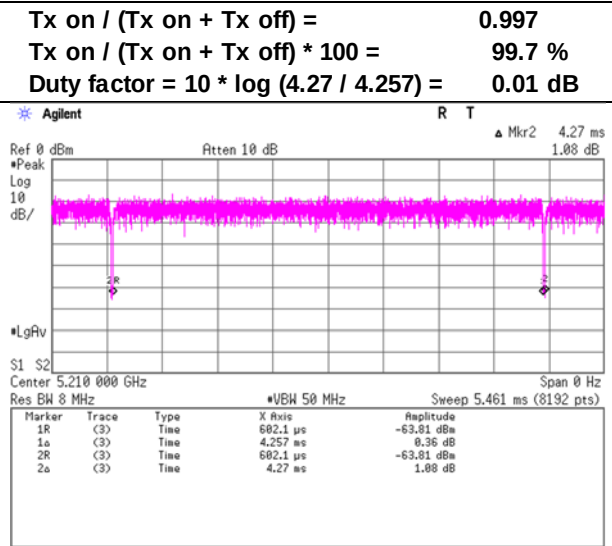
**Burst rate confirmation**

Test place                      Ise EMC Lab. No.2 Semi Anechoic Chamber  
Date                              July 3, 2024  
Temperature / Humidity        24 deg. C / 69 % RH  
Engineer                        Tomoya Sone  
Mode                              Tx

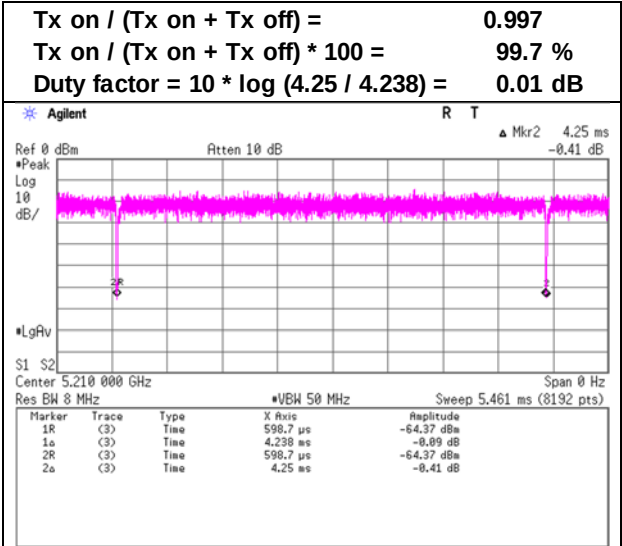
**11ax-80 [242-tone RU]  
MCS 7**



**11ax-80 [484-tone RU]  
MCS 7**



**11ax-80 [996-tone RU]  
MCS 7**



## Radiated Spurious Emission

|                        |                            |                     |                      |                      |
|------------------------|----------------------------|---------------------|----------------------|----------------------|
| Test place             | Ise EMC Lab.               |                     |                      |                      |
| Semi Anechoic Chamber  | No.2                       | No.2                | No.2                 | No.2                 |
| Date                   | July 1, 2024               | July 7, 2024        | July 8, 2024         | July 8, 2024         |
| Temperature / Humidity | 23 deg. C / 63 % RH        | 20 deg. C / 60 % RH | 23 deg. C / 70 % RH  | 23 deg. C / 70 % RH  |
| Engineer               | Tomoya Sone                | Shousei Hamaguchi   | Tomoya Sone          | Shousei Hamaguchi    |
|                        | (1 GHz to 10 GHz)          | (10 GHz to 18 GHz)  | (18 GHz to 26.5 GHz) | (26.5 GHz to 40 GHz) |
| Mode                   | Tx 11ax-20 [OFDM] 5180 MHz |                     |                      |                      |

| Polarity    | Frequency | Reading<br>(QP / PK) | Reading<br>(AV) | Ant.<br>Factor | Loss | Gain | Duty<br>Factor | Result<br>(QP / PK) | Result<br>(AV) | Limit<br>(QP / PK) | Limit<br>(AV) | Margin<br>(QP / PK) | Margin<br>(AV) | Remark      |
|-------------|-----------|----------------------|-----------------|----------------|------|------|----------------|---------------------|----------------|--------------------|---------------|---------------------|----------------|-------------|
| [Hori/Vert] | [MHz]     | [dBuV]               | [dBuV]          | [dB/m]         | [dB] | [dB] | [dB]           | [dBuV/m]            | [dBuV/m]       | [dBuV/m]           | [dBuV/m]      | [dB]                | [dB]           |             |
| Hori.       | 5000.0    | 44.9                 | 36.6            | 31.8           | 5.5  | 33.6 | -              | 48.7                | 40.4           | 73.9               | 53.9          | 25.2                | 13.5           |             |
| Hori.       | 5150.0    | 43.1                 | 32.5            | 31.9           | 5.6  | 33.5 | -              | 47.1                | 36.4           | 73.9               | 53.9          | 26.8                | 17.5           |             |
| Hori.       | 6906.7    | 47.3                 | -               | 35.0           | 6.1  | 33.4 | -              | 55.0                | -              | 68.2               | -             | 13.2                | -              |             |
| Hori.       | 10360.0   | 43.4                 | -               | 36.1           | -2.2 | 33.8 | -              | 43.4                | -              | 68.2               | -             | 24.8                | -              | Floor noise |
| Hori.       | 15540.0   | 43.0                 | 34.9            | 39.4           | -0.4 | 32.8 | -              | 49.2                | 41.2           | 73.9               | 53.9          | 24.7                | 12.8           | Floor noise |
| Vert.       | 5000.0    | 45.8                 | 37.0            | 31.8           | 5.5  | 33.6 | -              | 49.6                | 40.7           | 73.9               | 53.9          | 24.3                | 13.2           |             |
| Vert.       | 5150.0    | 43.6                 | 32.5            | 31.9           | 5.6  | 33.5 | -              | 47.6                | 36.5           | 73.9               | 53.9          | 26.3                | 17.5           |             |
| Vert.       | 6906.7    | 45.6                 | -               | 35.0           | 6.1  | 33.4 | -              | 53.3                | -              | 68.2               | -             | 14.9                | -              |             |
| Vert.       | 10360.0   | 43.4                 | -               | 36.1           | -2.2 | 33.8 | -              | 43.4                | -              | 68.2               | -             | 24.8                | -              | Floor noise |
| Vert.       | 15540.0   | 43.0                 | 34.9            | 39.4           | -0.4 | 32.8 | -              | 49.2                | 41.2           | 73.9               | 53.9          | 24.7                | 12.8           | Floor noise |

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor

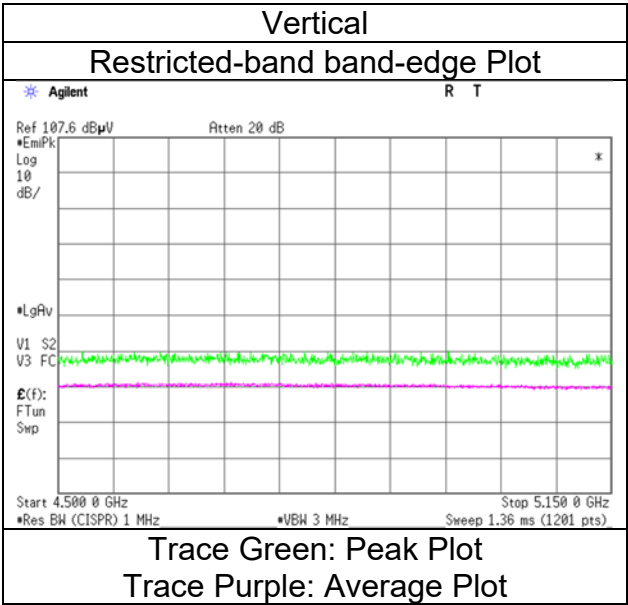
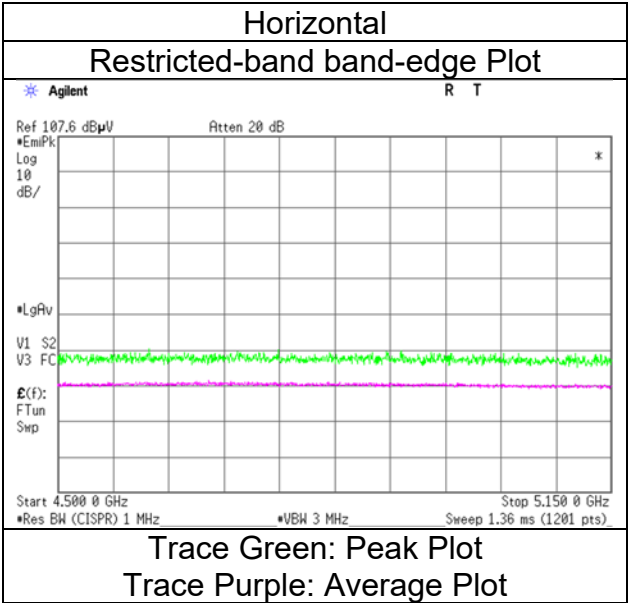
\*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

\*QP detector was used up to 1GHz.

|                  |                   |                                 |
|------------------|-------------------|---------------------------------|
| Distance factor: | 1 GHz - 6 GHz     | 20log (3.6 m / 3.0 m) = 1.59 dB |
|                  | 6 GHz - 10 GHz    | 20log (3.6 m / 3.0 m) = 1.59 dB |
|                  | 10 GHz - 26.5 GHz | 20log (1.0 m / 3.0 m) = -9.5 dB |

**Radiated Spurious Emission**

|                        |                            |
|------------------------|----------------------------|
| Test place             | Ise EMC Lab.               |
| Semi Anechoic Chamber  | No.2                       |
| Date                   | July 1, 2024               |
| Temperature / Humidity | 23 deg. C / 63 % RH        |
| Engineer               | Tomoya Sone                |
|                        | (1 GHz to 10 GHz)          |
| Mode                   | Tx 11ax-20 [OFDM] 5180 MHz |



\* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.  
Final result of restricted band edge was shown in tabular data.

**Radiated Spurious Emission**

Test place                      Ise EMC Lab.  
Semi Anechoic Chamber      No.2                              No.2                              No.2                              No.2  
Date                              July 1, 2024                      July 7, 2024                      July 8, 2024                      July 8, 2024  
Temperature / Humidity      23 deg. C / 63 % RH          20 deg. C / 60 % RH          23 deg. C / 70 % RH          23 deg. C / 70 % RH  
Engineer                        Tomoya Sone                      Shousei Hamaguchi          Tomoya Sone                      Shousei Hamaguchi  
                                         (1 GHz to 10 GHz)              (10 GHz to 18 GHz)          (18 GHz to 26.5 GHz)      (26.5 GHz to 40 GHz)  
Mode                              Tx 11ax-20 [OFDM] 5220 MHz

| Polarity    | Frequency | Reading<br>(QP / PK) | Reading<br>(AV) | Ant.<br>Factor | Loss | Gain | Duty<br>Factor | Result<br>(QP / PK) | Result<br>(AV) | Limit<br>(QP / PK) | Limit<br>(AV) | Margin<br>(QP / PK) | Margin<br>(AV) | Remark      |
|-------------|-----------|----------------------|-----------------|----------------|------|------|----------------|---------------------|----------------|--------------------|---------------|---------------------|----------------|-------------|
| [Hori/Vert] | [MHz]     | [dBuV]               | [dBuV]          | [dB/m]         | [dB] | [dB] | [dB]           | [dBuV/m]            | [dBuV/m]       | [dBuV/m]           | [dBuV/m]      | [dB]                | [dB]           |             |
| Hori.       | 5000.0    | 44.9                 | 36.6            | 31.8           | 5.5  | 33.6 | -              | 48.6                | 40.3           | 73.9               | 53.9          | 25.3                | 13.6           |             |
| Hori.       | 6960.0    | 49.0                 | -               | 35.1           | 6.2  | 33.4 | -              | 56.9                | -              | 68.2               | -             | 11.3                | -              |             |
| Hori.       | 10440.0   | 41.9                 | -               | 36.1           | -2.2 | 33.8 | -              | 42.0                | -              | 68.2               | -             | 26.2                | -              | Floor noise |
| Hori.       | 15660.0   | 43.3                 | 35.5            | 39.6           | -0.4 | 32.8 | -              | 49.6                | 41.8           | 73.9               | 53.9          | 24.3                | 12.1           | Floor noise |
| Vert.       | 5000.0    | 45.9                 | 36.9            | 31.8           | 5.5  | 33.6 | -              | 49.6                | 40.6           | 73.9               | 53.9          | 24.3                | 13.3           |             |
| Vert.       | 6960.0    | 46.1                 | -               | 35.1           | 6.2  | 33.4 | -              | 54.0                | -              | 68.2               | -             | 14.2                | -              |             |
| Vert.       | 10440.0   | 41.9                 | -               | 36.1           | -2.2 | 33.8 | -              | 42.0                | -              | 68.2               | -             | 26.2                | -              | Floor noise |
| Vert.       | 15660.0   | 43.3                 | 35.5            | 39.6           | -0.4 | 32.8 | -              | 49.6                | 41.8           | 73.9               | 53.9          | 24.3                | 12.1           | Floor noise |

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)  
Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor  
\*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).  
\*QP detector was used up to 1GHz.

Distance factor:              1 GHz - 6 GHz              20log (3.6 m / 3.0 m) = 1.59 dB  
                                      6 GHz - 10 GHz             20log (3.6 m / 3.0 m) = 1.59 dB  
                                      10 GHz - 26.5 GHz        20log (1.0 m / 3.0 m) = -9.5 dB

Radiated Spurious Emission

Test place                   Ise EMC Lab.  
Semi Anechoic Chamber   No.2                               No.2                               No.2                               No.2  
Date                        July 1, 2024                       July 7, 2024                       July 8, 2024                       July 8, 2024  
Temperature / Humidity   23 deg. C / 63 % RH           20 deg. C / 60 % RH           23 deg. C / 70 % RH           23 deg. C / 70 % RH  
Engineer                  Tomoya Sone                    Shousei Hamaguchi           Tomoya Sone                   Shousei Hamaguchi  
Mode                       Tx 11ax-20 [OFDM] 5240 MHz   (1 GHz to 10 GHz)           (10 GHz to 18 GHz)           (18 GHz to 26.5 GHz)       (26.5 GHz to 40 GHz)

| Polarity    | Frequency | Reading<br>(QP / PK) | Reading<br>(AV) | Ant.<br>Factor | Loss | Gain | Duty<br>Factor | Result<br>(QP / PK) | Result<br>(AV) | Limit<br>(QP / PK) | Limit<br>(AV) | Margin<br>(QP / PK) | Margin<br>(AV) | Remark      |
|-------------|-----------|----------------------|-----------------|----------------|------|------|----------------|---------------------|----------------|--------------------|---------------|---------------------|----------------|-------------|
| [Hori/Vert] | [MHz]     | [dBuV]               | [dBuV]          | [dB/m]         | [dB] | [dB] | [dB]           | [dBuV/m]            | [dBuV/m]       | [dBuV/m]           | [dBuV/m]      | [dB]                | [dB]           |             |
| Hori.       | 5000.0    | 44.8                 | 36.6            | 31.8           | 5.5  | 33.6 | -              | 48.5                | 40.4           | 73.9               | 53.9          | 25.4                | 13.5           |             |
| Hori.       | 5350.0    | 43.8                 | 32.9            | 31.7           | 5.7  | 33.4 | -              | 47.8                | 36.8           | 73.9               | 53.9          | 26.1                | 17.1           |             |
| Hori.       | 6986.8    | 48.4                 | -               | 35.2           | 6.2  | 33.4 | -              | 56.4                | -              | 68.2               | -             | 11.8                | -              |             |
| Hori.       | 10480.0   | 41.5                 | -               | 36.1           | -2.2 | 33.8 | -              | 41.7                | -              | 68.2               | -             | 26.5                | -              | Floor noise |
| Hori.       | 15720.0   | 42.7                 | 34.7            | 39.6           | -0.4 | 32.9 | -              | 49.1                | 41.1           | 73.9               | 53.9          | 24.8                | 12.9           | Floor noise |
| Vert.       | 5000.0    | 45.7                 | 36.8            | 31.8           | 5.5  | 33.6 | -              | 49.5                | 40.5           | 73.9               | 53.9          | 24.4                | 13.4           |             |
| Vert.       | 5350.0    | 43.4                 | 33.0            | 31.7           | 5.7  | 33.4 | -              | 47.3                | 36.9           | 73.9               | 53.9          | 26.6                | 17.0           |             |
| Vert.       | 6986.8    | 45.7                 | -               | 35.2           | 6.2  | 33.4 | -              | 53.7                | -              | 68.2               | -             | 14.6                | -              |             |
| Vert.       | 10480.0   | 41.5                 | -               | 36.1           | -2.2 | 33.8 | -              | 41.7                | -              | 68.2               | -             | 26.5                | -              | Floor noise |
| Vert.       | 15720.0   | 42.7                 | 34.7            | 39.6           | -0.4 | 32.9 | -              | 49.1                | 41.1           | 73.9               | 53.9          | 24.8                | 12.9           | Floor noise |

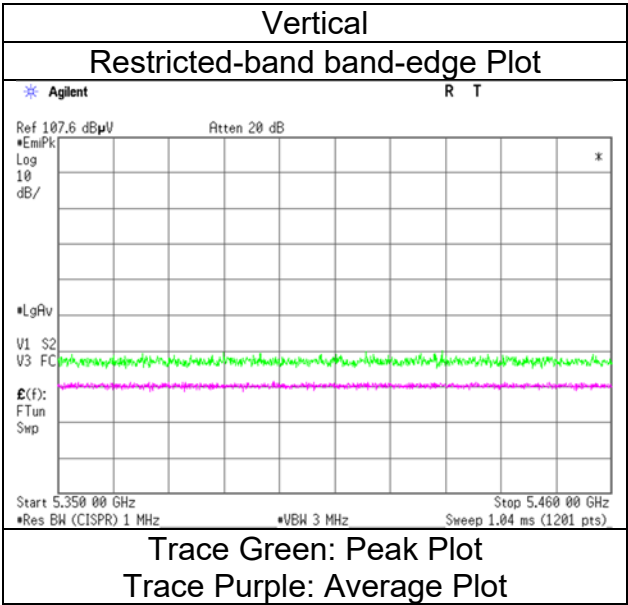
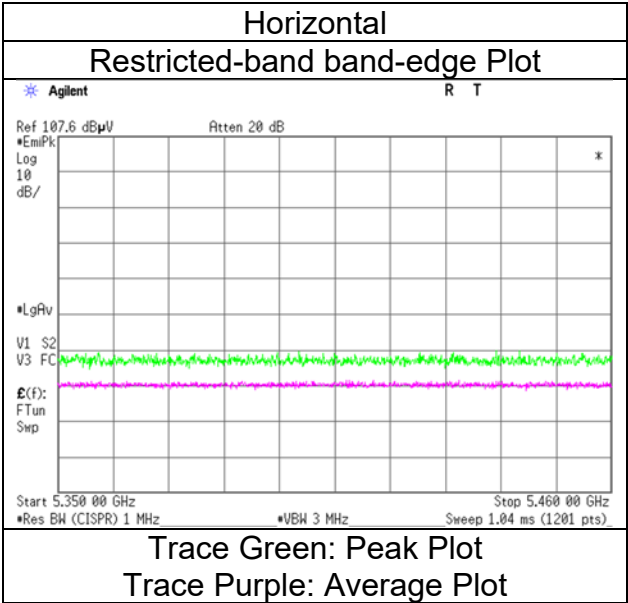
Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)  
Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor  
\*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).  
\*QP detector was used up to 1GHz.

Distance factor:           1 GHz - 6 GHz           20log (3.6 m / 3.0 m) = 1.59 dB  
                              6 GHz - 10 GHz       20log (3.6 m / 3.0 m) = 1.59 dB  
                              10 GHz - 26.5 GHz   20log (1.0 m / 3.0 m) = -9.5 dB

**Radiated Spurious Emission**

Test place  
Semi Anechoic Chamber  
Date  
Temperature / Humidity  
Engineer  
  
Mode

Ise EMC Lab.  
No.2  
July 1, 2024  
23 deg. C / 63 % RH  
Tomoya Sone  
(1 GHz to 10 GHz)  
Tx 11ax-20 [OFDM] 5240 MHz



\* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.  
Final result of restricted band edge was shown in tabular data.

## Radiated Spurious Emission

|                        |                            |                     |                      |                      |
|------------------------|----------------------------|---------------------|----------------------|----------------------|
| Test place             | Ise EMC Lab.               |                     |                      |                      |
| Semi Anechoic Chamber  | No.2                       | No.2                | No.2                 | No.2                 |
| Date                   | July 1, 2024               | July 7, 2024        | July 8, 2024         | July 8, 2024         |
| Temperature / Humidity | 23 deg. C / 63 % RH        | 20 deg. C / 60 % RH | 23 deg. C / 70 % RH  | 23 deg. C / 70 % RH  |
| Engineer               | Tomoya Sone                | Shousei Hamaguchi   | Tomoya Sone          | Shousei Hamaguchi    |
|                        | (1 GHz to 10 GHz)          | (10 GHz to 18 GHz)  | (18 GHz to 26.5 GHz) | (26.5 GHz to 40 GHz) |
| Mode                   | Tx 11ax-20 [OFDM] 5745 MHz |                     |                      |                      |

| Polarity    | Frequency | Reading<br>(QP / PK) | Reading<br>(AV) | Ant.<br>Factor | Loss | Gain | Duty<br>Factor | Result<br>(QP / PK) | Result<br>(AV) | Limit<br>(QP / PK) | Limit<br>(AV) | Margin<br>(QP / PK) | Margin<br>(AV) | Remark      |
|-------------|-----------|----------------------|-----------------|----------------|------|------|----------------|---------------------|----------------|--------------------|---------------|---------------------|----------------|-------------|
| [Hori/Vert] | [MHz]     | [dBuV]               | [dBuV]          | [dB/m]         | [dB] | [dB] | [dB]           | [dBuV/m]            | [dBuV/m]       | [dBuV/m]           | [dBuV/m]      | [dB]                | [dB]           |             |
| Hori.       | 5000.0    | 44.9                 | 36.8            | 31.8           | 5.5  | 33.6 | -              | 48.7                | 40.5           | 73.9               | 53.9          | 25.2                | 13.4           |             |
| Hori.       | 5650.0    | 43.7                 | -               | 31.8           | 5.8  | 33.4 | -              | 47.9                | -              | 68.2               | -             | 20.3                | -              |             |
| Hori.       | 5700.0    | 43.6                 | -               | 31.9           | 5.8  | 33.4 | -              | 48.0                | -              | 105.2              | -             | 57.2                | -              |             |
| Hori.       | 5720.0    | 43.0                 | -               | 32.0           | 5.8  | 33.4 | -              | 47.4                | -              | 110.8              | -             | 63.5                | -              |             |
| Hori.       | 5725.0    | 43.4                 | -               | 32.0           | 5.8  | 33.4 | -              | 47.8                | -              | 122.2              | -             | 74.4                | -              |             |
| Hori.       | 11490.0   | 40.8                 | 32.6            | 37.7           | -1.7 | 33.2 | -              | 43.6                | 35.5           | 73.9               | 53.9          | 30.3                | 18.5           | Floor noise |
| Hori.       | 17235.0   | 42.8                 | -               | 39.9           | -0.1 | 32.2 | -              | 50.5                | -              | 68.2               | -             | 17.7                | -              | Floor noise |
| Vert.       | 5000.0    | 45.9                 | 36.9            | 31.8           | 5.5  | 33.6 | -              | 49.6                | 40.6           | 73.9               | 53.9          | 24.3                | 13.3           |             |
| Vert.       | 5650.0    | 43.9                 | -               | 31.8           | 5.8  | 33.4 | -              | 48.1                | -              | 68.2               | -             | 20.1                | -              |             |
| Vert.       | 5700.0    | 42.9                 | -               | 31.9           | 5.8  | 33.4 | -              | 47.2                | -              | 105.2              | -             | 58.0                | -              |             |
| Vert.       | 5720.0    | 43.1                 | -               | 32.0           | 5.8  | 33.4 | -              | 47.5                | -              | 110.8              | -             | 63.3                | -              |             |
| Vert.       | 5725.0    | 43.1                 | -               | 32.0           | 5.8  | 33.4 | -              | 47.5                | -              | 122.2              | -             | 74.7                | -              |             |
| Vert.       | 11490.0   | 40.8                 | 32.6            | 37.7           | -1.7 | 33.2 | -              | 43.6                | 35.5           | 73.9               | 53.9          | 30.3                | 18.5           | Floor noise |
| Vert.       | 17235.0   | 42.8                 | -               | 39.9           | -0.1 | 32.2 | -              | 50.5                | -              | 68.2               | -             | 17.7                | -              | Floor noise |

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor

\*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

\*QP detector was used up to 1GHz.

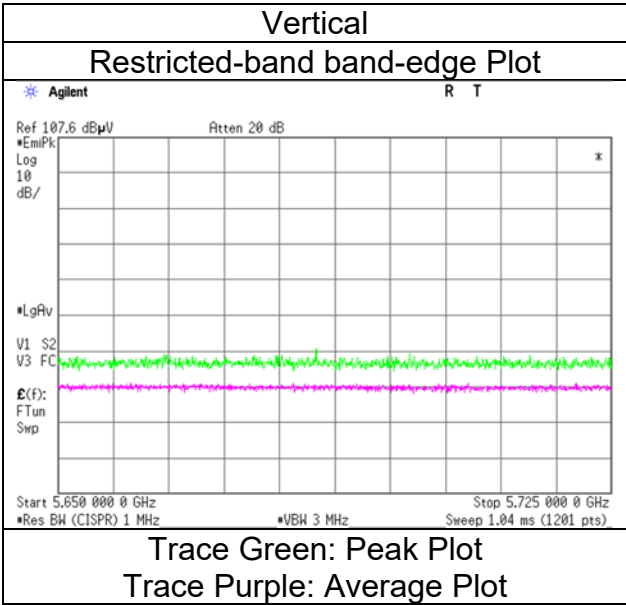
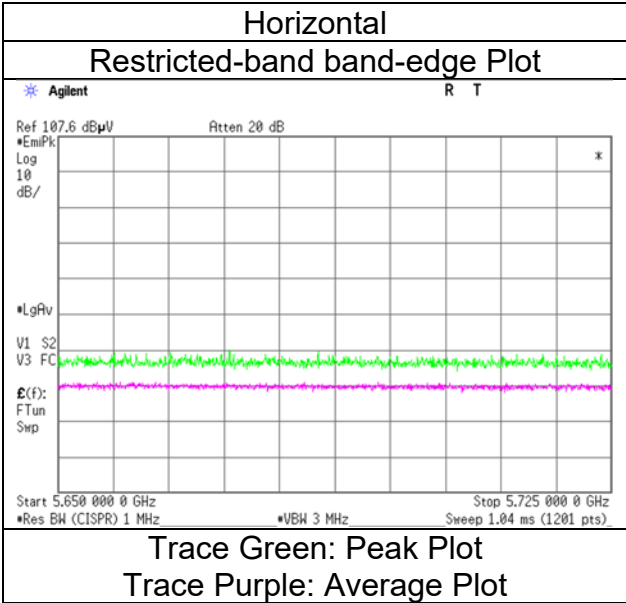
Distance factor:

|                   |                                 |
|-------------------|---------------------------------|
| 1 GHz - 6 GHz     | 20log (3.6 m / 3.0 m) = 1.59 dB |
| 6 GHz - 10 GHz    | 20log (3.6 m / 3.0 m) = 1.59 dB |
| 10 GHz - 26.5 GHz | 20log (1.0 m / 3.0 m) = -9.5 dB |

**Radiated Spurious Emission**

Test place  
Semi Anechoic Chamber  
Date  
Temperature / Humidity  
Engineer  
  
Mode

Ise EMC Lab.  
No.2  
July 1, 2024  
23 deg. C / 63 % RH  
Tomoya Sone  
(1 GHz to 10 GHz)  
Tx 11ax-20 [OFDM] 5745 MHz



\* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.  
Final result of restricted band edge was shown in tabular data.

## Radiated Spurious Emission

|                        |                            |                     |                      |                      |
|------------------------|----------------------------|---------------------|----------------------|----------------------|
| Test place             | Ise EMC Lab.               |                     |                      |                      |
| Semi Anechoic Chamber  | No.2                       | No.2                | No.2                 | No.2                 |
| Date                   | July 1, 2024               | July 7, 2024        | July 8, 2024         | July 8, 2024         |
| Temperature / Humidity | 23 deg. C / 63 % RH        | 20 deg. C / 60 % RH | 23 deg. C / 70 % RH  | 23 deg. C / 70 % RH  |
| Engineer               | Tomoya Sone                | Shousei Hamaguchi   | Tomoya Sone          | Shousei Hamaguchi    |
|                        | (1 GHz to 10 GHz)          | (10 GHz to 18 GHz)  | (18 GHz to 26.5 GHz) | (26.5 GHz to 40 GHz) |
| Mode                   | Tx 11ax-20 [OFDM] 5785 MHz |                     |                      |                      |

| Polarity    | Frequency | Reading<br>(QP / PK) | Reading<br>(AV) | Ant.<br>Factor | Loss | Gain | Duty<br>Factor | Result<br>(QP / PK) | Result<br>(AV) | Limit<br>(QP / PK) | Limit<br>(AV) | Margin<br>(QP / PK) | Margin<br>(AV) | Remark      |
|-------------|-----------|----------------------|-----------------|----------------|------|------|----------------|---------------------|----------------|--------------------|---------------|---------------------|----------------|-------------|
| [Hori/Vert] | [MHz]     | [dBuV]               | [dBuV]          | [dB/m]         | [dB] | [dB] | [dB]           | [dBuV/m]            | [dBuV/m]       | [dBuV/m]           | [dBuV/m]      | [dB]                | [dB]           |             |
| Hori.       | 5000.0    | 44.9                 | 36.6            | 31.8           | 5.5  | 33.6 | -              | 48.6                | 40.4           | 73.9               | 53.9          | 25.3                | 13.5           |             |
| Hori.       | 11570.0   | 40.3                 | 32.2            | 37.8           | -1.6 | 33.2 | -              | 43.2                | 35.1           | 73.9               | 53.9          | 30.7                | 18.8           | Floor noise |
| Hori.       | 17355.0   | 42.1                 | -               | 40.1           | 0.0  | 32.2 | -              | 50.0                | -              | 68.2               | -             | 18.2                | -              | Floor noise |
| Vert.       | 5000.0    | 45.8                 | 36.7            | 31.8           | 5.5  | 33.6 | -              | 49.5                | 40.5           | 73.9               | 53.9          | 24.4                | 13.4           |             |
| Vert.       | 11570.0   | 40.3                 | 32.2            | 37.8           | -1.6 | 33.2 | -              | 43.2                | 35.1           | 73.9               | 53.9          | 30.7                | 18.8           | Floor noise |
| Vert.       | 17355.0   | 42.1                 | -               | 40.1           | 0.0  | 32.2 | -              | 50.0                | -              | 68.2               | -             | 18.2                | -              | Floor noise |

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor

\*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

\*QP detector was used up to 1GHz.

|                  |                   |                                 |
|------------------|-------------------|---------------------------------|
| Distance factor: | 1 GHz - 6 GHz     | 20log (3.6 m / 3.0 m) = 1.59 dB |
|                  | 6 GHz - 10 GHz    | 20log (3.6 m / 3.0 m) = 1.59 dB |
|                  | 10 GHz - 26.5 GHz | 20log (1.0 m / 3.0 m) = -9.5 dB |

## Radiated Spurious Emission

|                        |                            |                     |                      |                      |
|------------------------|----------------------------|---------------------|----------------------|----------------------|
| Test place             | Ise EMC Lab.               |                     |                      |                      |
| Semi Anechoic Chamber  | No.2                       | No.2                | No.2                 | No.2                 |
| Date                   | July 1, 2024               | July 7, 2024        | July 8, 2024         | July 8, 2024         |
| Temperature / Humidity | 23 deg. C / 63 % RH        | 20 deg. C / 60 % RH | 23 deg. C / 70 % RH  | 23 deg. C / 70 % RH  |
| Engineer               | Tomoya Sone                | Shousei Hamaguchi   | Tomoya Sone          | Shousei Hamaguchi    |
|                        | (1 GHz to 10 GHz)          | (10 GHz to 18 GHz)  | (18 GHz to 26.5 GHz) | (26.5 GHz to 40 GHz) |
| Mode                   | Tx 11ax-20 [OFDM] 5825 MHz |                     |                      |                      |

| Polarity    | Frequency | Reading<br>(QP / PK) | Reading<br>(AV) | Ant.<br>Factor | Loss | Gain | Duty<br>Factor | Result<br>(QP / PK) | Result<br>(AV) | Limit<br>(QP / PK) | Limit<br>(AV) | Margin<br>(QP / PK) | Margin<br>(AV) | Remark      |
|-------------|-----------|----------------------|-----------------|----------------|------|------|----------------|---------------------|----------------|--------------------|---------------|---------------------|----------------|-------------|
| [Hori/Vert] | [MHz]     | [dBuV]               | [dBuV]          | [dB/m]         | [dB] | [dB] | [dB]           | [dBuV/m]            | [dBuV/m]       | [dBuV/m]           | [dBuV/m]      | [dB]                | [dB]           |             |
| Hori.       | 5000.0    | 45.0                 | 36.8            | 31.8           | 5.5  | 33.6 | -              | 48.7                | 40.5           | 73.9               | 53.9          | 25.2                | 13.4           |             |
| Hori.       | 5850.0    | 42.6                 | -               | 32.3           | 5.9  | 33.4 | -              | 47.4                | -              | 122.2              | -             | 74.8                | -              |             |
| Hori.       | 5855.0    | 42.6                 | -               | 32.3           | 5.9  | 33.4 | -              | 47.3                | -              | 110.8              | -             | 63.5                | -              |             |
| Hori.       | 5875.0    | 43.2                 | -               | 32.3           | 5.9  | 33.4 | -              | 48.0                | -              | 105.2              | -             | 57.2                | -              |             |
| Hori.       | 5925.0    | 42.7                 | -               | 32.4           | 5.9  | 33.4 | -              | 47.6                | -              | 68.2               | -             | 20.6                | -              |             |
| Hori.       | 11650.0   | 40.2                 | 32.9            | 37.8           | -1.6 | 33.2 | -              | 43.2                | 35.9           | 73.9               | 53.9          | 30.7                | 18.0           | Floor noise |
| Hori.       | 17475.0   | 41.9                 | -               | 40.2           | 0.0  | 32.2 | -              | 50.0                | -              | 68.2               | -             | 18.2                | -              | Floor noise |
| Vert.       | 5000.0    | 45.9                 | 36.9            | 31.8           | 5.5  | 33.6 | -              | 49.6                | 40.6           | 73.9               | 53.9          | 24.3                | 13.3           |             |
| Vert.       | 5850.0    | 43.1                 | -               | 32.3           | 5.9  | 33.4 | -              | 47.8                | -              | 122.2              | -             | 74.4                | -              |             |
| Vert.       | 5855.0    | 42.8                 | -               | 32.3           | 5.9  | 33.4 | -              | 47.6                | -              | 110.8              | -             | 63.2                | -              |             |
| Vert.       | 5875.0    | 42.5                 | -               | 32.3           | 5.9  | 33.4 | -              | 47.3                | -              | 105.2              | -             | 57.9                | -              |             |
| Vert.       | 5925.0    | 43.1                 | -               | 32.4           | 5.9  | 33.4 | -              | 48.0                | -              | 68.2               | -             | 20.2                | -              |             |
| Vert.       | 11650.0   | 40.2                 | 32.9            | 37.8           | -1.6 | 33.2 | -              | 43.2                | 35.9           | 73.9               | 53.9          | 30.7                | 18.0           | Floor noise |
| Vert.       | 17475.0   | 41.9                 | -               | 40.2           | 0.0  | 32.2 | -              | 50.0                | -              | 68.2               | -             | 18.2                | -              | Floor noise |

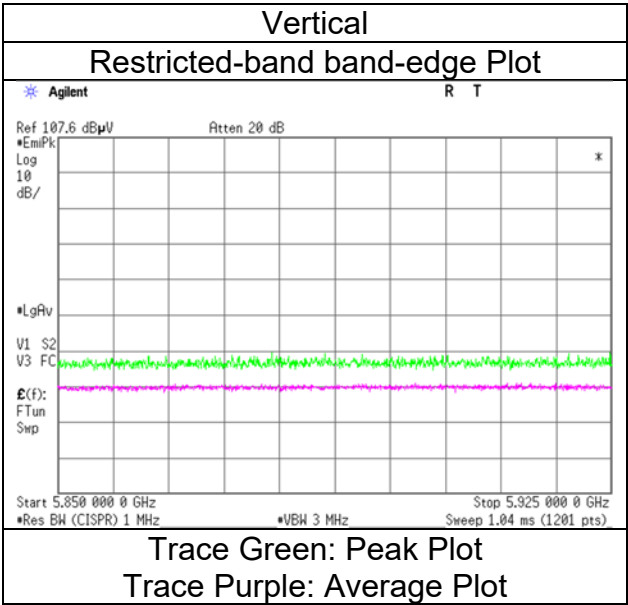
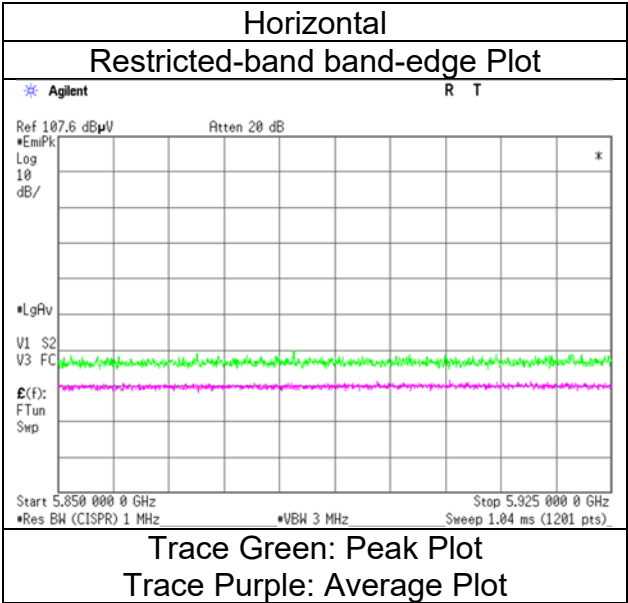
Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)  
Result (AV) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor  
\*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).  
\*QP detector was used up to 1GHz.

Distance factor:      1 GHz- 6 GHz              20log (3.6 m / 3.0 m) = 1.59 dB  
                                 6 GHz- 10 GHz            20log (3.6 m / 3.0 m) = 1.59 dB  
                                 10 GHz- 26.5 GHz        20log (1.0 m / 3.0 m) = -9.5 dB

**Radiated Spurious Emission**

Test place  
Semi Anechoic Chamber  
Date  
Temperature / Humidity  
Engineer  
  
Mode

Ise EMC Lab.  
No.2  
July 1, 2024  
23 deg. C / 63 % RH  
Tomoya Sone  
(1 GHz to 10 GHz)  
Tx 11ax-20 [OFDM] 5825 MHz



\* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.  
Final result of restricted band edge was shown in tabular data.

## Radiated Spurious Emission

|                        |                                          |
|------------------------|------------------------------------------|
| Test place             | Ise EMC Lab.                             |
| Semi Anechoic Chamber  | No.2                                     |
| Date                   | July 2, 2024                             |
| Temperature / Humidity | 22 deg. C / 68 % RH                      |
| Engineer               | Tomoya Sone                              |
|                        | (1 GHz to 6 GHz)                         |
| Mode                   | Tx 11ax-20 [26-tone RU/Index 0] 5180 MHz |

| Polarity    | Frequency | Reading<br>(QP / PK) | Reading<br>(AV) | Ant.<br>Factor | Loss | Gain | Duty<br>Factor | Result<br>(QP / PK) | Result<br>(AV) | Limit<br>(QP / PK) | Limit<br>(AV) | Margin<br>(QP / PK) | Margin<br>(AV) | Remark |
|-------------|-----------|----------------------|-----------------|----------------|------|------|----------------|---------------------|----------------|--------------------|---------------|---------------------|----------------|--------|
| [Hori/Vert] | [MHz]     | [dBuV]               | [dBuV]          | [dB/m]         | [dB] | [dB] | [dB]           | [dBuV/m]            | [dBuV/m]       | [dBuV/m]           | [dBuV/m]      | [dB]                | [dB]           |        |
| Hori.       | 5150.0    | 43.3                 | 32.7            | 31.9           | 5.5  | 33.5 | -              | 47.2                | 36.6           | 73.9               | 53.9          | 26.7                | 17.3           |        |
| Vert.       | 5150.0    | 43.4                 | 33.0            | 31.9           | 5.5  | 33.5 | -              | 47.3                | 36.9           | 73.9               | 53.9          | 26.6                | 17.0           |        |

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

$$\text{Result (AV)} = \text{Reading} + \text{Ant Factor} + \text{Loss (Cable+Attenuator+Filter+Distance factor (above 1 GHz))} - \text{Gain (Amplifier)} + \text{Duty factor}$$

\*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

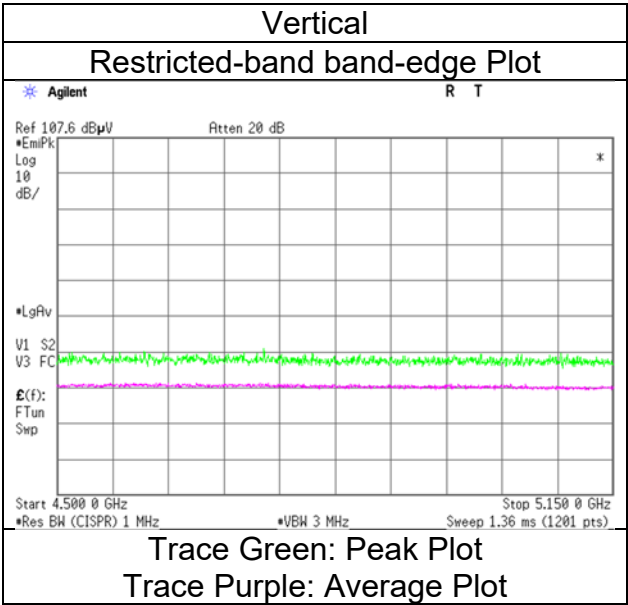
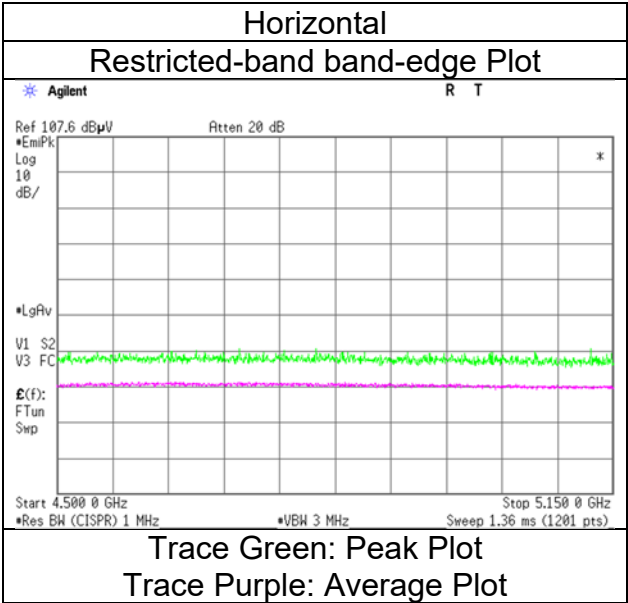
\*QP detector was used up to 1 GHz.

Distance factor: 1 GHz - 6 GHz       $20\log (3.6 \text{ m} / 3.0 \text{ m}) = 1.59 \text{ dB}$

**Radiated Spurious Emission**

Test place  
Semi Anechoic Chamber  
Date  
Temperature / Humidity  
Engineer  
  
Mode

Ise EMC Lab.  
No.2  
July 2, 2024  
22 deg. C / 68 % RH  
Tomoya Sone  
(1 GHz to 6 GHz)  
Tx 11ax-20 [26-tone RU/Index 0] 5180 MHz



\* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.  
Final result of restricted band edge was shown in tabular data.

## Radiated Spurious Emission

|                        |                                           |
|------------------------|-------------------------------------------|
| Test place             | Ise EMC Lab.                              |
| Semi Anechoic Chamber  | No.2                                      |
| Date                   | July 2, 2024                              |
| Temperature / Humidity | 22 deg. C / 68 % RH                       |
| Engineer               | Tomoya Sone<br>(1 GHz to 6 GHz)           |
| Mode                   | Tx 11ax-20 [52-tone RU/Index 37] 5180 MHz |

| Polarity    | Frequency | Reading<br>(QP / PK) | Reading<br>(AV) | Ant.<br>Factor | Loss | Gain | Duty<br>Factor | Result<br>(QP / PK) | Result<br>(AV) | Limit<br>(QP / PK) | Limit<br>(AV) | Margin<br>(QP / PK) | Margin<br>(AV) | Remark |
|-------------|-----------|----------------------|-----------------|----------------|------|------|----------------|---------------------|----------------|--------------------|---------------|---------------------|----------------|--------|
| [Hori/Vert] | [MHz]     | [dBuV]               | [dBuV]          | [dB/m]         | [dB] | [dB] | [dB]           | [dBuV/m]            | [dBuV/m]       | [dBuV/m]           | [dBuV/m]      | [dB]                | [dB]           |        |
| Hori.       | 5150.0    | 43.5                 | 32.9            | 31.9           | 5.5  | 33.5 | -              | 47.4                | 36.8           | 73.9               | 53.9          | 26.5                | 17.1           |        |
| Vert.       | 5150.0    | 43.9                 | 33.1            | 31.9           | 5.5  | 33.5 | -              | 47.7                | 37.0           | 73.9               | 53.9          | 26.2                | 16.9           |        |

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

$$\text{Result (AV)} = \text{Reading} + \text{Ant Factor} + \text{Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz))} - \text{Gain(Amplifier)} + \text{Duty factor}$$

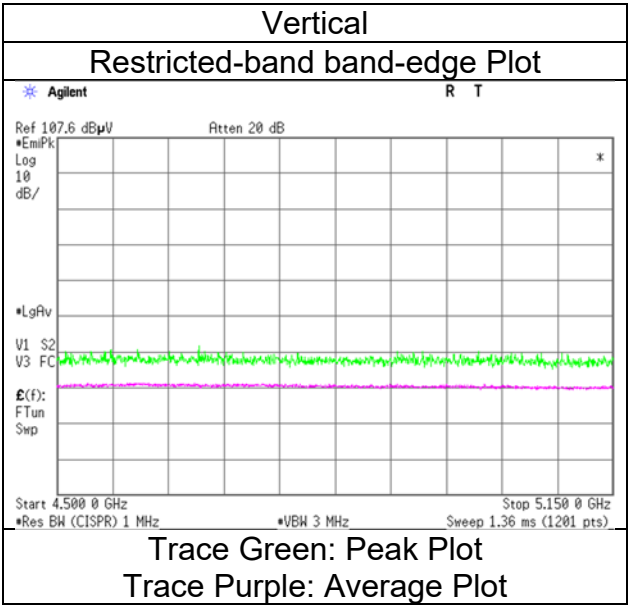
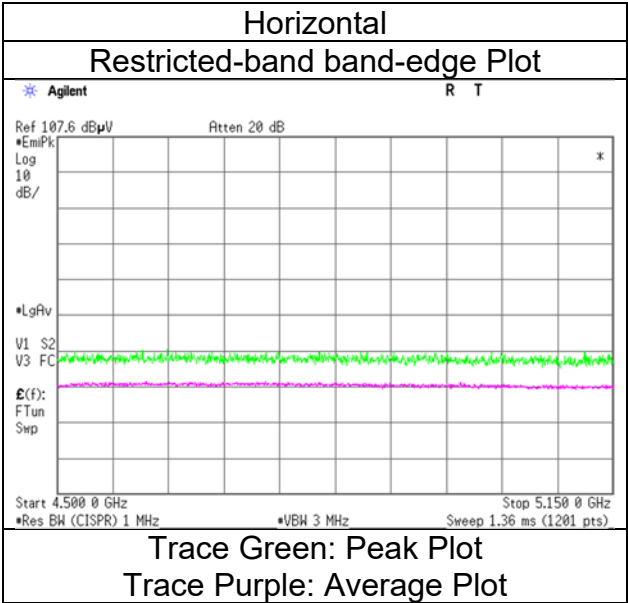
\*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

\*QP detector was used up to 1 GHz.

Distance factor:            1 GHz - 6 GHz             $20\log (3.6 \text{ m} / 3.0 \text{ m}) = 1.59 \text{ dB}$

**Radiated Spurious Emission**

|                        |                                           |
|------------------------|-------------------------------------------|
| Test place             | Ise EMC Lab.                              |
| Semi Anechoic Chamber  | No.2                                      |
| Date                   | July 2, 2024                              |
| Temperature / Humidity | 22 deg. C / 68 % RH                       |
| Engineer               | Tomoya Sone                               |
|                        | (1 GHz to 6 GHz)                          |
| Mode                   | Tx 11ax-20 [52-tone RU/Index 37] 5180 MHz |



\* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.  
Final result of restricted band edge was shown in tabular data.

## Radiated Spurious Emission

|                        |                                            |
|------------------------|--------------------------------------------|
| Test place             | Ise EMC Lab.                               |
| Semi Anechoic Chamber  | No.2                                       |
| Date                   | July 2, 2024                               |
| Temperature / Humidity | 22 deg. C / 68 % RH                        |
| Engineer               | Tomoya Sone                                |
|                        | (1 GHz to 6 GHz)                           |
| Mode                   | Tx 11ax-20 [106-tone RU/Index 53] 5180 MHz |

| Polarity    | Frequency | Reading<br>(QP / PK) | Reading<br>(AV) | Ant.<br>Factor | Loss | Gain | Duty<br>Factor | Result<br>(QP / PK) | Result<br>(AV) | Limit<br>(QP / PK) | Limit<br>(AV) | Margin<br>(QP / PK) | Margin<br>(AV) | Remark |
|-------------|-----------|----------------------|-----------------|----------------|------|------|----------------|---------------------|----------------|--------------------|---------------|---------------------|----------------|--------|
| [Hori/Vert] | [MHz]     | [dBuV]               | [dBuV]          | [dB/m]         | [dB] | [dB] | [dB]           | [dBuV/m]            | [dBuV/m]       | [dBuV/m]           | [dBuV/m]      | [dB]                | [dB]           |        |
| Hori.       | 5150.0    | 42.7                 | 32.6            | 31.9           | 5.5  | 33.5 | -              | 46.6                | 36.5           | 73.9               | 53.9          | 27.3                | 17.4           |        |
| Vert.       | 5150.0    | 43.9                 | 35.2            | 31.9           | 5.5  | 33.5 | -              | 47.8                | 39.1           | 73.9               | 53.9          | 26.1                | 14.8           |        |

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

$$\text{Result (AV)} = \text{Reading} + \text{Ant Factor} + \text{Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz))} - \text{Gain(Amplifier)} + \text{Duty factor}$$

\*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

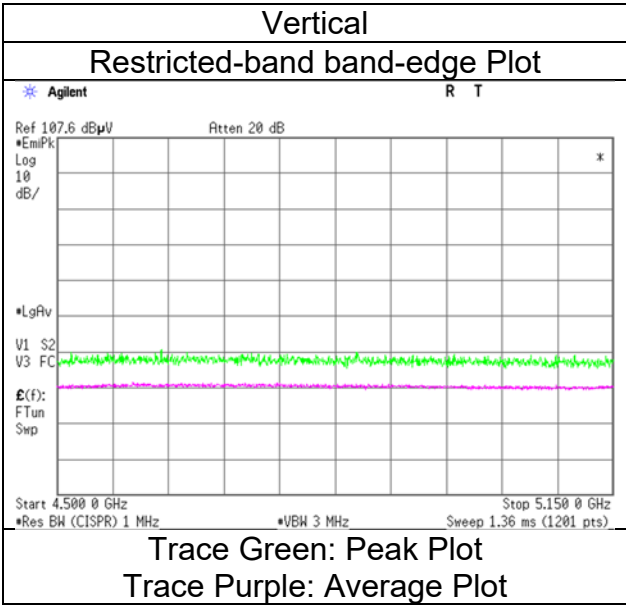
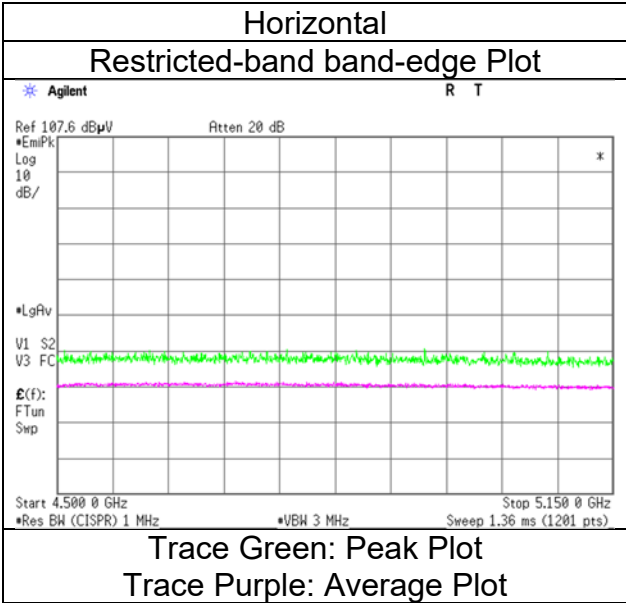
\*QP detector was used up to 1 GHz.

Distance factor: 1 GHz - 6 GHz       $20\log(3.6 \text{ m} / 3.0 \text{ m}) = 1.59 \text{ dB}$

**Radiated Spurious Emission**

Test place  
Semi Anechoic Chamber  
Date  
Temperature / Humidity  
Engineer  
  
Mode

Ise EMC Lab.  
No.2  
July 2, 2024  
22 deg. C / 68 % RH  
Tomoya Sone  
(1 GHz to 6 GHz)  
Tx 11ax-20 [106-tone RU/Index 53] 5180 MHz



\* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.  
Final result of restricted band edge was shown in tabular data.

## Radiated Spurious Emission

|                        |                                            |
|------------------------|--------------------------------------------|
| Test place             | Ise EMC Lab.                               |
| Semi Anechoic Chamber  | No.2                                       |
| Date                   | July 2, 2024                               |
| Temperature / Humidity | 22 deg. C / 68 % RH                        |
| Engineer               | Tomoya Sone                                |
|                        | (1 GHz to 6 GHz)                           |
| Mode                   | Tx 11ax-20 [242-tone RU/Index 61] 5180 MHz |

| Polarity    | Frequency | Reading<br>(QP / PK) | Reading<br>(AV) | Ant.<br>Factor | Loss | Gain | Duty<br>Factor | Result<br>(QP / PK) | Result<br>(AV) | Limit<br>(QP / PK) | Limit<br>(AV) | Margin<br>(QP / PK) | Margin<br>(AV) | Remark |
|-------------|-----------|----------------------|-----------------|----------------|------|------|----------------|---------------------|----------------|--------------------|---------------|---------------------|----------------|--------|
| [Hori/Vert] | [MHz]     | [dBuV]               | [dBuV]          | [dB/m]         | [dB] | [dB] | [dB]           | [dBuV/m]            | [dBuV/m]       | [dBuV/m]           | [dBuV/m]      | [dB]                | [dB]           |        |
| Hori.       | 5150.0    | 43.6                 | 32.6            | 31.9           | 5.5  | 33.5 | -              | 47.5                | 36.5           | 73.9               | 53.9          | 26.5                | 17.4           |        |
| Vert.       | 5150.0    | 43.0                 | 32.7            | 31.9           | 5.5  | 33.5 | -              | 46.9                | 36.6           | 73.9               | 53.9          | 27.0                | 17.3           |        |

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

$$\text{Result (AV)} = \text{Reading} + \text{Ant Factor} + \text{Loss (Cable+Attenuator+Filter+Distance factor (above 1 GHz))} - \text{Gain (Amplifier)} + \text{Duty factor}$$

\*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

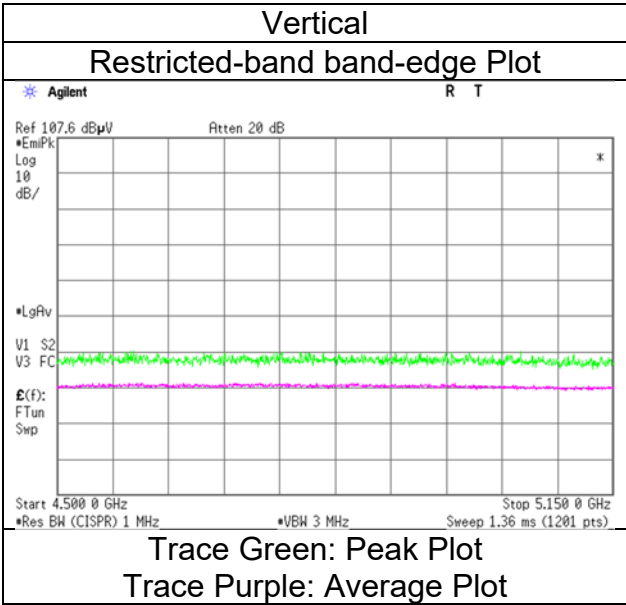
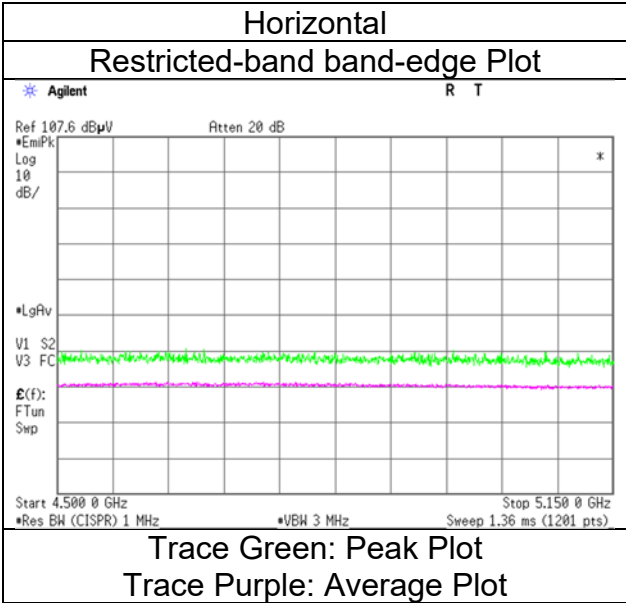
\*QP detector was used up to 1 GHz.

Distance factor: 1 GHz - 6 GHz  $20\log(3.6 \text{ m} / 3.0 \text{ m}) = 1.59 \text{ dB}$

**Radiated Spurious Emission**

Test place  
Semi Anechoic Chamber  
Date  
Temperature / Humidity  
Engineer  
  
Mode

Ise EMC Lab.  
No.2  
July 2, 2024  
22 deg. C / 68 % RH  
Tomoya Sone  
(1 GHz to 6 GHz)  
Tx 11ax-20 [242-tone RU/Index 61] 5180 MHz



\* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.  
Final result of restricted band edge was shown in tabular data.

## Radiated Spurious Emission

|                        |                                            |                     |                      |                      |
|------------------------|--------------------------------------------|---------------------|----------------------|----------------------|
| Test place             | Ise EMC Lab.                               |                     |                      |                      |
| Semi Anechoic Chamber  | No.2                                       | No.2                | No.2                 | No.2                 |
| Date                   | July 4, 2024                               | July 7, 2024        | July 8, 2024         | July 8, 2024         |
| Temperature / Humidity | 23 deg. C / 68 % RH                        | 20 deg. C / 60 % RH | 23 deg. C / 70 % RH  | 23 deg. C / 70 % RH  |
| Engineer               | Tomoya Sone                                | Shousei Hamaguchi   | Tomoya Sone          | Shousei Hamaguchi    |
|                        | (1 GHz to 10 GHz)                          | (10 GHz to 18 GHz)  | (18 GHz to 26.5 GHz) | (26.5 GHz to 40 GHz) |
| Mode                   | Tx 11ax-20 [242-tone RU/Index 61] 5220 MHz |                     |                      |                      |

| Polarity    | Frequency | Reading<br>(QP / PK) | Reading<br>(AV) | Ant.<br>Factor | Loss | Gain | Duty<br>Factor | Result<br>(QP / PK) | Result<br>(AV) | Limit<br>(QP / PK) | Limit<br>(AV) | Margin<br>(QP / PK) | Margin<br>(AV) | Remark      |
|-------------|-----------|----------------------|-----------------|----------------|------|------|----------------|---------------------|----------------|--------------------|---------------|---------------------|----------------|-------------|
| [Hori/Vert] | [MHz]     | [dBuV]               | [dBuV]          | [dB/m]         | [dB] | [dB] | [dB]           | [dBuV/m]            | [dBuV/m]       | [dBuV/m]           | [dBuV/m]      | [dB]                | [dB]           |             |
| Hori.       | 5000.0    | 41.4                 | 34.4            | 31.8           | 5.4  | 33.6 | -              | 45.1                | 38.1           | 73.9               | 53.9          | 28.8                | 15.8           |             |
| Hori.       | 5760.0    | 41.7                 | -               | 32.1           | 5.7  | 33.4 | -              | 46.1                | -              | 68.2               | -             | 22.1                | -              |             |
| Hori.       | 6933.3    | 44.6                 | -               | 35.0           | 6.2  | 33.4 | -              | 52.4                | -              | 68.2               | -             | 15.8                | -              |             |
| Hori.       | 10440.0   | 41.9                 | -               | 36.1           | -2.2 | 33.8 | -              | 42.0                | -              | 68.2               | -             | 26.2                | -              | Floor noise |
| Hori.       | 15660.0   | 43.3                 | 35.5            | 39.6           | -0.4 | 32.8 | -              | 49.6                | 41.8           | 73.9               | 53.9          | 24.3                | 12.1           | Floor noise |
| Vert.       | 5000.0    | 42.3                 | 34.2            | 31.8           | 5.4  | 33.6 | -              | 46.0                | 37.9           | 73.9               | 53.9          | 27.9                | 16.0           |             |
| Vert.       | 5760.0    | 42.1                 | -               | 32.1           | 5.7  | 33.4 | -              | 46.5                | -              | 68.2               | -             | 21.7                | -              |             |
| Vert.       | 6933.3    | 43.2                 | -               | 35.0           | 6.2  | 33.4 | -              | 51.0                | -              | 68.2               | -             | 17.2                | -              |             |
| Vert.       | 10440.0   | 41.9                 | -               | 36.1           | -2.2 | 33.8 | -              | 42.0                | -              | 68.2               | -             | 26.2                | -              | Floor noise |
| Vert.       | 15660.0   | 43.3                 | 35.5            | 39.6           | -0.4 | 32.8 | -              | 49.6                | 41.8           | 73.9               | 53.9          | 24.3                | 12.1           | Floor noise |

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor

\*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

\*QP detector was used up to 1GHz.

Distance factor:

|                   |                                 |
|-------------------|---------------------------------|
| 1 GHz - 6 GHz     | 20log (3.6 m / 3.0 m) = 1.59 dB |
| 6 GHz - 10 GHz    | 20log (3.6 m / 3.0 m) = 1.59 dB |
| 10 GHz - 26.5 GHz | 20log (1.0 m / 3.0 m) = -9.5 dB |

## Radiated Spurious Emission

|                        |                                          |
|------------------------|------------------------------------------|
| Test place             | Ise EMC Lab.                             |
| Semi Anechoic Chamber  | No.2                                     |
| Date                   | July 2, 2024                             |
| Temperature / Humidity | 22 deg. C / 68 % RH                      |
| Engineer               | Tomoya Sone<br>(1 GHz to 6 GHz)          |
| Mode                   | Tx 11ax-20 [26-tone RU/Index 8] 5240 MHz |

| Polarity    | Frequency | Reading<br>(QP / PK) | Reading<br>(AV) | Ant.<br>Factor | Loss | Gain | Duty<br>Factor | Result<br>(QP / PK) | Result<br>(AV) | Limit<br>(QP / PK) | Limit<br>(AV) | Margin<br>(QP / PK) | Margin<br>(AV) | Remark |
|-------------|-----------|----------------------|-----------------|----------------|------|------|----------------|---------------------|----------------|--------------------|---------------|---------------------|----------------|--------|
| [Hori/Vert] | [MHz]     | [dBuV]               | [dBuV]          | [dB/m]         | [dB] | [dB] | [dB]           | [dBuV/m]            | [dBuV/m]       | [dBuV/m]           | [dBuV/m]      | [dB]                | [dB]           |        |
| Hori.       | 5350.0    | 44.1                 | 33.2            | 31.7           | 5.6  | 33.4 | -              | 48.0                | 37.1           | 73.9               | 53.9          | 25.9                | 16.8           |        |
| Vert.       | 5350.0    | 44.4                 | 34.0            | 31.7           | 5.6  | 33.4 | -              | 48.3                | 37.8           | 73.9               | 53.9          | 25.7                | 16.1           |        |

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

$$\text{Result (AV)} = \text{Reading} + \text{Ant Factor} + \text{Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz))} - \text{Gain(Amplifier)} + \text{Duty factor}$$

\*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

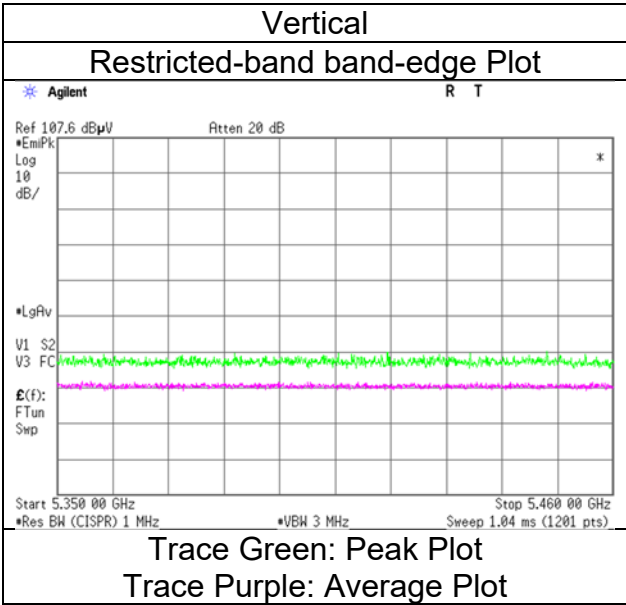
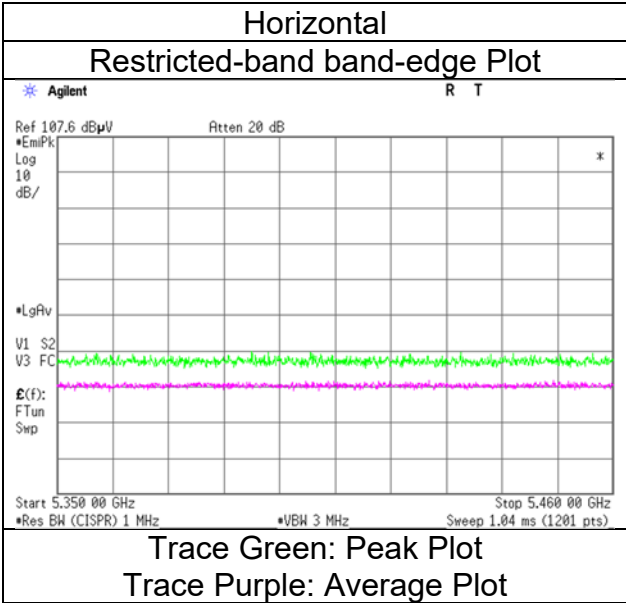
\*QP detector was used up to 1 GHz.

Distance factor:      1 GHz - 6 GHz       $20\log (3.6 \text{ m} / 3.0 \text{ m}) = 1.59 \text{ dB}$

**Radiated Spurious Emission**

Test place  
Semi Anechoic Chamber  
Date  
Temperature / Humidity  
Engineer  
  
Mode

Ise EMC Lab.  
No.2  
July 2, 2024  
22 deg. C / 68 % RH  
Tomoya Sone  
(1 GHz to 6 GHz)  
Tx 11ax-20 [26-tone RU/Index 8] 5240 MHz



\* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.  
Final result of restricted band edge was shown in tabular data.

## Radiated Spurious Emission

|                        |                                           |
|------------------------|-------------------------------------------|
| Test place             | Ise EMC Lab.                              |
| Semi Anechoic Chamber  | No.2                                      |
| Date                   | July 2, 2024                              |
| Temperature / Humidity | 22 deg. C / 68 % RH                       |
| Engineer               | Tomoya Sone<br>(1 GHz to 6 GHz)           |
| Mode                   | Tx 11ax-20 [52-tone RU/Index 40] 5240 MHz |

| Polarity    | Frequency | Reading<br>(QP / PK) | Reading<br>(AV) | Ant.<br>Factor | Loss | Gain | Duty<br>Factor | Result<br>(QP / PK) | Result<br>(AV) | Limit<br>(QP / PK) | Limit<br>(AV) | Margin<br>(QP / PK) | Margin<br>(AV) | Remark |
|-------------|-----------|----------------------|-----------------|----------------|------|------|----------------|---------------------|----------------|--------------------|---------------|---------------------|----------------|--------|
| [Hori/Vert] | [MHz]     | [dBuV]               | [dBuV]          | [dB/m]         | [dB] | [dB] | [dB]           | [dBuV/m]            | [dBuV/m]       | [dBuV/m]           | [dBuV/m]      | [dB]                | [dB]           |        |
| Hori.       | 5350.0    | 43.6                 | 33.5            | 31.7           | 5.6  | 33.4 | -              | 47.5                | 37.3           | 73.9               | 53.9          | 26.4                | 16.6           |        |
| Vert.       | 5350.0    | 43.9                 | 33.4            | 31.7           | 5.6  | 33.4 | -              | 47.8                | 37.2           | 73.9               | 53.9          | 26.2                | 16.7           |        |

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

$$\text{Result (AV)} = \text{Reading} + \text{Ant Factor} + \text{Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz))} - \text{Gain(Amplifier)} + \text{Duty factor}$$

\*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

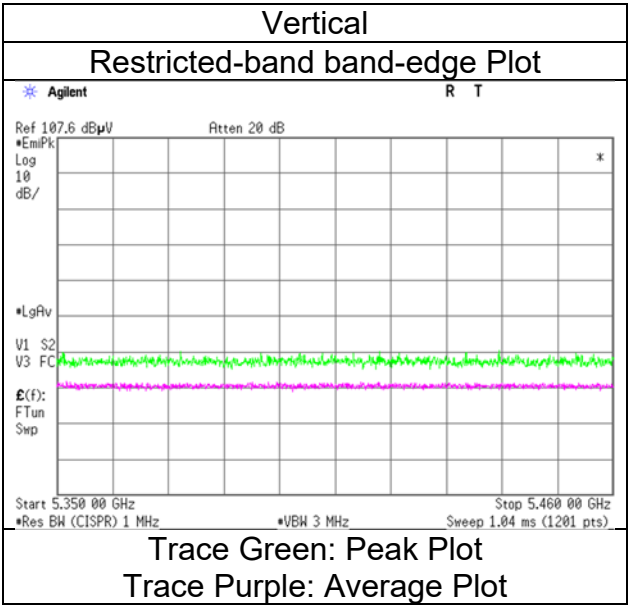
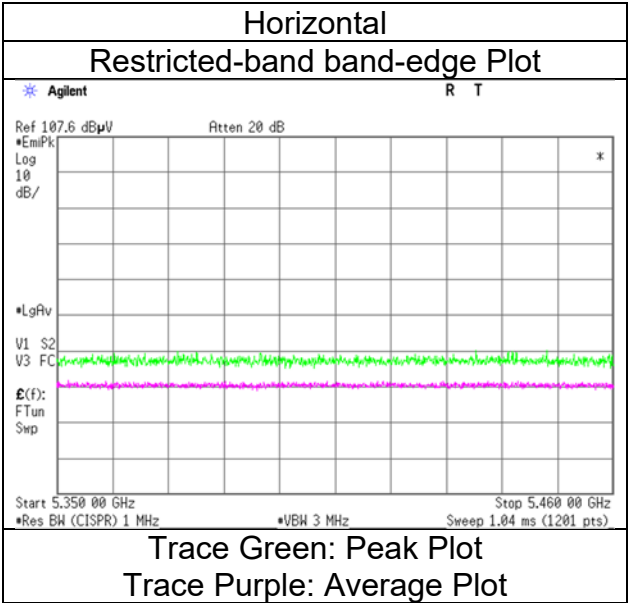
\*QP detector was used up to 1 GHz.

Distance factor:      1 GHz - 6 GHz       $20\log (3.6 \text{ m} / 3.0 \text{ m}) = 1.59 \text{ dB}$

**Radiated Spurious Emission**

Test place  
Semi Anechoic Chamber  
Date  
Temperature / Humidity  
Engineer  
  
Mode

Ise EMC Lab.  
No.2  
July 2, 2024  
22 deg. C / 68 % RH  
Tomoya Sone  
(1 GHz to 6 GHz)  
Tx 11ax-20 [52-tone RU/Index 40] 5240 MHz



\* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.  
Final result of restricted band edge was shown in tabular data.

## Radiated Spurious Emission

|                        |                                            |
|------------------------|--------------------------------------------|
| Test place             | Ise EMC Lab.                               |
| Semi Anechoic Chamber  | No.2                                       |
| Date                   | July 2, 2024                               |
| Temperature / Humidity | 22 deg. C / 68 % RH                        |
| Engineer               | Tomoya Sone<br>(1 GHz to 6 GHz)            |
| Mode                   | Tx 11ax-20 [106-tone RU/Index 54] 5240 MHz |

| Polarity    | Frequency | Reading<br>(QP / PK) | Reading<br>(AV) | Ant.<br>Factor | Loss | Gain | Duty<br>Factor | Result<br>(QP / PK) | Result<br>(AV) | Limit<br>(QP / PK) | Limit<br>(AV) | Margin<br>(QP / PK) | Margin<br>(AV) | Remark |
|-------------|-----------|----------------------|-----------------|----------------|------|------|----------------|---------------------|----------------|--------------------|---------------|---------------------|----------------|--------|
| [Hori/Vert] | [MHz]     | [dBuV]               | [dBuV]          | [dB/m]         | [dB] | [dB] | [dB]           | [dBuV/m]            | [dBuV/m]       | [dBuV/m]           | [dBuV/m]      | [dB]                | [dB]           |        |
| Hori.       | 5350.0    | 44.0                 | 33.4            | 31.7           | 5.6  | 33.4 | -              | 47.8                | 37.2           | 73.9               | 53.9          | 26.1                | 16.7           |        |
| Vert.       | 5350.0    | 43.6                 | 33.1            | 31.7           | 5.6  | 33.4 | -              | 47.5                | 36.9           | 73.9               | 53.9          | 26.5                | 17.0           |        |

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

$$\text{Result (AV)} = \text{Reading} + \text{Ant Factor} + \text{Loss (Cable+Attenuator+Filter+Distance factor (above 1 GHz))} - \text{Gain (Amplifier)} + \text{Duty factor}$$

\*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

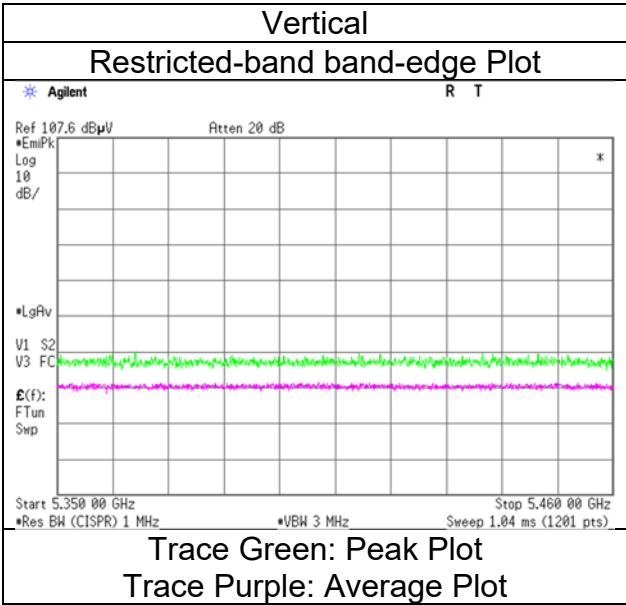
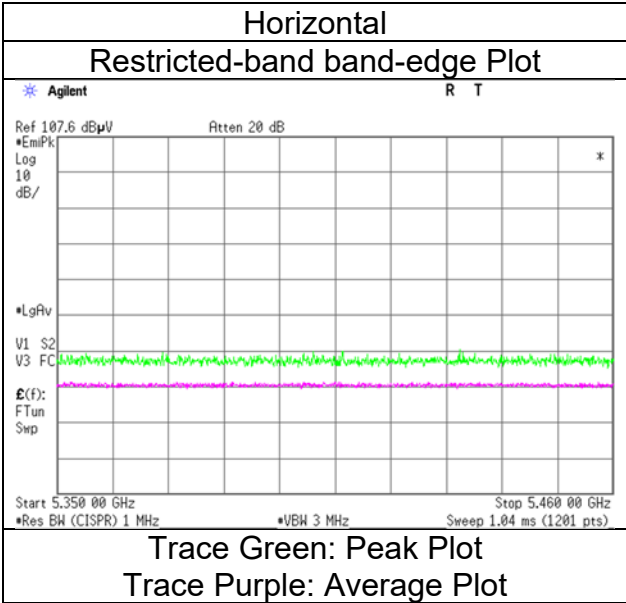
\*QP detector was used up to 1 GHz.

Distance factor: 1 GHz - 6 GHz  $20\log(3.6\text{ m} / 3.0\text{ m}) = 1.59\text{ dB}$

**Radiated Spurious Emission**

Test place  
Semi Anechoic Chamber  
Date  
Temperature / Humidity  
Engineer  
  
Mode

Ise EMC Lab.  
No.2  
July 2, 2024  
22 deg. C / 68 % RH  
Tomoya Sone  
(1 GHz to 6 GHz)  
Tx 11ax-20 [106-tone RU/Index 54] 5240 MHz



\* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.  
Final result of restricted band edge was shown in tabular data.

## Radiated Spurious Emission

|                        |                                            |
|------------------------|--------------------------------------------|
| Test place             | Ise EMC Lab.                               |
| Semi Anechoic Chamber  | No.2                                       |
| Date                   | July 2, 2024                               |
| Temperature / Humidity | 22 deg. C / 68 % RH                        |
| Engineer               | Tomoya Sone                                |
|                        | (1 GHz to 6 GHz)                           |
| Mode                   | Tx 11ax-20 [242-tone RU/Index 61] 5240 MHz |

| Polarity    | Frequency | Reading<br>(QP / PK) | Reading<br>(AV) | Ant.<br>Factor | Loss | Gain | Duty<br>Factor | Result<br>(QP / PK) | Result<br>(AV) | Limit<br>(QP / PK) | Limit<br>(AV) | Margin<br>(QP / PK) | Margin<br>(AV) | Remark |
|-------------|-----------|----------------------|-----------------|----------------|------|------|----------------|---------------------|----------------|--------------------|---------------|---------------------|----------------|--------|
| [Hori/Vert] | [MHz]     | [dBuV]               | [dBuV]          | [dB/m]         | [dB] | [dB] | [dB]           | [dBuV/m]            | [dBuV/m]       | [dBuV/m]           | [dBuV/m]      | [dB]                | [dB]           |        |
| Hori.       | 5350.0    | 44.2                 | 33.2            | 31.7           | 5.6  | 33.4 | -              | 48.0                | 37.1           | 73.9               | 53.9          | 25.9                | 16.8           |        |
| Vert.       | 5350.0    | 43.8                 | 32.8            | 31.7           | 5.6  | 33.4 | -              | 47.7                | 36.7           | 73.9               | 53.9          | 26.2                | 17.3           |        |

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

$$\text{Result (AV)} = \text{Reading} + \text{Ant Factor} + \text{Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz))} - \text{Gain(Amplifier)} + \text{Duty factor}$$

\*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

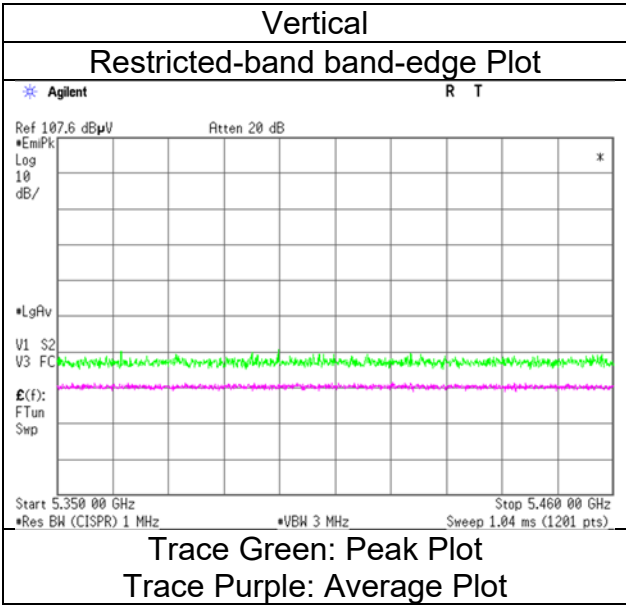
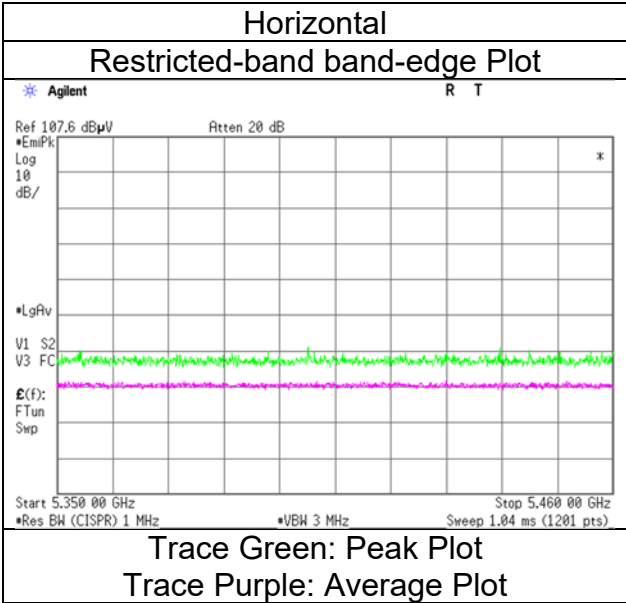
\*QP detector was used up to 1 GHz.

Distance factor: 1 GHz - 6 GHz  $20\log(3.6 \text{ m} / 3.0 \text{ m}) = 1.59 \text{ dB}$

**Radiated Spurious Emission**

Test place  
Semi Anechoic Chamber  
Date  
Temperature / Humidity  
Engineer  
  
Mode

Ise EMC Lab.  
No.2  
July 2, 2024  
22 deg. C / 68 % RH  
Tomoya Sone  
(1 GHz to 6 GHz)  
Tx 11ax-20 [242-tone RU/Index 61] 5240 MHz



\* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.  
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place  
Semi Anechoic Chamber  
Date  
Temperature / Humidity  
Engineer  
  
Mode

Ise EMC Lab.  
No.2  
July 3, 2024  
23 deg. C / 71 % RH  
Nachi Konegawa  
(1 GHz to 6 GHz)  
Tx 11ax-20 [26-tone RU/Index 0] 5745 MHz

| Polarity    | Frequency | Reading<br>(QP / PK) | Reading<br>(AV) | Ant.<br>Factor | Loss | Gain | Duty<br>Factor | Result<br>(QP / PK) | Result<br>(AV) | Limit<br>(QP / PK) | Limit<br>(AV) | Margin<br>(QP / PK) | Margin<br>(AV) | Remark |
|-------------|-----------|----------------------|-----------------|----------------|------|------|----------------|---------------------|----------------|--------------------|---------------|---------------------|----------------|--------|
| [Hori/Vert] | [MHz]     | [dBuV]               | [dBuV]          | [dB/m]         | [dB] | [dB] | [dB]           | [dBuV/m]            | [dBuV/m]       | [dBuV/m]           | [dBuV/m]      | [dB]                | [dB]           |        |
| Hori.       | 5650.0    | 43.2                 | -               | 31.8           | 5.7  | 33.4 | -              | 47.3                | -              | 68.2               | -             | 20.9                | -              |        |
| Hori.       | 5700.0    | 43.7                 | -               | 31.9           | 5.7  | 33.4 | -              | 47.9                | -              | 105.2              | -             | 57.3                | -              |        |
| Hori.       | 5720.0    | 43.9                 | -               | 32.0           | 5.7  | 33.4 | -              | 48.2                | -              | 110.8              | -             | 62.6                | -              |        |
| Hori.       | 5725.0    | 44.2                 | -               | 32.0           | 5.7  | 33.4 | -              | 48.5                | -              | 122.2              | -             | 73.7                | -              |        |
| Vert.       | 5650.0    | 43.2                 | -               | 31.8           | 5.7  | 33.4 | -              | 47.3                | -              | 68.2               | -             | 20.9                | -              |        |
| Vert.       | 5700.0    | 43.7                 | -               | 31.9           | 5.7  | 33.4 | -              | 48.0                | -              | 105.2              | -             | 57.2                | -              |        |
| Vert.       | 5720.0    | 43.9                 | -               | 32.0           | 5.7  | 33.4 | -              | 48.2                | -              | 110.8              | -             | 62.6                | -              |        |
| Vert.       | 5725.0    | 44.0                 | -               | 32.0           | 5.7  | 33.4 | -              | 48.4                | -              | 122.2              | -             | 73.8                | -              |        |

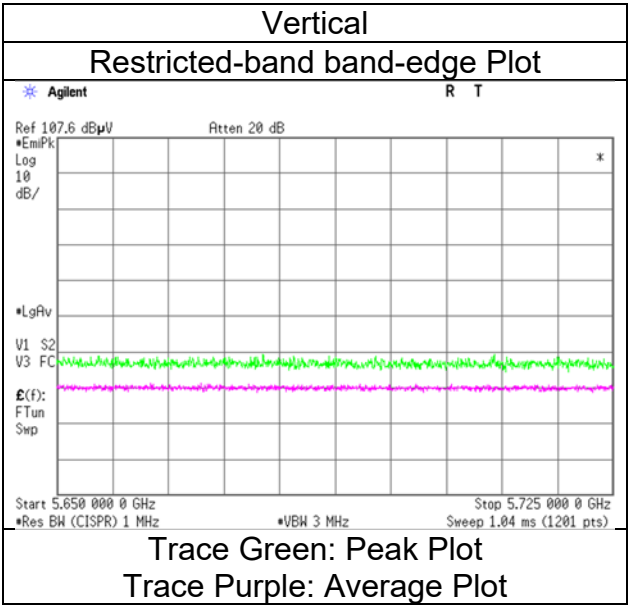
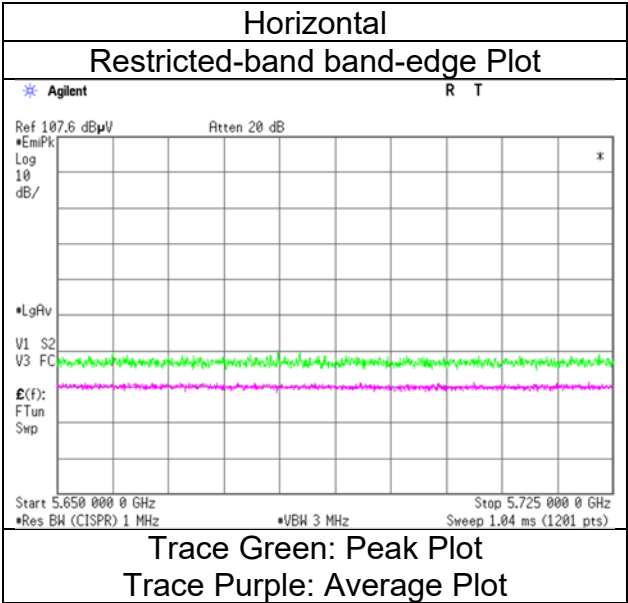
Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)  
Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor  
\*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).  
\*QP detector was used up to 1GHz.

Distance factor: 1 GHz - 6 GHz 20log (3.6 m / 3.0 m) = 1.59 dB

**Radiated Spurious Emission**

Test place  
Semi Anechoic Chamber  
Date  
Temperature / Humidity  
Engineer  
  
Mode

Ise EMC Lab.  
No.2  
July 3, 2024  
23 deg. C / 71 % RH  
Nachi Konegawa  
(1 GHz to 6 GHz)  
Tx 11ax-20 [26-tone RU/Index 0] 5745 MHz



\* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.  
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place  
Semi Anechoic Chamber  
Date  
Temperature / Humidity  
Engineer  
  
Mode

Ise EMC Lab.  
No.2  
July 3, 2024  
23 deg. C / 71 % RH  
Nachi Konegawa  
(1 GHz to 6 GHz)  
Tx 11ax-20 [52-tone RU/Index 37] 5745 MHz

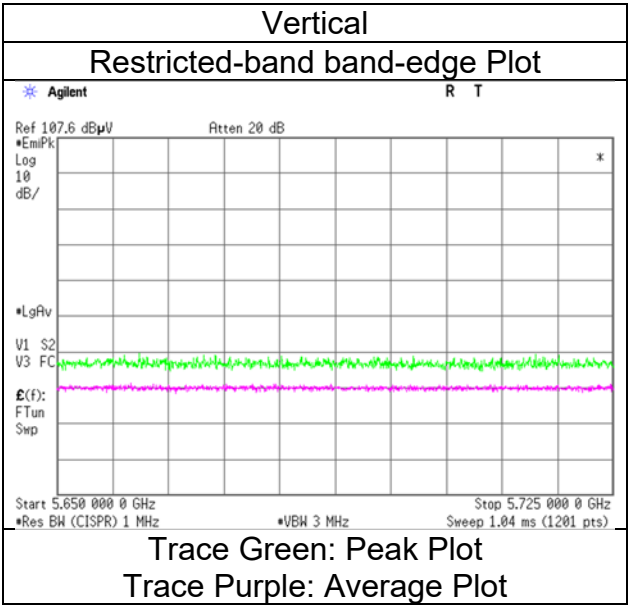
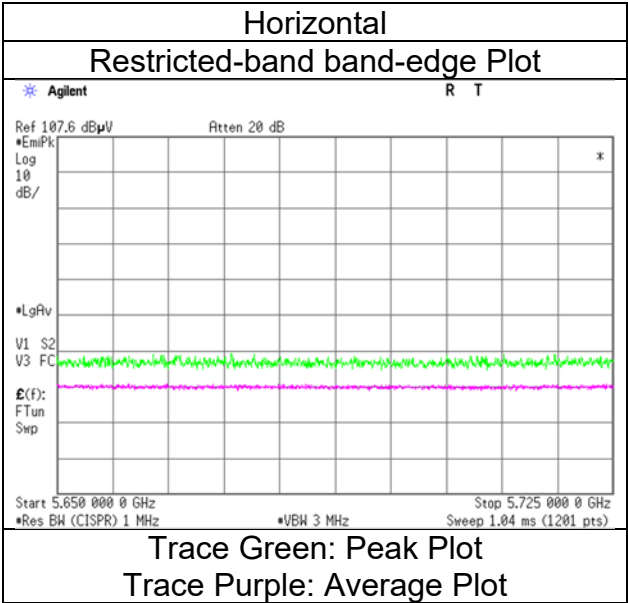
| Polarity    | Frequency | Reading<br>(QP / PK) | Reading<br>(AV) | Ant.<br>Factor | Loss | Gain | Duty<br>Factor | Result<br>(QP / PK) | Result<br>(AV) | Limit<br>(QP / PK) | Limit<br>(AV) | Margin<br>(QP / PK) | Margin<br>(AV) | Remark |
|-------------|-----------|----------------------|-----------------|----------------|------|------|----------------|---------------------|----------------|--------------------|---------------|---------------------|----------------|--------|
| [Hori/Vert] | [MHz]     | [dBuV]               | [dBuV]          | [dB/m]         | [dB] | [dB] | [dB]           | [dBuV/m]            | [dBuV/m]       | [dBuV/m]           | [dBuV/m]      | [dB]                | [dB]           |        |
| Hori.       | 5650.0    | 43.4                 | -               | 31.8           | 5.7  | 33.4 | -              | 47.6                | -              | 68.2               | -             | 20.6                | -              |        |
| Hori.       | 5700.0    | 43.5                 | -               | 31.9           | 5.7  | 33.4 | -              | 47.8                | -              | 105.2              | -             | 57.4                | -              |        |
| Hori.       | 5720.0    | 43.9                 | -               | 32.0           | 5.7  | 33.4 | -              | 48.2                | -              | 110.8              | -             | 62.6                | -              |        |
| Hori.       | 5725.0    | 44.3                 | -               | 32.0           | 5.7  | 33.4 | -              | 48.6                | -              | 122.2              | -             | 73.6                | -              |        |
| Vert.       | 5650.0    | 43.3                 | -               | 31.8           | 5.7  | 33.4 | -              | 47.4                | -              | 68.2               | -             | 20.8                | -              |        |
| Vert.       | 5700.0    | 43.4                 | -               | 31.9           | 5.7  | 33.4 | -              | 47.7                | -              | 105.2              | -             | 57.5                | -              |        |
| Vert.       | 5720.0    | 43.6                 | -               | 32.0           | 5.7  | 33.4 | -              | 47.9                | -              | 110.8              | -             | 62.9                | -              |        |
| Vert.       | 5725.0    | 44.5                 | -               | 32.0           | 5.7  | 33.4 | -              | 48.8                | -              | 122.2              | -             | 73.4                | -              |        |

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)  
Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor  
\*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).  
\*QP detector was used up to 1GHz.

Distance factor: 1 GHz - 6 GHz 20log (3.6 m / 3.0 m) = 1.59 dB

**Radiated Spurious Emission**

|                        |                                           |
|------------------------|-------------------------------------------|
| Test place             | Ise EMC Lab.                              |
| Semi Anechoic Chamber  | No.2                                      |
| Date                   | July 3, 2024                              |
| Temperature / Humidity | 23 deg. C / 71 % RH                       |
| Engineer               | Nachi Konegawa                            |
|                        | (1 GHz to 6 GHz)                          |
| Mode                   | Tx 11ax-20 [52-tone RU/Index 37] 5745 MHz |



\* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.  
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place  
Semi Anechoic Chamber  
Date  
Temperature / Humidity  
Engineer  
  
Mode

Ise EMC Lab.  
No.2  
July 3, 2024  
23 deg. C / 71 % RH  
Nachi Konegawa  
(1 GHz to 6 GHz)  
Tx 11ax-20 [106-tone RU/Index 53] 5745 MHz

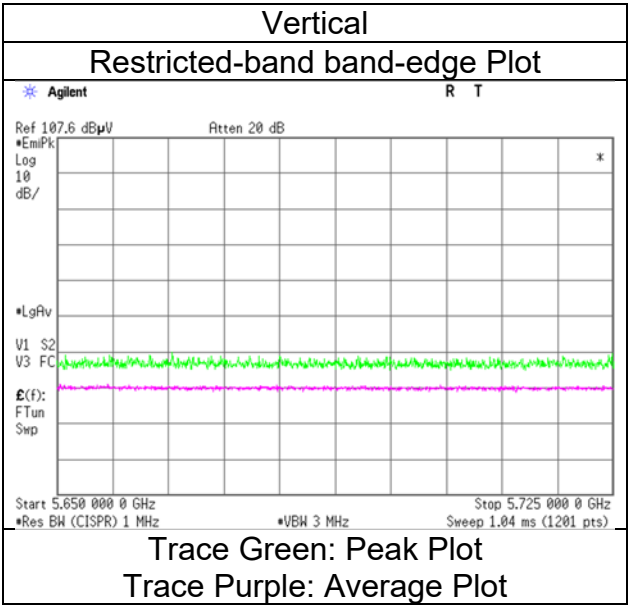
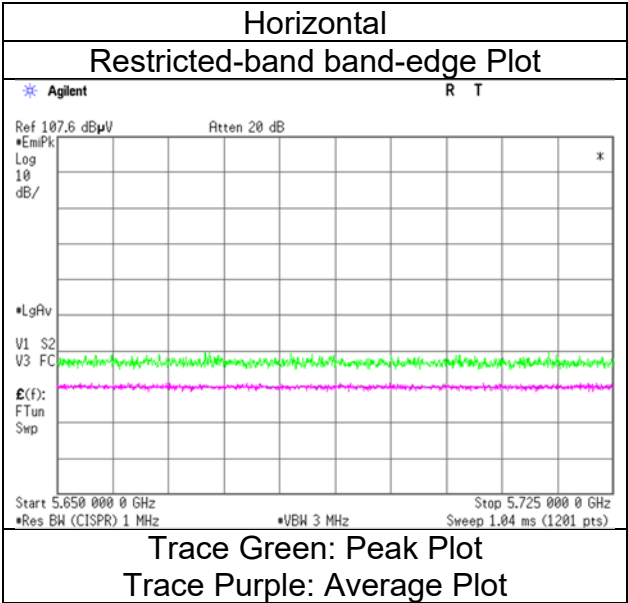
| Polarity    | Frequency | Reading<br>(QP / PK) | Reading<br>(AV) | Ant.<br>Factor | Loss | Gain | Duty<br>Factor | Result<br>(QP / PK) | Result<br>(AV) | Limit<br>(QP / PK) | Limit<br>(AV) | Margin<br>(QP / PK) | Margin<br>(AV) | Remark |
|-------------|-----------|----------------------|-----------------|----------------|------|------|----------------|---------------------|----------------|--------------------|---------------|---------------------|----------------|--------|
| [Hori/Vert] | [MHz]     | [dBuV]               | [dBuV]          | [dB/m]         | [dB] | [dB] | [dB]           | [dBuV/m]            | [dBuV/m]       | [dBuV/m]           | [dBuV/m]      | [dB]                | [dB]           |        |
| Hori.       | 5650.0    | 43.5                 | -               | 31.8           | 5.7  | 33.4 | -              | 47.7                | -              | 68.2               | -             | 20.6                | -              |        |
| Hori.       | 5700.0    | 43.8                 | -               | 31.9           | 5.7  | 33.4 | -              | 48.1                | -              | 105.2              | -             | 57.1                | -              |        |
| Hori.       | 5720.0    | 44.2                 | -               | 32.0           | 5.7  | 33.4 | -              | 48.5                | -              | 110.8              | -             | 62.3                | -              |        |
| Hori.       | 5725.0    | 44.9                 | -               | 32.0           | 5.7  | 33.4 | -              | 49.2                | -              | 122.2              | -             | 73.0                | -              |        |
| Vert.       | 5650.0    | 43.4                 | -               | 31.8           | 5.7  | 33.4 | -              | 47.6                | -              | 68.2               | -             | 20.7                | -              |        |
| Vert.       | 5700.0    | 43.4                 | -               | 31.9           | 5.7  | 33.4 | -              | 47.7                | -              | 105.2              | -             | 57.5                | -              |        |
| Vert.       | 5720.0    | 43.7                 | -               | 32.0           | 5.7  | 33.4 | -              | 48.0                | -              | 110.8              | -             | 62.8                | -              |        |
| Vert.       | 5725.0    | 44.1                 | -               | 32.0           | 5.7  | 33.4 | -              | 48.4                | -              | 122.2              | -             | 73.8                | -              |        |

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)  
Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor  
\*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).  
\*QP detector was used up to 1GHz.

Distance factor: 1 GHz - 6 GHz 20log (3.6 m / 3.0 m) = 1.59 dB

**Radiated Spurious Emission**

|                        |                                            |
|------------------------|--------------------------------------------|
| Test place             | Ise EMC Lab.                               |
| Semi Anechoic Chamber  | No.2                                       |
| Date                   | July 3, 2024                               |
| Temperature / Humidity | 23 deg. C / 71 % RH                        |
| Engineer               | Nachi Konegawa                             |
|                        | (1 GHz to 6 GHz)                           |
| Mode                   | Tx 11ax-20 [106-tone RU/Index 53] 5745 MHz |



\* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.  
Final result of restricted band edge was shown in tabular data.

## Radiated Spurious Emission

Test place                      Ise EMC Lab.  
Semi Anechoic Chamber      No.2  
Date                              July 3, 2024  
Temperature / Humidity        23 deg. C / 71 % RH  
Engineer                        Nachi Konegawa  
                                      (1 GHz to 6 GHz)  
Mode                              Tx 11ax-20 [242-tone RU/Index 61] 5745 MHz

| Polarity    | Frequency | Reading<br>(QP / PK) | Reading<br>(AV) | Ant.<br>Factor | Loss | Gain | Duty<br>Factor | Result<br>(QP / PK) | Result<br>(AV) | Limit<br>(QP / PK) | Limit<br>(AV) | Margin<br>(QP / PK) | Margin<br>(AV) | Remark |
|-------------|-----------|----------------------|-----------------|----------------|------|------|----------------|---------------------|----------------|--------------------|---------------|---------------------|----------------|--------|
| [Hori/Vert] | [MHz]     | [dBuV]               | [dBuV]          | [dB/m]         | [dB] | [dB] | [dB]           | [dBuV/m]            | [dBuV/m]       | [dBuV/m]           | [dBuV/m]      | [dB]                | [dB]           |        |
| Hori.       | 5650.0    | 43.6                 | -               | 31.8           | 5.7  | 33.4 | -              | 47.8                | -              | 68.2               | -             | 20.5                | -              |        |
| Hori.       | 5700.0    | 43.9                 | -               | 31.9           | 5.7  | 33.4 | -              | 48.2                | -              | 105.2              | -             | 57.0                | -              |        |
| Hori.       | 5720.0    | 44.9                 | -               | 32.0           | 5.7  | 33.4 | -              | 49.2                | -              | 110.8              | -             | 61.6                | -              |        |
| Hori.       | 5725.0    | 45.2                 | -               | 32.0           | 5.7  | 33.4 | -              | 49.5                | -              | 122.2              | -             | 72.7                | -              |        |
| Vert.       | 5650.0    | 43.5                 | -               | 31.8           | 5.7  | 33.4 | -              | 47.7                | -              | 68.2               | -             | 20.5                | -              |        |
| Vert.       | 5700.0    | 44.2                 | -               | 31.9           | 5.7  | 33.4 | -              | 48.4                | -              | 105.2              | -             | 56.8                | -              |        |
| Vert.       | 5720.0    | 44.6                 | -               | 32.0           | 5.7  | 33.4 | -              | 48.9                | -              | 110.8              | -             | 61.9                | -              |        |
| Vert.       | 5725.0    | 44.9                 | -               | 32.0           | 5.7  | 33.4 | -              | 49.2                | -              | 122.2              | -             | 73.0                | -              |        |

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor

\*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

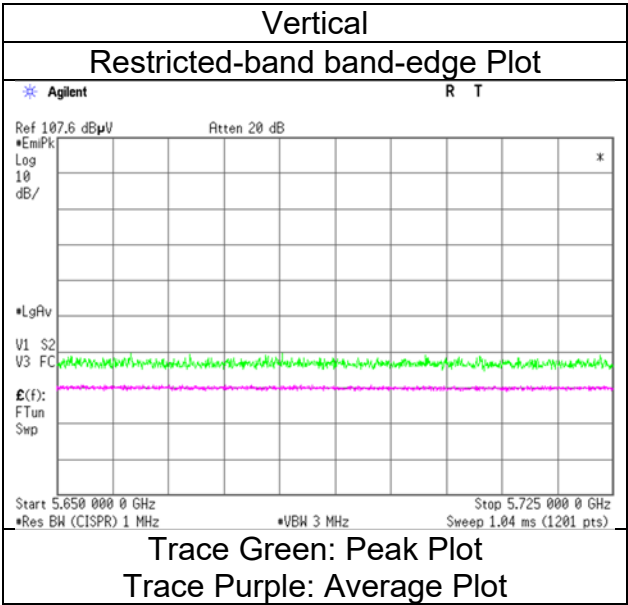
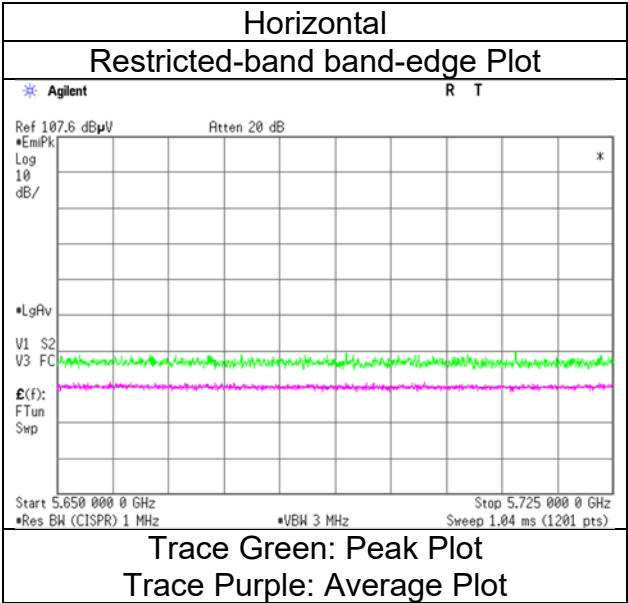
\*QP detector was used up to 1GHz.

Distance factor:            1 GHz - 6 GHz             $20\log(3.6\text{ m} / 3.0\text{ m}) = 1.59\text{ dB}$

**Radiated Spurious Emission**

Test place  
Semi Anechoic Chamber  
Date  
Temperature / Humidity  
Engineer  
  
Mode

Ise EMC Lab.  
No.2  
July 3, 2024  
23 deg. C / 71 % RH  
Nachi Konegawa  
(1 GHz to 6 GHz)  
Tx 11ax-20 [242-tone RU/Index 61] 5745 MHz



\* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.  
Final result of restricted band edge was shown in tabular data.

## Radiated Spurious Emission

|                        |                                          |
|------------------------|------------------------------------------|
| Test place             | Ise EMC Lab.                             |
| Semi Anechoic Chamber  | No.2                                     |
| Date                   | July 3, 2024                             |
| Temperature / Humidity | 23 deg. C / 71 % RH                      |
| Engineer               | Nachi Konegawa<br>(1 GHz to 6 GHz)       |
| Mode                   | Tx 11ax-20 [26-tone RU/Index 8] 5825 MHz |

| Polarity    | Frequency | Reading<br>(QP / PK) | Reading<br>(AV) | Ant.<br>Factor | Loss | Gain | Duty<br>Factor | Result<br>(QP / PK) | Result<br>(AV) | Limit<br>(QP / PK) | Limit<br>(AV) | Margin<br>(QP / PK) | Margin<br>(AV) | Remark |
|-------------|-----------|----------------------|-----------------|----------------|------|------|----------------|---------------------|----------------|--------------------|---------------|---------------------|----------------|--------|
| [Hori/Vert] | [MHz]     | [dBuV]               | [dBuV]          | [dB/m]         | [dB] | [dB] | [dB]           | [dBuV/m]            | [dBuV/m]       | [dBuV/m]           | [dBuV/m]      | [dB]                | [dB]           |        |
| Hori.       | 5850.0    | 44.0                 | -               | 32.3           | 5.8  | 33.4 | -              | 48.7                | -              | 122.2              | -             | 73.5                | -              |        |
| Hori.       | 5855.0    | 44.0                 | -               | 32.3           | 5.8  | 33.4 | -              | 48.6                | -              | 110.8              | -             | 62.2                | -              |        |
| Hori.       | 5875.0    | 43.9                 | -               | 32.3           | 5.8  | 33.4 | -              | 48.6                | -              | 105.2              | -             | 56.6                | -              |        |
| Hori.       | 5925.0    | 43.2                 | -               | 32.4           | 5.8  | 33.4 | -              | 48.0                | -              | 68.2               | -             | 20.2                | -              |        |
| Vert.       | 5850.0    | 43.1                 | -               | 32.3           | 5.8  | 33.4 | -              | 47.8                | -              | 122.2              | -             | 74.4                | -              |        |
| Vert.       | 5855.0    | 42.8                 | -               | 32.3           | 5.8  | 33.4 | -              | 47.4                | -              | 110.8              | -             | 63.4                | -              |        |
| Vert.       | 5875.0    | 43.3                 | -               | 32.3           | 5.8  | 33.4 | -              | 48.0                | -              | 105.2              | -             | 57.2                | -              |        |
| Vert.       | 5925.0    | 42.6                 | -               | 32.4           | 5.8  | 33.4 | -              | 47.4                | -              | 68.2               | -             | 20.8                | -              |        |

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

$$\text{Result (AV)} = \text{Reading} + \text{Ant Factor} + \text{Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz))} - \text{Gain(Amplifier)} + \text{Duty factor}$$

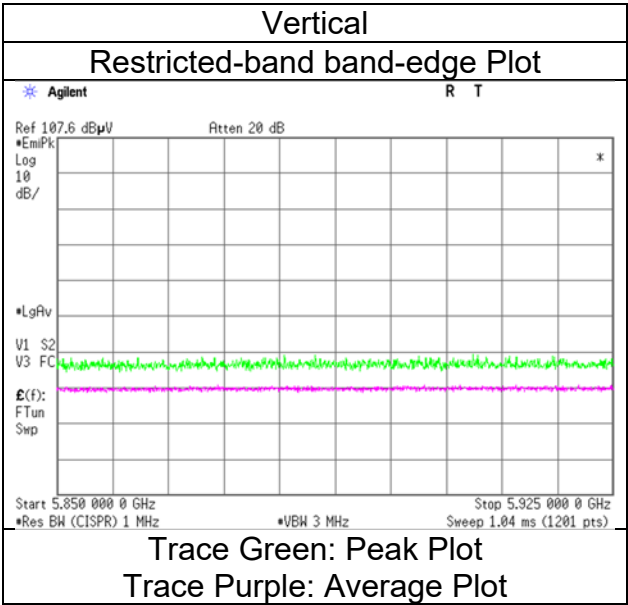
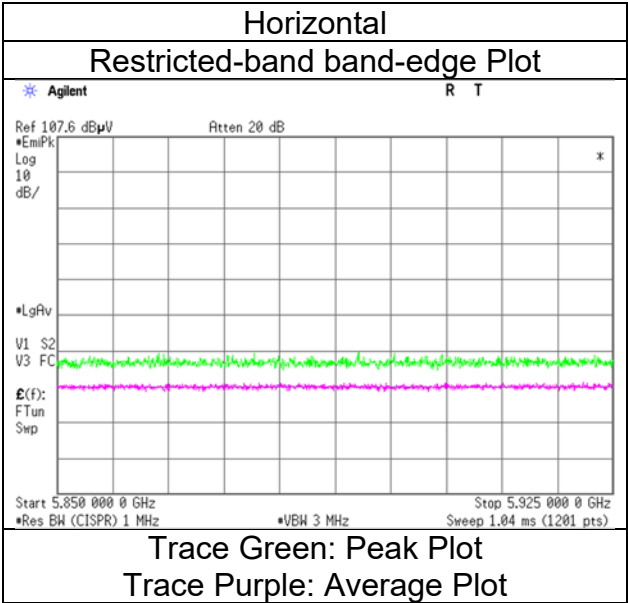
\*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

\*QP detector was used up to 1GHz.

Distance factor: 1 GHz - 6 GHz  $20\log(3.6\text{ m} / 3.0\text{ m}) = 1.59\text{ dB}$

**Radiated Spurious Emission**

|                        |                                          |
|------------------------|------------------------------------------|
| Test place             | Ise EMC Lab.                             |
| Semi Anechoic Chamber  | No.2                                     |
| Date                   | July 3, 2024                             |
| Temperature / Humidity | 23 deg. C / 71 % RH                      |
| Engineer               | Nachi Konegawa                           |
|                        | (1 GHz to 6 GHz)                         |
| Mode                   | Tx 11ax-20 [26-tone RU/Index 8] 5825 MHz |



\* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.  
Final result of restricted band edge was shown in tabular data.

**Radiated Spurious Emission**

Test place                      Ise EMC Lab.  
Semi Anechoic Chamber    No.2                              No.2                              No.2                              No.2                              No.2  
Date                              July 3, 2024                      July 7, 2024                      July 8, 2024                      July 8, 2024                      July 10, 2024  
Temperature / Humidity    23 deg. C / 71 % RH              20 deg. C / 60 % RH              23 deg. C / 70 % RH              23 deg. C / 70 % RH              24 deg. C / 65 % RH  
Engineer                      Nachi Konegawa                      Shousei Hamaguchi              Tomoya Sone                      Shousei Hamaguchi              Tomoya Sone  
                                         (1 GHz to 10 GHz)                      (10 GHz to 18 GHz)                      (18 GHz to 26.5 GHz)                      (Above 26.5 GHz)                      (Below 1 GHz)  
Mode                              Tx 11ax-20 [52-tone RU/Index 40] 5825 MHz

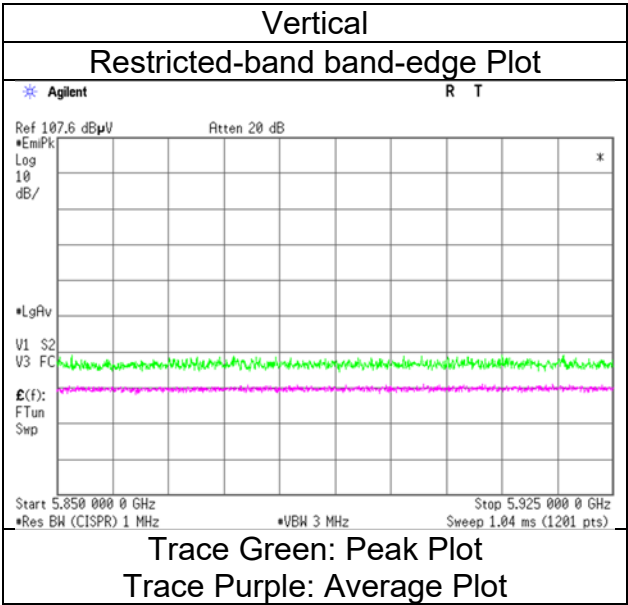
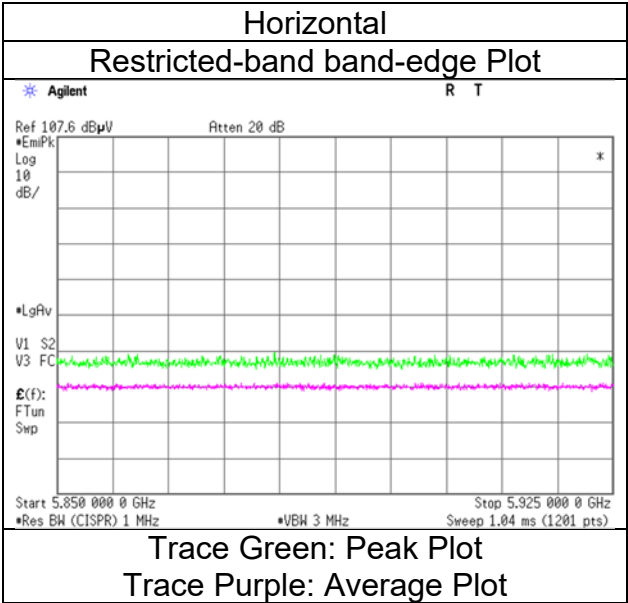
| Polarity    | Frequency | Reading<br>(QP / PK) | Reading<br>(AV) | Ant.<br>Factor | Loss | Gain | Duty<br>Factor | Result<br>(QP / PK) | Result<br>(AV) | Limit<br>(QP / PK) | Limit<br>(AV) | Margin<br>(QP / PK) | Margin<br>(AV) | Remark      |
|-------------|-----------|----------------------|-----------------|----------------|------|------|----------------|---------------------|----------------|--------------------|---------------|---------------------|----------------|-------------|
| [Hori/Vert] | [MHz]     | [dBuV]               | [dBuV]          | [dB/m]         | [dB] | [dB] | [dB]           | [dBuV/m]            | [dBuV/m]       | [dBuV/m]           | [dBuV/m]      | [dB]                | [dB]           |             |
| Hori.       | 59.9      | 23.5                 | -               | 9.2            | 7.0  | 28.5 | -              | 11.2                | -              | 40.0               | -             | 28.8                | -              |             |
| Hori.       | 77.3      | 24.9                 | -               | 9.1            | 7.2  | 28.5 | -              | 12.7                | -              | 40.0               | -             | 27.3                | -              |             |
| Hori.       | 89.2      | 23.6                 | -               | 9.5            | 7.3  | 28.4 | -              | 11.9                | -              | 43.5               | -             | 31.6                | -              |             |
| Hori.       | 220.8     | 28.9                 | -               | 11.2           | 8.2  | 27.9 | -              | 20.5                | -              | 46.0               | -             | 25.5                | -              |             |
| Hori.       | 737.6     | 32.5                 | -               | 20.1           | 10.6 | 29.2 | -              | 34.1                | -              | 46.0               | -             | 12.0                | -              |             |
| Hori.       | 811.2     | 23.3                 | -               | 20.9           | 10.9 | 29.0 | -              | 26.1                | -              | 46.0               | -             | 19.9                | -              |             |
| Hori.       | 5000.0    | 42.3                 | 35.1            | 31.8           | 5.4  | 33.6 | -              | 45.9                | 38.8           | 73.9               | 53.9          | 28.0                | 15.1           |             |
| Hori.       | 5850.0    | 44.5                 | -               | 32.3           | 5.8  | 33.4 | -              | 49.2                | -              | 122.2              | -             | 73.0                | -              |             |
| Hori.       | 5855.0    | 43.5                 | -               | 32.3           | 5.8  | 33.4 | -              | 48.2                | -              | 110.8              | -             | 62.6                | -              |             |
| Hori.       | 5875.0    | 43.4                 | -               | 32.3           | 5.8  | 33.4 | -              | 48.1                | -              | 105.2              | -             | 57.1                | -              |             |
| Hori.       | 5925.0    | 42.9                 | -               | 32.4           | 5.8  | 33.4 | -              | 47.7                | -              | 68.2               | -             | 20.5                | -              |             |
| Hori.       | 11650.0   | 40.2                 | 32.9            | 37.8           | -1.6 | 33.2 | -              | 43.2                | 35.9           | 73.9               | 53.9          | 30.7                | 18.0           | Floor noise |
| Hori.       | 17475.0   | 41.9                 | -               | 40.2           | 0.0  | 32.2 | -              | 50.0                | -              | 68.2               | -             | 18.2                | -              | Floor noise |
| Vert.       | 59.9      | 27.3                 | -               | 9.2            | 7.0  | 28.5 | -              | 15.0                | -              | 40.0               | -             | 25.0                | -              |             |
| Vert.       | 77.3      | 30.1                 | -               | 9.1            | 7.2  | 28.5 | -              | 17.9                | -              | 40.0               | -             | 22.1                | -              |             |
| Vert.       | 89.2      | 26.8                 | -               | 9.5            | 7.3  | 28.4 | -              | 15.1                | -              | 43.5               | -             | 28.4                | -              |             |
| Vert.       | 220.8     | 23.5                 | -               | 11.2           | 8.2  | 27.9 | -              | 15.1                | -              | 46.0               | -             | 30.9                | -              |             |
| Vert.       | 737.6     | 34.7                 | -               | 20.1           | 10.6 | 29.2 | -              | 36.3                | -              | 46.0               | -             | 9.7                 | -              |             |
| Vert.       | 811.2     | 25.2                 | -               | 20.9           | 10.9 | 29.0 | -              | 28.0                | -              | 46.0               | -             | 18.0                | -              |             |
| Vert.       | 5000.0    | 42.6                 | 35.6            | 31.8           | 5.4  | 33.6 | -              | 46.2                | 39.3           | 73.9               | 53.9          | 27.7                | 14.6           |             |
| Vert.       | 5850.0    | 43.2                 | -               | 32.3           | 5.8  | 33.4 | -              | 47.9                | -              | 122.2              | -             | 74.3                | -              |             |
| Vert.       | 5855.0    | 42.7                 | -               | 32.3           | 5.8  | 33.4 | -              | 47.4                | -              | 110.8              | -             | 63.4                | -              |             |
| Vert.       | 5875.0    | 42.8                 | -               | 32.3           | 5.8  | 33.4 | -              | 47.5                | -              | 105.2              | -             | 57.7                | -              |             |
| Vert.       | 5925.0    | 42.3                 | -               | 32.4           | 5.8  | 33.4 | -              | 47.1                | -              | 68.2               | -             | 21.1                | -              |             |
| Vert.       | 11650.0   | 40.2                 | 32.9            | 37.8           | -1.6 | 33.2 | -              | 43.2                | 35.9           | 73.9               | 53.9          | 30.7                | 18.0           | Floor noise |
| Vert.       | 17475.0   | 41.9                 | -               | 40.2           | 0.0  | 32.2 | -              | 50.0                | -              | 68.2               | -             | 18.2                | -              | Floor noise |

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)  
Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor  
\*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).  
\*QP detector was used up to 1GHz.

Distance factor:              1 GHz - 6 GHz              20log (3.6 m / 3.0 m) = 1.59 dB  
                                         6 GHz - 10 GHz              20log (3.6 m / 3.0 m) = 1.59 dB  
                                         10 GHz - 26.5 GHz              20log (1.0 m / 3.0 m) = -9.5 dB

**Radiated Spurious Emission**

|                        |                                           |
|------------------------|-------------------------------------------|
| Test place             | Ise EMC Lab.                              |
| Semi Anechoic Chamber  | No.2                                      |
| Date                   | July 3, 2024                              |
| Temperature / Humidity | 23 deg. C / 71 % RH                       |
| Engineer               | Nachi Konegawa                            |
|                        | (1 GHz to 6 GHz)                          |
| Mode                   | Tx 11ax-20 [52-tone RU/Index 40] 5825 MHz |



\* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.  
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place  
Semi Anechoic Chamber  
Date  
Temperature / Humidity  
Engineer  
  
Mode

Ise EMC Lab.  
No.2  
July 3, 2024  
23 deg. C / 71 % RH  
Nachi Konegawa  
(1 GHz to 6 GHz)  
Tx 11ax-20 [106-tone RU/Index 54] 5825 MHz

| Polarity    | Frequency | Reading<br>(QP / PK) | Reading<br>(AV) | Ant.<br>Factor | Loss | Gain | Duty<br>Factor | Result<br>(QP / PK) | Result<br>(AV) | Limit<br>(QP / PK) | Limit<br>(AV) | Margin<br>(QP / PK) | Margin<br>(AV) | Remark |
|-------------|-----------|----------------------|-----------------|----------------|------|------|----------------|---------------------|----------------|--------------------|---------------|---------------------|----------------|--------|
| [Hori/Vert] | [MHz]     | [dBuV]               | [dBuV]          | [dB/m]         | [dB] | [dB] | [dB]           | [dBuV/m]            | [dBuV/m]       | [dBuV/m]           | [dBuV/m]      | [dB]                | [dB]           |        |
| Hori.       | 5850.0    | 44.1                 | -               | 32.3           | 5.8  | 33.4 | -              | 48.8                | -              | 122.2              | -             | 73.4                | -              |        |
| Hori.       | 5855.0    | 43.7                 | -               | 32.3           | 5.8  | 33.4 | -              | 48.3                | -              | 110.8              | -             | 62.5                | -              |        |
| Hori.       | 5875.0    | 43.5                 | -               | 32.3           | 5.8  | 33.4 | -              | 48.2                | -              | 105.2              | -             | 57.0                | -              |        |
| Hori.       | 5925.0    | 43.4                 | -               | 32.4           | 5.8  | 33.4 | -              | 48.2                | -              | 68.2               | -             | 20.0                | -              |        |
| Vert.       | 5850.0    | 43.4                 | -               | 32.3           | 5.8  | 33.4 | -              | 48.1                | -              | 122.2              | -             | 74.2                | -              |        |
| Vert.       | 5855.0    | 42.8                 | -               | 32.3           | 5.8  | 33.4 | -              | 47.5                | -              | 110.8              | -             | 63.3                | -              |        |
| Vert.       | 5875.0    | 42.9                 | -               | 32.3           | 5.8  | 33.4 | -              | 47.6                | -              | 105.2              | -             | 57.6                | -              |        |
| Vert.       | 5925.0    | 42.4                 | -               | 32.4           | 5.8  | 33.4 | -              | 47.2                | -              | 68.2               | -             | 21.0                | -              |        |

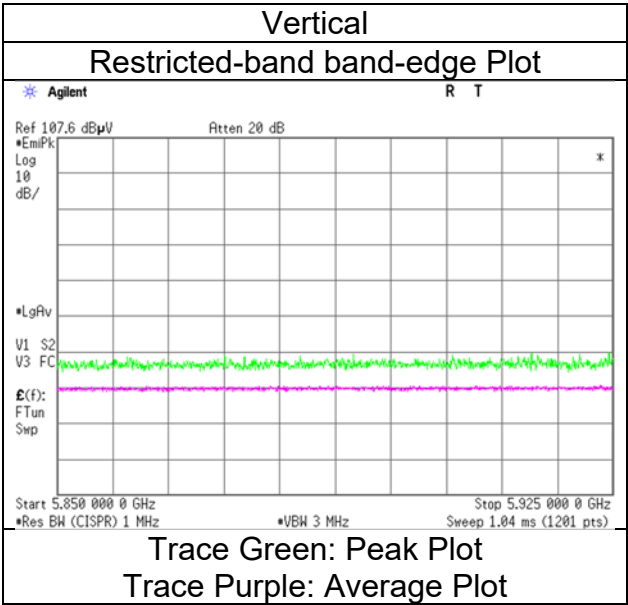
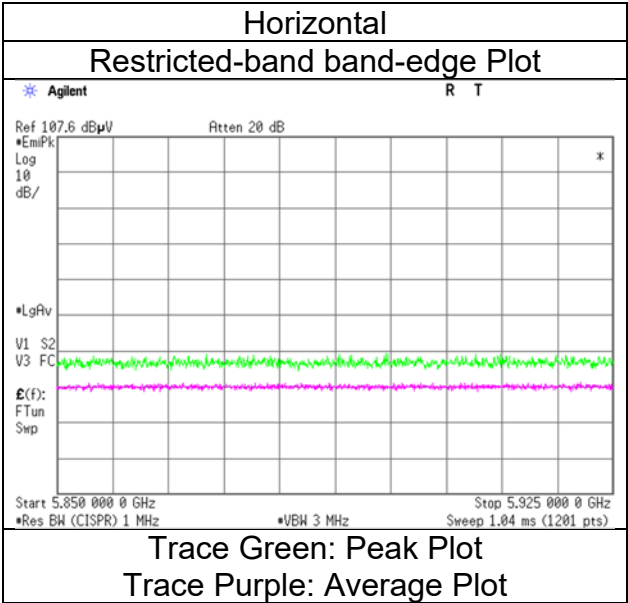
Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)  
Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor  
\*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).  
\*QP detector was used up to 1GHz.

Distance factor: 1 GHz - 6 GHz 20log (3.6 m / 3.0 m) = 1.59 dB

**Radiated Spurious Emission**

Test place  
Semi Anechoic Chamber  
Date  
Temperature / Humidity  
Engineer  
  
Mode

Ise EMC Lab.  
No.2  
July 3, 2024  
23 deg. C / 71 % RH  
Nachi Konegawa  
(1 GHz to 6 GHz)  
Tx 11ax-20 [106-tone RU/Index 54] 5825 MHz



\* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.  
Final result of restricted band edge was shown in tabular data.

## Radiated Spurious Emission

|                        |                                            |
|------------------------|--------------------------------------------|
| Test place             | Ise EMC Lab.                               |
| Semi Anechoic Chamber  | No.2                                       |
| Date                   | July 3, 2024                               |
| Temperature / Humidity | 23 deg. C / 71 % RH                        |
| Engineer               | Nachi Konegawa<br>(1 GHz to 6 GHz)         |
| Mode                   | Tx 11ax-20 [242-tone RU/Index 61] 5825 MHz |

| Polarity    | Frequency | Reading<br>(QP / PK) | Reading<br>(AV) | Ant.<br>Factor | Loss | Gain | Duty<br>Factor | Result<br>(QP / PK) | Result<br>(AV) | Limit<br>(QP / PK) | Limit<br>(AV) | Margin<br>(QP / PK) | Margin<br>(AV) | Remarks |
|-------------|-----------|----------------------|-----------------|----------------|------|------|----------------|---------------------|----------------|--------------------|---------------|---------------------|----------------|---------|
| [Hori/Vert] | [MHz]     | [dBuV]               | [dBuV]          | [dB/m]         | [dB] | [dB] | [dB]           | [dBuV/m]            | [dBuV/m]       | [dBuV/m]           | [dBuV/m]      | [dB]                | [dB]           |         |
| Hori.       | 5850.0    | 44.0                 | -               | 32.3           | 5.8  | 33.4 | -              | 48.7                | -              | 122.2              | -             | 73.5                | -              |         |
| Hori.       | 5855.0    | 43.5                 | -               | 32.3           | 5.8  | 33.4 | -              | 48.2                | -              | 110.8              | -             | 62.6                | -              |         |
| Hori.       | 5875.0    | 43.4                 | -               | 32.3           | 5.8  | 33.4 | -              | 48.1                | -              | 105.2              | -             | 57.1                | -              |         |
| Hori.       | 5925.0    | 43.2                 | -               | 32.4           | 5.8  | 33.4 | -              | 47.9                | -              | 68.2               | -             | 20.3                | -              |         |
| Vert.       | 5850.0    | 43.5                 | -               | 32.3           | 5.8  | 33.4 | -              | 48.2                | -              | 122.2              | -             | 74.0                | -              |         |
| Vert.       | 5855.0    | 42.9                 | -               | 32.3           | 5.8  | 33.4 | -              | 47.6                | -              | 110.8              | -             | 63.2                | -              |         |
| Vert.       | 5875.0    | 43.1                 | -               | 32.3           | 5.8  | 33.4 | -              | 47.8                | -              | 105.2              | -             | 57.4                | -              |         |
| Vert.       | 5925.0    | 42.6                 | -               | 32.4           | 5.8  | 33.4 | -              | 47.4                | -              | 68.2               | -             | 20.8                | -              |         |

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor

\*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

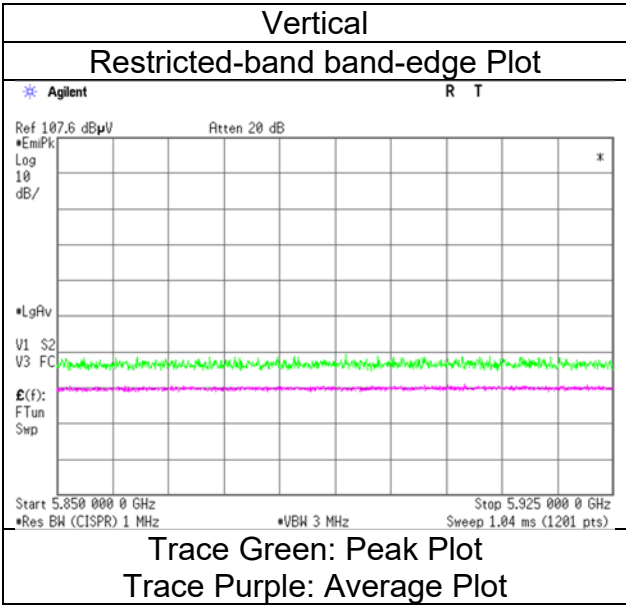
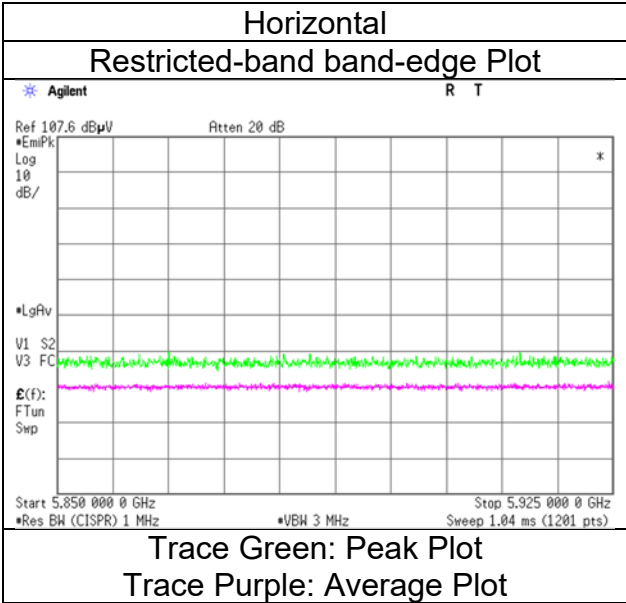
\*QP detector was used up to 1GHz.

Distance factor: 1 GHz - 6 GHz       $20\log (3.6 \text{ m} / 3.0 \text{ m}) = 1.59 \text{ dB}$

**Radiated Spurious Emission**

Test place  
Semi Anechoic Chamber  
Date  
Temperature / Humidity  
Engineer  
  
Mode

Ise EMC Lab.  
No.2  
July 3, 2024  
23 deg. C / 71 % RH  
Nachi Konegawa  
(1 GHz to 6 GHz)  
Tx 11ax-20 [242-tone RU/Index 61] 5825 MHz



\* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.  
Final result of restricted band edge was shown in tabular data.

**Radiated Spurious Emission**

Test place                      Ise EMC Lab.  
Semi Anechoic Chamber    No.2                              No.2                              No.2                              No.2  
Date                              July 2, 2024                      July 7, 2024                      July 8, 2024                      July 8, 2024  
Temperature / Humidity    23 deg. C / 70 % RH        20 deg. C / 60 % RH        23 deg. C / 70 % RH        23 deg. C / 70 % RH  
Engineer                      Nachi Konegawa                Shousei Hamaguchi        Tomoya Sone                Shousei Hamaguchi  
                                    (1 GHz to 10 GHz)              (10 GHz to 18 GHz)        (18 GHz to 26.5 GHz)      (26.5 GHz to 40 GHz)  
Mode                              Tx 11ax-40 [OFDM] 5190 MHz

| Polarity    | Frequency | Reading<br>(QP / PK) | Reading<br>(AV) | Ant.<br>Factor | Loss | Gain | Duty<br>Factor | Result<br>(QP / PK) | Result<br>(AV) | Limit<br>(QP / PK) | Limit<br>(AV) | Margin<br>(QP / PK) | Margin<br>(AV) | Remark      |
|-------------|-----------|----------------------|-----------------|----------------|------|------|----------------|---------------------|----------------|--------------------|---------------|---------------------|----------------|-------------|
| [Hori/Vert] | [MHz]     | [dBuV]               | [dBuV]          | [dB/m]         | [dB] | [dB] | [dB]           | [dBuV/m]            | [dBuV/m]       | [dBuV/m]           | [dBuV/m]      | [dB]                | [dB]           |             |
| Hori.       | 5000.0    | 46.4                 | 38.7            | 31.8           | 5.4  | 33.6 | -              | 50.1                | 42.3           | 73.9               | 53.9          | 23.9                | 11.6           |             |
| Hori.       | 5150.0    | 43.7                 | 34.5            | 31.9           | 5.5  | 33.5 | -              | 47.6                | 38.4           | 73.9               | 53.9          | 26.4                | 15.5           |             |
| Hori.       | 5760.0    | 47.0                 | -               | 32.1           | 5.7  | 33.4 | -              | 51.4                | -              | 68.2               | -             | 16.8                | -              |             |
| Hori.       | 6920.0    | 48.0                 | -               | 35.0           | 6.1  | 33.4 | -              | 55.8                | -              | 68.2               | -             | 12.4                | -              |             |
| Hori.       | 10380.0   | 41.8                 | -               | 36.1           | -2.2 | 33.8 | -              | 41.8                | -              | 68.2               | -             | 26.4                | -              | Floor noise |
| Hori.       | 15570.0   | 42.8                 | 35.1            | 39.4           | -0.4 | 32.8 | -              | 49.1                | 41.3           | 73.9               | 53.9          | 24.9                | 12.6           | Floor noise |
| Vert.       | 5000.0    | 46.4                 | 39.6            | 31.8           | 5.4  | 33.6 | -              | 50.1                | 43.3           | 73.9               | 53.9          | 23.8                | 10.6           |             |
| Vert.       | 5150.0    | 43.4                 | 35.0            | 31.9           | 5.5  | 33.5 | -              | 47.3                | 38.9           | 73.9               | 53.9          | 26.7                | 15.0           |             |
| Vert.       | 5760.0    | 45.7                 | -               | 32.1           | 5.7  | 33.4 | -              | 50.1                | -              | 68.2               | -             | 18.1                | -              |             |
| Vert.       | 6920.0    | 46.6                 | -               | 35.0           | 6.1  | 33.4 | -              | 54.4                | -              | 68.2               | -             | 13.8                | -              |             |
| Vert.       | 10380.0   | 41.8                 | -               | 36.1           | -2.2 | 33.8 | -              | 41.8                | -              | 68.2               | -             | 26.4                | -              | Floor noise |
| Vert.       | 15570.0   | 42.8                 | 35.1            | 39.4           | -0.4 | 32.8 | -              | 49.1                | 41.3           | 73.9               | 53.9          | 24.9                | 12.6           | Floor noise |

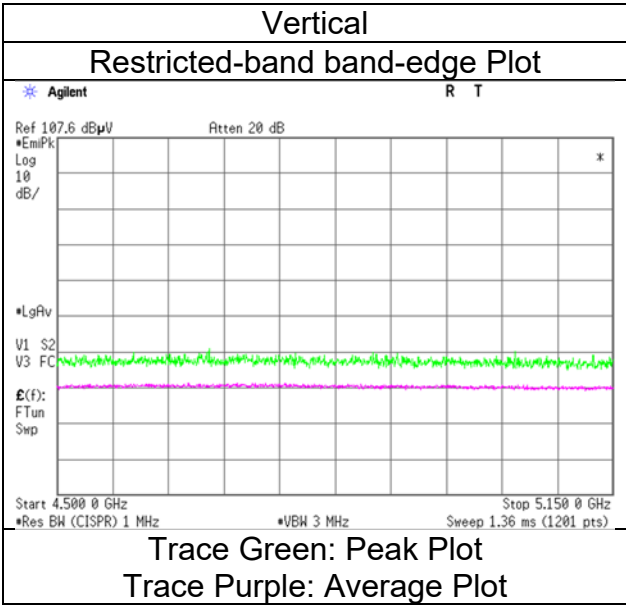
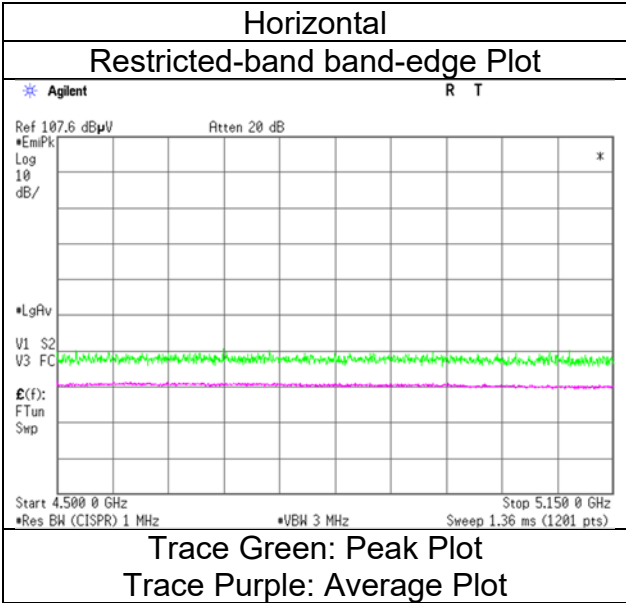
Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)  
Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor  
\*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).  
\*QP detector was used up to 1GHz.

Distance factor:            1 GHz - 6 GHz            20log (3.6 m / 3.0 m) = 1.59 dB  
                                    6 GHz - 10 GHz           20log (3.6 m / 3.0 m) = 1.59 dB  
                                    10 GHz - 26.5 GHz       20log (1.0 m / 3.0 m) = -9.5 dB

**Radiated Spurious Emission**

Test place  
Semi Anechoic Chamber  
Date  
Temperature / Humidity  
Engineer  
  
Mode

Ise EMC Lab.  
No.2  
July 2, 2024  
23 deg. C / 70 % RH  
Nachi Konegawa  
(1 GHz to 10 GHz)  
Tx 11ax-40 [OFDM] 5190 MHz



\* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.  
Final result of restricted band edge was shown in tabular data.

**Radiated Spurious Emission**

Test place                      Ise EMC Lab.  
Semi Anechoic Chamber      No.2                              No.2                              No.2                              No.2  
Date                              July 2, 2024                      July 7, 2024                      July 8, 2024                      July 8, 2024  
Temperature / Humidity      23 deg. C / 70 % RH          20 deg. C / 60 % RH          23 deg. C / 70 % RH          23 deg. C / 70 % RH  
Engineer                        Nachi Konegawa                  Shousei Hamaguchi          Tomoya Sone                  Shousei Hamaguchi  
                                         (1 GHz to 10 GHz)              (10 GHz to 18 GHz)          (18 GHz to 26.5 GHz)      (26.5 GHz to 40 GHz)  
Mode                              Tx 11ax-40 [OFDM] 5230 MHz

| Polarity    | Frequency | Reading<br>(QP / PK) | Reading<br>(AV) | Ant.<br>Factor | Loss | Gain | Duty<br>Factor | Result<br>(QP / PK) | Result<br>(AV) | Limit<br>(QP / PK) | Limit<br>(AV) | Margin<br>(QP / PK) | Margin<br>(AV) | Remark      |
|-------------|-----------|----------------------|-----------------|----------------|------|------|----------------|---------------------|----------------|--------------------|---------------|---------------------|----------------|-------------|
| [Hori/Vert] | [MHz]     | [dBuV]               | [dBuV]          | [dB/m]         | [dB] | [dB] | [dB]           | [dBuV/m]            | [dBuV/m]       | [dBuV/m]           | [dBuV/m]      | [dB]                | [dB]           |             |
| Hori.       | 5000.0    | 46.6                 | 38.7            | 31.8           | 5.4  | 33.6 | -              | 50.3                | 42.4           | 73.9               | 53.9          | 23.6                | 11.5           |             |
| Hori.       | 5350.0    | 43.9                 | 35.1            | 31.7           | 5.6  | 33.4 | -              | 47.7                | 38.9           | 73.9               | 53.9          | 26.2                | 15.0           |             |
| Hori.       | 5760.0    | 46.4                 | -               | 32.1           | 5.7  | 33.4 | -              | 50.9                | -              | 68.2               | -             | 17.4                | -              |             |
| Hori.       | 6973.3    | 49.4                 | -               | 35.1           | 6.2  | 33.4 | -              | 57.4                | -              | 68.2               | -             | 10.9                | -              |             |
| Hori.       | 10460.0   | 41.8                 | -               | 36.1           | -2.2 | 33.8 | -              | 42.0                | -              | 68.2               | -             | 26.2                | -              | Floor noise |
| Hori.       | 15690.0   | 43.4                 | 35.3            | 39.6           | -0.4 | 32.8 | -              | 49.7                | 41.6           | 73.9               | 53.9          | 24.2                | 12.3           | Floor noise |
| Vert.       | 5000.0    | 46.4                 | 39.7            | 31.8           | 5.4  | 33.6 | -              | 50.1                | 43.3           | 73.9               | 53.9          | 23.8                | 10.6           |             |
| Vert.       | 5350.0    | 44.7                 | 35.2            | 31.7           | 5.6  | 33.4 | -              | 48.6                | 39.1           | 73.9               | 53.9          | 25.3                | 14.8           |             |
| Vert.       | 5760.0    | 45.6                 | -               | 32.1           | 5.7  | 33.4 | -              | 50.0                | -              | 68.2               | -             | 18.2                | -              |             |
| Vert.       | 6973.3    | 46.8                 | -               | 35.1           | 6.2  | 33.4 | -              | 54.8                | -              | 68.2               | -             | 13.4                | -              |             |
| Vert.       | 10460.0   | 41.8                 | -               | 36.1           | -2.2 | 33.8 | -              | 42.0                | -              | 68.2               | -             | 26.2                | -              | Floor noise |
| Vert.       | 15690.0   | 43.4                 | 35.3            | 39.6           | -0.4 | 32.8 | -              | 49.7                | 41.6           | 73.9               | 53.9          | 24.2                | 12.3           | Floor noise |

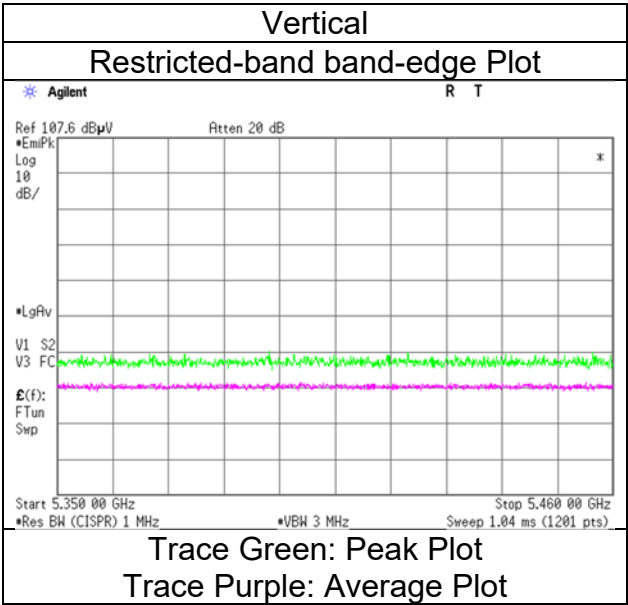
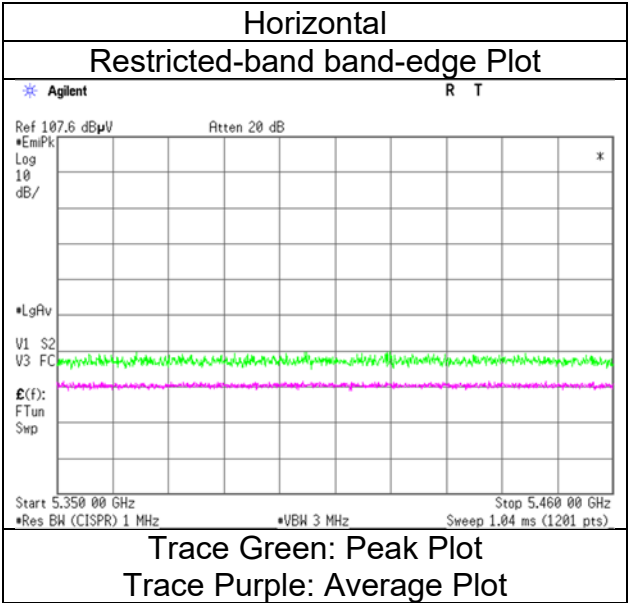
Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)  
Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor  
\*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).  
\*QP detector was used up to 1GHz.

Distance factor:              1 GHz - 6 GHz              20log (3.6 m / 3.0 m) = 1.59 dB  
                                         6 GHz - 10 GHz              20log (3.6 m / 3.0 m) = 1.59 dB  
                                         10 GHz - 26.5 GHz              20log (1.0 m / 3.0 m) = -9.5 dB

**Radiated Spurious Emission**

Test place  
Semi Anechoic Chamber  
Date  
Temperature / Humidity  
Engineer  
  
Mode

Ise EMC Lab.  
No.2  
July 2, 2024  
23 deg. C / 70 % RH  
Nachi Konegawa  
(1 GHz to 10 GHz)  
Tx 11ax-40 [OFDM] 5230 MHz



\* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.  
Final result of restricted band edge was shown in tabular data.

**Radiated Spurious Emission**

Test place                      Ise EMC Lab.  
Semi Anechoic Chamber    No.2                              No.2                              No.2                              No.2  
Date                              July 2, 2024                      July 7, 2024                      July 8, 2024                      July 8, 2024  
Temperature / Humidity    23 deg. C / 70 % RH        20 deg. C / 60 % RH        23 deg. C / 70 % RH        23 deg. C / 70 % RH  
Engineer                      Nachi Konegawa                Shousei Hamaguchi        Tomoya Sone                Shousei Hamaguchi  
                                         (1 GHz to 10 GHz)              (10 GHz to 18 GHz)        (18 GHz to 26.5 GHz)      (26.5 GHz to 40 GHz)  
Mode                              Tx 11ax-40 [OFDM] 5755 MHz

| Polarity    | Frequency | Reading<br>(QP / PK) | Reading<br>(AV) | Ant.<br>Factor | Loss | Gain | Duty<br>Factor | Result<br>(QP / PK) | Result<br>(AV) | Limit<br>(QP / PK) | Limit<br>(AV) | Margin<br>(QP / PK) | Margin<br>(AV) | Remark      |
|-------------|-----------|----------------------|-----------------|----------------|------|------|----------------|---------------------|----------------|--------------------|---------------|---------------------|----------------|-------------|
| [Hori/Vert] | [MHz]     | [dBuV]               | [dBuV]          | [dB/m]         | [dB] | [dB] | [dB]           | [dBuV/m]            | [dBuV/m]       | [dBuV/m]           | [dBuV/m]      | [dB]                | [dB]           |             |
| Hori.       | 5000.0    | 46.4                 | 38.6            | 31.8           | 5.4  | 33.6 | -              | 50.0                | 42.3           | 73.9               | 53.9          | 23.9                | 11.6           |             |
| Hori.       | 5650.0    | 43.4                 | -               | 31.8           | 5.7  | 33.4 | -              | 47.5                | -              | 73.9               | -             | 26.4                | -              |             |
| Hori.       | 5700.0    | 43.5                 | -               | 31.9           | 5.7  | 33.4 | -              | 47.8                | -              | 73.9               | -             | 26.1                | -              |             |
| Hori.       | 5720.0    | 44.0                 | -               | 32.0           | 5.7  | 33.4 | -              | 48.3                | -              | 73.9               | -             | 25.6                | -              |             |
| Hori.       | 5725.0    | 50.6                 | -               | 32.0           | 5.7  | 33.4 | -              | 55.0                | -              | 73.9               | -             | 18.9                | -              |             |
| Hori.       | 11510.0   | 40.8                 | 32.5            | 37.7           | -1.7 | 33.2 | -              | 43.6                | 35.3           | 73.9               | 53.9          | 30.3                | 18.6           | Floor noise |
| Hori.       | 17265.0   | 42.5                 | -               | 40.0           | 0.0  | 32.2 | -              | 50.2                | -              | 68.2               | -             | 18.0                | -              | Floor noise |
| Vert.       | 5000.0    | 46.8                 | 39.7            | 31.8           | 5.4  | 33.6 | -              | 50.5                | 43.4           | 73.9               | 53.9          | 23.4                | 10.5           |             |
| Vert.       | 5650.0    | 43.1                 | -               | 31.8           | 5.7  | 33.4 | -              | 47.3                | -              | 73.9               | -             | 26.6                | -              |             |
| Vert.       | 5700.0    | 43.6                 | -               | 31.9           | 5.7  | 33.4 | -              | 47.9                | -              | 73.9               | -             | 26.0                | -              |             |
| Vert.       | 5720.0    | 44.0                 | -               | 32.0           | 5.7  | 33.4 | -              | 48.3                | -              | 73.9               | -             | 25.6                | -              |             |
| Vert.       | 5725.0    | 50.2                 | -               | 32.0           | 5.7  | 33.4 | -              | 54.5                | -              | 73.9               | -             | 19.4                | -              |             |
| Vert.       | 11510.0   | 40.8                 | 32.5            | 37.7           | -1.7 | 33.2 | -              | 43.6                | 35.3           | 73.9               | 53.9          | 30.3                | 18.6           | Floor noise |
| Vert.       | 17265.0   | 42.5                 | -               | 40.0           | 0.0  | 32.2 | -              | 50.2                | -              | 68.2               | -             | 18.0                | -              | Floor noise |

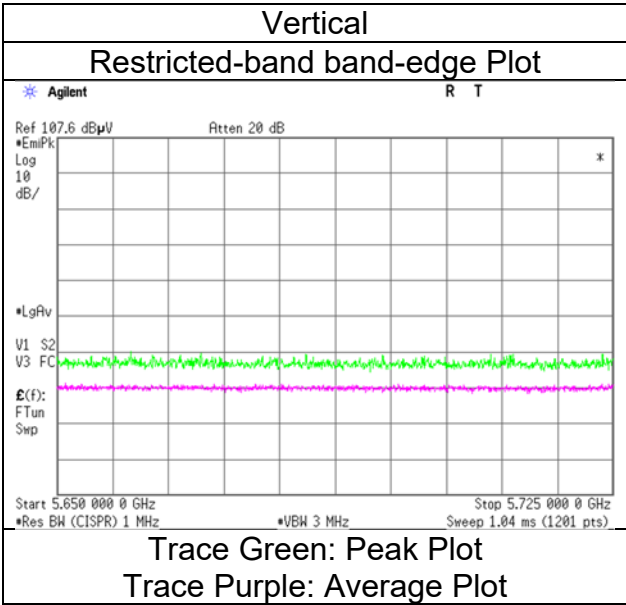
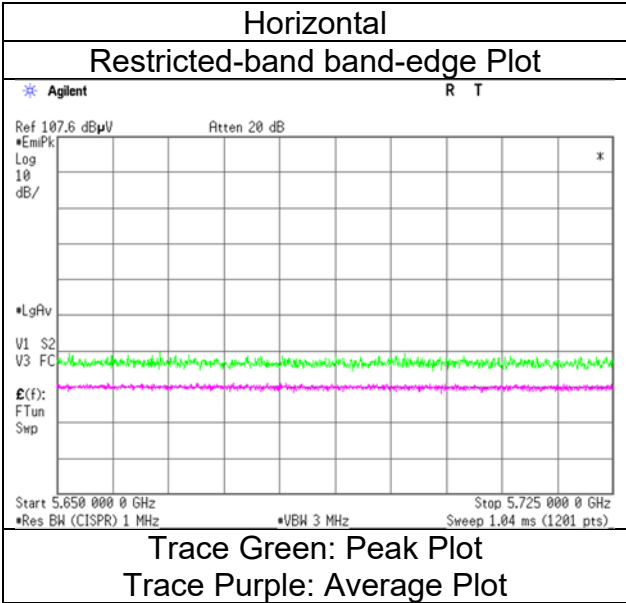
Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)  
Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor  
\*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).  
\*QP detector was used up to 1GHz.

Distance factor:            1 GHz - 6 GHz            20log (3.6 m / 3.0 m) = 1.59 dB  
                                  6 GHz - 10 GHz           20log (3.6 m / 3.0 m) = 1.59 dB  
                                  10 GHz - 26.5 GHz       20log (1.0 m / 3.0 m) = -9.5 dB

**Radiated Spurious Emission**

Test place  
Semi Anechoic Chamber  
Date  
Temperature / Humidity  
Engineer  
  
Mode

Ise EMC Lab.  
No.2  
July 2, 2024  
23 deg. C / 70 % RH  
Nachi Konegawa  
(1 GHz to 10 GHz)  
Tx 11ax-40 [OFDM] 5755 MHz



\* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.  
Final result of restricted band edge was shown in tabular data.

## Radiated Spurious Emission

|                        |                            |                     |                      |                      |
|------------------------|----------------------------|---------------------|----------------------|----------------------|
| Test place             | Ise EMC Lab.               |                     |                      |                      |
| Semi Anechoic Chamber  | No.2                       | No.2                | No.2                 | No.2                 |
| Date                   | July 2, 2024               | July 7, 2024        | July 8, 2024         | July 8, 2024         |
| Temperature / Humidity | 23 deg. C / 70 % RH        | 20 deg. C / 60 % RH | 23 deg. C / 70 % RH  | 23 deg. C / 70 % RH  |
| Engineer               | Nachi Konegawa             | Shousei Hamaguchi   | Tomoya Sone          | Shousei Hamaguchi    |
|                        | (1 GHz to 10 GHz)          | (10 GHz to 18 GHz)  | (18 GHz to 26.5 GHz) | (26.5 GHz to 40 GHz) |
| Mode                   | Tx 11ax-40 [OFDM] 5795 MHz |                     |                      |                      |

| Polarity    | Frequency | Reading<br>(QP / PK) | Reading<br>(AV) | Ant.<br>Factor | Loss | Gain | Duty<br>Factor | Result<br>(QP / PK) | Result<br>(AV) | Limit<br>(QP / PK) | Limit<br>(AV) | Margin<br>(QP / PK) | Margin<br>(AV) | Remark      |
|-------------|-----------|----------------------|-----------------|----------------|------|------|----------------|---------------------|----------------|--------------------|---------------|---------------------|----------------|-------------|
| [Hori/Vert] | [MHz]     | [dBuV]               | [dBuV]          | [dB/m]         | [dB] | [dB] | [dB]           | [dBuV/m]            | [dBuV/m]       | [dBuV/m]           | [dBuV/m]      | [dB]                | [dB]           |             |
| Hori.       | 5000.0    | 46.7                 | 39.1            | 31.8           | 5.4  | 33.6 | -              | 50.4                | 42.8           | 73.9               | 53.9          | 23.5                | 11.1           |             |
| Hori.       | 5850.0    | 44.3                 | -               | 32.3           | 5.8  | 33.4 | -              | 49.0                | -              | 73.9               | -             | 24.9                | -              |             |
| Hori.       | 5855.0    | 43.3                 | -               | 32.3           | 5.8  | 33.4 | -              | 48.0                | -              | 73.9               | -             | 25.9                | -              |             |
| Hori.       | 5875.0    | 43.0                 | -               | 32.3           | 5.8  | 33.4 | -              | 47.7                | -              | 73.9               | -             | 26.2                | -              |             |
| Hori.       | 5925.0    | 42.8                 | -               | 32.4           | 5.8  | 33.4 | -              | 47.6                | -              | 73.9               | -             | 26.3                | -              |             |
| Hori.       | 11590.0   | 40.1                 | 32.4            | 37.8           | -1.6 | 33.2 | -              | 43.1                | 35.3           | 73.9               | 53.9          | 30.8                | 18.6           | Floor noise |
| Hori.       | 17385.0   | 42.3                 | -               | 40.1           | 0.0  | 32.2 | -              | 50.3                | -              | 68.2               | -             | 17.9                | -              | Floor noise |
| Vert.       | 5000.0    | 46.5                 | 39.8            | 31.8           | 5.4  | 33.6 | -              | 50.1                | 43.4           | 73.9               | 53.9          | 23.8                | 10.5           |             |
| Vert.       | 5850.0    | 43.3                 | -               | 32.3           | 5.8  | 33.4 | -              | 48.0                | -              | 73.9               | -             | 26.0                | -              |             |
| Vert.       | 5855.0    | 42.8                 | -               | 32.3           | 5.8  | 33.4 | -              | 47.4                | -              | 73.9               | -             | 26.5                | -              |             |
| Vert.       | 5875.0    | 42.6                 | -               | 32.3           | 5.8  | 33.4 | -              | 47.4                | -              | 73.9               | -             | 26.6                | -              |             |
| Vert.       | 5925.0    | 42.5                 | -               | 32.4           | 5.8  | 33.4 | -              | 47.3                | -              | 73.9               | -             | 26.6                | -              |             |
| Vert.       | 11590.0   | 40.1                 | 32.4            | 37.8           | -1.6 | 33.2 | -              | 43.1                | 35.3           | 73.9               | 53.9          | 30.8                | 18.6           | Floor noise |
| Vert.       | 17385.0   | 42.3                 | -               | 40.1           | 0.0  | 32.2 | -              | 50.3                | -              | 68.2               | -             | 17.9                | -              | Floor noise |

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor

\*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

\*QP detector was used up to 1GHz.

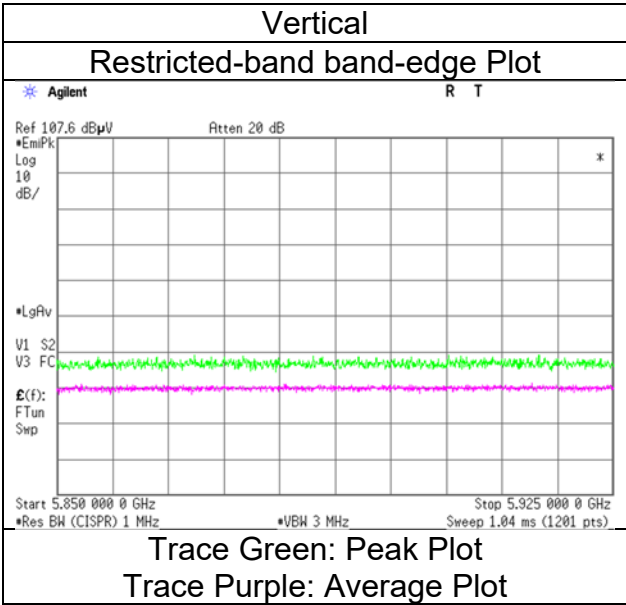
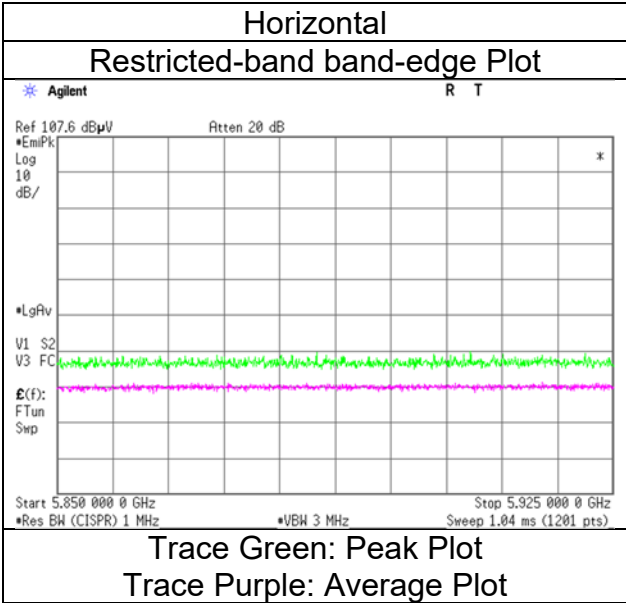
Distance factor:

|                   |                                 |
|-------------------|---------------------------------|
| 1 GHz - 6 GHz     | 20log (3.6 m / 3.0 m) = 1.59 dB |
| 6 GHz - 10 GHz    | 20log (3.6 m / 3.0 m) = 1.59 dB |
| 10 GHz - 26.5 GHz | 20log (1.0 m / 3.0 m) = -9.5 dB |

**Radiated Spurious Emission**

Test place  
Semi Anechoic Chamber  
Date  
Temperature / Humidity  
Engineer  
  
Mode

Ise EMC Lab.  
No.2  
July 2, 2024  
23 deg. C / 70 % RH  
Nachi Konegawa  
(1 GHz to 10 GHz)  
Tx 11ax-40 [OFDM] 5795 MHz



\* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.  
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place  
Semi Anechoic Chamber  
Date  
Temperature / Humidity  
Engineer  
  
Mode

Ise EMC Lab.  
No.2  
July 3, 2024  
23 deg. C / 71 % RH  
Nachi Konegawa  
(1 GHz to 6 GHz)  
Tx 11ax-40 [26-tone RU/Index 0] 5190 MHz

| Polarity    | Frequency | Reading<br>(QP / PK) | Reading<br>(AV) | Ant.<br>Factor | Loss | Gain | Duty<br>Factor | Result<br>(QP / PK) | Result<br>(AV) | Limit<br>(QP / PK) | Limit<br>(AV) | Margin<br>(QP / PK) | Margin<br>(AV) | Remark |
|-------------|-----------|----------------------|-----------------|----------------|------|------|----------------|---------------------|----------------|--------------------|---------------|---------------------|----------------|--------|
| [Hori/Vert] | [MHz]     | [dBuV]               | [dBuV]          | [dB/m]         | [dB] | [dB] | [dB]           | [dBuV/m]            | [dBuV/m]       | [dBuV/m]           | [dBuV/m]      | [dB]                | [dB]           |        |
| Hori.       | 5150.0    | 43.9                 | 35.0            | 31.9           | 5.5  | 33.5 | -              | 47.8                | 38.9           | 73.9               | 53.9          | 26.1                | 15.0           |        |
| Vert.       | 5150.0    | 43.8                 | 34.8            | 31.9           | 5.5  | 33.5 | -              | 47.7                | 38.7           | 73.9               | 53.9          | 26.2                | 15.2           |        |

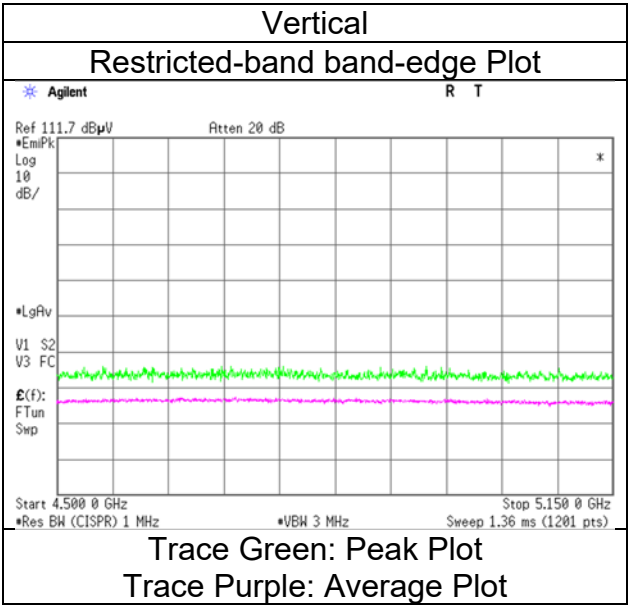
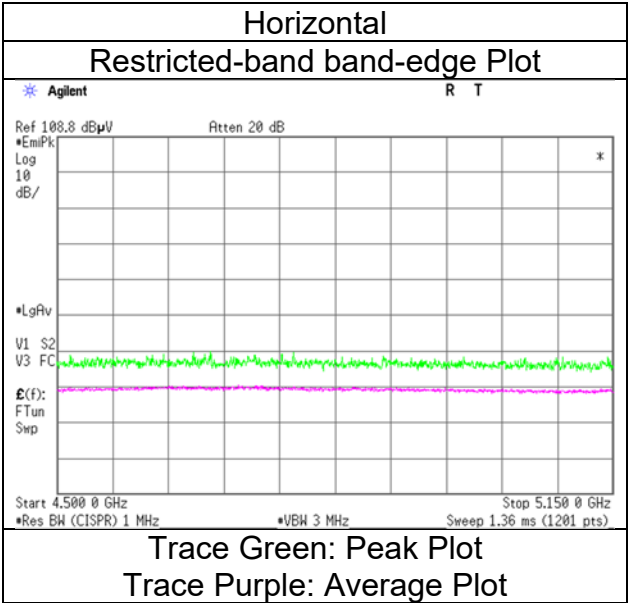
Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)  
Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor  
\*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).  
\*QP detector was used up to 1GHz.

Distance factor: 1 GHz - 6 GHz 20log (3.6 m / 3.0 m) = 1.59 dB

**Radiated Spurious Emission**

Test place  
Semi Anechoic Chamber  
Date  
Temperature / Humidity  
Engineer  
  
Mode

Ise EMC Lab.  
No.2  
July 3, 2024  
23 deg. C / 71 % RH  
Nachi Konegawa  
(1 GHz to 6 GHz)  
Tx 11ax-40 [26-tone RU/Index 0] 5190 MHz



\* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.  
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place Ise EMC Lab.  
Semi Anechoic Chamber No.2  
Date July 3, 2024  
Temperature / Humidity 23 deg. C / 71 % RH  
Engineer Nachi Konegawa  
(1 GHz to 6 GHz)  
Mode Tx 11ax-40 [52-tone RU/Index 37] 5190 MHz

| Polarity    | Frequency | Reading<br>(QP / PK) | Reading<br>(AV) | Ant.<br>Factor | Loss | Gain | Duty<br>Factor | Result<br>(QP / PK) | Result<br>(AV) | Limit<br>(QP / PK) | Limit<br>(AV) | Margin<br>(QP / PK) | Margin<br>(AV) | Remark |
|-------------|-----------|----------------------|-----------------|----------------|------|------|----------------|---------------------|----------------|--------------------|---------------|---------------------|----------------|--------|
| [Hori/Vert] | [MHz]     | [dBuV]               | [dBuV]          | [dB/m]         | [dB] | [dB] | [dB]           | [dBuV/m]            | [dBuV/m]       | [dBuV/m]           | [dBuV/m]      | [dB]                | [dB]           |        |
| Hori.       | 5150.0    | 43.6                 | 34.7            | 31.9           | 5.5  | 33.5 | -              | 47.4                | 38.5           | 73.9               | 53.9          | 26.5                | 15.4           |        |
| Vert.       | 5150.0    | 43.7                 | 34.6            | 31.9           | 5.5  | 33.5 | -              | 47.6                | 38.5           | 73.9               | 53.9          | 26.3                | 15.4           |        |

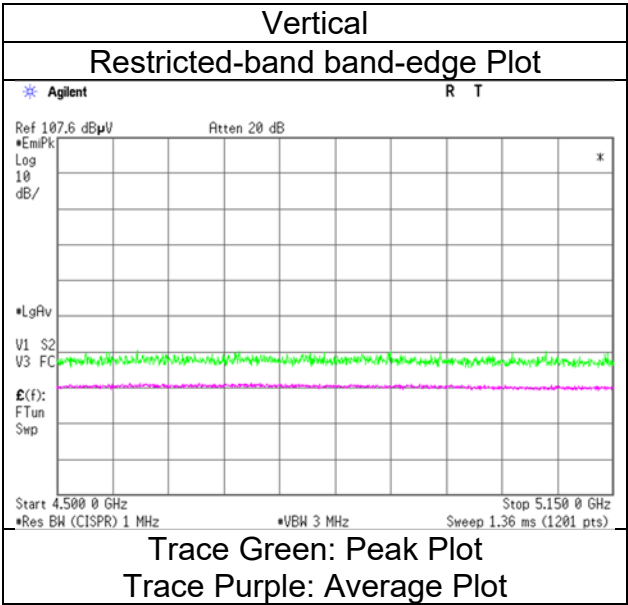
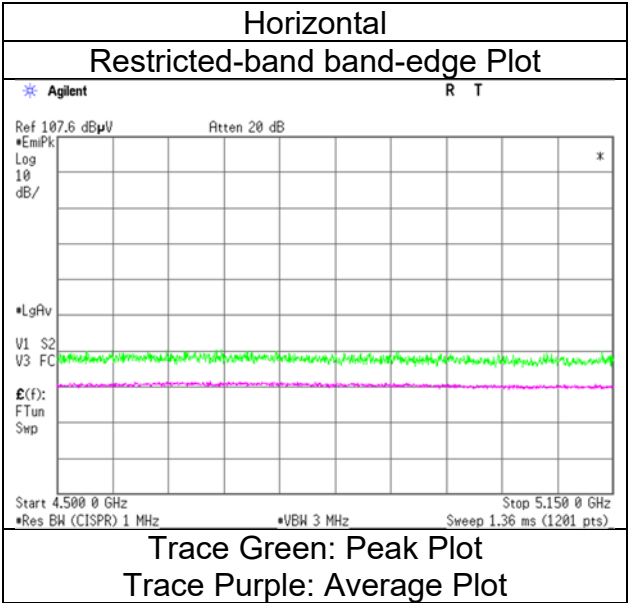
Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)  
Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor  
\*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).  
\*QP detector was used up to 1GHz.

Distance factor: 1 GHz - 6 GHz 20log (3.6 m / 3.0 m) = 1.59 dB

**Radiated Spurious Emission**

Test place  
Semi Anechoic Chamber  
Date  
Temperature / Humidity  
Engineer  
  
Mode

Ise EMC Lab.  
No.2  
July 3, 2024  
23 deg. C / 71 % RH  
Nachi Konegawa  
(1 GHz to 6 GHz)  
Tx 11ax-40 [52-tone RU/Index 37] 5190 MHz



\* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.  
Final result of restricted band edge was shown in tabular data.

## Radiated Spurious Emission

Test place                      Ise EMC Lab.  
Semi Anechoic Chamber      No.2  
Date                              July 3, 2024  
Temperature / Humidity      23 deg. C / 71 % RH  
Engineer                        Nachi Konegawa  
                                      (1 GHz to 6 GHz)  
Mode                              Tx 11ax-40 [106-tone RU/Index 53] 5190 MHz

| Polarity    | Frequency | Reading<br>(QP / PK) | Reading<br>(AV) | Ant.<br>Factor | Loss | Gain | Duty<br>Factor | Result<br>(QP / PK) | Result<br>(AV) | Limit<br>(QP / PK) | Limit<br>(AV) | Margin<br>(QP / PK) | Margin<br>(AV) | Remark |
|-------------|-----------|----------------------|-----------------|----------------|------|------|----------------|---------------------|----------------|--------------------|---------------|---------------------|----------------|--------|
| [Hori/Vert] | [MHz]     | [dBuV]               | [dBuV]          | [dB/m]         | [dB] | [dB] | [dB]           | [dBuV/m]            | [dBuV/m]       | [dBuV/m]           | [dBuV/m]      | [dB]                | [dB]           |        |
| Hori.       | 5150.0    | 44.0                 | 34.6            | 31.9           | 5.5  | 33.5 | -              | 47.9                | 38.5           | 73.9               | 53.9          | 26.1                | 15.4           |        |
| Vert.       | 5150.0    | 43.8                 | 34.8            | 31.9           | 5.5  | 33.5 | -              | 47.7                | 38.6           | 73.9               | 53.9          | 26.2                | 15.3           |        |

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor

\*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

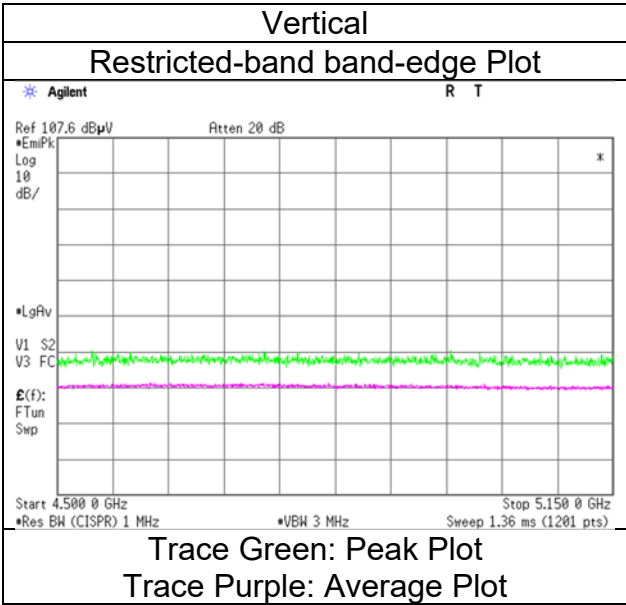
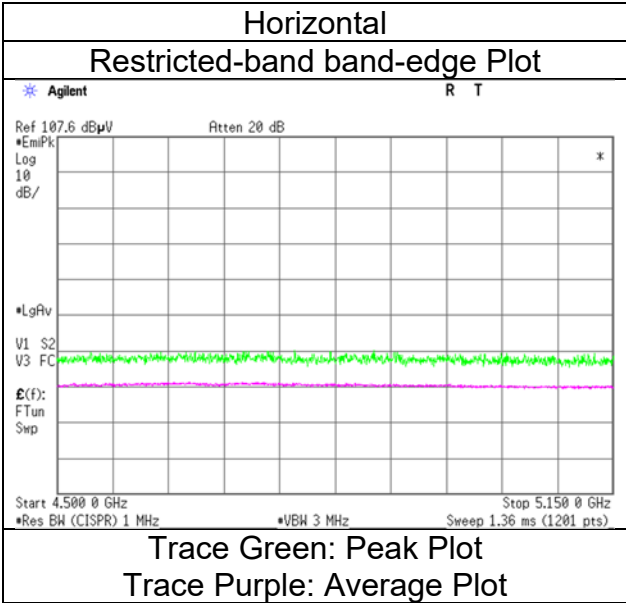
\*QP detector was used up to 1GHz.

Distance factor:            1 GHz - 6 GHz             $20\log(3.6\text{ m} / 3.0\text{ m}) = 1.59\text{ dB}$

**Radiated Spurious Emission**

Test place  
Semi Anechoic Chamber  
Date  
Temperature / Humidity  
Engineer  
  
Mode

Ise EMC Lab.  
No.2  
July 3, 2024  
23 deg. C / 71 % RH  
Nachi Konegawa  
(1 GHz to 6 GHz)  
Tx 11ax-40 [106-tone RU/Index 53] 5190 MHz



\* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.  
Final result of restricted band edge was shown in tabular data.

## Radiated Spurious Emission

|                        |                                            |
|------------------------|--------------------------------------------|
| Test place             | Ise EMC Lab.                               |
| Semi Anechoic Chamber  | No.2                                       |
| Date                   | July 3, 2024                               |
| Temperature / Humidity | 23 deg. C / 71 % RH                        |
| Engineer               | Nachi Konegawa<br>(1 GHz to 6 GHz)         |
| Mode                   | Tx 11ax-40 [242-tone RU/Index 61] 5190 MHz |

| Polarity    | Frequency | Reading<br>(QP / PK) | Reading<br>(AV) | Ant.<br>Factor | Loss | Gain | Duty<br>Factor | Result<br>(QP / PK) | Result<br>(AV) | Limit<br>(QP / PK) | Limit<br>(AV) | Margin<br>(QP / PK) | Margin<br>(AV) | Remark |
|-------------|-----------|----------------------|-----------------|----------------|------|------|----------------|---------------------|----------------|--------------------|---------------|---------------------|----------------|--------|
| [Hori/Vert] | [MHz]     | [dBuV]               | [dBuV]          | [dB/m]         | [dB] | [dB] | [dB]           | [dBuV/m]            | [dBuV/m]       | [dBuV/m]           | [dBuV/m]      | [dB]                | [dB]           |        |
| Hori.       | 5150.0    | 43.3                 | 34.7            | 31.9           | 5.5  | 33.5 | -              | 47.2                | 38.6           | 73.9               | 53.9          | 26.7                | 15.3           |        |
| Vert.       | 5150.0    | 44.0                 | 34.8            | 31.9           | 5.5  | 33.5 | -              | 47.9                | 38.7           | 73.9               | 53.9          | 26.0                | 15.2           |        |

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

$$\text{Result (AV)} = \text{Reading} + \text{Ant Factor} + \text{Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz))} - \text{Gain(Amplifier)} + \text{Duty factor}$$

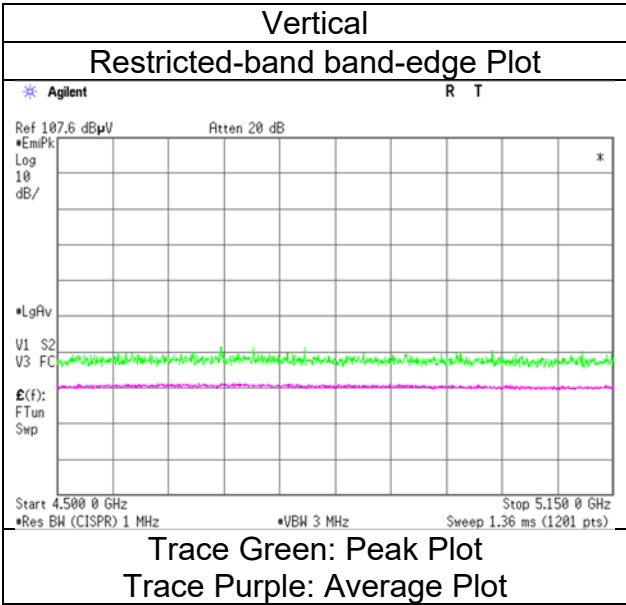
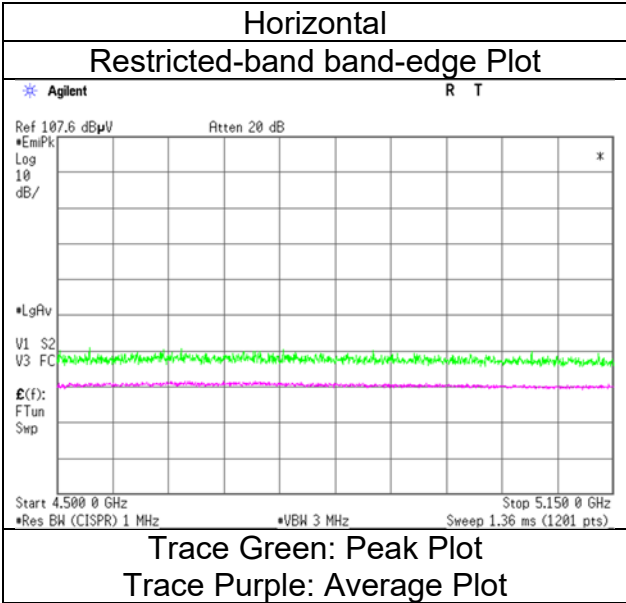
\*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

\*QP detector was used up to 1 GHz.

Distance factor: 1 GHz - 6 GHz  $20\log(3.6 \text{ m} / 3.0 \text{ m}) = 1.59 \text{ dB}$

**Radiated Spurious Emission**

|                        |                                            |
|------------------------|--------------------------------------------|
| Test place             | Ise EMC Lab.                               |
| Semi Anechoic Chamber  | No.2                                       |
| Date                   | July 3, 2024                               |
| Temperature / Humidity | 23 deg. C / 71 % RH                        |
| Engineer               | Nachi Konegawa                             |
|                        | (1 GHz to 6 GHz)                           |
| Mode                   | Tx 11ax-40 [242-tone RU/Index 61] 5190 MHz |



\* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.  
Final result of restricted band edge was shown in tabular data.

## Radiated Spurious Emission

|                        |                                            |
|------------------------|--------------------------------------------|
| Test place             | Ise EMC Lab.                               |
| Semi Anechoic Chamber  | No.2                                       |
| Date                   | July 3, 2024                               |
| Temperature / Humidity | 23 deg. C / 71 % RH                        |
| Engineer               | Nachi Konegawa<br>(1 GHz to 6 GHz)         |
| Mode                   | Tx 11ax-40 [484-tone RU/Index 65] 5190 MHz |

| Polarity    | Frequency | Reading<br>(QP / PK) | Reading<br>(AV) | Ant.<br>Factor | Loss | Gain | Duty<br>Factor | Result<br>(QP / PK) | Result<br>(AV) | Limit<br>(QP / PK) | Limit<br>(AV) | Margin<br>(QP / PK) | Margin<br>(AV) | Remark |
|-------------|-----------|----------------------|-----------------|----------------|------|------|----------------|---------------------|----------------|--------------------|---------------|---------------------|----------------|--------|
| [Hori/Vert] | [MHz]     | [dBuV]               | [dBuV]          | [dB/m]         | [dB] | [dB] | [dB]           | [dBuV/m]            | [dBuV/m]       | [dBuV/m]           | [dBuV/m]      | [dB]                | [dB]           |        |
| Hori.       | 5150.0    | 43.1                 | 34.6            | 31.9           | 5.5  | 33.5 | -              | 47.0                | 38.5           | 73.9               | 53.9          | 26.9                | 15.4           |        |
| Vert.       | 5150.0    | 44.2                 | 35.2            | 31.9           | 5.5  | 33.5 | -              | 48.1                | 39.1           | 73.9               | 53.9          | 25.8                | 14.8           |        |

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

$$\text{Result (AV)} = \text{Reading} + \text{Ant Factor} + \text{Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz))} - \text{Gain(Amplifier)} + \text{Duty factor}$$

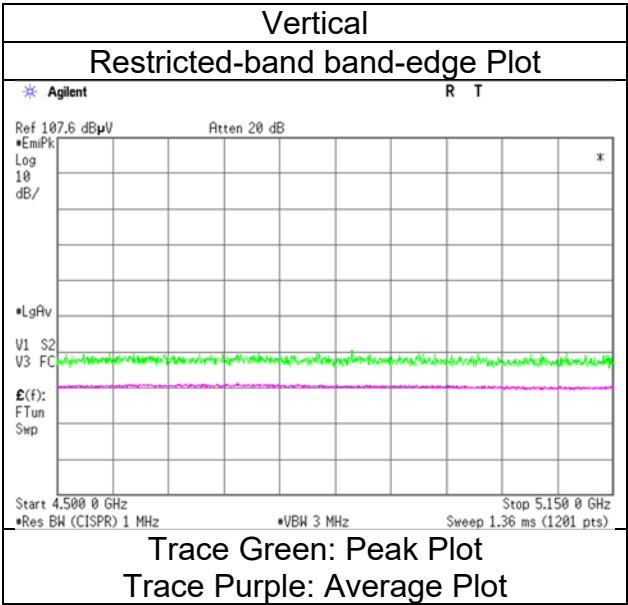
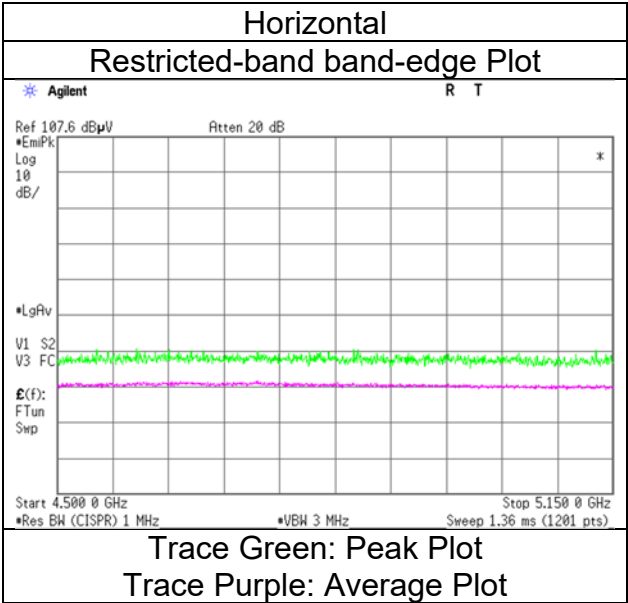
\*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

\*QP detector was used up to 1 GHz.

Distance factor: 1 GHz - 6 GHz  $20\log(3.6\text{ m} / 3.0\text{ m}) = 1.59\text{ dB}$

**Radiated Spurious Emission**

|                        |                                            |
|------------------------|--------------------------------------------|
| Test place             | Ise EMC Lab.                               |
| Semi Anechoic Chamber  | No.2                                       |
| Date                   | July 3, 2024                               |
| Temperature / Humidity | 23 deg. C / 71 % RH                        |
| Engineer               | Nachi Konegawa                             |
|                        | (1 GHz to 6 GHz)                           |
| Mode                   | Tx 11ax-40 [484-tone RU/Index 65] 5190 MHz |



\* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.  
Final result of restricted band edge was shown in tabular data.

## Radiated Spurious Emission

|                        |                                           |
|------------------------|-------------------------------------------|
| Test place             | Ise EMC Lab.                              |
| Semi Anechoic Chamber  | No.2                                      |
| Date                   | July 3, 2024                              |
| Temperature / Humidity | 23 deg. C / 71 % RH                       |
| Engineer               | Nachi Konegawa<br>(1 GHz to 6 GHz)        |
| Mode                   | Tx 11ax-40 [26-tone RU/Index 17] 5230 MHz |

| Polarity    | Frequency | Reading<br>(QP / PK) | Reading<br>(AV) | Ant.<br>Factor | Loss | Gain | Duty<br>Factor | Result<br>(QP / PK) | Result<br>(AV) | Limit<br>(QP / PK) | Limit<br>(AV) | Margin<br>(QP / PK) | Margin<br>(AV) | Remark |
|-------------|-----------|----------------------|-----------------|----------------|------|------|----------------|---------------------|----------------|--------------------|---------------|---------------------|----------------|--------|
| [Hori/Vert] | [MHz]     | [dBuV]               | [dBuV]          | [dB/m]         | [dB] | [dB] | [dB]           | [dBuV/m]            | [dBuV/m]       | [dBuV/m]           | [dBuV/m]      | [dB]                | [dB]           |        |
| Hori.       | 5350.0    | 44.5                 | 36.0            | 31.7           | 5.6  | 33.4 | -              | 48.4                | 39.9           | 73.9               | 53.9          | 25.5                | 14.0           |        |
| Vert.       | 5350.0    | 44.4                 | 35.2            | 31.7           | 5.6  | 33.4 | -              | 48.3                | 39.1           | 73.9               | 53.9          | 25.6                | 14.8           |        |

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

$$\text{Result (AV)} = \text{Reading} + \text{Ant Factor} + \text{Loss (Cable+Attenuator+Filter+Distance factor (above 1 GHz))} - \text{Gain (Amplifier)} + \text{Duty factor}$$

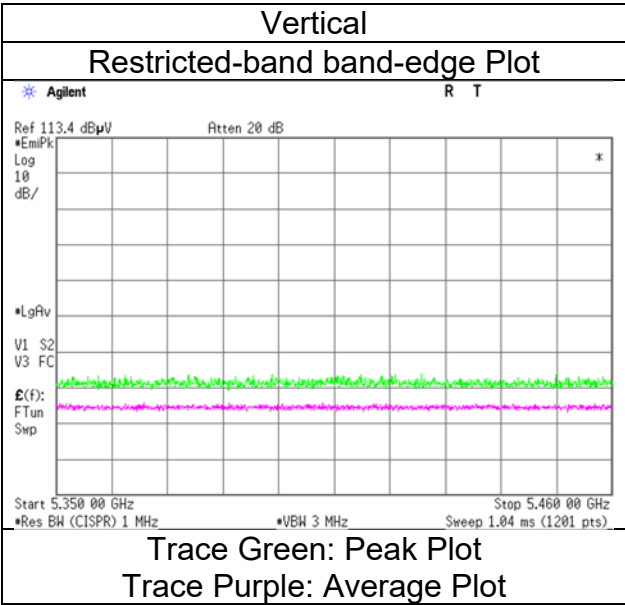
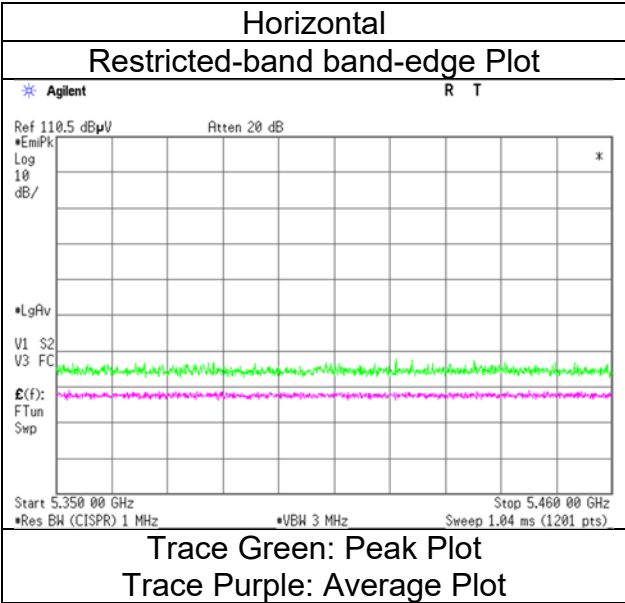
\*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

\*QP detector was used up to 1 GHz.

Distance factor: 1 GHz - 6 GHz       $20\log(3.6 \text{ m} / 3.0 \text{ m}) = 1.59 \text{ dB}$

**Radiated Spurious Emission**

|                        |                                           |
|------------------------|-------------------------------------------|
| Test place             | Ise EMC Lab.                              |
| Semi Anechoic Chamber  | No.2                                      |
| Date                   | July 3, 2024                              |
| Temperature / Humidity | 23 deg. C / 71 % RH                       |
| Engineer               | Nachi Konegawa                            |
|                        | (1 GHz to 6 GHz)                          |
| Mode                   | Tx 11ax-40 [26-tone RU/Index 17] 5230 MHz |



\* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.  
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place Ise EMC Lab.  
Semi Anechoic Chamber No.2  
Date July 3, 2024  
Temperature / Humidity 23 deg. C / 71 % RH  
Engineer Nachi Konegawa  
(1 GHz to 6 GHz)  
Mode Tx 11ax-40 [52-tone RU/Index 44] 5230 MHz

| Polarity    | Frequency | Reading<br>(QP / PK) | Reading<br>(AV) | Ant.<br>Factor | Loss | Gain | Duty<br>Factor | Result<br>(QP / PK) | Result<br>(AV) | Limit<br>(QP / PK) | Limit<br>(AV) | Margin<br>(QP / PK) | Margin<br>(AV) | Remark |
|-------------|-----------|----------------------|-----------------|----------------|------|------|----------------|---------------------|----------------|--------------------|---------------|---------------------|----------------|--------|
| [Hori/Vert] | [MHz]     | [dBuV]               | [dBuV]          | [dB/m]         | [dB] | [dB] | [dB]           | [dBuV/m]            | [dBuV/m]       | [dBuV/m]           | [dBuV/m]      | [dB]                | [dB]           |        |
| Hori.       | 5350.0    | 44.7                 | 35.5            | 31.7           | 5.6  | 33.4 | -              | 48.5                | 39.4           | 73.9               | 53.9          | 25.4                | 14.6           |        |
| Vert.       | 5350.0    | 44.5                 | 35.2            | 31.7           | 5.6  | 33.4 | -              | 48.3                | 39.0           | 73.9               | 53.9          | 25.6                | 14.9           |        |

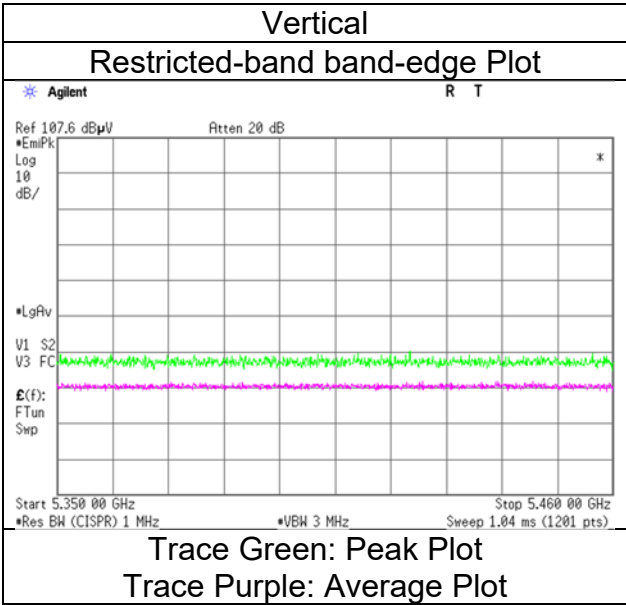
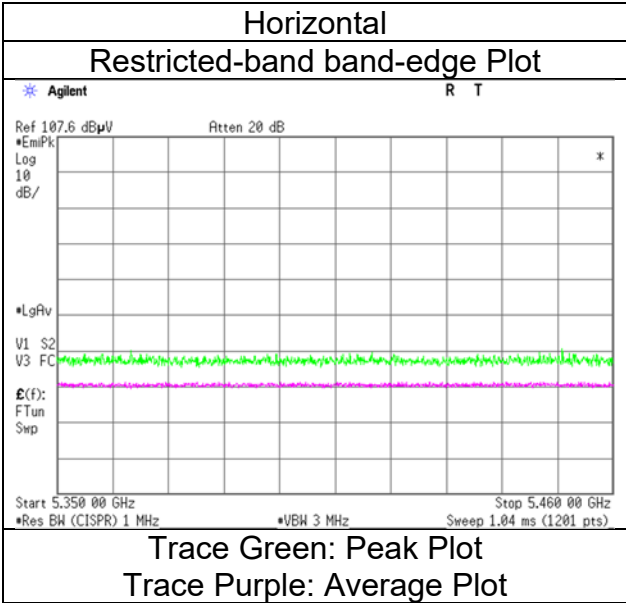
Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)  
Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor  
\*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).  
\*QP detector was used up to 1GHz.

Distance factor: 1 GHz - 6 GHz 20log (3.6 m / 3.0 m) = 1.59 dB

**Radiated Spurious Emission**

Test place  
Semi Anechoic Chamber  
Date  
Temperature / Humidity  
Engineer  
  
Mode

Ise EMC Lab.  
No.2  
July 3, 2024  
23 deg. C / 71 % RH  
Nachi Konegawa  
(1 GHz to 6 GHz)  
Tx 11ax-40 [52-tone RU/Index 44] 5230 MHz



\* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.  
Final result of restricted band edge was shown in tabular data.

## Radiated Spurious Emission

Test place Ise EMC Lab.  
Semi Anechoic Chamber No.2  
Date July 3, 2024  
Temperature / Humidity 23 deg. C / 71 % RH  
Engineer Nachi Konegawa  
(1 GHz to 6 GHz)  
Mode Tx 11ax-40 [106-tone RU/Index 56] 5230 MHz

| Polarity    | Frequency | Reading<br>(QP / PK) | Reading<br>(AV) | Ant.<br>Factor | Loss | Gain | Duty<br>Factor | Result<br>(QP / PK) | Result<br>(AV) | Limit<br>(QP / PK) | Limit<br>(AV) | Margin<br>(QP / PK) | Margin<br>(AV) | Remark |
|-------------|-----------|----------------------|-----------------|----------------|------|------|----------------|---------------------|----------------|--------------------|---------------|---------------------|----------------|--------|
| [Hori/Vert] | [MHz]     | [dBuV]               | [dBuV]          | [dB/m]         | [dB] | [dB] | [dB]           | [dBuV/m]            | [dBuV/m]       | [dBuV/m]           | [dBuV/m]      | [dB]                | [dB]           |        |
| Hori.       | 5350.0    | 44.7                 | 35.8            | 31.7           | 5.6  | 33.4 | -              | 48.5                | 39.7           | 73.9               | 53.9          | 25.4                | 14.2           |        |
| Vert.       | 5350.0    | 44.6                 | 35.4            | 31.7           | 5.6  | 33.4 | -              | 48.4                | 39.2           | 73.9               | 53.9          | 25.5                | 14.7           |        |

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor

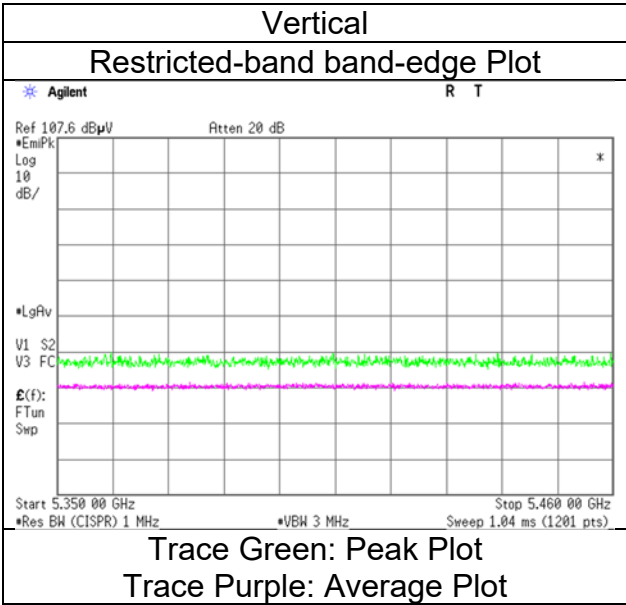
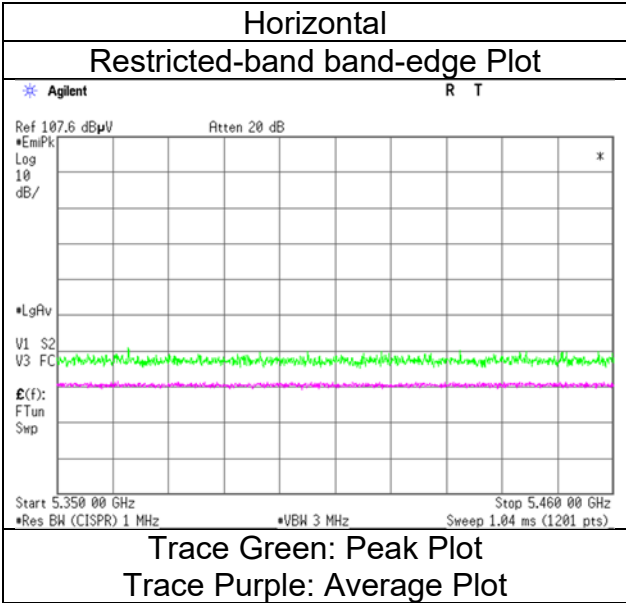
\*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

\*QP detector was used up to 1GHz.

Distance factor: 1 GHz - 6 GHz 20log (3.6 m / 3.0 m) = 1.59 dB

**Radiated Spurious Emission**

|                        |                                            |
|------------------------|--------------------------------------------|
| Test place             | Ise EMC Lab.                               |
| Semi Anechoic Chamber  | No.2                                       |
| Date                   | July 3, 2024                               |
| Temperature / Humidity | 23 deg. C / 71 % RH                        |
| Engineer               | Nachi Konegawa                             |
|                        | (1 GHz to 6 GHz)                           |
| Mode                   | Tx 11ax-40 [106-tone RU/Index 56] 5230 MHz |



\* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.  
Final result of restricted band edge was shown in tabular data.

## Radiated Spurious Emission

|                        |                                            |
|------------------------|--------------------------------------------|
| Test place             | Ise EMC Lab.                               |
| Semi Anechoic Chamber  | No.2                                       |
| Date                   | July 3, 2024                               |
| Temperature / Humidity | 23 deg. C / 71 % RH                        |
| Engineer               | Nachi Konegawa<br>(1 GHz to 6 GHz)         |
| Mode                   | Tx 11ax-40 [242-tone RU/Index 62] 5230 MHz |

| Polarity    | Frequency | Reading<br>(QP / PK) | Reading<br>(AV) | Ant.<br>Factor | Loss | Gain | Duty<br>Factor | Result<br>(QP / PK) | Result<br>(AV) | Limit<br>(QP / PK) | Limit<br>(AV) | Margin<br>(QP / PK) | Margin<br>(AV) | Remark |
|-------------|-----------|----------------------|-----------------|----------------|------|------|----------------|---------------------|----------------|--------------------|---------------|---------------------|----------------|--------|
| [Hori/Vert] | [MHz]     | [dBuV]               | [dBuV]          | [dB/m]         | [dB] | [dB] | [dB]           | [dBuV/m]            | [dBuV/m]       | [dBuV/m]           | [dBuV/m]      | [dB]                | [dB]           |        |
| Hori.       | 5350.0    | 44.8                 | 35.7            | 31.7           | 5.6  | 33.4 | -              | 48.6                | 39.5           | 73.9               | 53.9          | 25.3                | 14.4           |        |
| Vert.       | 5350.0    | 44.2                 | 35.4            | 31.7           | 5.6  | 33.4 | -              | 48.0                | 39.3           | 73.9               | 53.9          | 25.9                | 14.6           |        |

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

$$\text{Result (AV)} = \text{Reading} + \text{Ant Factor} + \text{Loss (Cable+Attenuator+Filter+Distance factor (above 1 GHz))} - \text{Gain (Amplifier)} + \text{Duty factor}$$

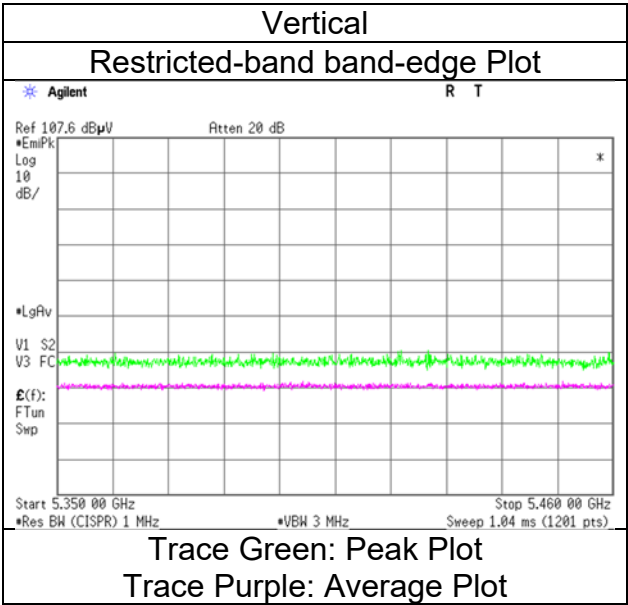
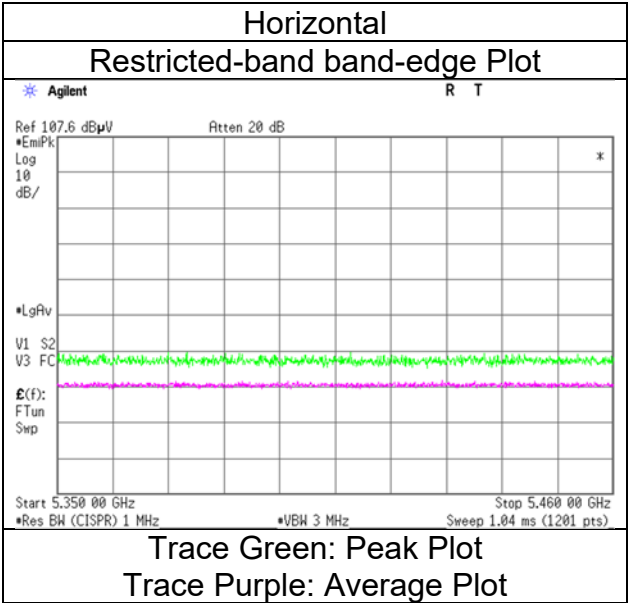
\*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

\*QP detector was used up to 1 GHz.

Distance factor: 1 GHz - 6 GHz       $20\log(3.6 \text{ m} / 3.0 \text{ m}) = 1.59 \text{ dB}$

**Radiated Spurious Emission**

|                        |                                            |
|------------------------|--------------------------------------------|
| Test place             | Ise EMC Lab.                               |
| Semi Anechoic Chamber  | No.2                                       |
| Date                   | July 3, 2024                               |
| Temperature / Humidity | 23 deg. C / 71 % RH                        |
| Engineer               | Nachi Konegawa                             |
|                        | (1 GHz to 6 GHz)                           |
| Mode                   | Tx 11ax-40 [242-tone RU/Index 62] 5230 MHz |



\* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.  
Final result of restricted band edge was shown in tabular data.

## Radiated Spurious Emission

|                        |                                            |
|------------------------|--------------------------------------------|
| Test place             | Ise EMC Lab.                               |
| Semi Anechoic Chamber  | No.2                                       |
| Date                   | July 3, 2024                               |
| Temperature / Humidity | 23 deg. C / 71 % RH                        |
| Engineer               | Nachi Konegawa                             |
|                        | (1 GHz to 6 GHz)                           |
| Mode                   | Tx 11ax-40 [484-tone RU/Index 65] 5230 MHz |

| Polarity    | Frequency | Reading<br>(QP / PK) | Reading<br>(AV) | Ant.<br>Factor | Loss | Gain | Duty<br>Factor | Result<br>(QP / PK) | Result<br>(AV) | Limit<br>(QP / PK) | Limit<br>(AV) | Margin<br>(QP / PK) | Margin<br>(AV) | Remark |
|-------------|-----------|----------------------|-----------------|----------------|------|------|----------------|---------------------|----------------|--------------------|---------------|---------------------|----------------|--------|
| [Hori/Vert] | [MHz]     | [dBuV]               | [dBuV]          | [dB/m]         | [dB] | [dB] | [dB]           | [dBuV/m]            | [dBuV/m]       | [dBuV/m]           | [dBuV/m]      | [dB]                | [dB]           |        |
| Hori.       | 5350.0    | 44.3                 | 35.6            | 31.7           | 5.6  | 33.4 | -              | 48.2                | 39.4           | 73.9               | 53.9          | 25.7                | 14.5           |        |
| Vert.       | 5350.0    | 44.1                 | 35.1            | 31.7           | 5.6  | 33.4 | -              | 47.9                | 38.9           | 73.9               | 53.9          | 26.0                | 15.0           |        |

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor

\*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

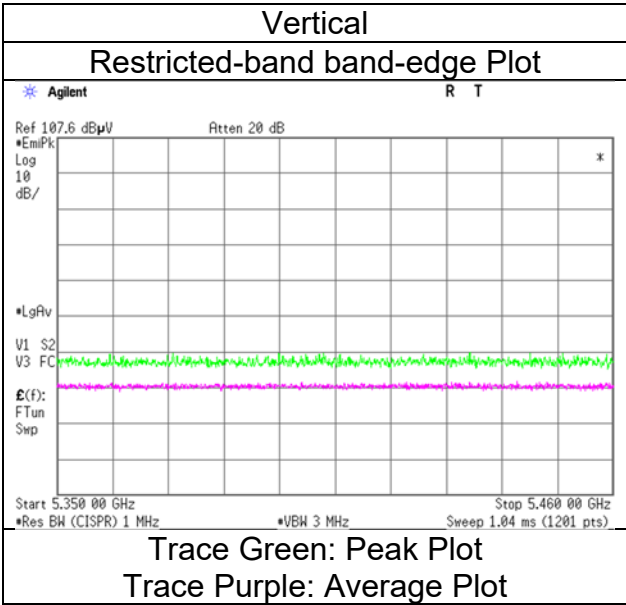
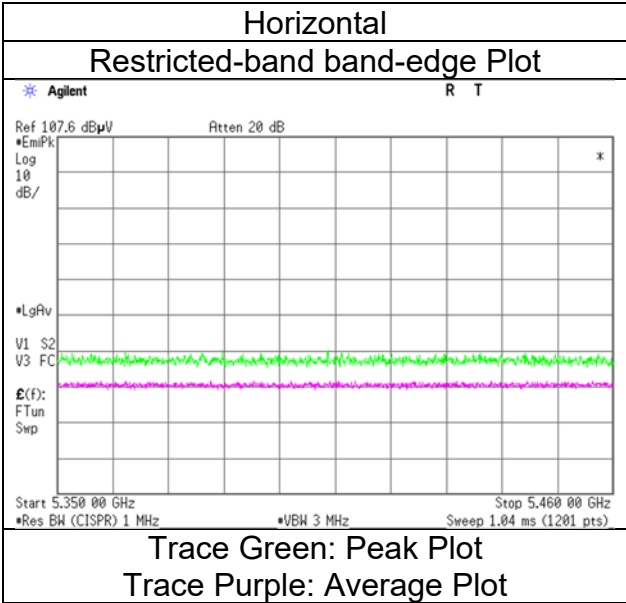
\*QP detector was used up to 1GHz.

Distance factor:      1 GHz - 6 GHz       $20\log(3.6\text{ m} / 3.0\text{ m}) = 1.59\text{ dB}$

**Radiated Spurious Emission**

Test place  
Semi Anechoic Chamber  
Date  
Temperature / Humidity  
Engineer  
  
Mode

Ise EMC Lab.  
No.2  
July 3, 2024  
23 deg. C / 71 % RH  
Nachi Konegawa  
(1 GHz to 6 GHz)  
Tx 11ax-40 [484-tone RU/Index 65] 5230 MHz



\* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.  
Final result of restricted band edge was shown in tabular data.

## Radiated Spurious Emission

|                        |                                          |
|------------------------|------------------------------------------|
| Test place             | Ise EMC Lab.                             |
| Semi Anechoic Chamber  | No.2                                     |
| Date                   | July 3, 2024                             |
| Temperature / Humidity | 24 deg. C / 69 % RH                      |
| Engineer               | Tomoya Sone                              |
|                        | (1 GHz to 6 GHz)                         |
| Mode                   | Tx 11ax-40 [26-tone RU/Index 0] 5755 MHz |

| Polarity    | Frequency | Reading<br>(QP / PK) | Reading<br>(AV) | Ant.<br>Factor | Loss | Gain | Duty<br>Factor | Result<br>(QP / PK) | Result<br>(AV) | Limit<br>(QP / PK) | Limit<br>(AV) | Margin<br>(QP / PK) | Margin<br>(AV) | Remarks |
|-------------|-----------|----------------------|-----------------|----------------|------|------|----------------|---------------------|----------------|--------------------|---------------|---------------------|----------------|---------|
| [Hori/Vert] | [MHz]     | [dBuV]               | [dBuV]          | [dB/m]         | [dB] | [dB] | [dB]           | [dBuV/m]            | [dBuV/m]       | [dBuV/m]           | [dBuV/m]      | [dB]                | [dB]           |         |
| Hori.       | 5650.0    | 41.1                 | -               | 31.8           | 5.7  | 33.4 | -              | 45.2                | -              | 68.2               | -             | 23.0                | -              |         |
| Hori.       | 5700.0    | 40.9                 | -               | 31.9           | 5.7  | 33.4 | -              | 45.1                | -              | 105.2              | -             | 60.1                | -              |         |
| Hori.       | 5720.0    | 41.5                 | -               | 32.0           | 5.7  | 33.4 | -              | 45.8                | -              | 110.8              | -             | 65.0                | -              |         |
| Hori.       | 5725.0    | 51.9                 | -               | 32.0           | 5.7  | 33.4 | -              | 56.2                | -              | 122.2              | -             | 66.0                | -              |         |
| Vert.       | 5650.0    | 38.4                 | -               | 31.8           | 5.7  | 33.4 | -              | 42.5                | -              | 68.2               | -             | 25.7                | -              |         |
| Vert.       | 5700.0    | 38.3                 | -               | 31.9           | 5.7  | 33.4 | -              | 42.6                | -              | 105.2              | -             | 62.6                | -              |         |
| Vert.       | 5720.0    | 38.4                 | -               | 32.0           | 5.7  | 33.4 | -              | 42.8                | -              | 110.8              | -             | 68.1                | -              |         |
| Vert.       | 5725.0    | 46.1                 | -               | 32.0           | 5.7  | 33.4 | -              | 50.4                | -              | 122.2              | -             | 71.8                | -              |         |

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

$$\text{Result (AV)} = \text{Reading} + \text{Ant Factor} + \text{Loss (Cable+Attenuator+Filter+Distance factor (above 1 GHz))} - \text{Gain (Amplifier)} + \text{Duty factor}$$

\*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

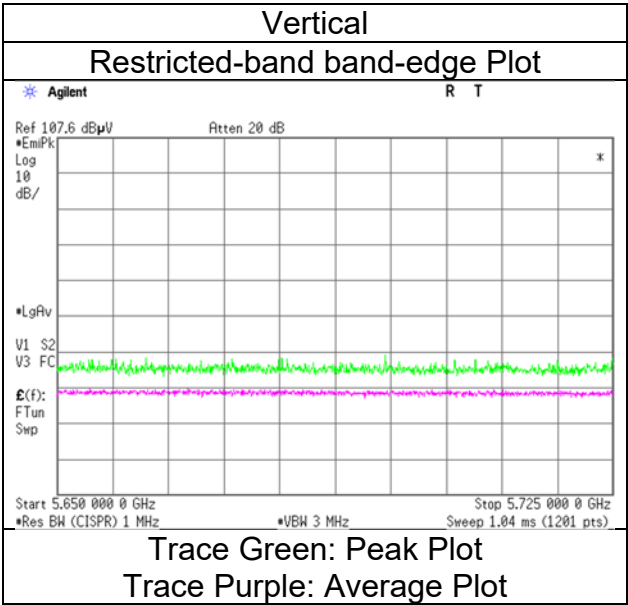
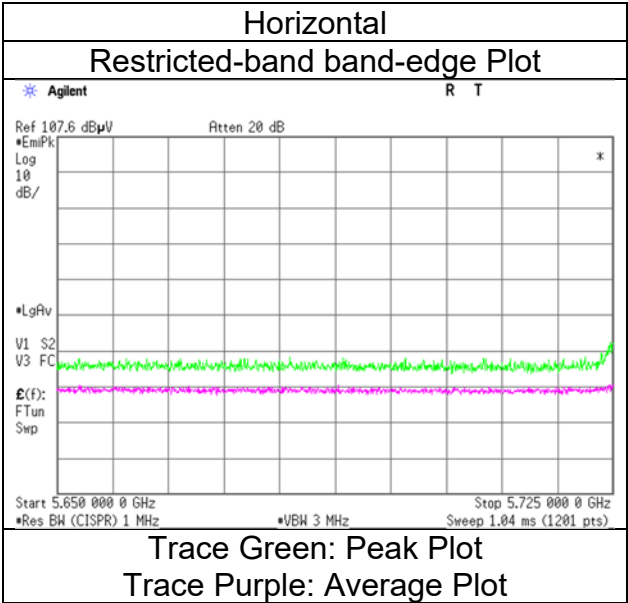
\*QP detector was used up to 1 GHz.

Distance factor: 1 GHz - 6 GHz  $20\log(3.6 \text{ m} / 3.0 \text{ m}) = 1.59 \text{ dB}$

**Radiated Spurious Emission**

Test place  
Semi Anechoic Chamber  
Date  
Temperature / Humidity  
Engineer  
  
Mode

Ise EMC Lab.  
No.2  
July 3, 2024  
24 deg. C / 69 % RH  
Tomoya Sone  
(1 GHz to 6 GHz)  
Tx 11ax-40 [26-tone RU/Index 0] 5755 MHz



\* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.  
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place  
Semi Anechoic Chamber  
Date  
Temperature / Humidity  
Engineer  
  
Mode

Ise EMC Lab.  
No.2  
July 3, 2024  
24 deg. C / 69 % RH  
Tomoya Sone  
(1 GHz to 6 GHz)  
Tx 11ax-40 [52-tone RU/Index 37] 5755 MHz

| Polarity    | Frequency | Reading<br>(QP / PK) | Reading<br>(AV) | Ant.<br>Factor | Loss | Gain | Duty<br>Factor | Result<br>(QP / PK) | Result<br>(AV) | Limit<br>(QP / PK) | Limit<br>(AV) | Margin<br>(QP / PK) | Margin<br>(AV) | Remark |
|-------------|-----------|----------------------|-----------------|----------------|------|------|----------------|---------------------|----------------|--------------------|---------------|---------------------|----------------|--------|
| [Hori/Vert] | [MHz]     | [dBuV]               | [dBuV]          | [dB/m]         | [dB] | [dB] | [dB]           | [dBuV/m]            | [dBuV/m]       | [dBuV/m]           | [dBuV/m]      | [dB]                | [dB]           |        |
| Hori.       | 5650.0    | 41.4                 | -               | 31.8           | 5.7  | 33.4 | -              | 45.6                | -              | 68.2               | -             | 22.7                | -              |        |
| Hori.       | 5700.0    | 41.6                 | -               | 31.9           | 5.7  | 33.4 | -              | 45.8                | -              | 105.2              | -             | 59.4                | -              |        |
| Hori.       | 5720.0    | 41.9                 | -               | 32.0           | 5.7  | 33.4 | -              | 46.2                | -              | 110.8              | -             | 64.6                | -              |        |
| Hori.       | 5725.0    | 51.6                 | -               | 32.0           | 5.7  | 33.4 | -              | 56.0                | -              | 122.2              | -             | 66.2                | -              |        |
| Vert.       | 5650.0    | 38.6                 | -               | 31.8           | 5.7  | 33.4 | -              | 42.7                | -              | 68.2               | -             | 25.5                | -              |        |
| Vert.       | 5700.0    | 38.9                 | -               | 31.9           | 5.7  | 33.4 | -              | 43.2                | -              | 105.2              | -             | 62.1                | -              |        |
| Vert.       | 5720.0    | 39.1                 | -               | 32.0           | 5.7  | 33.4 | -              | 43.5                | -              | 110.8              | -             | 67.4                | -              |        |
| Vert.       | 5725.0    | 47.0                 | -               | 32.0           | 5.7  | 33.4 | -              | 51.3                | -              | 122.2              | -             | 70.9                | -              |        |

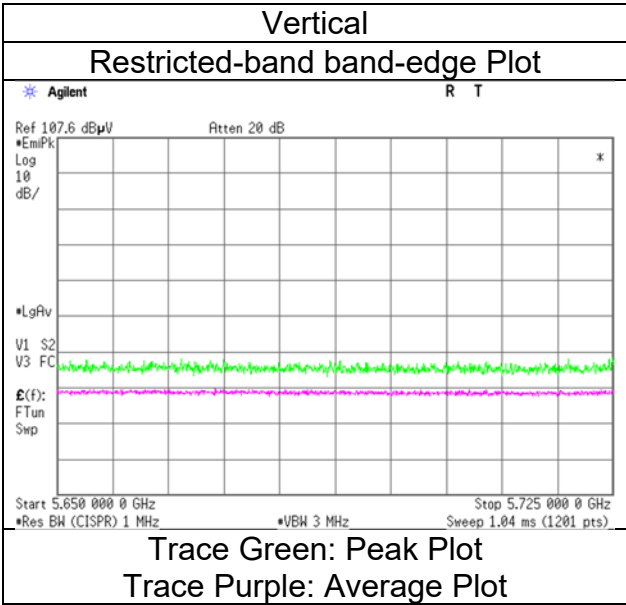
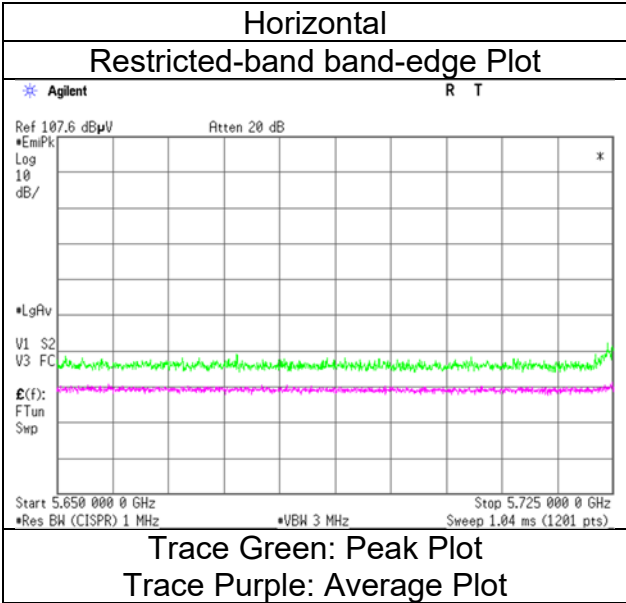
Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)  
Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor  
\*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).  
\*QP detector was used up to 1GHz.

Distance factor: 1 GHz - 6 GHz 20log (3.6 m / 3.0 m) = 1.59 dB

**Radiated Spurious Emission**

Test place  
Semi Anechoic Chamber  
Date  
Temperature / Humidity  
Engineer  
  
Mode

Ise EMC Lab.  
No.2  
July 3, 2024  
24 deg. C / 69 % RH  
Tomoya Sone  
(1 GHz to 6 GHz)  
Tx 11ax-40 [52-tone RU/Index 37] 5755 MHz



\* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.  
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place  
Semi Anechoic Chamber  
Date  
Temperature / Humidity  
Engineer  
  
Mode

Ise EMC Lab.  
No.2  
July 3, 2024  
24 deg. C / 69 % RH  
Tomoya Sone  
(1 GHz to 6 GHz)  
Tx 11ax-40 [106-tone RU/Index 53] 5755 MHz

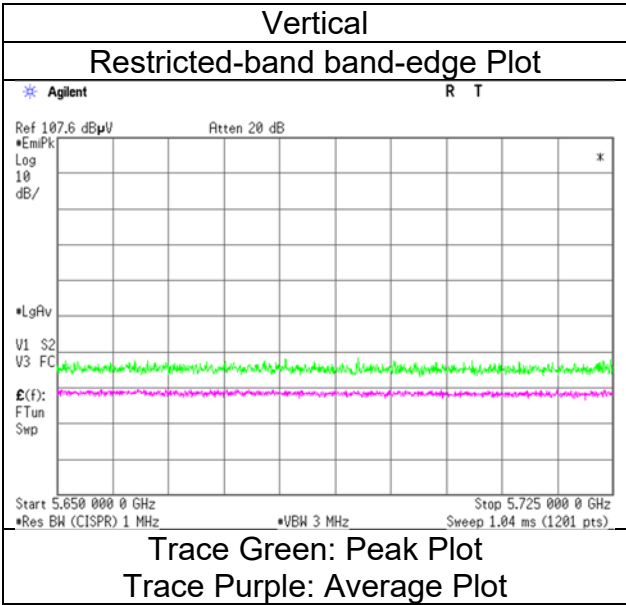
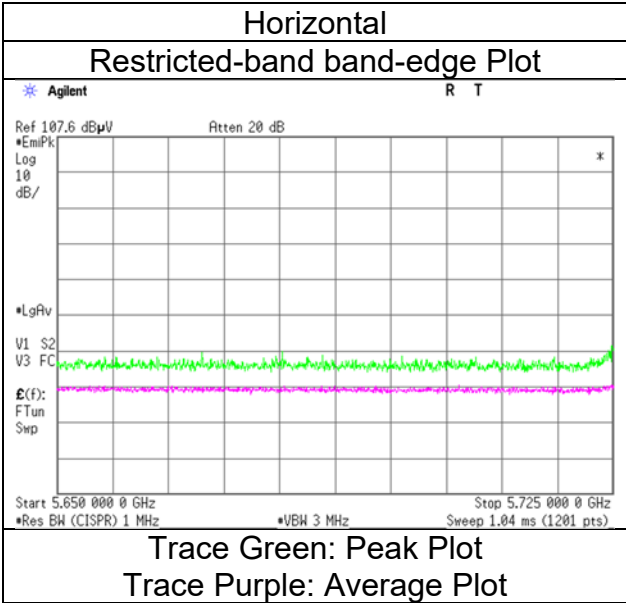
| Polarity    | Frequency | Reading<br>(QP / PK) | Reading<br>(AV) | Ant.<br>Factor | Loss | Gain | Duty<br>Factor | Result<br>(QP / PK) | Result<br>(AV) | Limit<br>(QP / PK) | Limit<br>(AV) | Margin<br>(QP / PK) | Margin<br>(AV) | Remark |
|-------------|-----------|----------------------|-----------------|----------------|------|------|----------------|---------------------|----------------|--------------------|---------------|---------------------|----------------|--------|
| [Hori/Vert] | [MHz]     | [dBuV]               | [dBuV]          | [dB/m]         | [dB] | [dB] | [dB]           | [dBuV/m]            | [dBuV/m]       | [dBuV/m]           | [dBuV/m]      | [dB]                | [dB]           |        |
| Hori.       | 5650.0    | 41.8                 | -               | 31.8           | 5.7  | 33.4 | -              | 45.9                | -              | 68.2               | -             | 22.3                | -              |        |
| Hori.       | 5700.0    | 41.1                 | -               | 31.9           | 5.7  | 33.4 | -              | 45.4                | -              | 105.2              | -             | 59.8                | -              |        |
| Hori.       | 5720.0    | 41.0                 | -               | 32.0           | 5.7  | 33.4 | -              | 45.3                | -              | 110.8              | -             | 65.5                | -              |        |
| Hori.       | 5725.0    | 51.4                 | -               | 32.0           | 5.7  | 33.4 | -              | 55.7                | -              | 122.2              | -             | 66.5                | -              |        |
| Vert.       | 5650.0    | 38.7                 | -               | 31.8           | 5.7  | 33.4 | -              | 42.8                | -              | 68.2               | -             | 25.4                | -              |        |
| Vert.       | 5700.0    | 38.0                 | -               | 31.9           | 5.7  | 33.4 | -              | 42.3                | -              | 105.2              | -             | 62.9                | -              |        |
| Vert.       | 5720.0    | 38.0                 | -               | 32.0           | 5.7  | 33.4 | -              | 42.3                | -              | 110.8              | -             | 68.5                | -              |        |
| Vert.       | 5725.0    | 42.5                 | -               | 32.0           | 5.7  | 33.4 | -              | 46.8                | -              | 122.2              | -             | 75.4                | -              |        |

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)  
Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor  
\*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).  
\*QP detector was used up to 1GHz.

Distance factor: 1 GHz - 6 GHz 20log (3.6 m / 3.0 m) = 1.59 dB

**Radiated Spurious Emission**

|                        |                                            |
|------------------------|--------------------------------------------|
| Test place             | Ise EMC Lab.                               |
| Semi Anechoic Chamber  | No.2                                       |
| Date                   | July 3, 2024                               |
| Temperature / Humidity | 24 deg. C / 69 % RH                        |
| Engineer               | Tomoya Sone                                |
|                        | (1 GHz to 6 GHz)                           |
| Mode                   | Tx 11ax-40 [106-tone RU/Index 53] 5755 MHz |



\* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.  
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place  
Semi Anechoic Chamber  
Date  
Temperature / Humidity  
Engineer  
  
Mode

Ise EMC Lab.  
No.2  
July 3, 2024  
24 deg. C / 69 % RH  
Tomoya Sone  
(1 GHz to 6 GHz)  
Tx 11ax-40 [242-tone RU/Index 61] 5755 MHz

| Polarity    | Frequency | Reading<br>(QP / PK) | Reading<br>(AV) | Ant.<br>Factor | Loss | Gain | Duty<br>Factor | Result<br>(QP / PK) | Result<br>(AV) | Limit<br>(QP / PK) | Limit<br>(AV) | Margin<br>(QP / PK) | Margin<br>(AV) | Remark |
|-------------|-----------|----------------------|-----------------|----------------|------|------|----------------|---------------------|----------------|--------------------|---------------|---------------------|----------------|--------|
| [Hori/Vert] | [MHz]     | [dBuV]               | [dBuV]          | [dB/m]         | [dB] | [dB] | [dB]           | [dBuV/m]            | [dBuV/m]       | [dBuV/m]           | [dBuV/m]      | [dB]                | [dB]           |        |
| Hori.       | 5650.0    | 40.7                 | -               | 31.8           | 5.7  | 33.4 | -              | 44.8                | -              | 68.2               | -             | 23.4                | -              |        |
| Hori.       | 5700.0    | 40.0                 | -               | 31.9           | 5.7  | 33.4 | -              | 44.3                | -              | 105.2              | -             | 61.0                | -              |        |
| Hori.       | 5720.0    | 42.3                 | -               | 32.0           | 5.7  | 33.4 | -              | 46.6                | -              | 110.8              | -             | 64.2                | -              |        |
| Hori.       | 5725.0    | 48.5                 | -               | 32.0           | 5.7  | 33.4 | -              | 52.9                | -              | 122.2              | -             | 69.3                | -              |        |
| Vert.       | 5650.0    | 38.8                 | -               | 31.8           | 5.7  | 33.4 | -              | 42.9                | -              | 68.2               | -             | 25.3                | -              |        |
| Vert.       | 5700.0    | 38.4                 | -               | 31.9           | 5.7  | 33.4 | -              | 42.6                | -              | 105.2              | -             | 62.6                | -              |        |
| Vert.       | 5720.0    | 39.8                 | -               | 32.0           | 5.7  | 33.4 | -              | 44.1                | -              | 110.8              | -             | 66.7                | -              |        |
| Vert.       | 5725.0    | 44.2                 | -               | 32.0           | 5.7  | 33.4 | -              | 48.6                | -              | 122.2              | -             | 73.6                | -              |        |

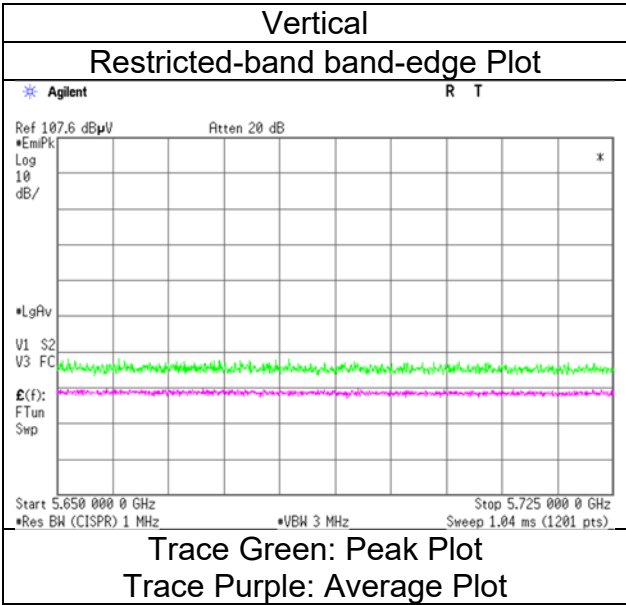
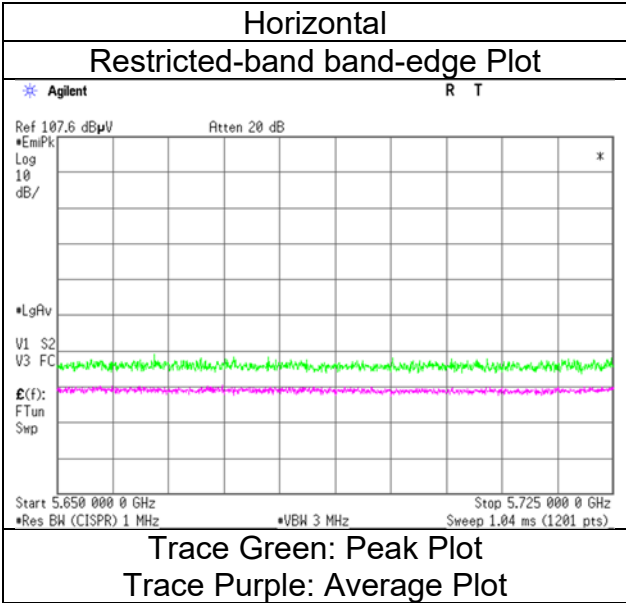
Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)  
Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor  
\*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).  
\*QP detector was used up to 1GHz.

Distance factor: 1 GHz - 6 GHz 20log (3.6 m / 3.0 m) = 1.59 dB

**Radiated Spurious Emission**

Test place  
Semi Anechoic Chamber  
Date  
Temperature / Humidity  
Engineer  
  
Mode

Ise EMC Lab.  
No.2  
July 3, 2024  
24 deg. C / 69 % RH  
Tomoya Sone  
(1 GHz to 6 GHz)  
Tx 11ax-40 [242-tone RU/Index 61] 5755 MHz



\* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.  
Final result of restricted band edge was shown in tabular data.

## Radiated Spurious Emission

|                        |                                            |
|------------------------|--------------------------------------------|
| Test place             | Ise EMC Lab.                               |
| Semi Anechoic Chamber  | No.2                                       |
| Date                   | July 3, 2024                               |
| Temperature / Humidity | 24 deg. C / 69 % RH                        |
| Engineer               | Tomoya Sone                                |
|                        | (1 GHz to 6 GHz)                           |
| Mode                   | Tx 11ax-40 [484-tone RU/Index 65] 5755 MHz |

| Polarity    | Frequency | Reading<br>(QP / PK) | Reading<br>(AV) | Ant.<br>Factor | Loss | Gain | Duty<br>Factor | Result<br>(QP / PK) | Result<br>(AV) | Limit<br>(QP / PK) | Limit<br>(AV) | Margin<br>(QP / PK) | Margin<br>(AV) | Remarks |
|-------------|-----------|----------------------|-----------------|----------------|------|------|----------------|---------------------|----------------|--------------------|---------------|---------------------|----------------|---------|
| [Hori/Vert] | [MHz]     | [dBuV]               | [dBuV]          | [dB/m]         | [dB] | [dB] | [dB]           | [dBuV/m]            | [dBuV/m]       | [dBuV/m]           | [dBuV/m]      | [dB]                | [dB]           |         |
| Hori.       | 5650.0    | 39.4                 | -               | 31.8           | 5.7  | 33.4 | -              | 43.5                | -              | 68.2               | -             | 24.7                | -              |         |
| Hori.       | 5700.0    | 38.9                 | -               | 31.9           | 5.7  | 33.4 | -              | 43.2                | -              | 105.2              | -             | 62.0                | -              |         |
| Hori.       | 5720.0    | 40.9                 | -               | 32.0           | 5.7  | 33.4 | -              | 45.2                | -              | 110.8              | -             | 65.6                | -              |         |
| Hori.       | 5725.0    | 45.3                 | -               | 32.0           | 5.7  | 33.4 | -              | 49.6                | -              | 122.2              | -             | 72.6                | -              |         |
| Vert.       | 5650.0    | 38.2                 | -               | 31.8           | 5.7  | 33.4 | -              | 42.3                | -              | 68.2               | -             | 25.9                | -              |         |
| Vert.       | 5700.0    | 40.5                 | -               | 31.9           | 5.7  | 33.4 | -              | 44.8                | -              | 105.2              | -             | 60.4                | -              |         |
| Vert.       | 5720.0    | 42.2                 | -               | 32.0           | 5.7  | 33.4 | -              | 46.5                | -              | 110.8              | -             | 64.3                | -              |         |
| Vert.       | 5725.0    | 49.4                 | -               | 32.0           | 5.7  | 33.4 | -              | 53.8                | -              | 122.2              | -             | 68.4                | -              |         |

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor

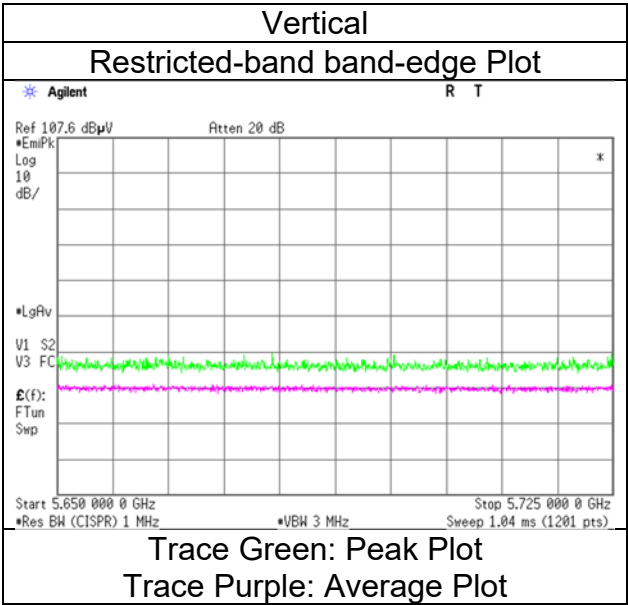
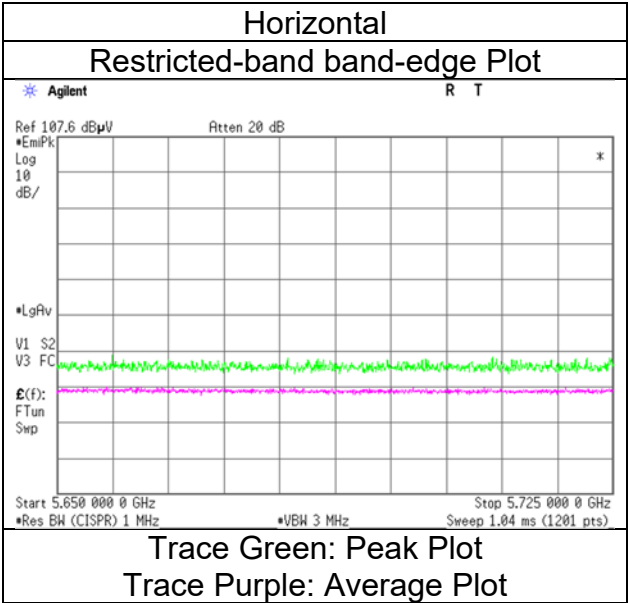
\*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

\*QP detector was used up to 1GHz.

Distance factor: 1 GHz - 6 GHz  $20\log(3.6 \text{ m} / 3.0 \text{ m}) = 1.59 \text{ dB}$

**Radiated Spurious Emission**

|                        |                                            |
|------------------------|--------------------------------------------|
| Test place             | Ise EMC Lab.                               |
| Semi Anechoic Chamber  | No.2                                       |
| Date                   | July 3, 2024                               |
| Temperature / Humidity | 24 deg. C / 69 % RH                        |
| Engineer               | Tomoya Sone                                |
|                        | (1 GHz to 6 GHz)                           |
| Mode                   | Tx 11ax-40 [484-tone RU/Index 65] 5755 MHz |



\* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.  
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place  
Semi Anechoic Chamber  
Date  
Temperature / Humidity  
Engineer  
  
Mode

Ise EMC Lab.  
No.2  
July 3, 2024  
24 deg. C / 69 % RH  
Tomoya Sone  
(1 GHz to 6 GHz)  
Tx 11ax-40 [26-tone RU/Index 17] 5795 MHz

| Polarity    | Frequency | Reading<br>(QP / PK) | Reading<br>(AV) | Ant.<br>Factor | Loss | Gain | Duty<br>Factor | Result<br>(QP / PK) | Result<br>(AV) | Limit<br>(QP / PK) | Limit<br>(AV) | Margin<br>(QP / PK) | Margin<br>(AV) | Remark |
|-------------|-----------|----------------------|-----------------|----------------|------|------|----------------|---------------------|----------------|--------------------|---------------|---------------------|----------------|--------|
| [Hori/Vert] | [MHz]     | [dBuV]               | [dBuV]          | [dB/m]         | [dB] | [dB] | [dB]           | [dBuV/m]            | [dBuV/m]       | [dBuV/m]           | [dBuV/m]      | [dB]                | [dB]           |        |
| Hori.       | 5850.0    | 42.1                 | -               | 32.3           | 5.8  | 33.4 | -              | 46.7                | -              | 122.2              | -             | 75.5                | -              |        |
| Hori.       | 5855.0    | 41.6                 | -               | 32.3           | 5.8  | 33.4 | -              | 46.2                | -              | 110.8              | -             | 64.6                | -              |        |
| Hori.       | 5875.0    | 42.1                 | -               | 32.3           | 5.8  | 33.4 | -              | 46.8                | -              | 105.2              | -             | 58.4                | -              |        |
| Hori.       | 5925.0    | 41.5                 | -               | 32.4           | 5.8  | 33.4 | -              | 46.3                | -              | 68.2               | -             | 21.9                | -              |        |
| Vert.       | 5850.0    | 41.1                 | -               | 32.3           | 5.8  | 33.4 | -              | 45.8                | -              | 122.2              | -             | 76.4                | -              |        |
| Vert.       | 5855.0    | 40.7                 | -               | 32.3           | 5.8  | 33.4 | -              | 45.4                | -              | 110.8              | -             | 65.4                | -              |        |
| Vert.       | 5875.0    | 40.5                 | -               | 32.3           | 5.8  | 33.4 | -              | 45.2                | -              | 105.2              | -             | 60.0                | -              |        |
| Vert.       | 5925.0    | 40.7                 | -               | 32.4           | 5.8  | 33.4 | -              | 45.5                | -              | 68.2               | -             | 22.7                | -              |        |

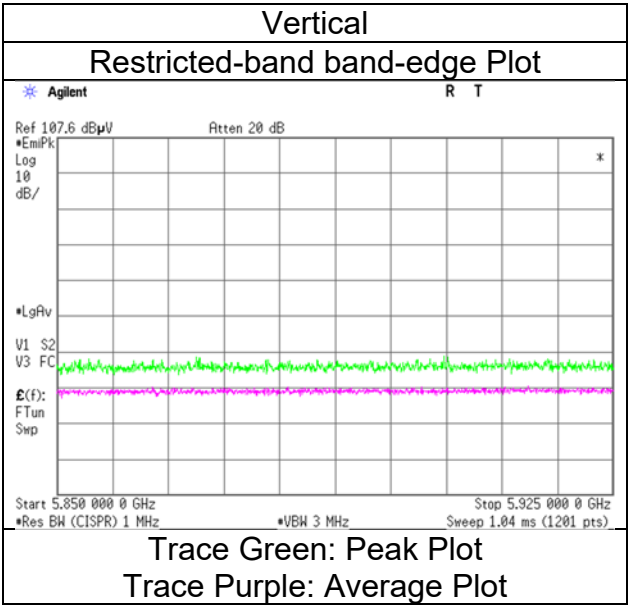
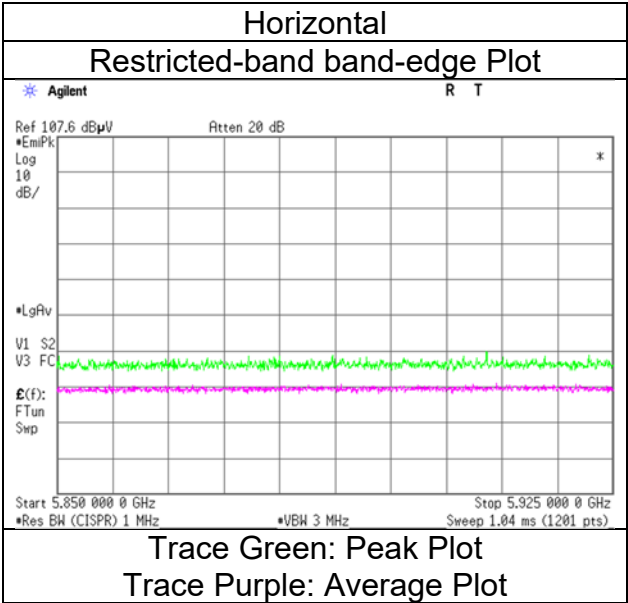
Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)  
Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor  
\*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).  
\*QP detector was used up to 1GHz.

Distance factor: 1 GHz - 6 GHz 20log (3.6 m / 3.0 m) = 1.59 dB

**Radiated Spurious Emission**

Test place  
Semi Anechoic Chamber  
Date  
Temperature / Humidity  
Engineer  
  
Mode

Ise EMC Lab.  
No.2  
July 3, 2024  
24 deg. C / 69 % RH  
Tomoya Sone  
(1 GHz to 6 GHz)  
Tx 11ax-40 [26-tone RU/Index 17] 5795 MHz



\* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.  
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place  
Semi Anechoic Chamber  
Date  
Temperature / Humidity  
Engineer  
  
Mode

Ise EMC Lab.  
No.2  
July 3, 2024  
24 deg. C / 69 % RH  
Tomoya Sone  
(1 GHz to 6 GHz)  
Tx 11ax-40 [52-tone RU/Index 44] 5795 MHz

| Polarity    | Frequency | Reading<br>(QP / PK) | Reading<br>(AV) | Ant.<br>Factor | Loss | Gain | Duty<br>Factor | Result<br>(QP / PK) | Result<br>(AV) | Limit<br>(QP / PK) | Limit<br>(AV) | Margin<br>(QP / PK) | Margin<br>(AV) | Remark |
|-------------|-----------|----------------------|-----------------|----------------|------|------|----------------|---------------------|----------------|--------------------|---------------|---------------------|----------------|--------|
| [Hori/Vert] | [MHz]     | [dBuV]               | [dBuV]          | [dB/m]         | [dB] | [dB] | [dB]           | [dBuV/m]            | [dBuV/m]       | [dBuV/m]           | [dBuV/m]      | [dB]                | [dB]           |        |
| Hori.       | 5850.0    | 41.4                 | -               | 32.3           | 5.8  | 33.4 | -              | 46.1                | -              | 122.2              | -             | 76.1                | -              |        |
| Hori.       | 5855.0    | 41.0                 | -               | 32.3           | 5.8  | 33.4 | -              | 45.7                | -              | 110.8              | -             | 65.1                | -              |        |
| Hori.       | 5875.0    | 41.6                 | -               | 32.3           | 5.8  | 33.4 | -              | 46.3                | -              | 105.2              | -             | 58.9                | -              |        |
| Hori.       | 5925.0    | 41.5                 | -               | 32.4           | 5.8  | 33.4 | -              | 46.3                | -              | 68.2               | -             | 21.9                | -              |        |
| Vert.       | 5850.0    | 41.8                 | -               | 32.3           | 5.8  | 33.4 | -              | 46.4                | -              | 122.2              | -             | 75.8                | -              |        |
| Vert.       | 5855.0    | 40.4                 | -               | 32.3           | 5.8  | 33.4 | -              | 45.0                | -              | 110.8              | -             | 65.8                | -              |        |
| Vert.       | 5875.0    | 41.3                 | -               | 32.3           | 5.8  | 33.4 | -              | 46.1                | -              | 105.2              | -             | 59.2                | -              |        |
| Vert.       | 5925.0    | 40.1                 | -               | 32.4           | 5.8  | 33.4 | -              | 44.9                | -              | 68.2               | -             | 23.3                | -              |        |

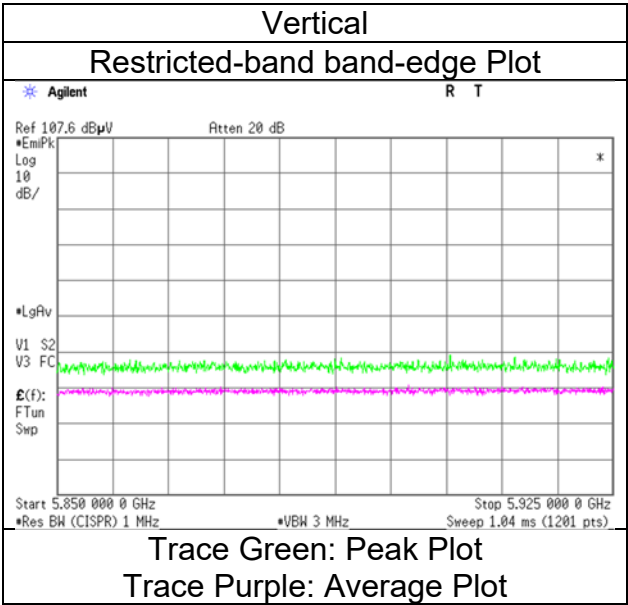
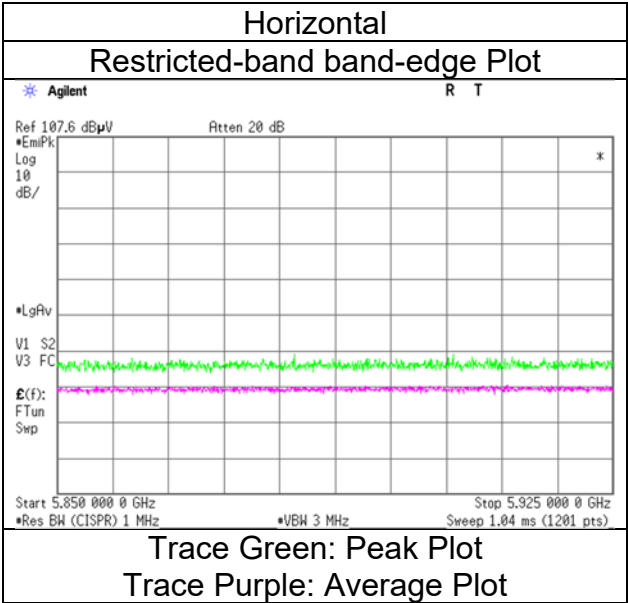
Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)  
Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor  
\*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).  
\*QP detector was used up to 1GHz.

Distance factor: 1 GHz - 6 GHz 20log (3.6 m / 3.0 m) = 1.59 dB

**Radiated Spurious Emission**

Test place  
Semi Anechoic Chamber  
Date  
Temperature / Humidity  
Engineer  
  
Mode

Ise EMC Lab.  
No.2  
July 3, 2024  
24 deg. C / 69 % RH  
Tomoya Sone  
(1 GHz to 6 GHz)  
Tx 11ax-40 [52-tone RU/Index 44] 5795 MHz



\* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.  
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place  
Semi Anechoic Chamber  
Date  
Temperature / Humidity  
Engineer  
Mode

Ise EMC Lab.  
No.2  
July 3, 2024  
24 deg. C / 69 % RH  
Tomoya Sone  
(1 GHz to 6 GHz)  
Tx 11ax-40 [106-tone RU/Index 56] 5795 MHz

| Polarity    | Frequency | Reading<br>(QP / PK) | Reading<br>(AV) | Ant.<br>Factor | Loss | Gain | Duty<br>Factor | Result<br>(QP / PK) | Result<br>(AV) | Limit<br>(QP / PK) | Limit<br>(AV) | Margin<br>(QP / PK) | Margin<br>(AV) | Remark |
|-------------|-----------|----------------------|-----------------|----------------|------|------|----------------|---------------------|----------------|--------------------|---------------|---------------------|----------------|--------|
| [Hori/Vert] | [MHz]     | [dBuV]               | [dBuV]          | [dB/m]         | [dB] | [dB] | [dB]           | [dBuV/m]            | [dBuV/m]       | [dBuV/m]           | [dBuV/m]      | [dB]                | [dB]           |        |
| Hori.       | 5850.0    | 40.6                 | -               | 32.3           | 5.8  | 33.4 | -              | 45.2                | -              | 122.2              | -             | 77.0                | -              |        |
| Hori.       | 5855.0    | 41.5                 | -               | 32.3           | 5.8  | 33.4 | -              | 46.2                | -              | 110.8              | -             | 64.6                | -              |        |
| Hori.       | 5875.0    | 41.0                 | -               | 32.3           | 5.8  | 33.4 | -              | 45.7                | -              | 105.2              | -             | 59.5                | -              |        |
| Hori.       | 5925.0    | 41.5                 | -               | 32.4           | 5.8  | 33.4 | -              | 46.2                | -              | 68.2               | -             | 22.0                | -              |        |
| Vert.       | 5850.0    | 41.0                 | -               | 32.3           | 5.8  | 33.4 | -              | 45.7                | -              | 122.2              | -             | 76.5                | -              |        |
| Vert.       | 5855.0    | 42.0                 | -               | 32.3           | 5.8  | 33.4 | -              | 46.7                | -              | 110.8              | -             | 64.1                | -              |        |
| Vert.       | 5875.0    | 40.8                 | -               | 32.3           | 5.8  | 33.4 | -              | 45.5                | -              | 105.2              | -             | 59.7                | -              |        |
| Vert.       | 5925.0    | 40.1                 | -               | 32.4           | 5.8  | 33.4 | -              | 44.9                | -              | 68.2               | -             | 23.3                | -              |        |

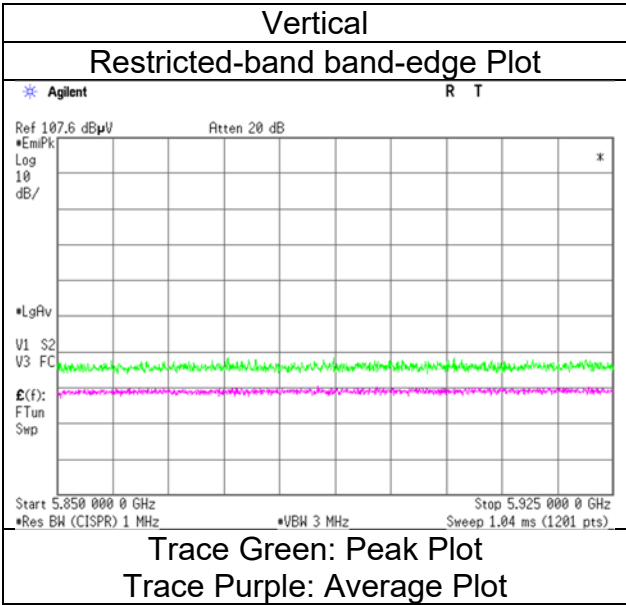
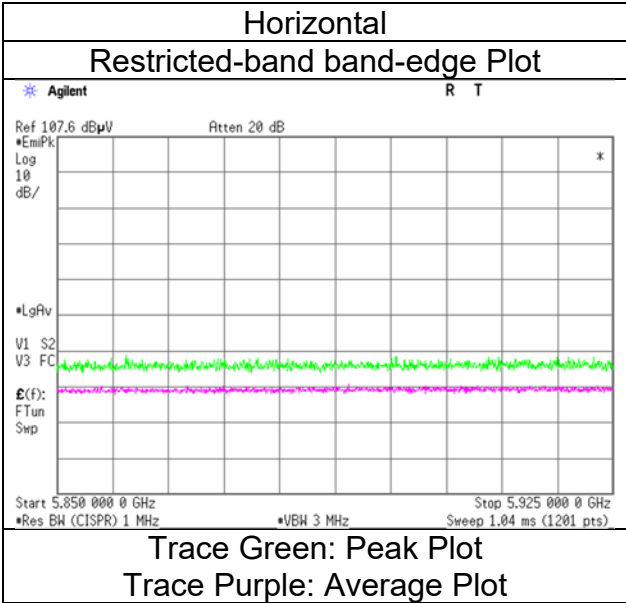
Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)  
Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor  
\*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).  
\*QP detector was used up to 1GHz.

Distance factor: 1 GHz - 6 GHz 20log (3.6 m / 3.0 m) = 1.59 dB

**Radiated Spurious Emission**

Test place  
Semi Anechoic Chamber  
Date  
Temperature / Humidity  
Engineer  
  
Mode

Ise EMC Lab.  
No.2  
July 3, 2024  
24 deg. C / 69 % RH  
Tomoya Sone  
(1 GHz to 6 GHz)  
Tx 11ax-40 [106-tone RU/Index 56] 5795 MHz



\* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.  
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place  
Semi Anechoic Chamber  
Date  
Temperature / Humidity  
Engineer  
  
Mode

Ise EMC Lab.  
No.2  
July 3, 2024  
24 deg. C / 69 % RH  
Tomoya Sone  
(1 GHz to 6 GHz)  
Tx 11ax-40 [242-tone RU/Index 62] 5795 MHz

| Polarity    | Frequency | Reading<br>(QP / PK) | Reading<br>(AV) | Ant.<br>Factor | Loss | Gain | Duty<br>Factor | Result<br>(QP / PK) | Result<br>(AV) | Limit<br>(QP / PK) | Limit<br>(AV) | Margin<br>(QP / PK) | Margin<br>(AV) | Remark |
|-------------|-----------|----------------------|-----------------|----------------|------|------|----------------|---------------------|----------------|--------------------|---------------|---------------------|----------------|--------|
| [Hori/Vert] | [MHz]     | [dBuV]               | [dBuV]          | [dB/m]         | [dB] | [dB] | [dB]           | [dBuV/m]            | [dBuV/m]       | [dBuV/m]           | [dBuV/m]      | [dB]                | [dB]           |        |
| Hori.       | 5850.0    | 40.8                 | -               | 32.3           | 5.8  | 33.4 | -              | 45.5                | -              | 122.2              | -             | 76.7                | -              |        |
| Hori.       | 5855.0    | 41.2                 | -               | 32.3           | 5.8  | 33.4 | -              | 45.9                | -              | 110.8              | -             | 64.9                | -              |        |
| Hori.       | 5875.0    | 40.9                 | -               | 32.3           | 5.8  | 33.4 | -              | 45.6                | -              | 105.2              | -             | 59.6                | -              |        |
| Hori.       | 5925.0    | 41.8                 | -               | 32.4           | 5.8  | 33.4 | -              | 46.5                | -              | 68.2               | -             | 21.7                | -              |        |
| Vert.       | 5850.0    | 40.5                 | -               | 32.3           | 5.8  | 33.4 | -              | 45.1                | -              | 122.2              | -             | 77.1                | -              |        |
| Vert.       | 5855.0    | 41.8                 | -               | 32.3           | 5.8  | 33.4 | -              | 46.5                | -              | 110.8              | -             | 64.3                | -              |        |
| Vert.       | 5875.0    | 40.8                 | -               | 32.3           | 5.8  | 33.4 | -              | 45.5                | -              | 105.2              | -             | 59.7                | -              |        |
| Vert.       | 5925.0    | 40.8                 | -               | 32.4           | 5.8  | 33.4 | -              | 45.6                | -              | 68.2               | -             | 22.6                | -              |        |

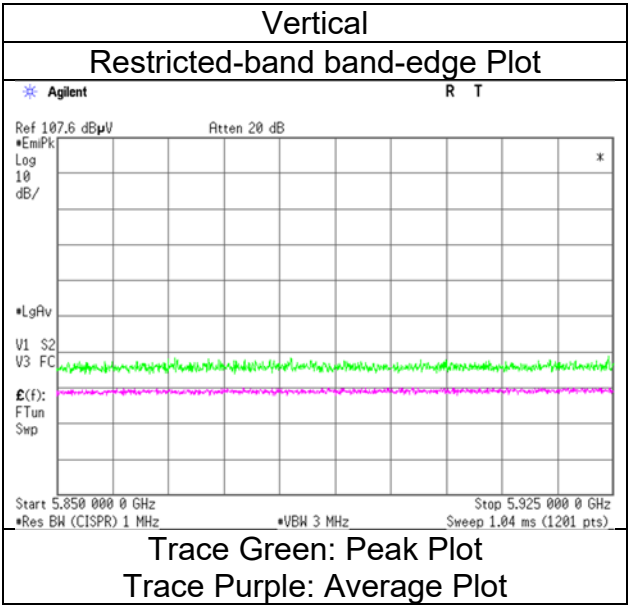
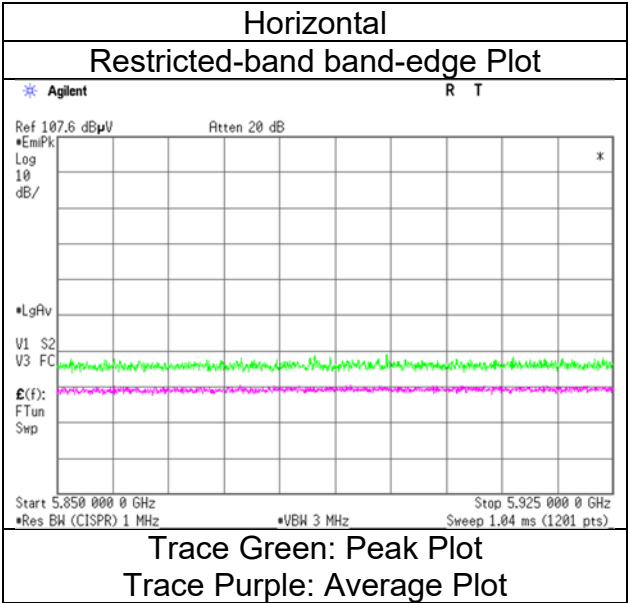
Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)  
Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor  
\*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).  
\*QP detector was used up to 1GHz.

Distance factor: 1 GHz - 6 GHz 20log (3.6 m / 3.0 m) = 1.59 dB

**Radiated Spurious Emission**

Test place  
Semi Anechoic Chamber  
Date  
Temperature / Humidity  
Engineer  
  
Mode

Ise EMC Lab.  
No.2  
July 3, 2024  
24 deg. C / 69 % RH  
Tomoya Sone  
(1 GHz to 6 GHz)  
Tx 11ax-40 [242-tone RU/Index 62] 5795 MHz



\* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.  
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place  
Semi Anechoic Chamber  
Date  
Temperature / Humidity  
Engineer  
Mode

Ise EMC Lab.  
No.2  
July 3, 2024  
24 deg. C / 69 % RH  
Tomoya Sone  
(1 GHz to 6 GHz)  
Tx 11ax-40 [484-tone RU/Index 65] 5795 MHz

| Polarity    | Frequency | Reading<br>(QP / PK) | Reading<br>(AV) | Ant.<br>Factor | Loss | Gain | Duty<br>Factor | Result<br>(QP / PK) | Result<br>(AV) | Limit<br>(QP / PK) | Limit<br>(AV) | Margin<br>(QP / PK) | Margin<br>(AV) | Remark |
|-------------|-----------|----------------------|-----------------|----------------|------|------|----------------|---------------------|----------------|--------------------|---------------|---------------------|----------------|--------|
| [Hori/Vert] | [MHz]     | [dBuV]               | [dBuV]          | [dB/m]         | [dB] | [dB] | [dB]           | [dBuV/m]            | [dBuV/m]       | [dBuV/m]           | [dBuV/m]      | [dB]                | [dB]           |        |
| Hori.       | 5850.0    | 40.9                 | -               | 32.3           | 5.8  | 33.4 | -              | 45.5                | -              | 122.2              | -             | 76.7                | -              |        |
| Hori.       | 5855.0    | 40.4                 | -               | 32.3           | 5.8  | 33.4 | -              | 45.0                | -              | 110.8              | -             | 65.8                | -              |        |
| Hori.       | 5875.0    | 41.1                 | -               | 32.3           | 5.8  | 33.4 | -              | 45.8                | -              | 105.2              | -             | 59.4                | -              |        |
| Hori.       | 5925.0    | 40.9                 | -               | 32.4           | 5.8  | 33.4 | -              | 45.6                | -              | 68.2               | -             | 22.6                | -              |        |
| Vert.       | 5850.0    | 40.8                 | -               | 32.3           | 5.8  | 33.4 | -              | 45.5                | -              | 122.2              | -             | 76.7                | -              |        |
| Vert.       | 5855.0    | 39.8                 | -               | 32.3           | 5.8  | 33.4 | -              | 44.5                | -              | 110.8              | -             | 66.3                | -              |        |
| Vert.       | 5875.0    | 39.8                 | -               | 32.3           | 5.8  | 33.4 | -              | 44.5                | -              | 105.2              | -             | 60.7                | -              |        |
| Vert.       | 5925.0    | 40.6                 | -               | 32.4           | 5.8  | 33.4 | -              | 45.3                | -              | 68.2               | -             | 22.9                | -              |        |

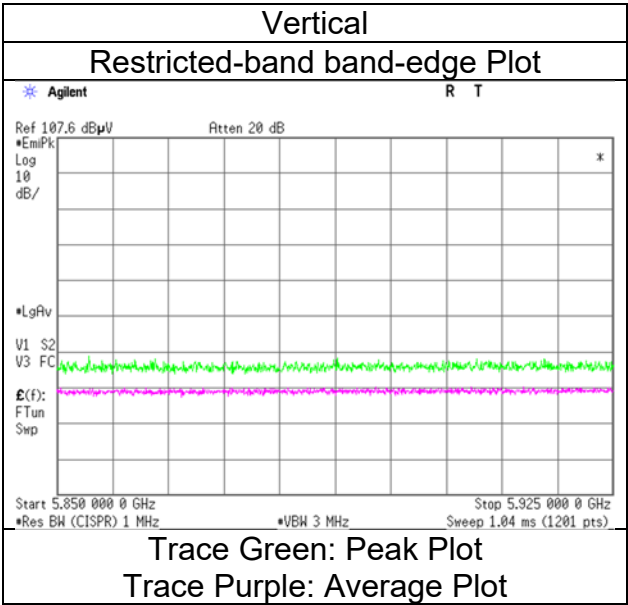
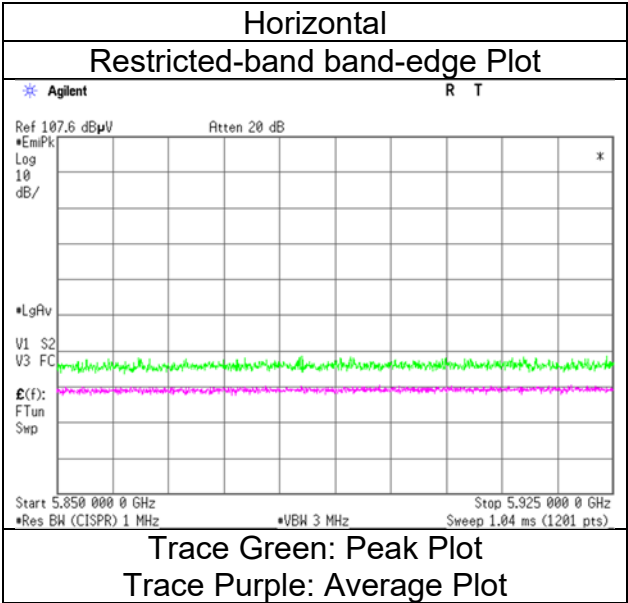
Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)  
Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor  
\*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).  
\*QP detector was used up to 1GHz.

Distance factor: 1 GHz - 6 GHz 20log (3.6 m / 3.0 m) = 1.59 dB

**Radiated Spurious Emission**

Test place  
Semi Anechoic Chamber  
Date  
Temperature / Humidity  
Engineer  
  
Mode

Ise EMC Lab.  
No.2  
July 3, 2024  
24 deg. C / 69 % RH  
Tomoya Sone  
(1 GHz to 6 GHz)  
Tx 11ax-40 [484-tone RU/Index 65] 5795 MHz



\* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.  
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place Ise EMC Lab.  
Semi Anechoic Chamber No.2 No.2 No.2 No.2  
Date July 4, 2024 July 7, 2024 July 8, 2024 July 8, 2024  
Temperature / Humidity 2 deg. C / 67 % RH 20 deg. C / 60 % RH 23 deg. C / 70 % RH 23 deg. C / 70 % RH  
Engineer Nachi Konegawa Shousei Hamaguchi Tomoya Sone Shousei Hamaguchi  
Mode (1 GHz to 10 GHz) (10 GHz to 18 GHz) (18 GHz to 26.5 GHz) (26.5 GHz to 40 GHz)  
Tx 11ax-40 [106-tone RU/Index 53] 5795 MHz

| Polarity    | Frequency | Reading<br>(QP / PK) | Reading<br>(AV) | Ant.<br>Factor | Loss | Gain | Duty<br>Factor | Result<br>(QP / PK) | Result<br>(AV) | Limit<br>(QP / PK) | Limit<br>(AV) | Margin<br>(QP / PK) | Margin<br>(AV) | Remark      |
|-------------|-----------|----------------------|-----------------|----------------|------|------|----------------|---------------------|----------------|--------------------|---------------|---------------------|----------------|-------------|
| [Hori/Vert] | [MHz]     | [dBuV]               | [dBuV]          | [dB/m]         | [dB] | [dB] | [dB]           | [dBuV/m]            | [dBuV/m]       | [dBuV/m]           | [dBuV/m]      | [dB]                | [dB]           |             |
| Hori.       | 5000.0    | 42.8                 | 35.5            | 31.8           | 5.4  | 33.6 | -              | 46.5                | 39.2           | 73.9               | 53.9          | 27.4                | 14.7           |             |
| Hori.       | 11590.0   | 40.1                 | 32.4            | 37.8           | -1.6 | 33.2 | -              | 43.1                | 35.3           | 73.9               | 53.9          | 30.8                | 18.6           | Floor noise |
| Hori.       | 17385.0   | 42.3                 | -               | 40.1           | 0.0  | 32.2 | -              | 50.3                | -              | 68.2               | -             | 17.9                | -              | Floor noise |
| Vert.       | 5000.0    | 43.5                 | 35.8            | 31.8           | 5.4  | 33.6 | -              | 47.2                | 39.5           | 73.9               | 53.9          | 26.7                | 14.4           |             |
| Vert.       | 11590.0   | 40.1                 | 32.4            | 37.8           | -1.6 | 33.2 | -              | 43.1                | 35.3           | 73.9               | 53.9          | 30.8                | 18.6           | Floor noise |
| Vert.       | 17385.0   | 42.3                 | -               | 40.1           | 0.0  | 32.2 | -              | 50.3                | -              | 68.2               | -             | 17.9                | -              | Floor noise |

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)  
Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor  
\*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).  
\*QP detector was used up to 1GHz.

Distance factor: 1 GHz - 6 GHz 20log (3.6 m / 3.0 m) = 1.59 dB  
6 GHz - 10 GHz 20log (3.6 m / 3.0 m) = 1.59 dB  
10 GHz - 26.5 GHz 20log (1.0 m / 3.0 m) = -9.5 dB

## Radiated Spurious Emission

|                        |                     |                     |                      |                      |
|------------------------|---------------------|---------------------|----------------------|----------------------|
| Test place             | Ise EMC Lab.        |                     |                      |                      |
| Semi Anechoic Chamber  | No.2                | No.2                | No.2                 | No.2                 |
| Date                   | July 2, 2024        | July 7, 2024        | July 8, 2024         | July 8, 2024         |
| Temperature / Humidity | 22 deg. C / 68 % RH | 20 deg. C / 60 % RH | 23 deg. C / 70 % RH  | 23 deg. C / 70 % RH  |
| Engineer               | Tomoya Sone         | Shousei Hamaguchi   | Tomoya Sone          | Shousei Hamaguchi    |
|                        | (1 GHz to 10 GHz)   | (10 GHz to 18 GHz)  | (18 GHz to 26.5 GHz) | (26.5 GHz to 40 GHz) |
| Mode                   | Tx 11ac-80 5775 MHz |                     |                      |                      |

| Polarity    | Frequency | Reading<br>(QP / PK) | Reading<br>(AV) | Ant.<br>Factor | Loss | Gain | Duty<br>Factor | Result<br>(QP / PK) | Result<br>(AV) | Limit<br>(QP / PK) | Limit<br>(AV) | Margin<br>(QP / PK) | Margin<br>(AV) | Remark      |
|-------------|-----------|----------------------|-----------------|----------------|------|------|----------------|---------------------|----------------|--------------------|---------------|---------------------|----------------|-------------|
| [Hori/Vert] | [MHz]     | [dBuV]               | [dBuV]          | [dB/m]         | [dB] | [dB] | [dB]           | [dBuV/m]            | [dBuV/m]       | [dBuV/m]           | [dBuV/m]      | [dB]                | [dB]           |             |
| Hori.       | 5000.0    | 46.4                 | 38.7            | 31.8           | 5.4  | 33.6 | -              | 50.0                | 42.3           | 73.9               | 53.9          | 23.9                | 11.6           |             |
| Hori.       | 5650.0    | 43.5                 | -               | 31.8           | 5.7  | 33.4 | -              | 47.7                | -              | 73.9               | -             | 26.2                | -              |             |
| Hori.       | 5700.0    | 43.4                 | -               | 31.9           | 5.7  | 33.4 | -              | 47.6                | -              | 73.9               | -             | 26.3                | -              |             |
| Hori.       | 5720.0    | 49.4                 | -               | 32.0           | 5.7  | 33.4 | -              | 53.7                | -              | 73.9               | -             | 20.2                | -              |             |
| Hori.       | 5725.0    | 54.4                 | -               | 32.0           | 5.7  | 33.4 | -              | 58.7                | -              | 73.9               | -             | 15.2                | -              |             |
| Hori.       | 5850.0    | 43.2                 | -               | 32.3           | 5.8  | 33.4 | -              | 47.9                | -              | 73.9               | -             | 26.1                | -              |             |
| Hori.       | 5855.0    | 42.6                 | -               | 32.3           | 5.8  | 33.4 | -              | 47.3                | -              | 73.9               | -             | 26.6                | -              |             |
| Hori.       | 5875.0    | 43.0                 | -               | 32.3           | 5.8  | 33.4 | -              | 47.7                | -              | 73.9               | -             | 26.2                | -              |             |
| Hori.       | 5925.0    | 43.8                 | -               | 32.4           | 5.8  | 33.4 | -              | 48.5                | -              | 73.9               | -             | 25.4                | -              |             |
| Hori.       | 11550.0   | 40.4                 | 32.1            | 37.7           | -1.7 | 33.2 | -              | 43.3                | 35.0           | 73.9               | 53.9          | 30.6                | 18.9           | Floor noise |
| Hori.       | 17325.0   | 42.3                 | -               | 40.0           | 0.0  | 32.2 | -              | 50.1                | -              | 68.2               | -             | 18.1                | -              | Floor noise |
| Vert.       | 5000.0    | 46.5                 | 39.7            | 31.8           | 5.4  | 33.6 | -              | 50.1                | 43.3           | 73.9               | 53.9          | 23.8                | 10.6           |             |
| Vert.       | 5650.0    | 43.0                 | -               | 31.8           | 5.7  | 33.4 | -              | 47.2                | -              | 73.9               | -             | 26.8                | -              |             |
| Vert.       | 5700.0    | 43.7                 | -               | 31.9           | 5.7  | 33.4 | -              | 48.0                | -              | 73.9               | -             | 25.9                | -              |             |
| Vert.       | 5720.0    | 49.2                 | -               | 32.0           | 5.7  | 33.4 | -              | 53.5                | -              | 73.9               | -             | 20.4                | -              |             |
| Vert.       | 5725.0    | 53.5                 | -               | 32.0           | 5.7  | 33.4 | -              | 57.8                | -              | 73.9               | -             | 16.1                | -              |             |
| Vert.       | 5850.0    | 43.0                 | -               | 32.3           | 5.8  | 33.4 | -              | 47.6                | -              | 73.9               | -             | 26.3                | -              |             |
| Vert.       | 5855.0    | 43.5                 | -               | 32.3           | 5.8  | 33.4 | -              | 48.1                | -              | 73.9               | -             | 25.8                | -              |             |
| Vert.       | 5875.0    | 43.1                 | -               | 32.3           | 5.8  | 33.4 | -              | 47.8                | -              | 73.9               | -             | 26.1                | -              |             |
| Vert.       | 5925.0    | 43.1                 | -               | 32.4           | 5.8  | 33.4 | -              | 47.9                | -              | 73.9               | -             | 26.0                | -              |             |
| Vert.       | 11550.0   | 40.4                 | 32.1            | 37.7           | -1.7 | 33.2 | -              | 43.3                | 35.0           | 73.9               | 53.9          | 30.6                | 18.9           | Floor noise |
| Vert.       | 17325.0   | 42.3                 | -               | 40.0           | 0.0  | 32.2 | -              | 50.1                | -              | 68.2               | -             | 18.1                | -              | Floor noise |

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor

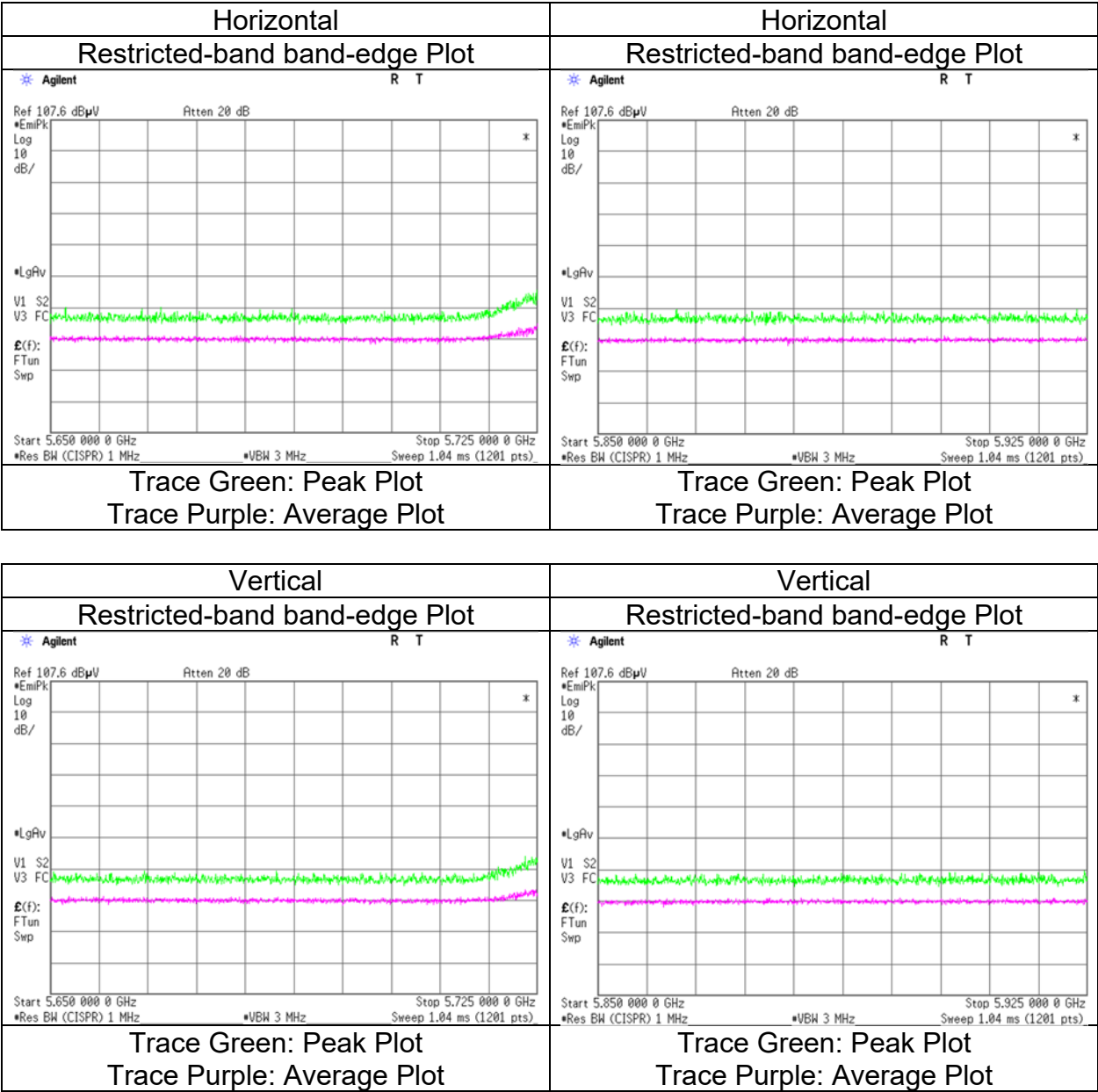
\*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

\*QP detector was used up to 1GHz

|                  |                   |                                 |
|------------------|-------------------|---------------------------------|
| Distance factor: | 1 GHz - 6 GHz     | 20log (3.6 m / 3.0 m) = 1.59 dB |
|                  | 6 GHz - 10 GHz    | 20log (3.6 m / 3.0 m) = 1.59 dB |
|                  | 10 GHz - 26.5 GHz | 20log (1.0 m / 3.0 m) = -9.5 dB |

**Radiated Spurious Emission**

|                        |                     |
|------------------------|---------------------|
| Test place             | Ise EMC Lab.        |
| Semi Anechoic Chamber  | No.2                |
| Date                   | July 2, 2024        |
| Temperature / Humidity | 22 deg. C / 68 % RH |
| Engineer               | Tomoya Sone         |
|                        | (1 GHz to 10 GHz)   |
| Mode                   | Tx 11ac-80 5775 MHz |



\* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.  
Final result of restricted band edge was shown in tabular data.

## Radiated Spurious Emission

|                        |                            |                     |                      |                      |
|------------------------|----------------------------|---------------------|----------------------|----------------------|
| Test place             | Ise EMC Lab.               |                     |                      |                      |
| Semi Anechoic Chamber  | No.2                       | No.2                | No.2                 | No.2                 |
| Date                   | July 2, 2024               | July 7, 2024        | July 8, 2024         | July 8, 2024         |
| Temperature / Humidity | 23 deg. C / 70 % RH        | 20 deg. C / 60 % RH | 23 deg. C / 70 % RH  | 23 deg. C / 70 % RH  |
| Engineer               | Nachi Konegawa             | Shousei Hamaguchi   | Tomoya Sone          | Shousei Hamaguchi    |
|                        | (1 GHz to 10 GHz)          | (10 GHz to 18 GHz)  | (18 GHz to 26.5 GHz) | (26.5 GHz to 40 GHz) |
| Mode                   | Tx 11ax-80 [OFDM] 5210 MHz |                     |                      |                      |

| Polarity    | Frequency | Reading<br>(QP / PK) | Reading<br>(AV) | Ant.<br>Factor | Loss | Gain | Duty<br>Factor | Result<br>(QP / PK) | Result<br>(AV) | Limit<br>(QP / PK) | Limit<br>(AV) | Margin<br>(QP / PK) | Margin<br>(AV) | Remark      |
|-------------|-----------|----------------------|-----------------|----------------|------|------|----------------|---------------------|----------------|--------------------|---------------|---------------------|----------------|-------------|
| [Hori/Vert] | [MHz]     | [dBuV]               | [dBuV]          | [dB/m]         | [dB] | [dB] | [dB]           | [dBuV/m]            | [dBuV/m]       | [dBuV/m]           | [dBuV/m]      | [dB]                | [dB]           |             |
| Hori.       | 5000.0    | 46.4                 | 39.1            | 31.8           | 5.4  | 33.6 | -              | 50.0                | 42.8           | 73.9               | 53.9          | 23.9                | 11.1           |             |
| Hori.       | 5150.0    | 45.0                 | 35.1            | 31.9           | 5.5  | 33.5 | -              | 48.8                | 39.0           | 73.9               | 53.9          | 25.1                | 14.9           |             |
| Hori.       | 5350.0    | 44.1                 | 35.4            | 31.7           | 5.6  | 33.4 | -              | 47.9                | 39.2           | 73.9               | 53.9          | 26.0                | 14.7           |             |
| Hori.       | 5760.0    | 46.2                 | -               | 32.1           | 5.7  | 33.4 | -              | 50.6                | -              | 68.2               | -             | 17.6                | -              |             |
| Hori.       | 6946.6    | 48.6                 | -               | 35.1           | 6.2  | 33.4 | -              | 56.5                | -              | 68.2               | -             | 11.8                | -              |             |
| Hori.       | 10420.0   | 41.5                 | -               | 36.1           | -2.2 | 33.8 | -              | 41.6                | -              | 68.2               | -             | 26.6                | -              | Floor noise |
| Hori.       | 15630.0   | 43.4                 | 35.3            | 39.5           | -0.4 | 32.8 | -              | 49.7                | 41.6           | 73.9               | 53.9          | 24.2                | 12.3           | Floor noise |
| Vert.       | 5000.0    | 47.0                 | 39.8            | 31.8           | 5.4  | 33.6 | -              | 50.7                | 43.4           | 73.9               | 53.9          | 23.2                | 10.5           |             |
| Vert.       | 5150.0    | 44.8                 | 35.3            | 31.9           | 5.5  | 33.5 | -              | 48.7                | 39.2           | 73.9               | 53.9          | 25.2                | 14.7           |             |
| Vert.       | 5350.0    | 43.5                 | 35.2            | 31.7           | 5.6  | 33.4 | -              | 47.3                | 39.1           | 73.9               | 53.9          | 26.6                | 14.8           |             |
| Vert.       | 5760.0    | 46.2                 | -               | 32.1           | 5.7  | 33.4 | -              | 50.7                | -              | 68.2               | -             | 17.5                | -              |             |
| Vert.       | 6946.6    | 46.6                 | -               | 35.1           | 6.2  | 33.4 | -              | 54.4                | -              | 68.2               | -             | 13.8                | -              |             |
| Vert.       | 10420.0   | 41.5                 | -               | 36.1           | -2.2 | 33.8 | -              | 41.6                | -              | 68.2               | -             | 26.6                | -              | Floor noise |
| Vert.       | 15630.0   | 43.4                 | 35.3            | 39.5           | -0.4 | 32.8 | -              | 49.7                | 41.6           | 73.9               | 53.9          | 24.2                | 12.3           | Floor noise |

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor

\*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

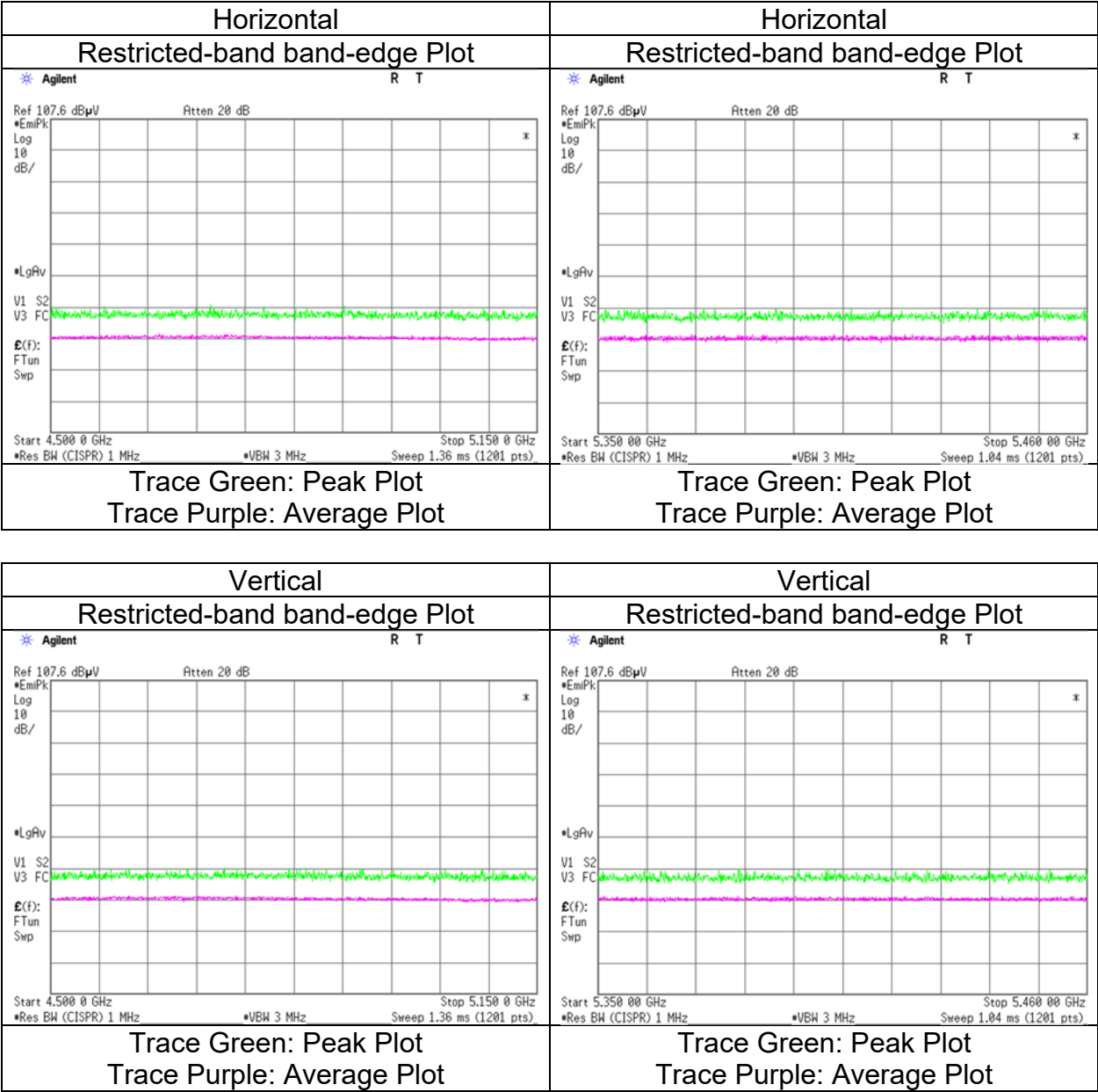
\*QP detector was used up to 1GHz.

Distance factor:

|                   |                                                        |
|-------------------|--------------------------------------------------------|
| 1 GHz - 6 GHz     | $20\log(3.6\text{ m} / 3.0\text{ m}) = 1.59\text{ dB}$ |
| 6 GHz - 10 GHz    | $20\log(3.6\text{ m} / 3.0\text{ m}) = 1.59\text{ dB}$ |
| 10 GHz - 26.5 GHz | $20\log(1.0\text{ m} / 3.0\text{ m}) = -9.5\text{ dB}$ |

**Radiated Spurious Emission**

|                        |                            |
|------------------------|----------------------------|
| Test place             | Ise EMC Lab.               |
| Semi Anechoic Chamber  | No.2                       |
| Date                   | July 2, 2024               |
| Temperature / Humidity | 23 deg. C / 70 % RH        |
| Engineer               | Nachi Konegawa             |
| Mode                   | Tx 11ax-80 [OFDM] 5210 MHz |



\* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.  
Final result of restricted band edge was shown in tabular data.

## Radiated Spurious Emission

|                        |                            |                     |                      |                      |
|------------------------|----------------------------|---------------------|----------------------|----------------------|
| Test place             | Ise EMC Lab.               |                     |                      |                      |
| Semi Anechoic Chamber  | No.2                       | No.2                | No.2                 | No.2                 |
| Date                   | July 2, 2024               | July 7, 2024        | July 8, 2024         | July 8, 2024         |
| Temperature / Humidity | 23 deg. C / 70 % RH        | 20 deg. C / 60 % RH | 23 deg. C / 70 % RH  | 23 deg. C / 70 % RH  |
| Engineer               | Nachi Konegawa             | Shousei Hamaguchi   | Tomoya Sone          | Shousei Hamaguchi    |
|                        | (1 GHz to 10 GHz)          | (10 GHz to 18 GHz)  | (18 GHz to 26.5 GHz) | (26.5 GHz to 40 GHz) |
| Mode                   | Tx 11ax-80 [OFDM] 5775 MHz |                     |                      |                      |

| Polarity    | Frequency | Reading<br>(QP / PK) | Reading<br>(AV) | Ant.<br>Factor | Loss | Gain | Duty<br>Factor | Result<br>(QP / PK) | Result<br>(AV) | Limit<br>(QP / PK) | Limit<br>(AV) | Margin<br>(QP / PK) | Margin<br>(AV) | Remark      |
|-------------|-----------|----------------------|-----------------|----------------|------|------|----------------|---------------------|----------------|--------------------|---------------|---------------------|----------------|-------------|
| [Hori/Vert] | [MHz]     | [dBuV]               | [dBuV]          | [dB/m]         | [dB] | [dB] | [dB]           | [dBuV/m]            | [dBuV/m]       | [dBuV/m]           | [dBuV/m]      | [dB]                | [dB]           |             |
| Hori.       | 5000.0    | 46.3                 | 39.0            | 31.8           | 5.4  | 33.6 | -              | 50.0                | 42.7           | 73.9               | 53.9          | 24.0                | 11.2           |             |
| Hori.       | 5650.0    | 43.2                 | -               | 31.8           | 5.7  | 33.4 | -              | 47.3                | -              | 73.9               | -             | 26.6                | -              |             |
| Hori.       | 5700.0    | 43.3                 | -               | 31.9           | 5.7  | 33.4 | -              | 47.6                | -              | 73.9               | -             | 26.3                | -              |             |
| Hori.       | 5720.0    | 48.9                 | -               | 32.0           | 5.7  | 33.4 | -              | 53.2                | -              | 73.9               | -             | 20.7                | -              |             |
| Hori.       | 5725.0    | 54.2                 | -               | 32.0           | 5.7  | 33.4 | -              | 58.5                | -              | 73.9               | -             | 15.4                | -              |             |
| Hori.       | 5850.0    | 42.9                 | -               | 32.3           | 5.8  | 33.4 | -              | 47.6                | -              | 73.9               | -             | 26.3                | -              |             |
| Hori.       | 5855.0    | 42.7                 | -               | 32.3           | 5.8  | 33.4 | -              | 47.4                | -              | 73.9               | -             | 26.5                | -              |             |
| Hori.       | 5875.0    | 42.3                 | -               | 32.3           | 5.8  | 33.4 | -              | 47.1                | -              | 73.9               | -             | 26.9                | -              |             |
| Hori.       | 5925.0    | 42.1                 | -               | 32.4           | 5.8  | 33.4 | -              | 46.9                | -              | 73.9               | -             | 27.0                | -              |             |
| Hori.       | 11550.0   | 40.4                 | 32.1            | 37.7           | -1.7 | 33.2 | -              | 43.3                | 35.0           | 73.9               | 53.9          | 30.6                | 18.9           | Floor noise |
| Hori.       | 17325.0   | 42.3                 | -               | 40.0           | 0.0  | 32.2 | -              | 50.1                | -              | 68.2               | -             | 18.1                | -              | Floor noise |
| Vert.       | 5000.0    | 47.4                 | 40.0            | 31.8           | 5.4  | 33.6 | -              | 51.1                | 43.6           | 73.9               | 53.9          | 22.8                | 10.3           |             |
| Vert.       | 5650.0    | 43.2                 | -               | 31.8           | 5.7  | 33.4 | -              | 47.3                | -              | 73.9               | -             | 26.6                | -              |             |
| Vert.       | 5700.0    | 43.3                 | -               | 31.9           | 5.7  | 33.4 | -              | 47.6                | -              | 73.9               | -             | 26.4                | -              |             |
| Vert.       | 5720.0    | 47.1                 | -               | 32.0           | 5.7  | 33.4 | -              | 51.4                | -              | 73.9               | -             | 22.5                | -              |             |
| Vert.       | 5725.0    | 52.8                 | -               | 32.0           | 5.7  | 33.4 | -              | 57.2                | -              | 73.9               | -             | 16.8                | -              |             |
| Vert.       | 5850.0    | 43.7                 | -               | 32.3           | 5.8  | 33.4 | -              | 48.3                | -              | 73.9               | -             | 25.6                | -              |             |
| Vert.       | 5855.0    | 43.1                 | -               | 32.3           | 5.8  | 33.4 | -              | 47.8                | -              | 73.9               | -             | 26.1                | -              |             |
| Vert.       | 5875.0    | 43.0                 | -               | 32.3           | 5.8  | 33.4 | -              | 47.7                | -              | 73.9               | -             | 26.2                | -              |             |
| Vert.       | 5925.0    | 42.7                 | -               | 32.4           | 5.8  | 33.4 | -              | 47.5                | -              | 73.9               | -             | 26.4                | -              |             |
| Vert.       | 11550.0   | 40.4                 | 32.1            | 37.7           | -1.7 | 33.2 | -              | 43.3                | 35.0           | 73.9               | 53.9          | 30.6                | 18.9           | Floor noise |
| Vert.       | 17325.0   | 42.3                 | -               | 40.0           | 0.0  | 32.2 | -              | 50.1                | -              | 68.2               | -             | 18.1                | -              | Floor noise |

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor

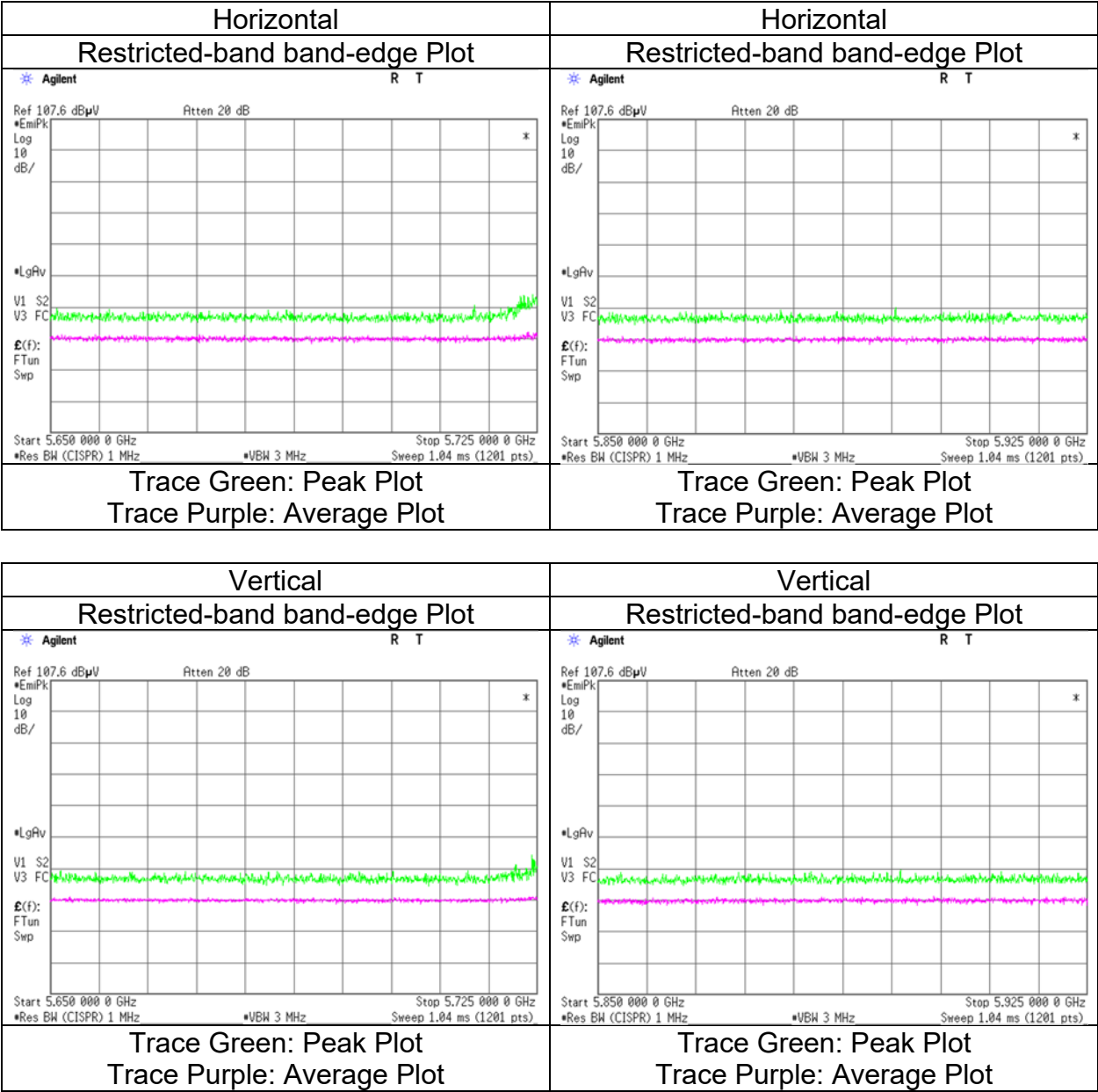
\*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

\*QP detector was used up to 1GHz

|                  |                   |                                 |
|------------------|-------------------|---------------------------------|
| Distance factor: | 1 GHz - 6 GHz     | 20log (3.6 m / 3.0 m) = 1.59 dB |
|                  | 6 GHz - 10 GHz    | 20log (3.6 m / 3.0 m) = 1.59 dB |
|                  | 10 GHz - 26.5 GHz | 20log (1.0 m / 3.0 m) = -9.5 dB |

**Radiated Spurious Emission**

|                        |                            |
|------------------------|----------------------------|
| Test place             | Ise EMC Lab.               |
| Semi Anechoic Chamber  | No.2                       |
| Date                   | July 2, 2024               |
| Temperature / Humidity | 23 deg. C / 70 % RH        |
| Engineer               | Nachi Konegawa             |
| Mode                   | Tx 11ax-80 [OFDM] 5775 MHz |



\* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.  
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place  
Semi Anechoic Chamber  
Date  
Temperature / Humidity  
Engineer  
  
Mode

Ise EMC Lab.  
No.2  
July 3, 2024  
24 deg. C / 69 % RH  
Tomoya Sone  
(1 GHz to 6 GHz)  
Tx 11ax-80 [26-tone RU/Index 0] 5210 MHz

| Polarity    | Frequency | Reading<br>(QP / PK) | Reading<br>(AV) | Ant.<br>Factor | Loss | Gain | Duty<br>Factor | Result<br>(QP / PK) | Result<br>(AV) | Limit<br>(QP / PK) | Limit<br>(AV) | Margin<br>(QP / PK) | Margin<br>(AV) | Remark |
|-------------|-----------|----------------------|-----------------|----------------|------|------|----------------|---------------------|----------------|--------------------|---------------|---------------------|----------------|--------|
| [Hori/Vert] | [MHz]     | [dBuV]               | [dBuV]          | [dB/m]         | [dB] | [dB] | [dB]           | [dBuV/m]            | [dBuV/m]       | [dBuV/m]           | [dBuV/m]      | [dB]                | [dB]           |        |
| Hori.       | 5150.0    | 43.1                 | 32.5            | 31.9           | 5.5  | 33.5 | -              | 47.0                | 36.4           | 73.9               | 53.9          | 26.9                | 17.5           |        |
| Vert.       | 5150.0    | 42.6                 | 31.8            | 31.9           | 5.5  | 33.5 | -              | 46.5                | 35.6           | 73.9               | 53.9          | 27.4                | 18.3           |        |

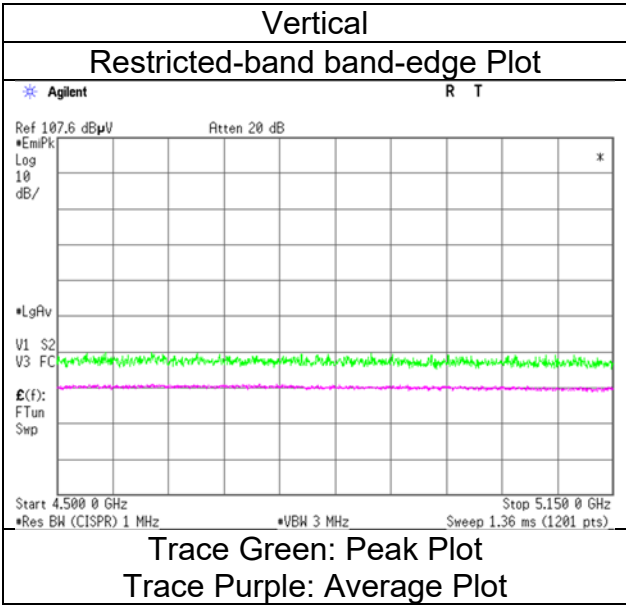
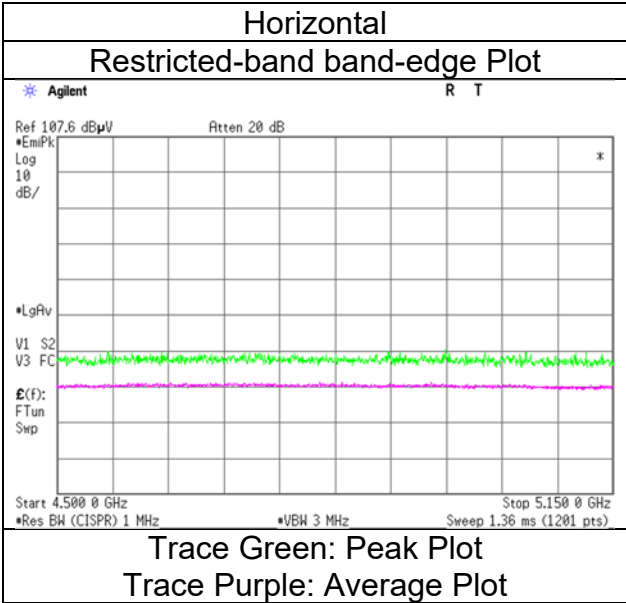
Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)  
Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor  
\*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).  
\*QP detector was used up to 1GHz.

Distance factor: 1 GHz - 6 GHz 20log (3.6 m / 3.0 m) = 1.59 dB

**Radiated Spurious Emission**

Test place  
Semi Anechoic Chamber  
Date  
Temperature / Humidity  
Engineer  
  
Mode

Ise EMC Lab.  
No.2  
July 3, 2024  
24 deg. C / 69 % RH  
Tomoya Sone  
(1 GHz to 6 GHz)  
Tx 11ax-80 [26-tone RU/Index 0] 5210 MHz



\* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.  
Final result of restricted band edge was shown in tabular data.

## Radiated Spurious Emission

|                        |                                           |
|------------------------|-------------------------------------------|
| Test place             | Ise EMC Lab.                              |
| Semi Anechoic Chamber  | No.2                                      |
| Date                   | July 3, 2024                              |
| Temperature / Humidity | 24 deg. C / 69 % RH                       |
| Engineer               | Tomoya Sone<br>(1 GHz to 6 GHz)           |
| Mode                   | Tx 11ax-80 [52-tone RU/Index 37] 5210 MHz |

| Polarity    | Frequency | Reading<br>(QP / PK) | Reading<br>(AV) | Ant.<br>Factor | Loss | Gain | Duty<br>Factor | Result<br>(QP / PK) | Result<br>(AV) | Limit<br>(QP / PK) | Limit<br>(AV) | Margin<br>(QP / PK) | Margin<br>(AV) | Remark |
|-------------|-----------|----------------------|-----------------|----------------|------|------|----------------|---------------------|----------------|--------------------|---------------|---------------------|----------------|--------|
| [Hori/Vert] | [MHz]     | [dBuV]               | [dBuV]          | [dB/m]         | [dB] | [dB] | [dB]           | [dBuV/m]            | [dBuV/m]       | [dBuV/m]           | [dBuV/m]      | [dB]                | [dB]           |        |
| Hori.       | 5150.0    | 43.2                 | 32.5            | 31.9           | 5.5  | 33.5 | -              | 47.1                | 36.4           | 73.9               | 53.9          | 26.8                | 17.5           |        |
| Vert.       | 5150.0    | 42.1                 | 31.5            | 31.9           | 5.5  | 33.5 | -              | 46.0                | 35.4           | 73.9               | 53.9          | 27.9                | 18.5           |        |

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

$$\text{Result (AV)} = \text{Reading} + \text{Ant Factor} + \text{Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz))} - \text{Gain(Amplifier)} + \text{Duty factor}$$

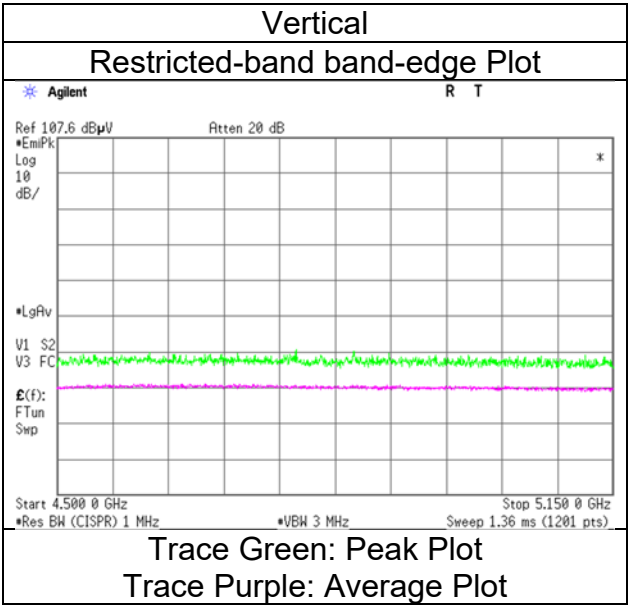
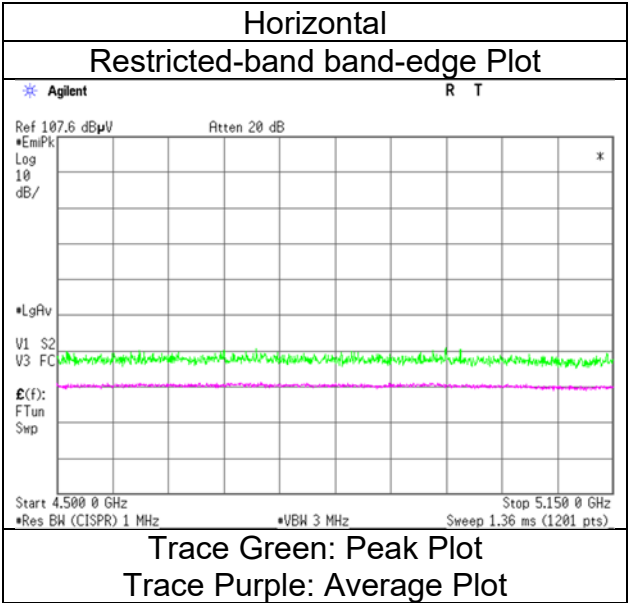
\*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

\*QP detector was used up to 1 GHz.

Distance factor: 1 GHz - 6 GHz  $20\log(3.6 \text{ m} / 3.0 \text{ m}) = 1.59 \text{ dB}$

**Radiated Spurious Emission**

|                        |                                           |
|------------------------|-------------------------------------------|
| Test place             | Ise EMC Lab.                              |
| Semi Anechoic Chamber  | No.2                                      |
| Date                   | July 3, 2024                              |
| Temperature / Humidity | 24 deg. C / 69 % RH                       |
| Engineer               | Tomoya Sone                               |
|                        | (1 GHz to 6 GHz)                          |
| Mode                   | Tx 11ax-80 [52-tone RU/Index 37] 5210 MHz |



\* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.  
Final result of restricted band edge was shown in tabular data.

## Radiated Spurious Emission

|                        |                                            |
|------------------------|--------------------------------------------|
| Test place             | Ise EMC Lab.                               |
| Semi Anechoic Chamber  | No.2                                       |
| Date                   | July 3, 2024                               |
| Temperature / Humidity | 24 deg. C / 69 % RH                        |
| Engineer               | Tomoya Sone<br>(1 GHz to 6 GHz)            |
| Mode                   | Tx 11ax-80 [106-tone RU/Index 53] 5210 MHz |

| Polarity    | Frequency | Reading<br>(QP / PK) | Reading<br>(AV) | Ant.<br>Factor | Loss | Gain | Duty<br>Factor | Result<br>(QP / PK) | Result<br>(AV) | Limit<br>(QP / PK) | Limit<br>(AV) | Margin<br>(QP / PK) | Margin<br>(AV) | Remark |
|-------------|-----------|----------------------|-----------------|----------------|------|------|----------------|---------------------|----------------|--------------------|---------------|---------------------|----------------|--------|
| [Hori/Vert] | [MHz]     | [dBuV]               | [dBuV]          | [dB/m]         | [dB] | [dB] | [dB]           | [dBuV/m]            | [dBuV/m]       | [dBuV/m]           | [dBuV/m]      | [dB]                | [dB]           |        |
| Hori.       | 5150.0    | 43.6                 | 32.5            | 31.9           | 5.5  | 33.5 | -              | 47.5                | 36.4           | 73.9               | 53.9          | 26.4                | 17.6           |        |
| Vert.       | 5150.0    | 42.9                 | 31.9            | 31.9           | 5.5  | 33.5 | -              | 46.8                | 35.8           | 73.9               | 53.9          | 27.1                | 18.1           |        |

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

$$\text{Result (AV)} = \text{Reading} + \text{Ant Factor} + \text{Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz))} - \text{Gain(Amplifier)} + \text{Duty factor}$$

\*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

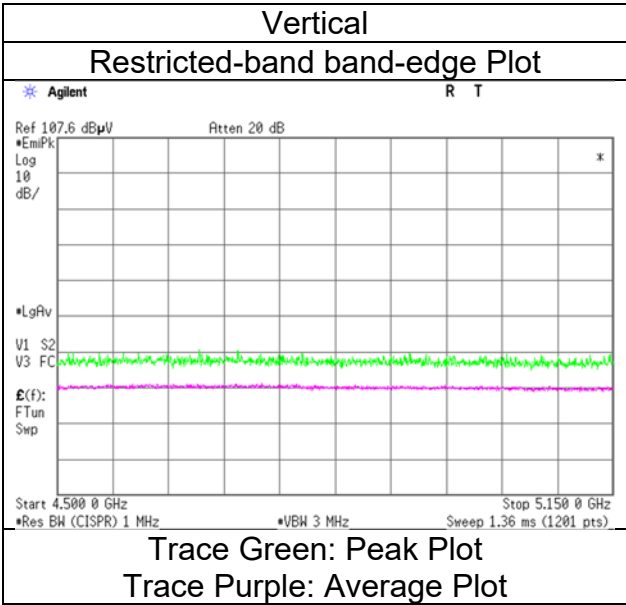
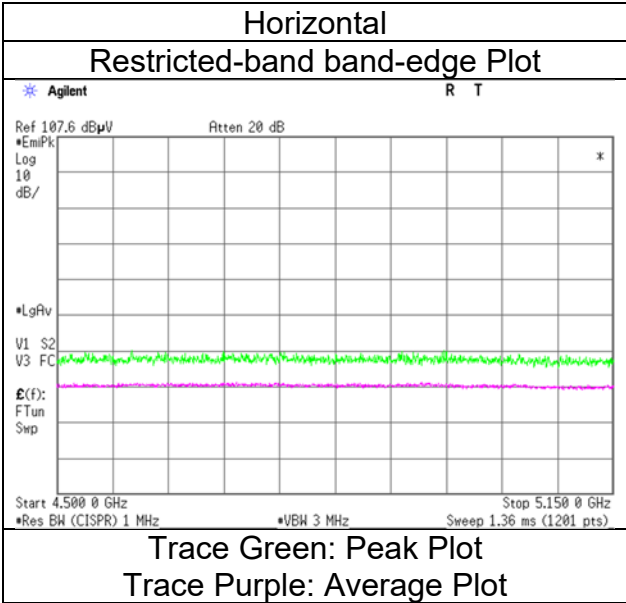
\*QP detector was used up to 1 GHz.

Distance factor: 1 GHz - 6 GHz  $20\log(3.6 \text{ m} / 3.0 \text{ m}) = 1.59 \text{ dB}$

**Radiated Spurious Emission**

Test place  
Semi Anechoic Chamber  
Date  
Temperature / Humidity  
Engineer  
  
Mode

Ise EMC Lab.  
No.2  
July 3, 2024  
24 deg. C / 69 % RH  
Tomoya Sone  
(1 GHz to 6 GHz)  
Tx 11ax-80 [106-tone RU/Index 53] 5210 MHz



\* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.  
Final result of restricted band edge was shown in tabular data.

## Radiated Spurious Emission

Test place Ise EMC Lab.  
Semi Anechoic Chamber No.2  
Date July 3, 2024  
Temperature / Humidity 24 deg. C / 69 % RH  
Engineer Tomoya Sone  
(1 GHz to 6 GHz)  
Mode Tx 11ax-80 [242-tone RU/Index 61] 5210 MHz

| Polarity    | Frequency | Reading<br>(QP / PK) | Reading<br>(AV) | Ant.<br>Factor | Loss | Gain | Duty<br>Factor | Result<br>(QP / PK) | Result<br>(AV) | Limit<br>(QP / PK) | Limit<br>(AV) | Margin<br>(QP / PK) | Margin<br>(AV) | Remark |
|-------------|-----------|----------------------|-----------------|----------------|------|------|----------------|---------------------|----------------|--------------------|---------------|---------------------|----------------|--------|
| [Hori/Vert] | [MHz]     | [dBuV]               | [dBuV]          | [dB/m]         | [dB] | [dB] | [dB]           | [dBuV/m]            | [dBuV/m]       | [dBuV/m]           | [dBuV/m]      | [dB]                | [dB]           |        |
| Hori.       | 5150.0    | 43.3                 | 32.5            | 31.9           | 5.5  | 33.5 | -              | 47.2                | 36.4           | 73.9               | 53.9          | 26.7                | 17.5           |        |
| Vert.       | 5150.0    | 43.1                 | 31.6            | 31.9           | 5.5  | 33.5 | -              | 47.0                | 35.5           | 73.9               | 53.9          | 26.9                | 18.4           |        |

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor

\*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

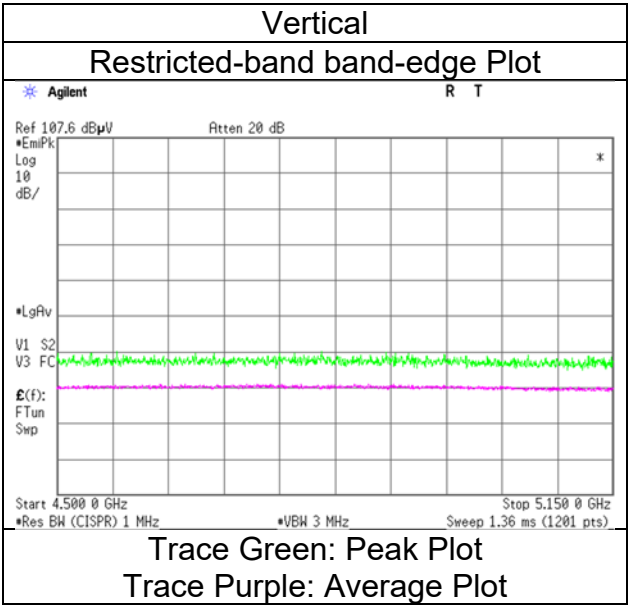
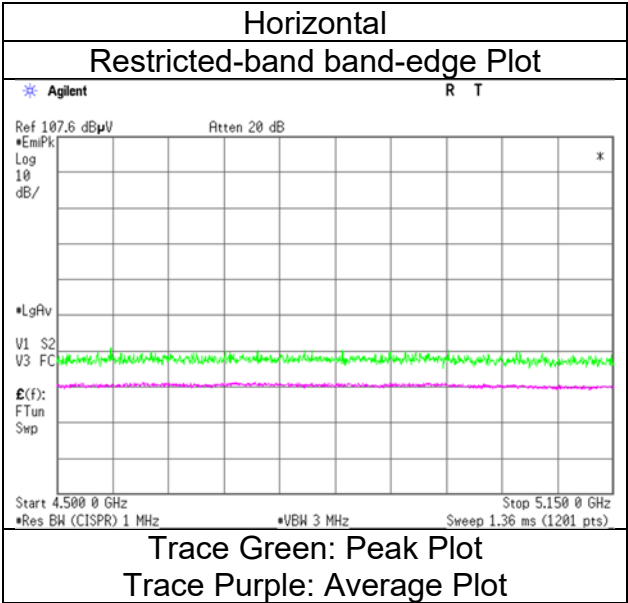
\*QP detector was used up to 1GHz.

Distance factor: 1 GHz - 6 GHz 20log (3.6 m / 3.0 m) = 1.59 dB

**Radiated Spurious Emission**

Test place  
Semi Anechoic Chamber  
Date  
Temperature / Humidity  
Engineer  
  
Mode

Ise EMC Lab.  
No.2  
July 3, 2024  
24 deg. C / 69 % RH  
Tomoya Sone  
(1 GHz to 6 GHz)  
Tx 11ax-80 [242-tone RU/Index 61] 5210 MHz



\* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.  
Final result of restricted band edge was shown in tabular data.

## Radiated Spurious Emission

|                        |                                            |
|------------------------|--------------------------------------------|
| Test place             | Ise EMC Lab.                               |
| Semi Anechoic Chamber  | No.2                                       |
| Date                   | July 3, 2024                               |
| Temperature / Humidity | 24 deg. C / 69 % RH                        |
| Engineer               | Tomoya Sone<br>(1 GHz to 6 GHz)            |
| Mode                   | Tx 11ax-80 [484-tone RU/Index 65] 5210 MHz |

| Polarity    | Frequency | Reading<br>(QP / PK) | Reading<br>(AV) | Ant.<br>Factor | Loss | Gain | Duty<br>Factor | Result<br>(QP / PK) | Result<br>(AV) | Limit<br>(QP / PK) | Limit<br>(AV) | Margin<br>(QP / PK) | Margin<br>(AV) | Remark |
|-------------|-----------|----------------------|-----------------|----------------|------|------|----------------|---------------------|----------------|--------------------|---------------|---------------------|----------------|--------|
| [Hori/Vert] | [MHz]     | [dBuV]               | [dBuV]          | [dB/m]         | [dB] | [dB] | [dB]           | [dBuV/m]            | [dBuV/m]       | [dBuV/m]           | [dBuV/m]      | [dB]                | [dB]           |        |
| Hori.       | 5150.0    | 43.2                 | 32.2            | 31.9           | 5.5  | 33.5 | -              | 47.1                | 36.1           | 73.9               | 53.9          | 26.8                | 17.8           |        |
| Vert.       | 5150.0    | 42.9                 | 31.7            | 31.9           | 5.5  | 33.5 | -              | 46.8                | 35.6           | 73.9               | 53.9          | 27.1                | 18.3           |        |

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

$$\text{Result (AV)} = \text{Reading} + \text{Ant Factor} + \text{Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz))} - \text{Gain(Amplifier)} + \text{Duty factor}$$

\*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

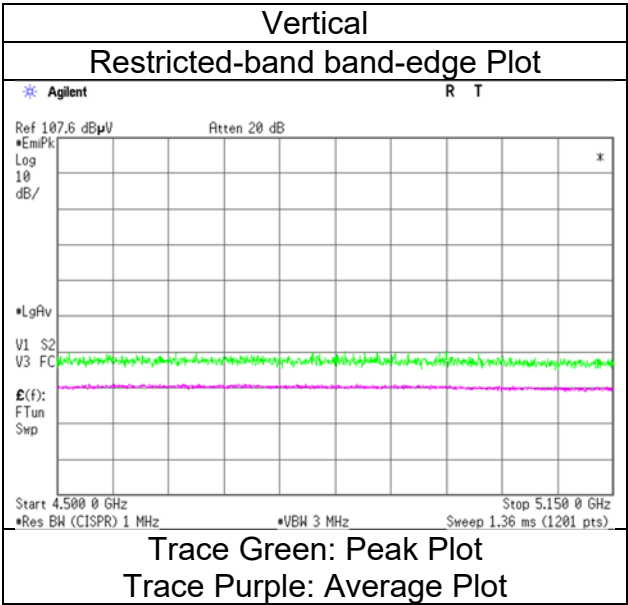
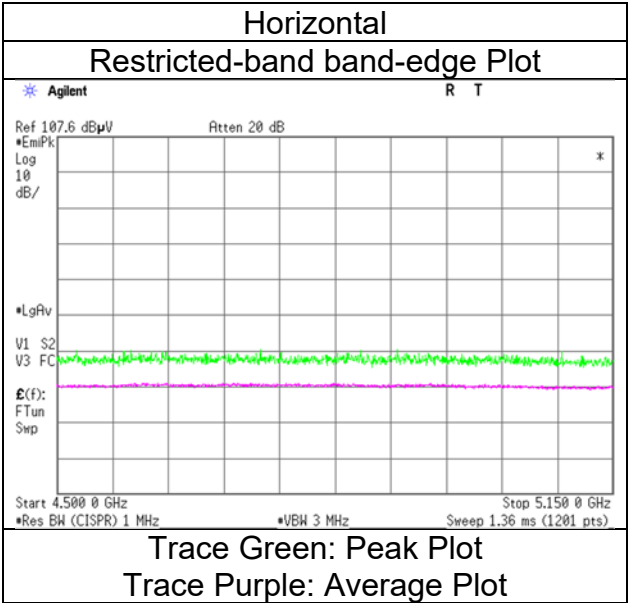
\*QP detector was used up to 1 GHz.

Distance factor: 1 GHz - 6 GHz  $20\log(3.6\text{ m} / 3.0\text{ m}) = 1.59\text{ dB}$

**Radiated Spurious Emission**

Test place  
Semi Anechoic Chamber  
Date  
Temperature / Humidity  
Engineer  
  
Mode

Ise EMC Lab.  
No.2  
July 3, 2024  
24 deg. C / 69 % RH  
Tomoya Sone  
(1 GHz to 6 GHz)  
Tx 11ax-80 [484-tone RU/Index 65] 5210 MHz



\* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.  
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place Ise EMC Lab.  
Semi Anechoic Chamber No.2  
Date July 3, 2024  
Temperature / Humidity 24 deg. C / 69 % RH  
Engineer Tomoya Sone  
Mode (1 GHz to 6 GHz)  
Tx 11ax-80 [996-tone RU/Index 67] 5210 MHz

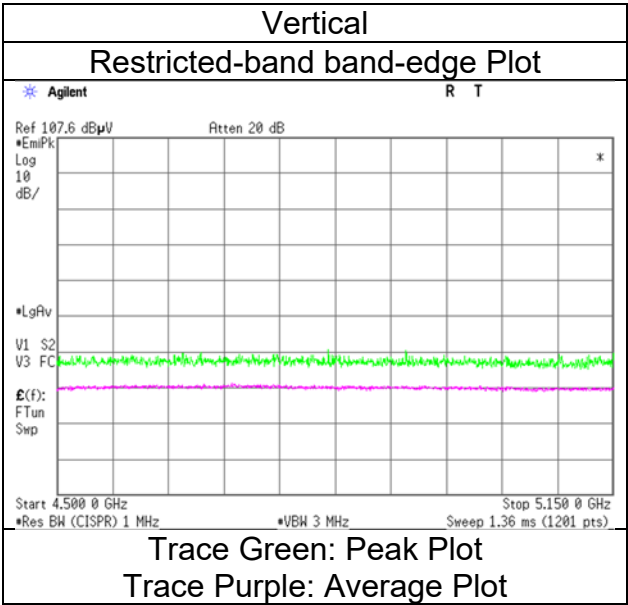
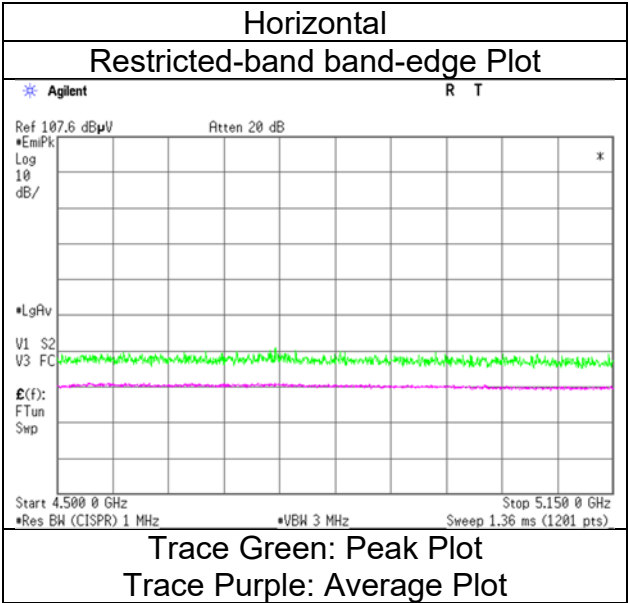
| Polarity    | Frequency | Reading<br>(QP / PK) | Reading<br>(AV) | Ant.<br>Factor | Loss | Gain | Duty<br>Factor | Result<br>(QP / PK) | Result<br>(AV) | Limit<br>(QP / PK) | Limit<br>(AV) | Margin<br>(QP / PK) | Margin<br>(AV) | Remark |
|-------------|-----------|----------------------|-----------------|----------------|------|------|----------------|---------------------|----------------|--------------------|---------------|---------------------|----------------|--------|
| [Hori/Vert] | [MHz]     | [dBuV]               | [dBuV]          | [dB/m]         | [dB] | [dB] | [dB]           | [dBuV/m]            | [dBuV/m]       | [dBuV/m]           | [dBuV/m]      | [dB]                | [dB]           |        |
| Hori.       | 5150.0    | 42.2                 | 31.4            | 31.9           | 5.5  | 33.5 | -              | 46.1                | 35.3           | 73.9               | 53.9          | 27.8                | 18.6           |        |
| Vert.       | 5150.0    | 42.4                 | 31.5            | 31.9           | 5.5  | 33.5 | -              | 46.2                | 35.3           | 73.9               | 53.9          | 27.7                | 18.6           |        |

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)  
Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor  
\*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).  
\*QP detector was used up to 1GHz.

Distance factor: 1 GHz - 6 GHz 20log (3.6 m / 3.0 m) = 1.59 dB

**Radiated Spurious Emission**

|                        |                                            |
|------------------------|--------------------------------------------|
| Test place             | Ise EMC Lab.                               |
| Semi Anechoic Chamber  | No.2                                       |
| Date                   | July 3, 2024                               |
| Temperature / Humidity | 24 deg. C / 69 % RH                        |
| Engineer               | Tomoya Sone                                |
|                        | (1 GHz to 6 GHz)                           |
| Mode                   | Tx 11ax-80 [996-tone RU/Index 67] 5210 MHz |



\* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.  
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

|                        |                                            |                     |                      |                      |
|------------------------|--------------------------------------------|---------------------|----------------------|----------------------|
| Test place             | Ise EMC Lab.                               |                     |                      |                      |
| Semi Anechoic Chamber  | No.2                                       | No.2                | No.2                 | No.2                 |
| Date                   | July 4, 2024                               | July 7, 2024        | July 8, 2024         | July 8, 2024         |
| Temperature / Humidity | 23 deg. C / 68 % RH                        | 20 deg. C / 60 % RH | 23 deg. C / 70 % RH  | 23 deg. C / 70 % RH  |
| Engineer               | Tomoya Sone                                | Shousei Hamaguchi   | Tomoya Sone          | Shousei Hamaguchi    |
|                        | (1 GHz to 6 GHz)                           | (10 GHz to 18 GHz)  | (18 GHz to 26.5 GHz) | (26.5 GHz to 40 GHz) |
| Mode                   | Tx 11ax-80 [484-tone RU/Index 66] 5210 MHz |                     |                      |                      |

| Polarity    | Frequency | Reading<br>(QP / PK) | Reading<br>(AV) | Ant.<br>Factor | Loss | Gain | Duty<br>Factor | Result<br>(QP / PK) | Result<br>(AV) | Limit<br>(QP / PK) | Limit<br>(AV) | Margin<br>(QP / PK) | Margin<br>(AV) | Remark      |
|-------------|-----------|----------------------|-----------------|----------------|------|------|----------------|---------------------|----------------|--------------------|---------------|---------------------|----------------|-------------|
| [Hori/Vert] | [MHz]     | [dBuV]               | [dBuV]          | [dB/m]         | [dB] | [dB] | [dB]           | [dBuV/m]            | [dBuV/m]       | [dBuV/m]           | [dBuV/m]      | [dB]                | [dB]           |             |
| Hori.       | 5000.0    | 41.5                 | 34.5            | 31.8           | 5.4  | 33.6 | -              | 45.2                | 38.2           | 73.9               | 53.9          | 28.7                | 15.7           |             |
| Hori.       | 5760.0    | 41.5                 | -               | 32.1           | 5.7  | 33.4 | -              | 45.9                | -              | 68.2               | -             | 22.3                | -              |             |
| Hori.       | 6946.7    | 43.7                 | -               | 35.1           | 6.2  | 33.4 | -              | 51.5                | -              | 68.2               | -             | 16.7                | -              |             |
| Hori.       | 10420.0   | 41.5                 | -               | 36.1           | -2.2 | 33.8 | -              | 41.6                | -              | 68.2               | -             | 26.6                | -              | Floor noise |
| Hori.       | 15630.0   | 43.4                 | 35.3            | 39.5           | -0.4 | 32.8 | -              | 49.7                | 41.6           | 73.9               | 53.9          | 24.2                | 12.3           | Floor noise |
| Vert.       | 5000.0    | 42.2                 | 34.1            | 31.8           | 5.4  | 33.6 | -              | 45.9                | 37.8           | 73.9               | 53.9          | 28.0                | 16.1           |             |
| Vert.       | 5760.0    | 41.8                 | -               | 32.1           | 5.7  | 33.4 | -              | 46.2                | -              | 68.2               | -             | 22.0                | -              |             |
| Vert.       | 6946.7    | 42.8                 | -               | 35.1           | 6.2  | 33.4 | -              | 50.6                | -              | 68.2               | -             | 17.6                | -              |             |
| Vert.       | 10420.0   | 41.5                 | -               | 36.1           | -2.2 | 33.8 | -              | 41.6                | -              | 68.2               | -             | 26.6                | -              | Floor noise |
| Vert.       | 15630.0   | 43.4                 | 35.3            | 39.5           | -0.4 | 32.8 | -              | 49.7                | 41.6           | 73.9               | 53.9          | 24.2                | 12.3           | Floor noise |

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)  
Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor  
\*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).  
\*QP detector was used up to 1GHz.

|                  |                   |                                 |
|------------------|-------------------|---------------------------------|
| Distance factor: | 1 GHz - 6 GHz     | 20log (3.6 m / 3.0 m) = 1.59 dB |
|                  | 6 GHz - 10 GHz    | 20log (3.6 m / 3.0 m) = 1.59 dB |
|                  | 10 GHz - 26.5 GHz | 20log (1.0 m / 3.0 m) = -9.5 dB |

Radiated Spurious Emission

Test place Ise EMC Lab.  
Semi Anechoic Chamber No.2  
Date July 3, 2024  
Temperature / Humidity 24 deg. C / 69 % RH  
Engineer Tomoya Sone  
Mode (1 GHz to 6 GHz)  
Tx 11ax-80 [26-tone RU/Index 36] 5210 MHz

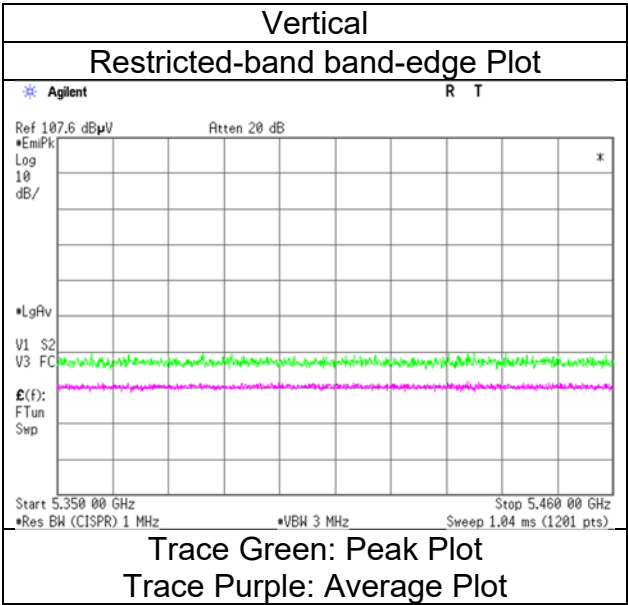
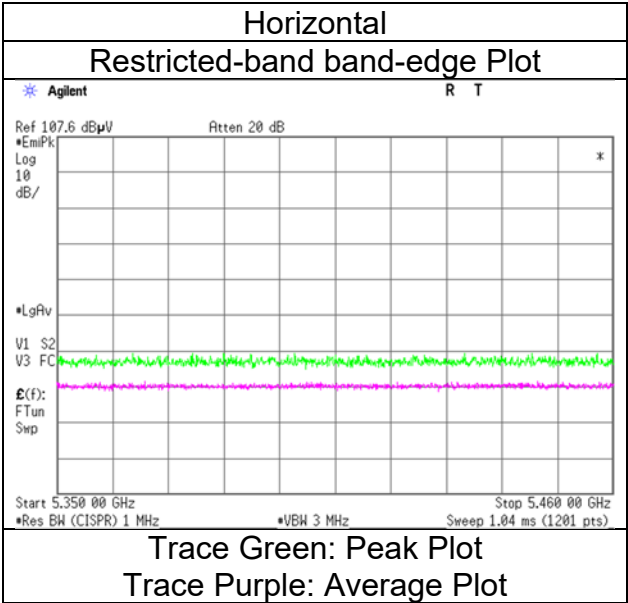
| Polarity    | Frequency | Reading<br>(QP / PK) | Reading<br>(AV) | Ant.<br>Factor | Loss | Gain | Duty<br>Factor | Result<br>(QP / PK) | Result<br>(AV) | Limit<br>(QP / PK) | Limit<br>(AV) | Margin<br>(QP / PK) | Margin<br>(AV) | Remark |
|-------------|-----------|----------------------|-----------------|----------------|------|------|----------------|---------------------|----------------|--------------------|---------------|---------------------|----------------|--------|
| [Hori/Vert] | [MHz]     | [dBuV]               | [dBuV]          | [dB/m]         | [dB] | [dB] | [dB]           | [dBuV/m]            | [dBuV/m]       | [dBuV/m]           | [dBuV/m]      | [dB]                | [dB]           |        |
| Hori.       | 5350.0    | 43.0                 | 32.5            | 31.7           | 5.6  | 33.4 | -              | 46.8                | 36.4           | 73.9               | 53.9          | 27.1                | 17.5           |        |
| Vert.       | 5350.0    | 43.2                 | 32.7            | 31.7           | 5.6  | 33.4 | -              | 47.0                | 36.6           | 73.9               | 53.9          | 26.9                | 17.3           |        |

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)  
Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor  
\*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).  
\*QP detector was used up to 1GHz.

Distance factor: 1 GHz - 6 GHz 20log (3.6 m / 3.0 m) = 1.59 dB

**Radiated Spurious Emission**

|                        |                                           |
|------------------------|-------------------------------------------|
| Test place             | Ise EMC Lab.                              |
| Semi Anechoic Chamber  | No.2                                      |
| Date                   | July 3, 2024                              |
| Temperature / Humidity | 24 deg. C / 69 % RH                       |
| Engineer               | Tomoya Sone                               |
|                        | (1 GHz to 6 GHz)                          |
| Mode                   | Tx 11ax-80 [26-tone RU/Index 36] 5210 MHz |



\* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.  
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place  
Semi Anechoic Chamber  
Date  
Temperature / Humidity  
Engineer  
  
Mode

Ise EMC Lab.  
No.2  
July 3, 2024  
24 deg. C / 69 % RH  
Tomoya Sone  
(1 GHz to 6 GHz)  
Tx 11ax-80 [52-tone RU/Index 52] 5210 MHz

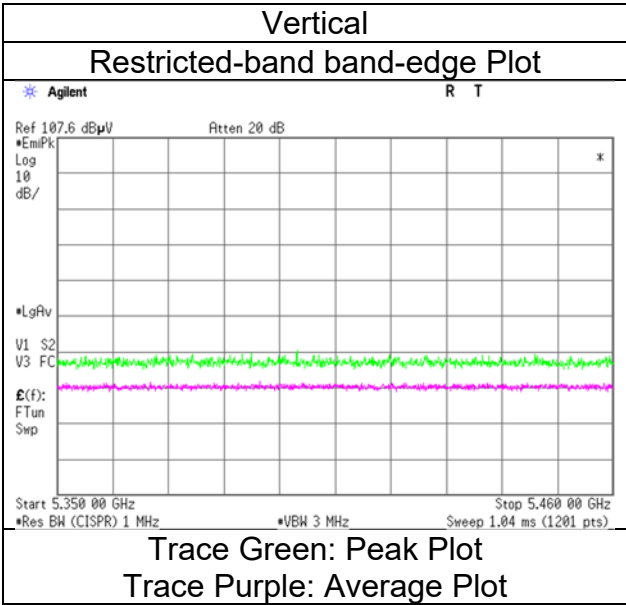
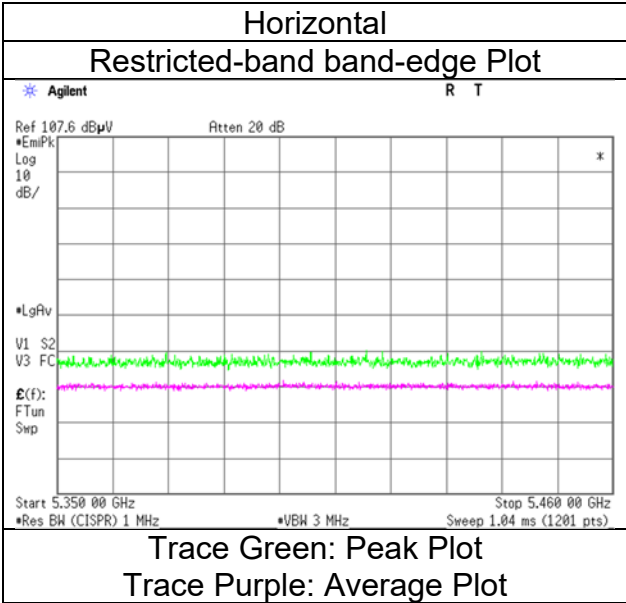
| Polarity    | Frequency | Reading<br>(QP / PK) | Reading<br>(AV) | Ant.<br>Factor | Loss | Gain | Duty<br>Factor | Result<br>(QP / PK) | Result<br>(AV) | Limit<br>(QP / PK) | Limit<br>(AV) | Margin<br>(QP / PK) | Margin<br>(AV) | Remark |
|-------------|-----------|----------------------|-----------------|----------------|------|------|----------------|---------------------|----------------|--------------------|---------------|---------------------|----------------|--------|
| [Hori/Vert] | [MHz]     | [dBuV]               | [dBuV]          | [dB/m]         | [dB] | [dB] | [dB]           | [dBuV/m]            | [dBuV/m]       | [dBuV/m]           | [dBuV/m]      | [dB]                | [dB]           |        |
| Hori.       | 5350.0    | 43.3                 | 32.6            | 31.7           | 5.6  | 33.4 | -              | 47.2                | 36.5           | 73.9               | 53.9          | 26.7                | 17.4           |        |
| Vert.       | 5350.0    | 43.6                 | 32.9            | 31.7           | 5.6  | 33.4 | -              | 47.4                | 36.8           | 73.9               | 53.9          | 26.5                | 17.1           |        |

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)  
Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor  
\*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).  
\*QP detector was used up to 1GHz.

Distance factor: 1 GHz - 6 GHz 20log (3.6 m / 3.0 m) = 1.59 dB

**Radiated Spurious Emission**

|                        |                                           |
|------------------------|-------------------------------------------|
| Test place             | Ise EMC Lab.                              |
| Semi Anechoic Chamber  | No.2                                      |
| Date                   | July 3, 2024                              |
| Temperature / Humidity | 24 deg. C / 69 % RH                       |
| Engineer               | Tomoya Sone                               |
|                        | (1 GHz to 6 GHz)                          |
| Mode                   | Tx 11ax-80 [52-tone RU/Index 52] 5210 MHz |



\* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.  
Final result of restricted band edge was shown in tabular data.

## Radiated Spurious Emission

Test place Ise EMC Lab.  
Semi Anechoic Chamber No.2  
Date July 3, 2024  
Temperature / Humidity 24 deg. C / 69 % RH  
Engineer Tomoya Sone  
(1 GHz to 6 GHz)  
Mode Tx 11ax-80 [106-tone RU/Index 60] 5210 MHz

| Polarity    | Frequency | Reading<br>(QP / PK) | Reading<br>(AV) | Ant.<br>Factor | Loss | Gain | Duty<br>Factor | Result<br>(QP / PK) | Result<br>(AV) | Limit<br>(QP / PK) | Limit<br>(AV) | Margin<br>(QP / PK) | Margin<br>(AV) | Remark |
|-------------|-----------|----------------------|-----------------|----------------|------|------|----------------|---------------------|----------------|--------------------|---------------|---------------------|----------------|--------|
| [Hori/Vert] | [MHz]     | [dBuV]               | [dBuV]          | [dB/m]         | [dB] | [dB] | [dB]           | [dBuV/m]            | [dBuV/m]       | [dBuV/m]           | [dBuV/m]      | [dB]                | [dB]           |        |
| Hori.       | 5350.0    | 43.0                 | 32.9            | 31.7           | 5.6  | 33.4 | -              | 46.8                | 36.7           | 73.9               | 53.9          | 27.1                | 17.2           |        |
| Vert.       | 5350.0    | 43.2                 | 32.7            | 31.7           | 5.6  | 33.4 | -              | 47.0                | 36.5           | 73.9               | 53.9          | 26.9                | 17.4           |        |

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor

\*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

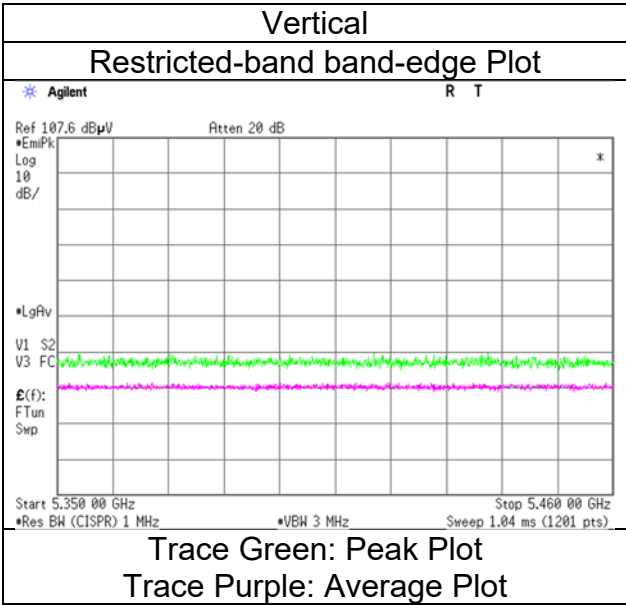
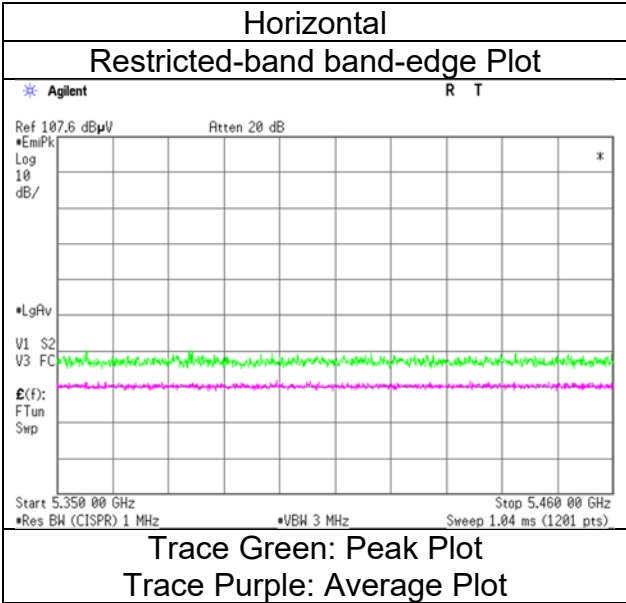
\*QP detector was used up to 1GHz.

Distance factor: 1 GHz - 6 GHz 20log (3.6 m / 3.0 m) = 1.59 dB

**Radiated Spurious Emission**

Test place  
Semi Anechoic Chamber  
Date  
Temperature / Humidity  
Engineer  
  
Mode

Ise EMC Lab.  
No.2  
July 3, 2024  
24 deg. C / 69 % RH  
Tomoya Sone  
(1 GHz to 6 GHz)  
Tx 11ax-80 [106-tone RU/Index 60] 5210 MHz



\* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.  
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place Ise EMC Lab.  
Semi Anechoic Chamber No.2  
Date July 3, 2024  
Temperature / Humidity 24 deg. C / 69 % RH  
Engineer Tomoya Sone  
Mode (1 GHz to 6 GHz)  
Tx 11ax-80 [242-tone RU/Index 64] 5210 MHz

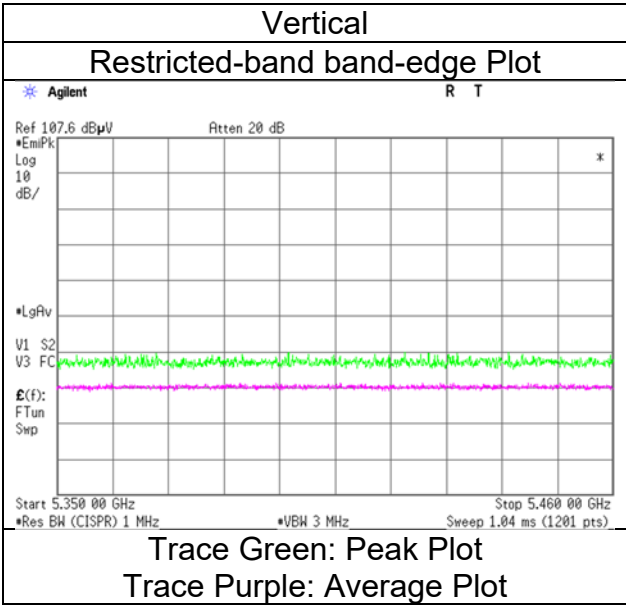
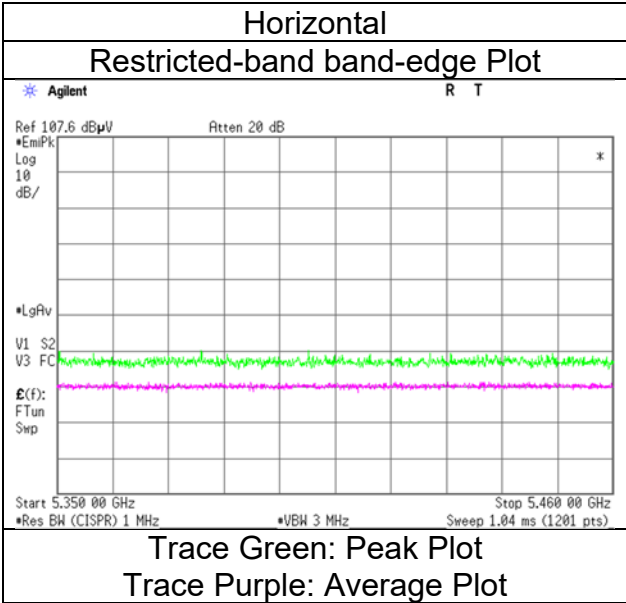
| Polarity    | Frequency | Reading<br>(QP / PK) | Reading<br>(AV) | Ant.<br>Factor | Loss | Gain | Duty<br>Factor | Result<br>(QP / PK) | Result<br>(AV) | Limit<br>(QP / PK) | Limit<br>(AV) | Margin<br>(QP / PK) | Margin<br>(AV) | Remark |
|-------------|-----------|----------------------|-----------------|----------------|------|------|----------------|---------------------|----------------|--------------------|---------------|---------------------|----------------|--------|
| [Hori/Vert] | [MHz]     | [dBuV]               | [dBuV]          | [dB/m]         | [dB] | [dB] | [dB]           | [dBuV/m]            | [dBuV/m]       | [dBuV/m]           | [dBuV/m]      | [dB]                | [dB]           |        |
| Hori.       | 5350.0    | 43.0                 | 32.7            | 31.7           | 5.6  | 33.4 | -              | 46.8                | 36.5           | 73.9               | 53.9          | 27.1                | 17.4           |        |
| Vert.       | 5350.0    | 43.3                 | 32.8            | 31.7           | 5.6  | 33.4 | -              | 47.2                | 36.7           | 73.9               | 53.9          | 26.7                | 17.2           |        |

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)  
Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor  
\*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).  
\*QP detector was used up to 1GHz.

Distance factor: 1 GHz - 6 GHz 20log (3.6 m / 3.0 m) = 1.59 dB

**Radiated Spurious Emission**

|                        |                                            |
|------------------------|--------------------------------------------|
| Test place             | Ise EMC Lab.                               |
| Semi Anechoic Chamber  | No.2                                       |
| Date                   | July 3, 2024                               |
| Temperature / Humidity | 24 deg. C / 69 % RH                        |
| Engineer               | Tomoya Sone                                |
|                        | (1 GHz to 6 GHz)                           |
| Mode                   | Tx 11ax-80 [242-tone RU/Index 64] 5210 MHz |



\* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.  
Final result of restricted band edge was shown in tabular data.

## Radiated Spurious Emission

|                        |                                            |
|------------------------|--------------------------------------------|
| Test place             | Ise EMC Lab.                               |
| Semi Anechoic Chamber  | No.2                                       |
| Date                   | July 3, 2024                               |
| Temperature / Humidity | 24 deg. C / 69 % RH                        |
| Engineer               | Tomoya Sone<br>(1 GHz to 6 GHz)            |
| Mode                   | Tx 11ax-80 [484-tone RU/Index 66] 5210 MHz |

| Polarity    | Frequency | Reading<br>(QP / PK) | Reading<br>(AV) | Ant.<br>Factor | Loss | Gain | Duty<br>Factor | Result<br>(QP / PK) | Result<br>(AV) | Limit<br>(QP / PK) | Limit<br>(AV) | Margin<br>(QP / PK) | Margin<br>(AV) | Remark |
|-------------|-----------|----------------------|-----------------|----------------|------|------|----------------|---------------------|----------------|--------------------|---------------|---------------------|----------------|--------|
| [Hori/Vert] | [MHz]     | [dBuV]               | [dBuV]          | [dB/m]         | [dB] | [dB] | [dB]           | [dBuV/m]            | [dBuV/m]       | [dBuV/m]           | [dBuV/m]      | [dB]                | [dB]           |        |
| Hori.       | 5350.0    | 43.1                 | 32.6            | 31.7           | 5.6  | 33.4 | -              | 46.9                | 36.5           | 73.9               | 53.9          | 27.0                | 17.4           |        |
| Vert.       | 5350.0    | 43.4                 | 32.8            | 31.7           | 5.6  | 33.4 | -              | 47.3                | 36.6           | 73.9               | 53.9          | 26.6                | 17.3           |        |

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

$$\text{Result (AV)} = \text{Reading} + \text{Ant Factor} + \text{Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz))} - \text{Gain(Amplifier)} + \text{Duty factor}$$

\*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

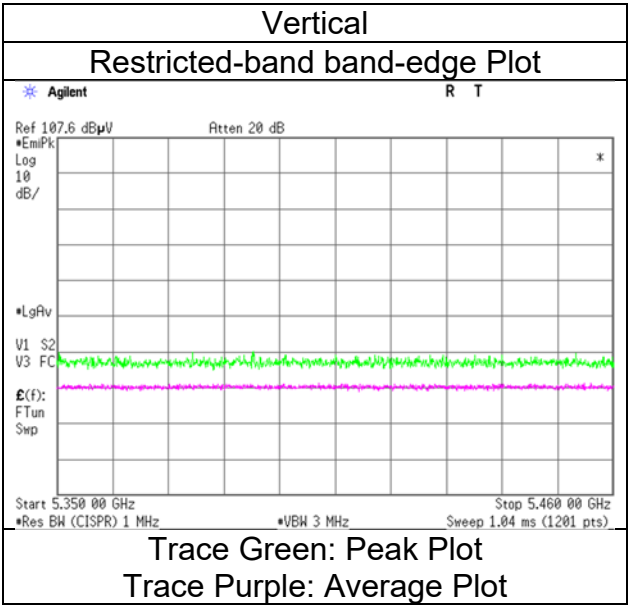
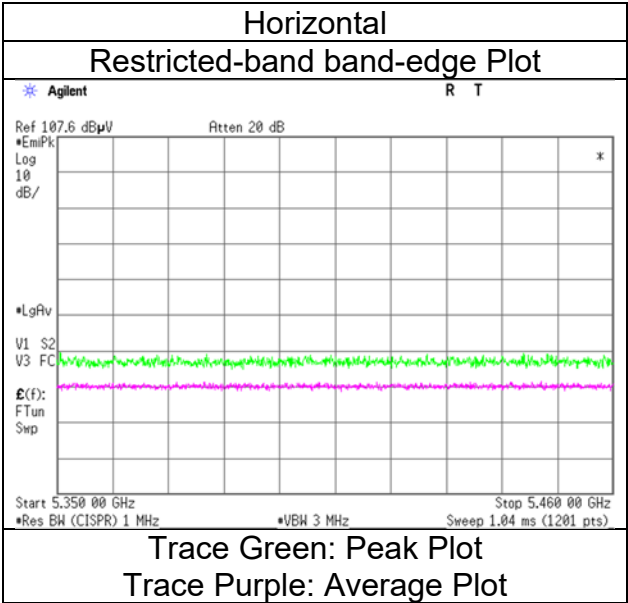
\*QP detector was used up to 1 GHz.

Distance factor: 1 GHz - 6 GHz  $20\log(3.6 \text{ m} / 3.0 \text{ m}) = 1.59 \text{ dB}$

**Radiated Spurious Emission**

Test place  
Semi Anechoic Chamber  
Date  
Temperature / Humidity  
Engineer  
  
Mode

Ise EMC Lab.  
No.2  
July 3, 2024  
24 deg. C / 69 % RH  
Tomoya Sone  
(1 GHz to 6 GHz)  
Tx 11ax-80 [484-tone RU/Index 66] 5210 MHz



\* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.  
Final result of restricted band edge was shown in tabular data.

## Radiated Spurious Emission

|                        |                                            |
|------------------------|--------------------------------------------|
| Test place             | Ise EMC Lab.                               |
| Semi Anechoic Chamber  | No.2                                       |
| Date                   | July 3, 2024                               |
| Temperature / Humidity | 24 deg. C / 69 % RH                        |
| Engineer               | Tomoya Sone<br>(1 GHz to 6 GHz)            |
| Mode                   | Tx 11ax-80 [996-tone RU/Index 67] 5210 MHz |

| Polarity    | Frequency | Reading<br>(QP / PK) | Reading<br>(AV) | Ant.<br>Factor | Loss | Gain | Duty<br>Factor | Result<br>(QP / PK) | Result<br>(AV) | Limit<br>(QP / PK) | Limit<br>(AV) | Margin<br>(QP / PK) | Margin<br>(AV) | Remark |
|-------------|-----------|----------------------|-----------------|----------------|------|------|----------------|---------------------|----------------|--------------------|---------------|---------------------|----------------|--------|
| [Hori/Vert] | [MHz]     | [dBuV]               | [dBuV]          | [dB/m]         | [dB] | [dB] | [dB]           | [dBuV/m]            | [dBuV/m]       | [dBuV/m]           | [dBuV/m]      | [dB]                | [dB]           |        |
| Hori.       | 5350.0    | 43.4                 | 32.0            | 31.7           | 5.6  | 33.4 | -              | 47.3                | 35.8           | 73.9               | 53.9          | 26.6                | 18.1           |        |
| Vert.       | 5350.0    | 42.7                 | 32.2            | 31.7           | 5.6  | 33.4 | -              | 46.5                | 36.1           | 73.9               | 53.9          | 27.4                | 17.9           |        |

$$\text{Result (QP / PK)} = \text{Reading} + \text{Ant Factor} + \text{Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz))} - \text{Gain(Amplifier)}$$

Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor

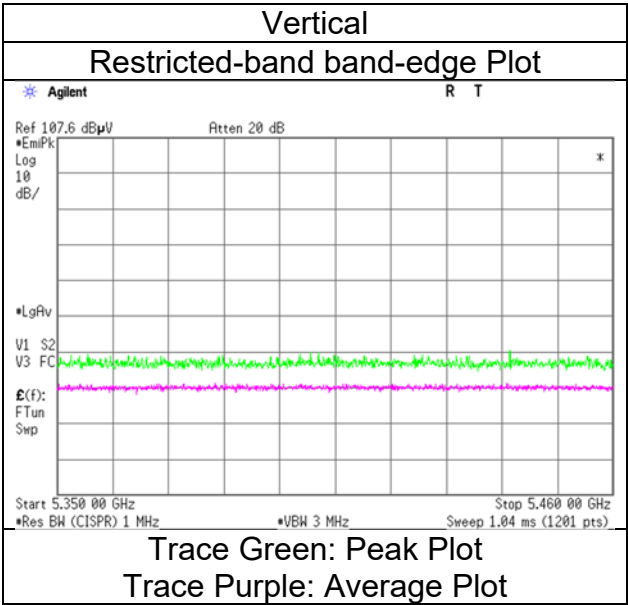
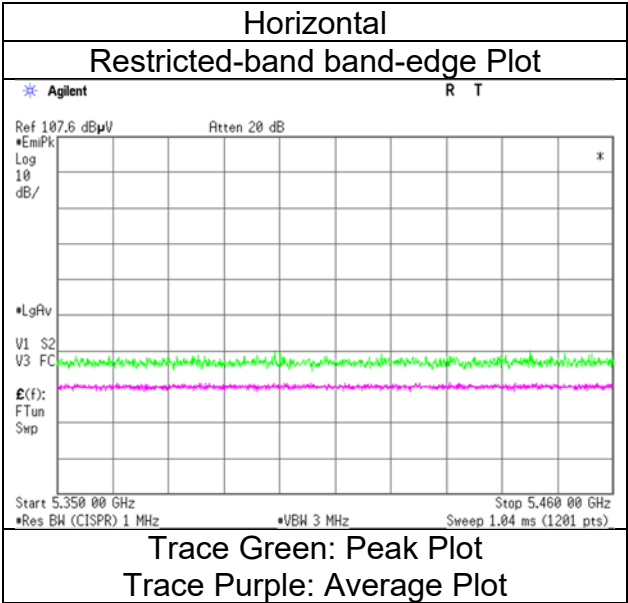
\*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

\*QP detector was used up to 1GHz.

Distance factor:            1 GHz - 6 GHz             $20\log(3.6 \text{ m} / 3.0 \text{ m}) = 1.59 \text{ dB}$

**Radiated Spurious Emission**

|                        |                                            |
|------------------------|--------------------------------------------|
| Test place             | Ise EMC Lab.                               |
| Semi Anechoic Chamber  | No.2                                       |
| Date                   | July 3, 2024                               |
| Temperature / Humidity | 24 deg. C / 69 % RH                        |
| Engineer               | Tomoya Sone                                |
|                        | (1 GHz to 6 GHz)                           |
| Mode                   | Tx 11ax-80 [996-tone RU/Index 67] 5210 MHz |



\* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.  
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place  
Semi Anechoic Chamber  
Date  
Temperature / Humidity  
Engineer  
  
Mode

Ise EMC Lab.  
No.2  
July 4, 2024  
22 deg. C / 67 % RH  
Nachi Konegawa  
(1 GHz to 6 GHz)  
Tx 11ax-80 [26-tone RU/Index 0] 5775 MHz

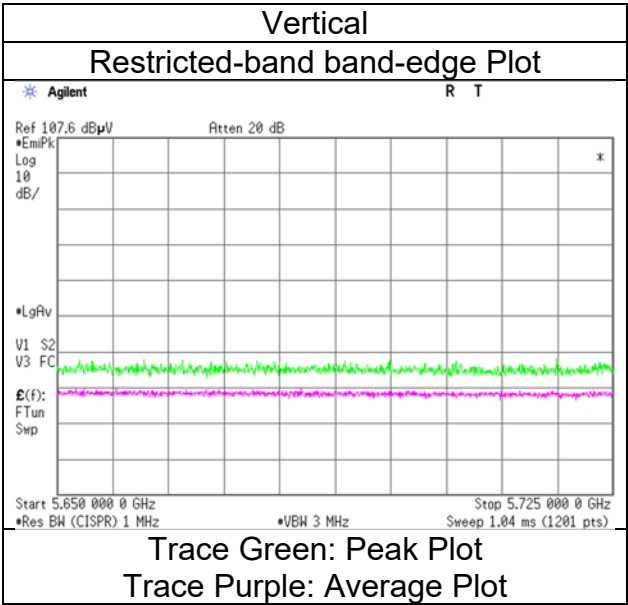
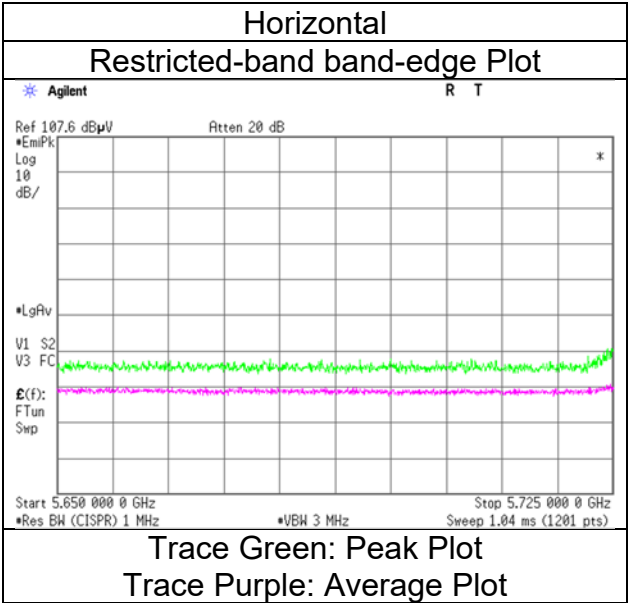
| Polarity    | Frequency | Reading<br>(QP / PK) | Reading<br>(AV) | Ant.<br>Factor | Loss | Gain | Duty<br>Factor | Result<br>(QP / PK) | Result<br>(AV) | Limit<br>(QP / PK) | Limit<br>(AV) | Margin<br>(QP / PK) | Margin<br>(AV) | Remark |
|-------------|-----------|----------------------|-----------------|----------------|------|------|----------------|---------------------|----------------|--------------------|---------------|---------------------|----------------|--------|
| [Hori/Vert] | [MHz]     | [dBuV]               | [dBuV]          | [dB/m]         | [dB] | [dB] | [dB]           | [dBuV/m]            | [dBuV/m]       | [dBuV/m]           | [dBuV/m]      | [dB]                | [dB]           |        |
| Hori.       | 5650.0    | 39.8                 | -               | 31.8           | 5.7  | 33.4 | -              | 43.9                | -              | 68.2               | -             | 24.3                | -              |        |
| Hori.       | 5700.0    | 40.6                 | -               | 31.9           | 5.7  | 33.4 | -              | 44.8                | -              | 105.2              | -             | 60.4                | -              |        |
| Hori.       | 5720.0    | 43.2                 | -               | 32.0           | 5.7  | 33.4 | -              | 47.6                | -              | 110.8              | -             | 63.3                | -              |        |
| Hori.       | 5725.0    | 51.1                 | -               | 32.0           | 5.7  | 33.4 | -              | 55.5                | -              | 122.2              | -             | 66.7                | -              |        |
| Vert.       | 5650.0    | 38.3                 | -               | 31.8           | 5.7  | 33.4 | -              | 42.5                | -              | 68.2               | -             | 25.7                | -              |        |
| Vert.       | 5700.0    | 37.8                 | -               | 31.9           | 5.7  | 33.4 | -              | 42.1                | -              | 105.2              | -             | 63.2                | -              |        |
| Vert.       | 5720.0    | 38.2                 | -               | 32.0           | 5.7  | 33.4 | -              | 42.5                | -              | 110.8              | -             | 68.3                | -              |        |
| Vert.       | 5725.0    | 45.1                 | -               | 32.0           | 5.7  | 33.4 | -              | 49.5                | -              | 122.2              | -             | 72.8                | -              |        |

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)  
Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor  
\*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).  
\*QP detector was used up to 1GHz.

Distance factor: 1 GHz - 6 GHz 20log (3.6 m / 3.0 m) = 1.59 dB

**Radiated Spurious Emission**

|                        |                                          |
|------------------------|------------------------------------------|
| Test place             | Ise EMC Lab.                             |
| Semi Anechoic Chamber  | No.2                                     |
| Date                   | July 4, 2024                             |
| Temperature / Humidity | 22 deg. C / 67 % RH                      |
| Engineer               | Nachi Konegawa                           |
|                        | (1 GHz to 6 GHz)                         |
| Mode                   | Tx 11ax-80 [26-tone RU/Index 0] 5775 MHz |



\* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.  
Final result of restricted band edge was shown in tabular data.

## Radiated Spurious Emission

|                        |                                           |                     |                      |                      |
|------------------------|-------------------------------------------|---------------------|----------------------|----------------------|
| Test place             | Ise EMC Lab.                              |                     |                      |                      |
| Semi Anechoic Chamber  | No.2                                      | No.2                | No.2                 | No.2                 |
| Date                   | July 4, 2024                              | July 7, 2024        | July 8, 2024         | July 8, 2024         |
| Temperature / Humidity | 22 deg. C / 67 % RH                       | 20 deg. C / 60 % RH | 23 deg. C / 70 % RH  | 23 deg. C / 70 % RH  |
| Engineer               | Nachi Konegawa                            | Shousei Hamaguchi   | Tomoya Sone          | Shousei Hamaguchi    |
|                        | (1 GHz to 10 GHz)                         | (10 GHz to 18 GHz)  | (18 GHz to 26.5 GHz) | (26.5 GHz to 40 GHz) |
| Mode                   | Tx 11ax-80 [52-tone RU/Index 37] 5775 MHz |                     |                      |                      |

| Polarity    | Frequency | Reading<br>(QP / PK) | Reading<br>(AV) | Ant.<br>Factor | Loss | Gain | Duty<br>Factor | Result<br>(QP / PK) | Result<br>(AV) | Limit<br>(QP / PK) | Limit<br>(AV) | Margin<br>(QP / PK) | Margin<br>(AV) | Remark      |
|-------------|-----------|----------------------|-----------------|----------------|------|------|----------------|---------------------|----------------|--------------------|---------------|---------------------|----------------|-------------|
| [Hori/Vert] | [MHz]     | [dBuV]               | [dBuV]          | [dB/m]         | [dB] | [dB] | [dB]           | [dBuV/m]            | [dBuV/m]       | [dBuV/m]           | [dBuV/m]      | [dB]                | [dB]           |             |
| Hori.       | 5000.0    | 43.1                 | 35.7            | 31.8           | 5.4  | 33.6 | -              | 46.8                | 39.4           | 73.9               | 53.9          | 27.1                | 14.6           |             |
| Hori.       | 5650.0    | 40.1                 | -               | 31.8           | 5.7  | 33.4 | -              | 44.3                | -              | 68.2               | -             | 23.9                | -              |             |
| Hori.       | 5700.0    | 39.4                 | -               | 31.9           | 5.7  | 33.4 | -              | 43.6                | -              | 105.2              | -             | 61.6                | -              |             |
| Hori.       | 5720.0    | 41.3                 | -               | 32.0           | 5.7  | 33.4 | -              | 45.6                | -              | 110.8              | -             | 65.2                | -              |             |
| Hori.       | 5725.0    | 53.1                 | -               | 32.0           | 5.7  | 33.4 | -              | 57.4                | -              | 122.2              | -             | 64.8                | -              |             |
| Hori.       | 11550.0   | 40.4                 | 32.1            | 37.7           | -1.7 | 33.2 | -              | 43.3                | 35.0           | 73.9               | 53.9          | 30.6                | 18.9           | Floor noise |
| Hori.       | 17325.0   | 42.3                 | -               | 40.0           | 0.0  | 32.2 | -              | 50.1                | -              | 68.2               | -             | 18.1                | -              | Floor noise |
| Vert.       | 5000.0    | 44.1                 | 36.4            | 31.8           | 5.4  | 33.6 | -              | 47.7                | 40.1           | 73.9               | 53.9          | 26.2                | 13.8           |             |
| Vert.       | 5650.0    | 38.0                 | -               | 31.8           | 5.7  | 33.4 | -              | 42.1                | -              | 68.2               | -             | 26.1                | -              |             |
| Vert.       | 5700.0    | 37.9                 | -               | 31.9           | 5.7  | 33.4 | -              | 42.2                | -              | 105.2              | -             | 63.0                | -              |             |
| Vert.       | 5720.0    | 39.1                 | -               | 32.0           | 5.7  | 33.4 | -              | 43.4                | -              | 110.8              | -             | 67.4                | -              |             |
| Vert.       | 5725.0    | 47.3                 | -               | 32.0           | 5.7  | 33.4 | -              | 51.6                | -              | 122.2              | -             | 70.6                | -              |             |
| Vert.       | 11550.0   | 40.4                 | 32.1            | 37.7           | -1.7 | 33.2 | -              | 43.3                | 35.0           | 73.9               | 53.9          | 30.6                | 18.9           | Floor noise |
| Vert.       | 17325.0   | 42.3                 | -               | 40.0           | 0.0  | 32.2 | -              | 50.1                | -              | 68.2               | -             | 18.1                | -              | Floor noise |

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor

\*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

\*QP detector was used up to 1GHz.

Distance factor:

|                   |                                 |
|-------------------|---------------------------------|
| 1 GHz - 6 GHz     | 20log (3.6 m / 3.0 m) = 1.59 dB |
| 6 GHz - 10 GHz    | 20log (3.6 m / 3.0 m) = 1.59 dB |
| 10 GHz - 26.5 GHz | 20log (1.0 m / 3.0 m) = -9.5 dB |