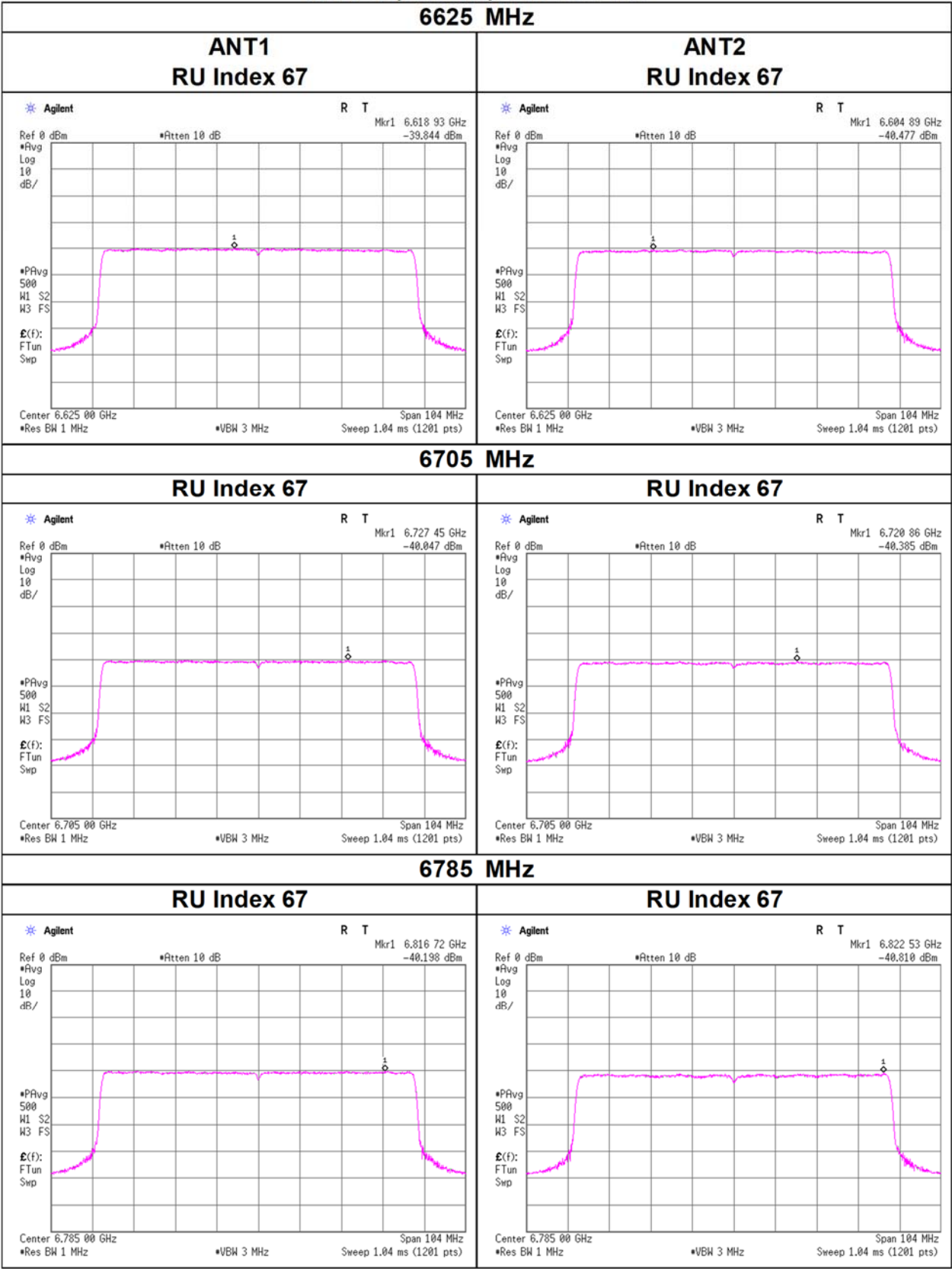


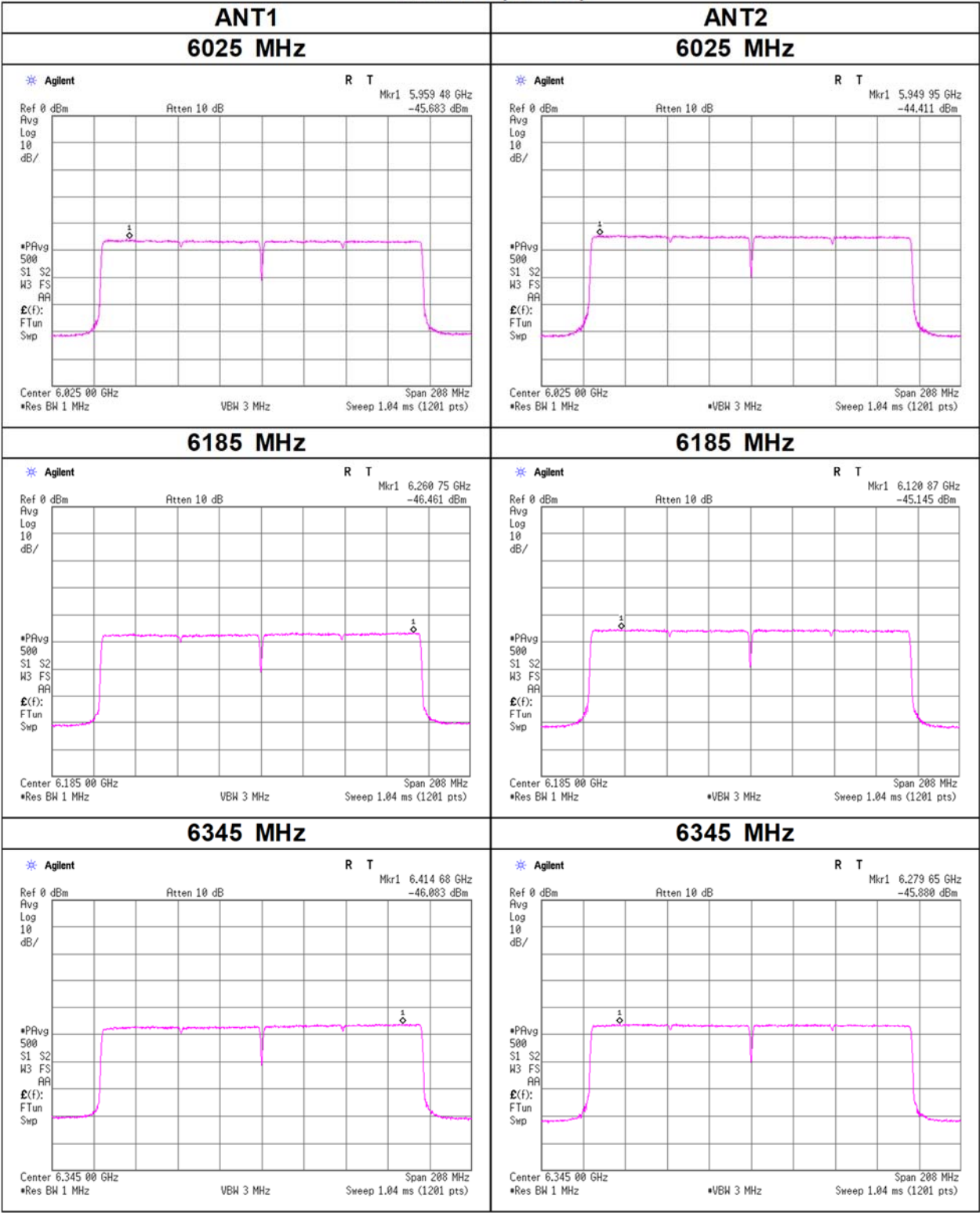
Maximum Power Spectral Density

11ax-80(OFDMA), 996-tone RU



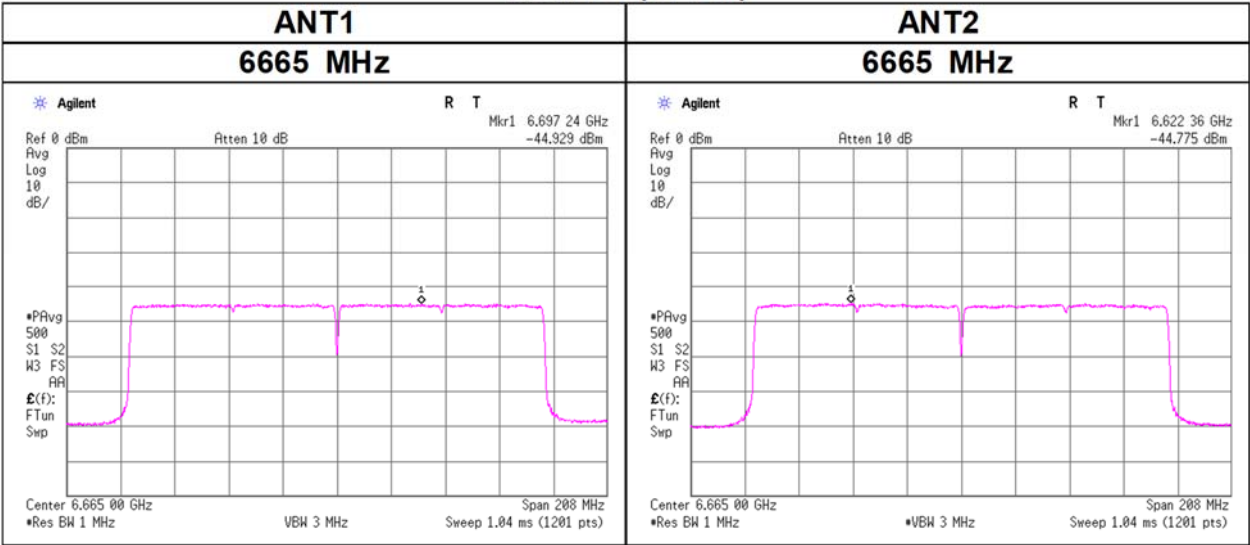
Maximum Power Spectral Density

11ax-160(OFDM)



Maximum Power Spectral Density

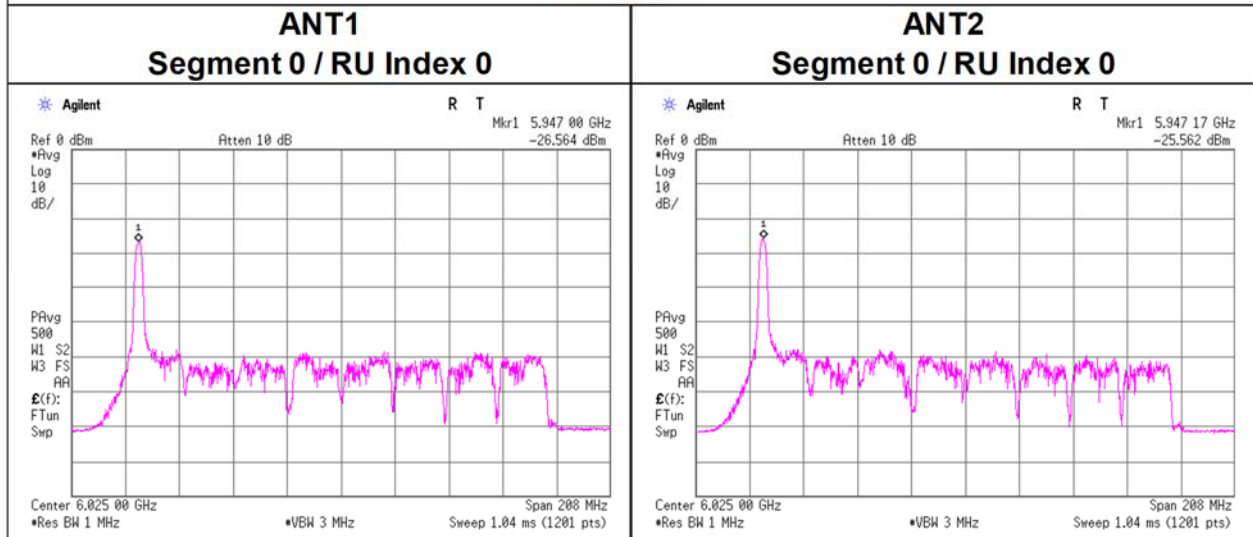
11ax-160(OFDM)



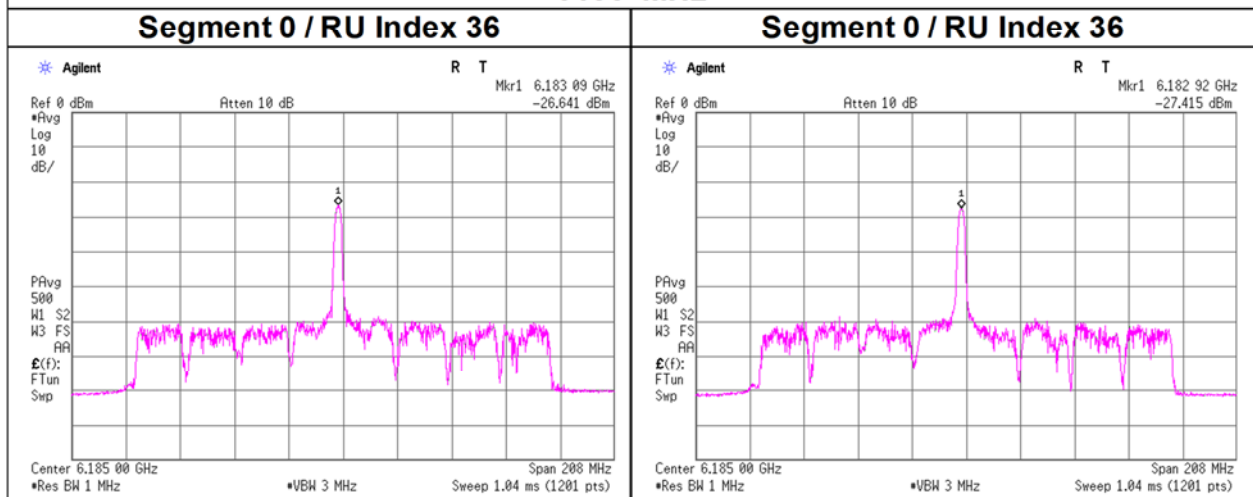
## Maximum Power Spectral Density

### 11ax-160(OFDMA), 26-tone RU

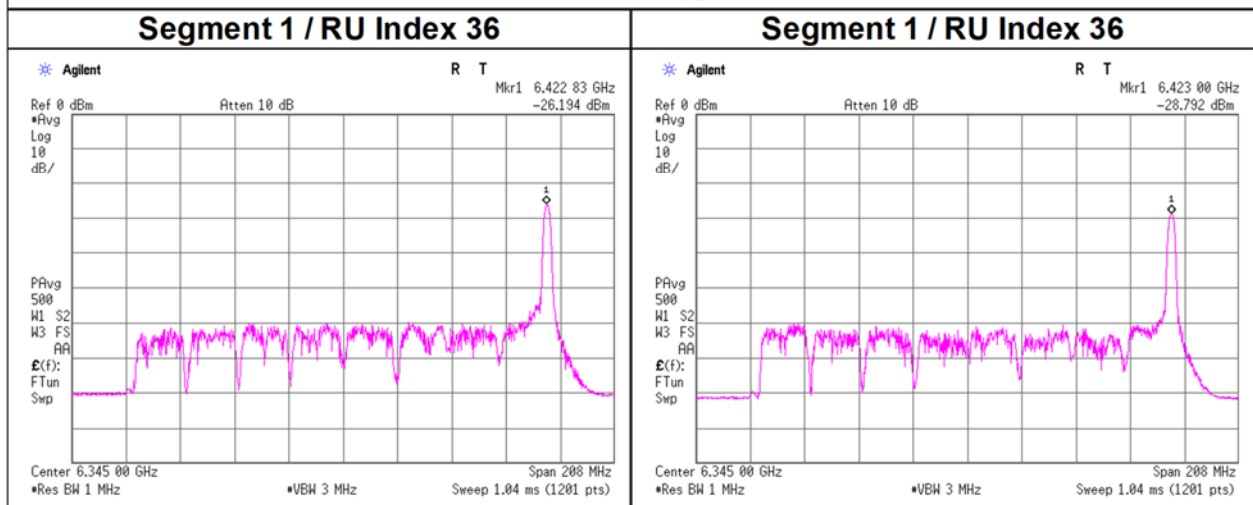
6025 MHz



6185 MHz

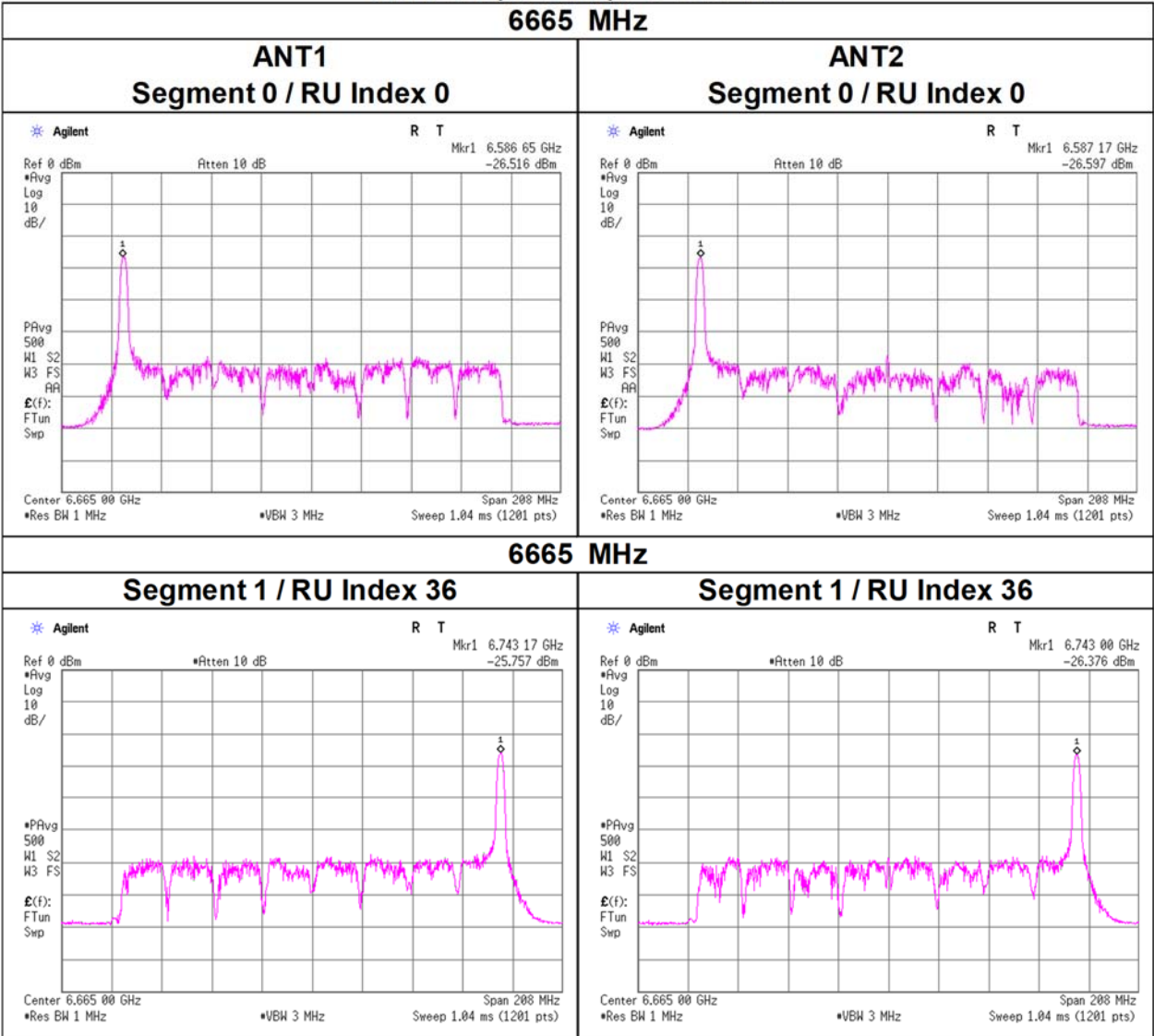


6345 MHz



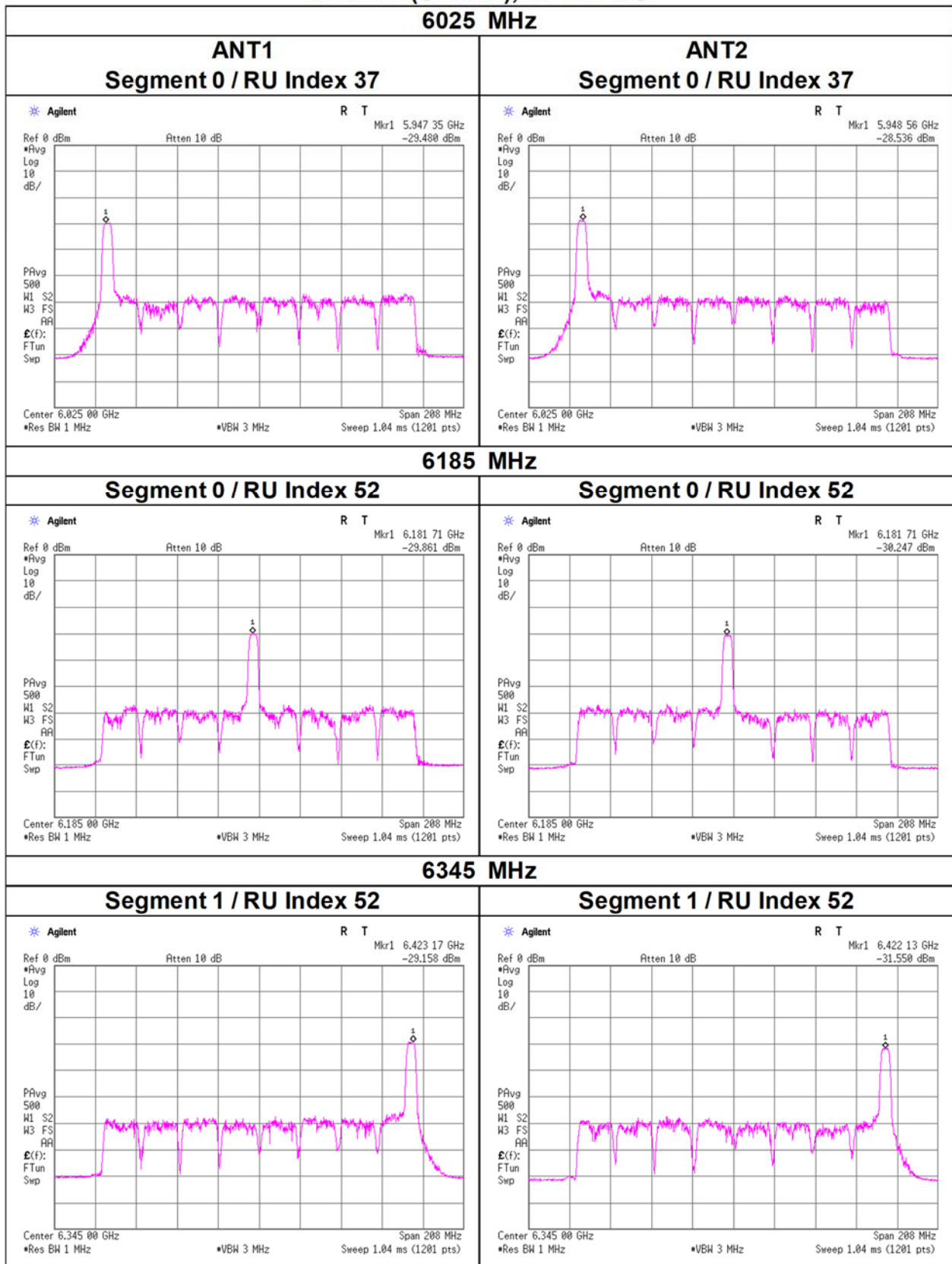
Maximum Power Spectral Density

11ax-160(OFDMA), 26-tone RU



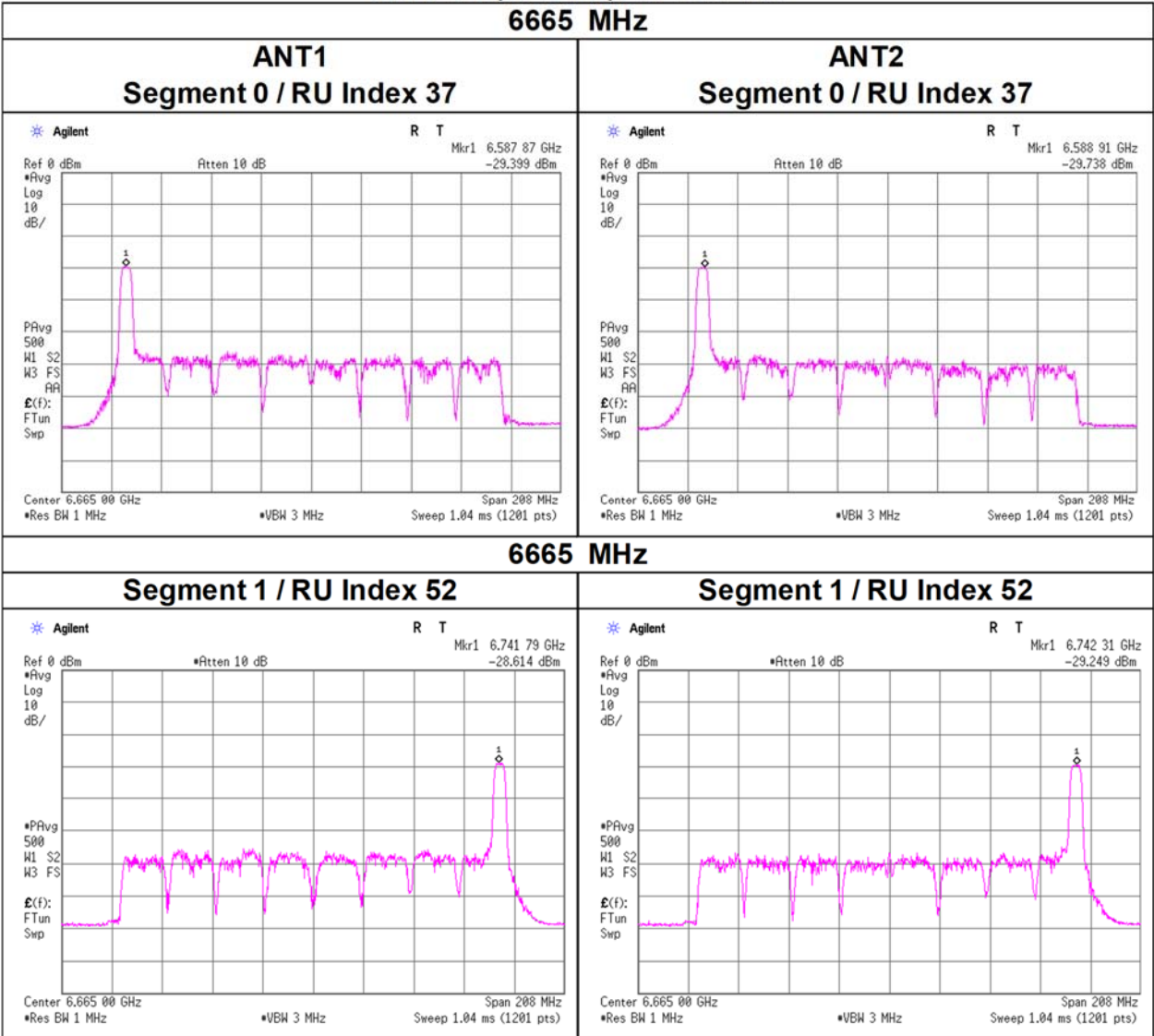
## Maximum Power Spectral Density

### 11ax-160(OFDMA), 52-tone RU



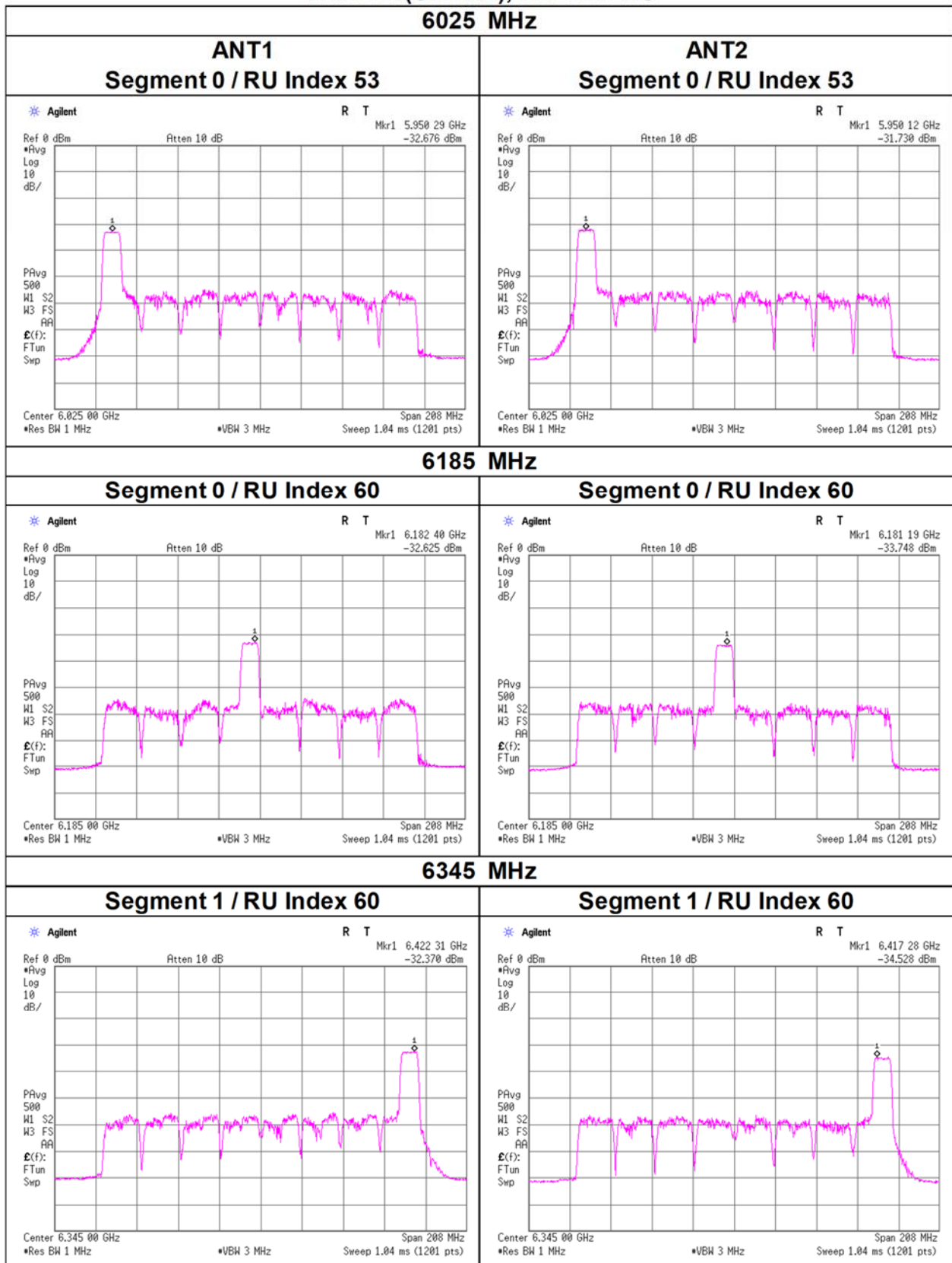
Maximum Power Spectral Density

11ax-160(OFDMA), 52-tone RU



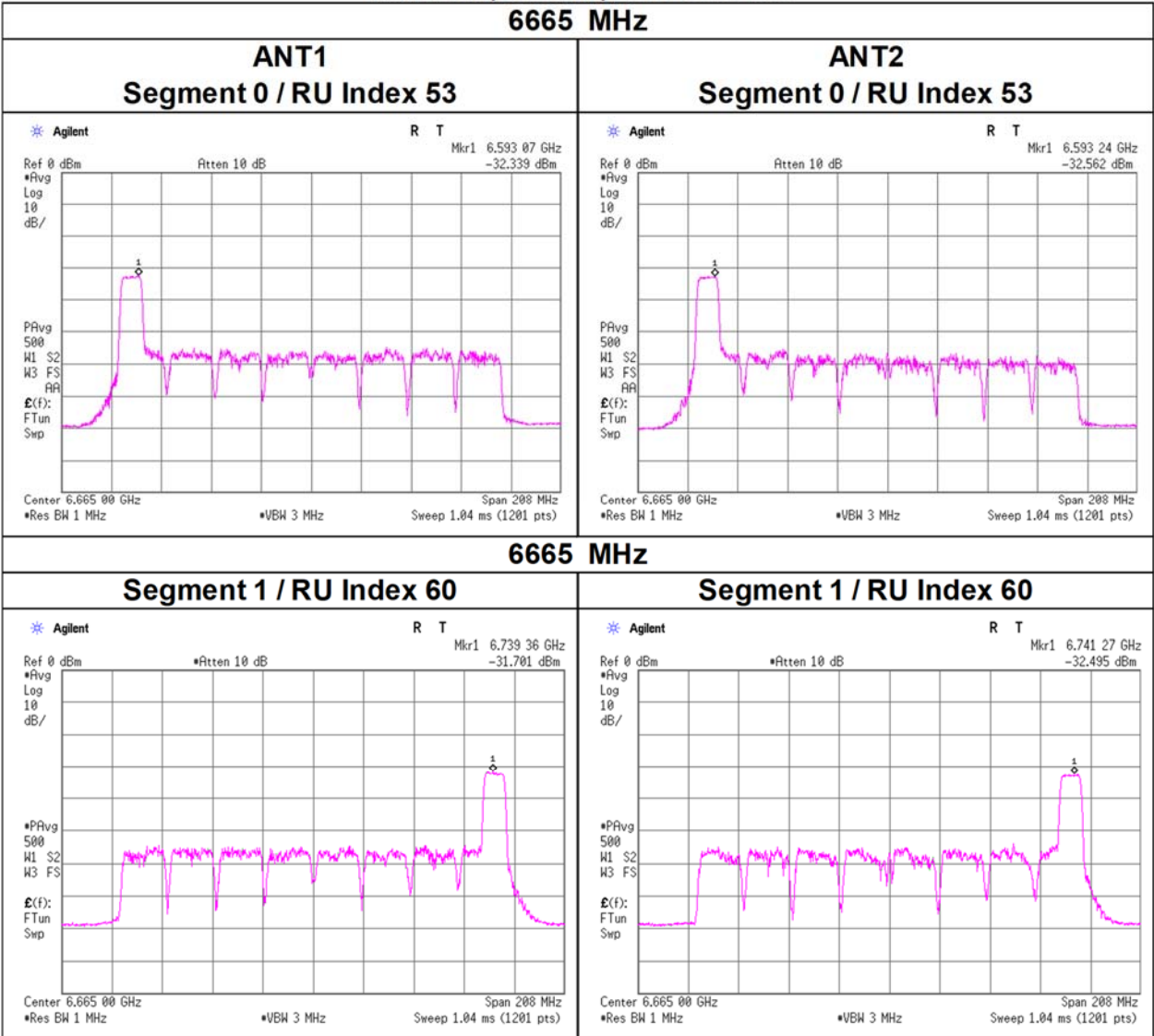
## Maximum Power Spectral Density

### 11ax-160(OFDMA), 106-tone RU



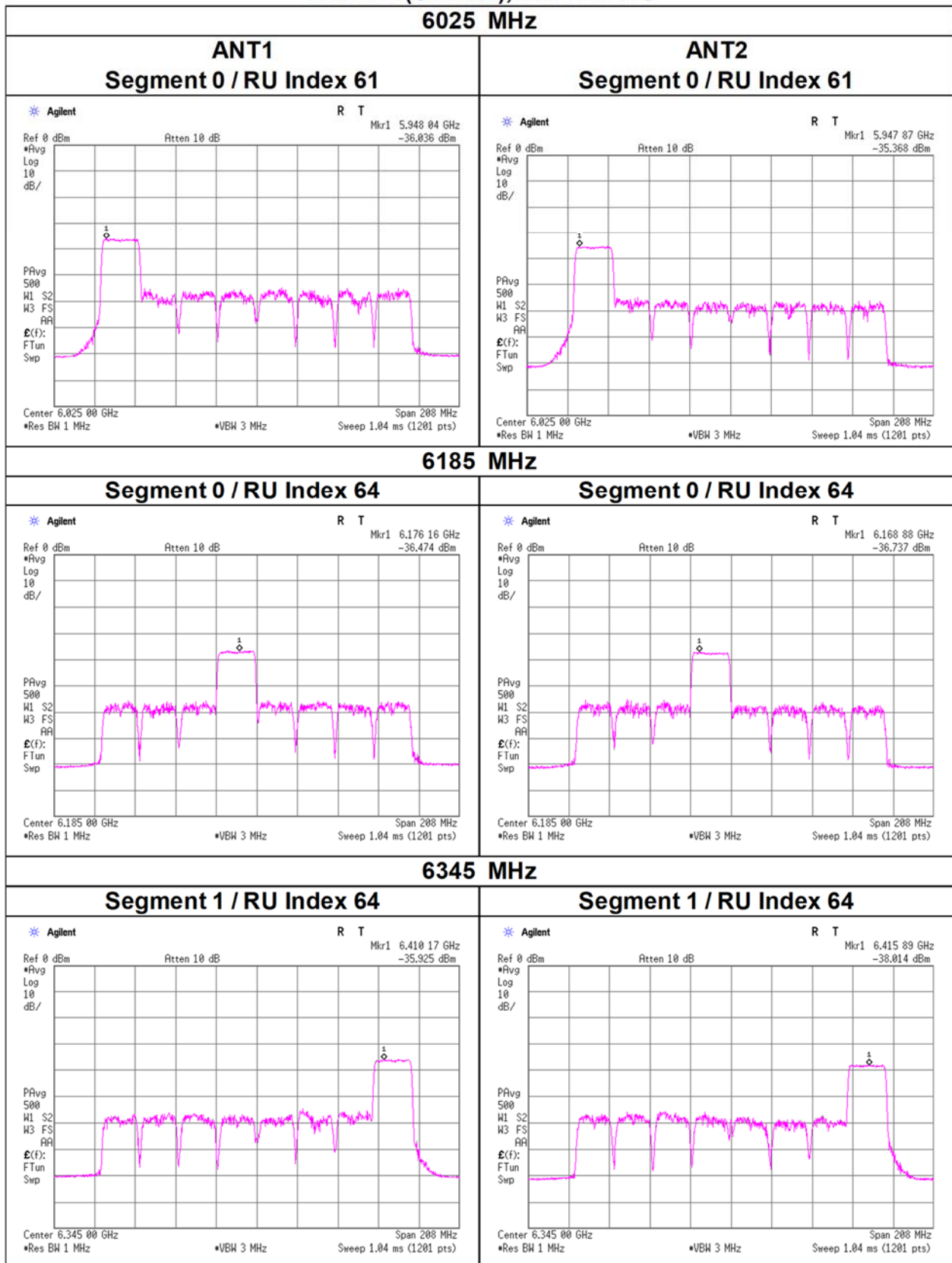
Maximum Power Spectral Density

11ax-160(OFDMA), 106-tone RU



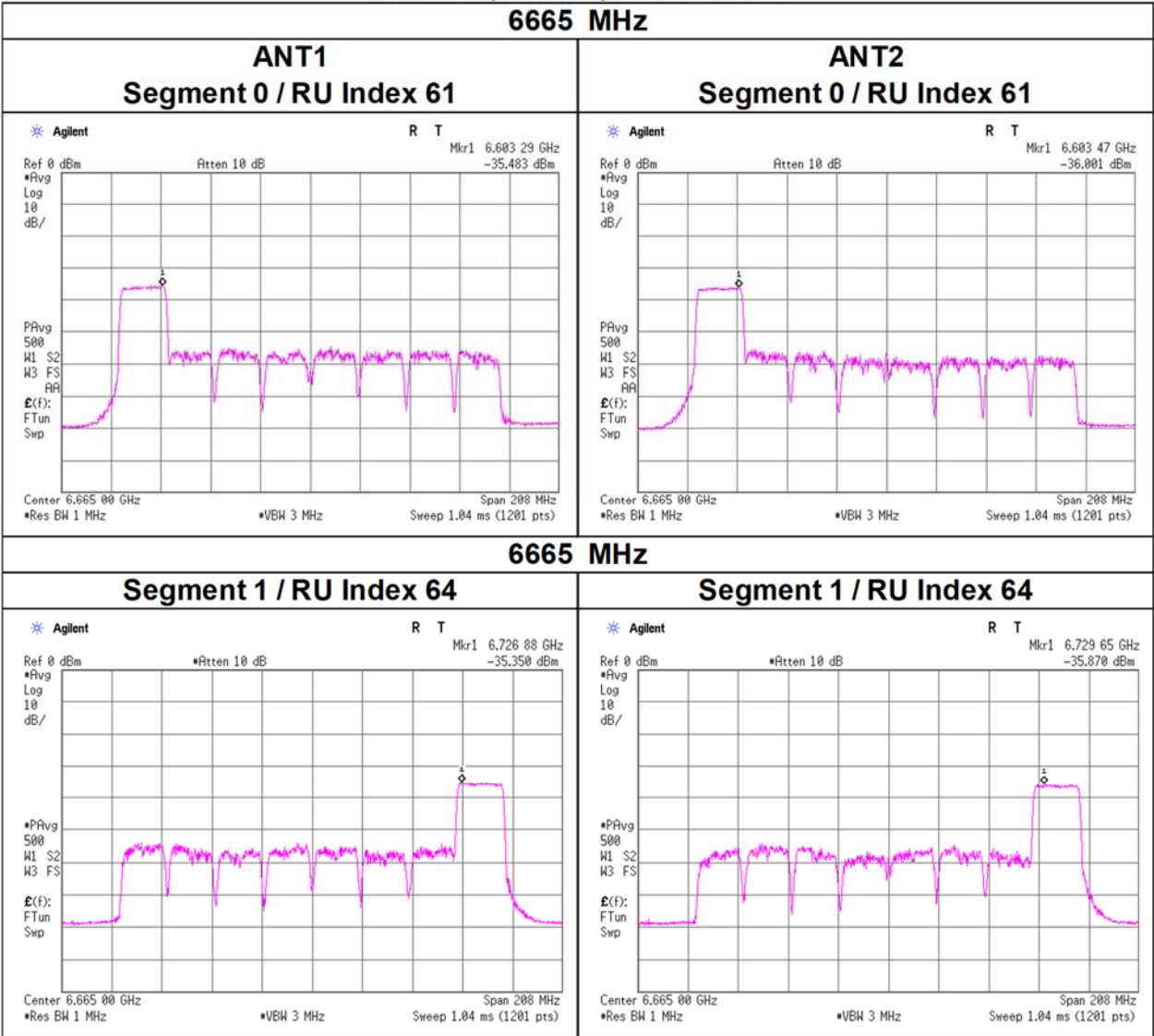
## Maximum Power Spectral Density

### 11ax-160(OFDMA), 242-tone RU



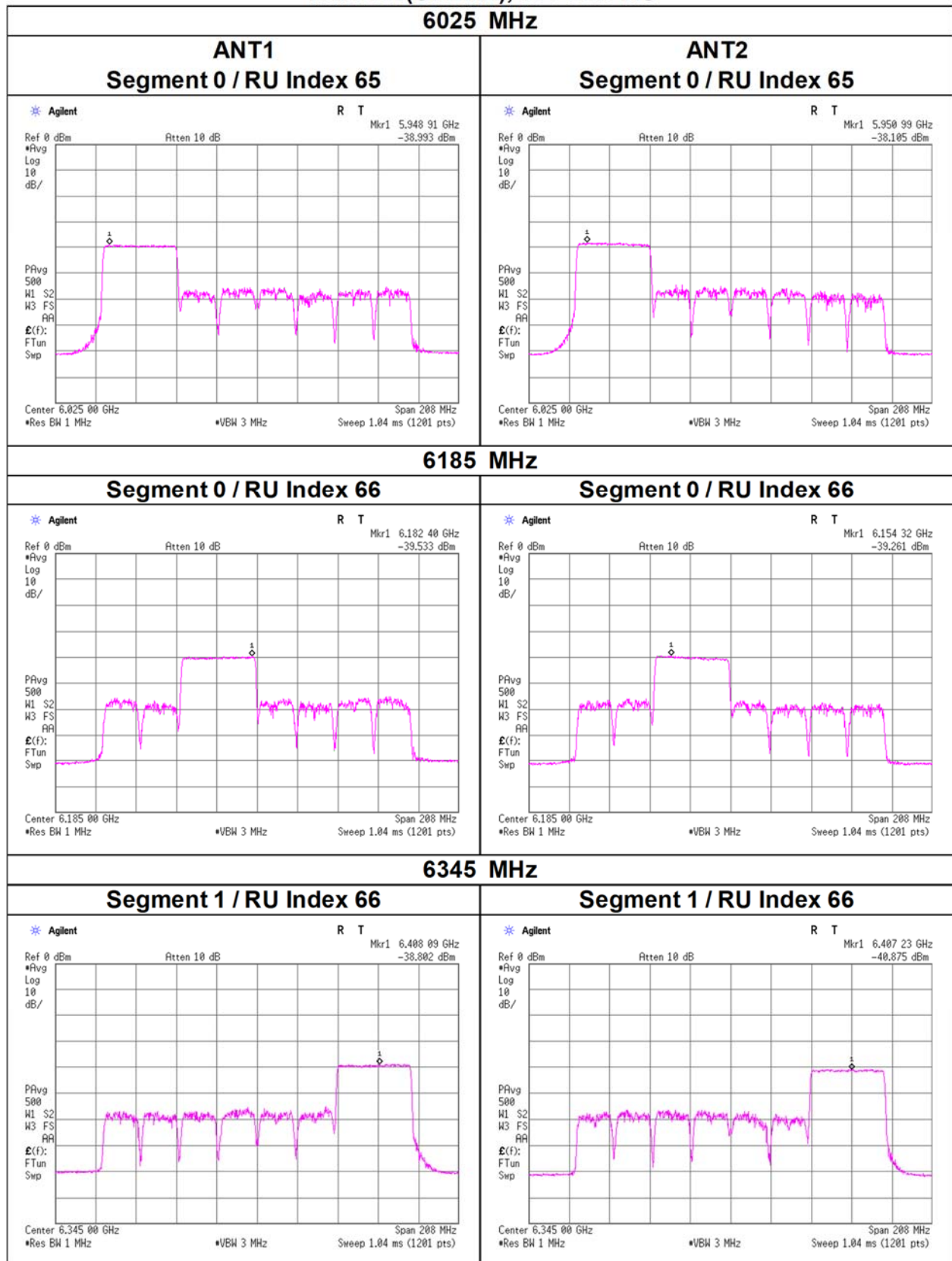
Maximum Power Spectral Density

11ax-160(OFDMA), 242-tone RU



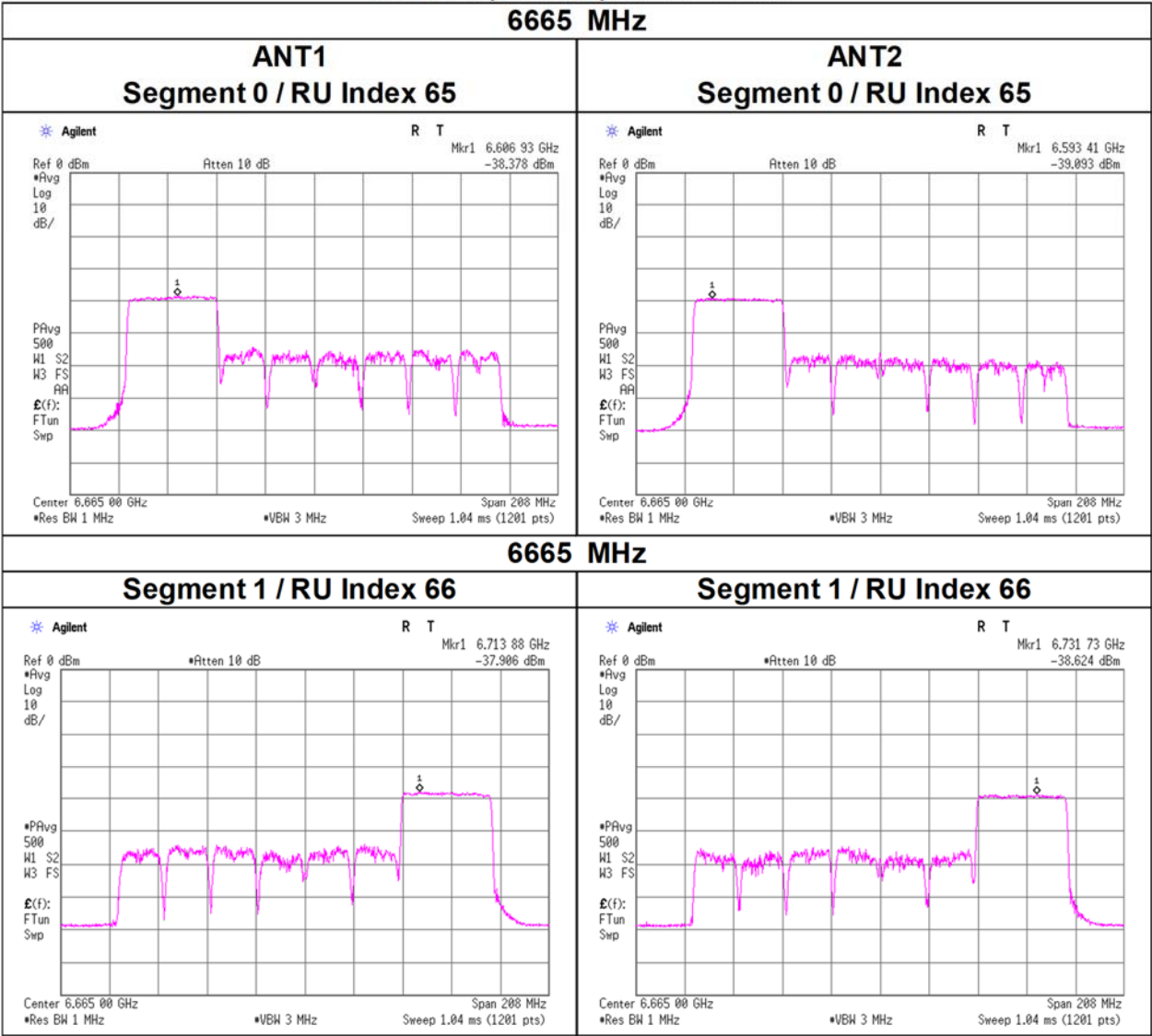
## Maximum Power Spectral Density

### 11ax-160(OFDMA), 484-tone RU



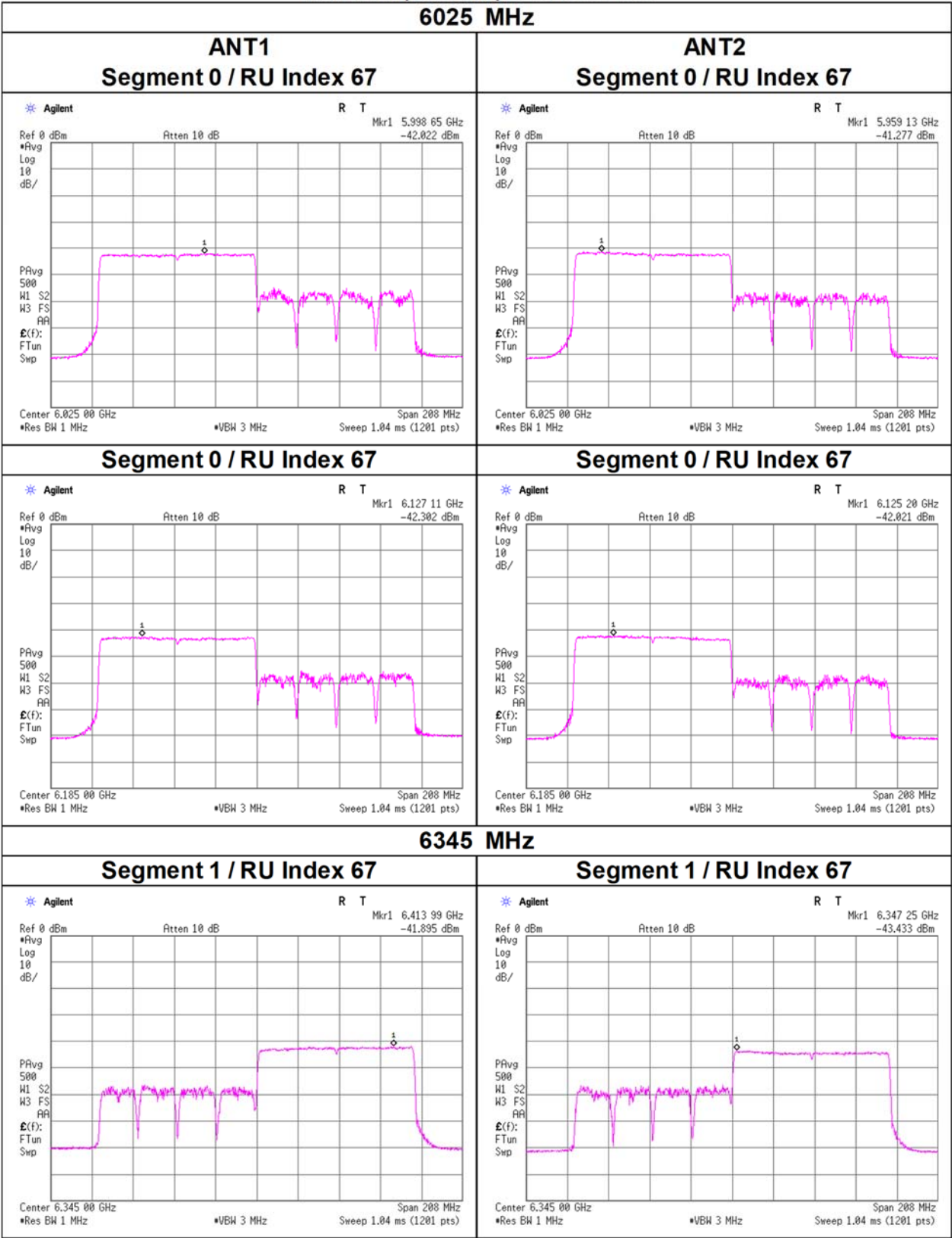
Maximum Power Spectral Density

11ax-160(OFDMA), 484-tone RU



Maximum Power Spectral Density

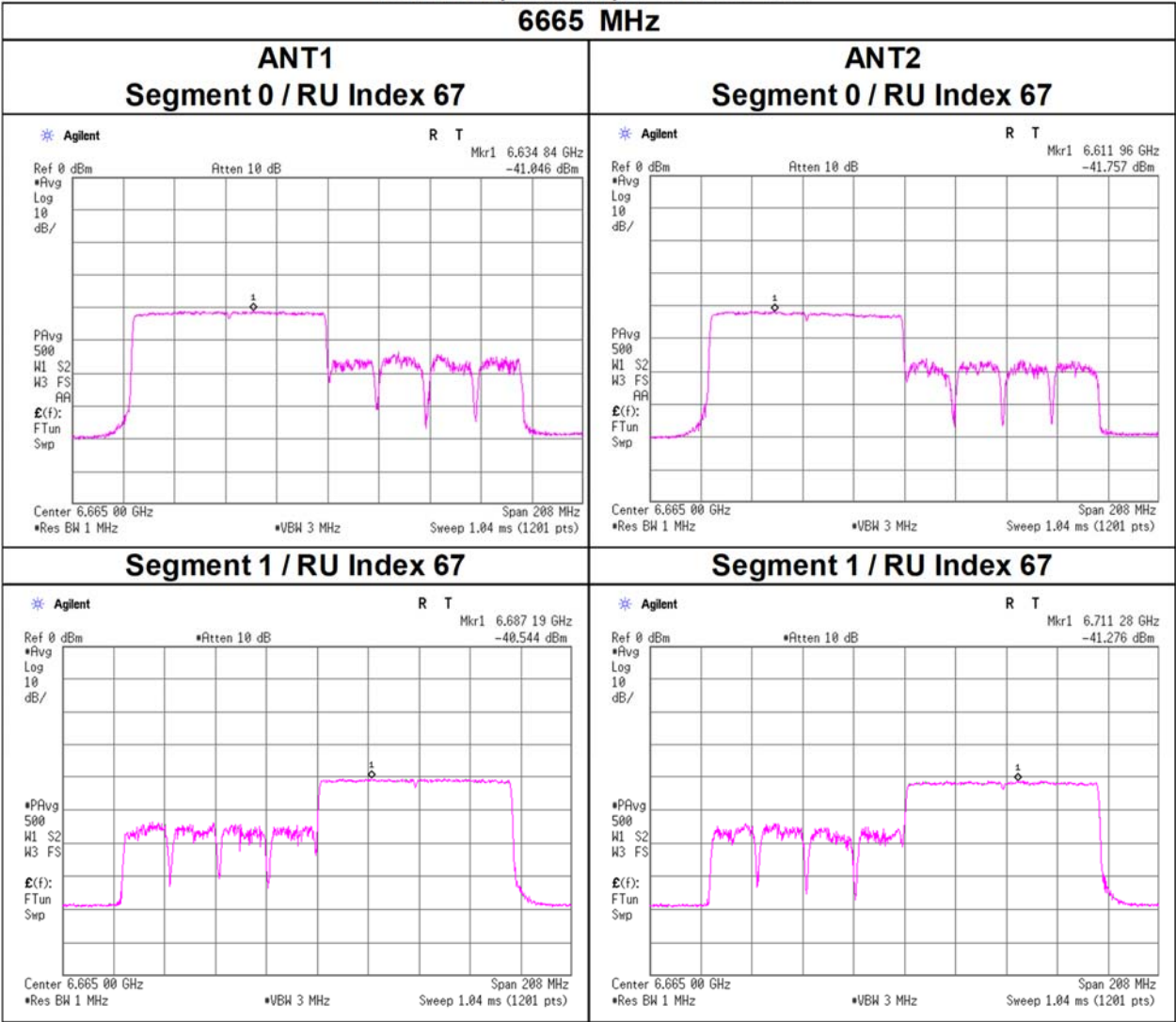
11ax-160(OFDMA), 996-tone RU



Maximum Power Spectral Density

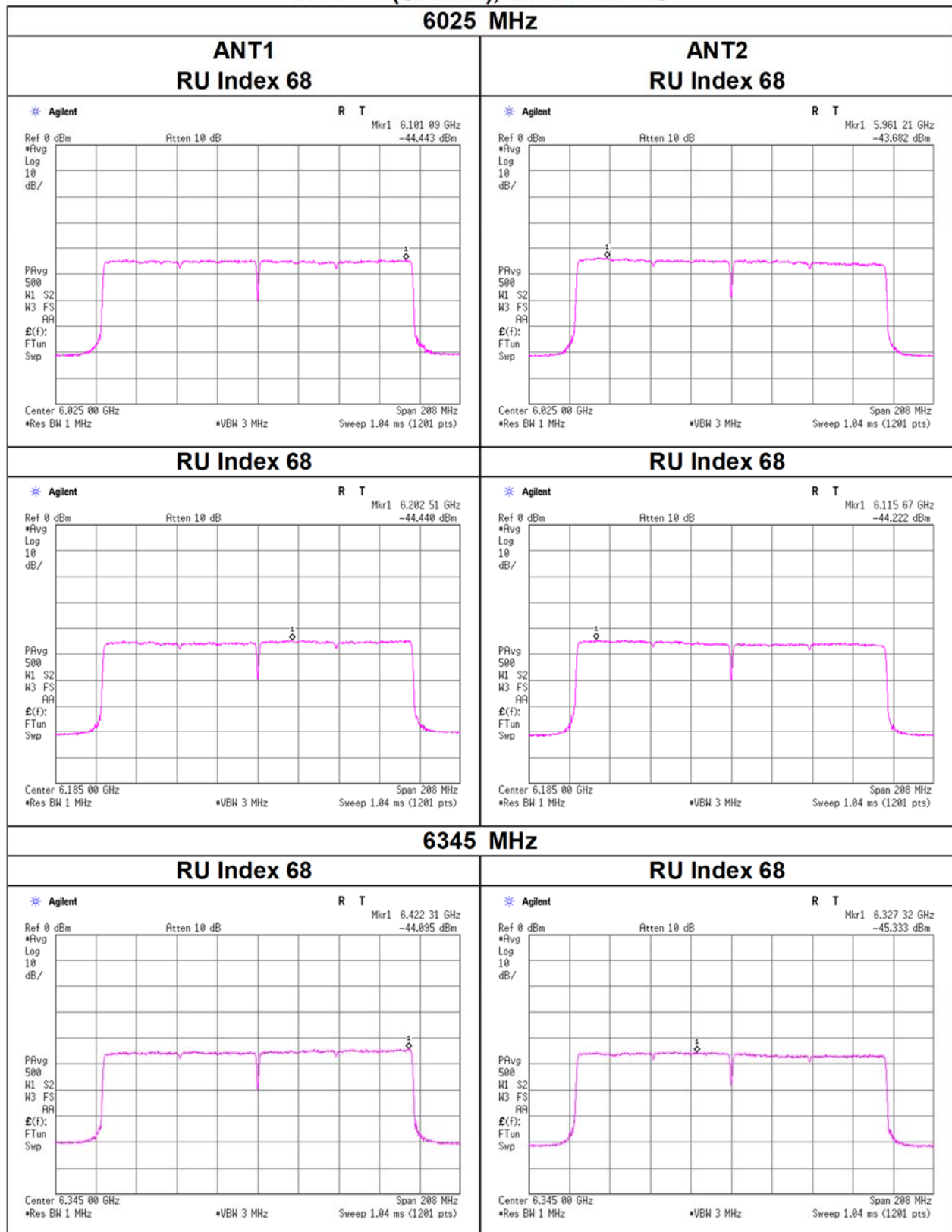
11ax-160(OFDMA), 996-tone RU

6665 MHz



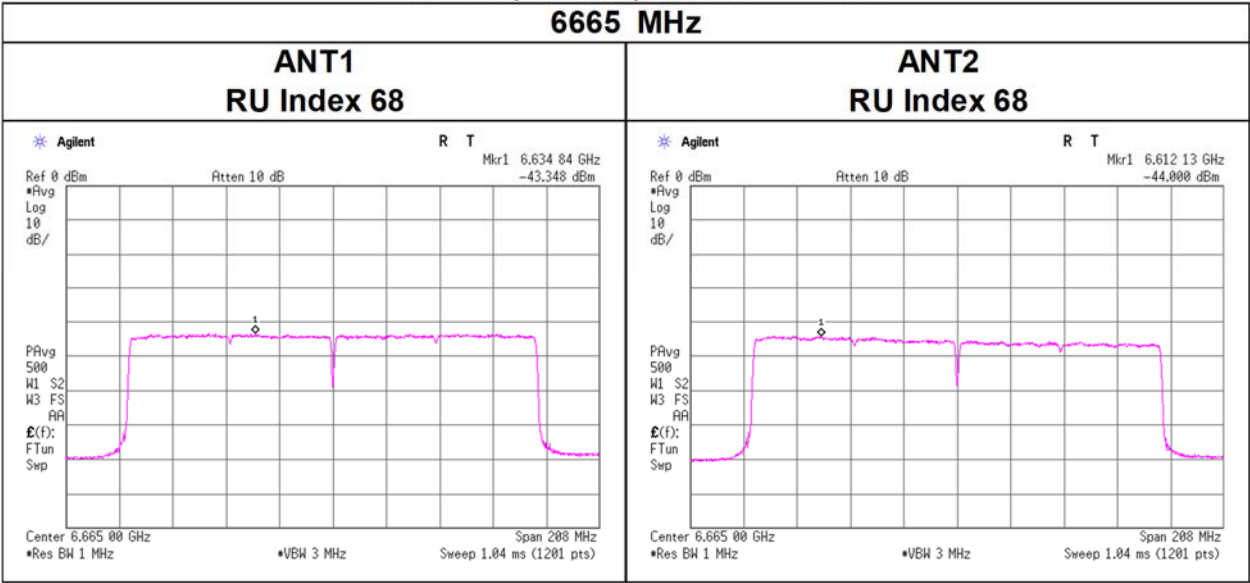
## Maximum Power Spectral Density

### 11ax-160(OFDMA), 2x996-tone RU



Maximum Power Spectral Density

11ax-160(OFDMA), 2x996-tone RU



## Radiated Spurious Emission

|      |                                 |
|------|---------------------------------|
| Mode | Tx 11ax-20(OFDM), MIMO 5955 MHz |
|------|---------------------------------|

| Date           | Test site | Temperature | Humidity | Engineer           | Measurement Range  |
|----------------|-----------|-------------|----------|--------------------|--------------------|
| March 01, 2025 | WAC2      | 20 deg. C   | 35 % RH  | Takayuki Kobayashi | 1 GHz to 10 GHz    |
| March 06, 2025 | WAC2      | 23 deg. C   | 40 % RH  | Yuta Shiba         | 10 GHz to 18 GHz   |
| March 07, 2025 | WAC2      | 21 deg. C   | 32 % RH  | Miku Ikudome       | 18 GHz to 26.5 GHz |
| March 10, 2025 | WAC2      | 23 deg. C   | 25 % RH  | Miku Ikudome       | 26.5 GHz to 40 GHz |

### (above 1 GHz Inside of the restricted band)

(\* PK: Peak, AV: Average, QP: Quasi-Peak)

| Polarity | Frequency [MHz] | Detector | Reading [dBuV] | Ant.Fac. [dB/m] | Loss [dB] | Gain [dB] | Distance Fac. [dB] | Result [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Height [cm] | Angle [deg.] | Remark      |
|----------|-----------------|----------|----------------|-----------------|-----------|-----------|--------------------|-----------------|----------------|-------------|-------------|--------------|-------------|
| Hori.    | 11910.000       | PK       | 48.78          | 38.03           | -31.54    | -         | -9.54              | 45.73           | 73.9           | 28.1        | 150         | 0            | Floor Noise |
| Hori.    | 17865.000       | PK       | 47.43          | 40.10           | -28.80    | -         | -9.54              | 49.19           | 73.9           | 24.7        | 150         | 0            | Floor Noise |
| Hori.    | 23820.000       | PK       | 47.13          | 40.11           | 13.53     | 46.73     | -9.54              | 44.50           | 73.9           | 29.4        | 155         | 255          | -           |
| Hori.    | 11910.000       | AV       | 36.93          | 38.03           | -31.54    | -         | -9.54              | 33.88           | 53.9           | 20.0        | 150         | 0            | Floor Noise |
| Hori.    | 17865.000       | AV       | 36.92          | 40.10           | -28.80    | -         | -9.54              | 38.68           | 53.9           | 15.2        | 150         | 0            | Floor Noise |
| Vert.    | 11910.000       | PK       | 48.02          | 38.03           | -31.54    | -         | -9.54              | 44.97           | 73.9           | 28.9        | 150         | 0            | Floor Noise |
| Vert.    | 17865.000       | PK       | 47.94          | 40.10           | -28.80    | -         | -9.54              | 49.70           | 73.9           | 24.2        | 150         | 0            | Floor Noise |
| Vert.    | 23820.000       | PK       | 47.02          | 40.11           | 13.53     | 46.73     | -9.54              | 44.39           | 73.9           | 29.5        | 157         | 237          | -           |
| Vert.    | 11910.000       | AV       | 36.91          | 38.03           | -31.54    | -         | -9.54              | 33.86           | 53.9           | 20.0        | 150         | 0            | Floor Noise |
| Vert.    | 17865.000       | AV       | 37.04          | 40.10           | -28.80    | -         | -9.54              | 38.80           | 53.9           | 15.1        | 150         | 0            | Floor Noise |

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Distance Fac.

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

Distance Fac.: 1 GHz to 10 GHz :  $20\log(3.87[m]/3.0[m]) = 2.22[dB]$

10 GHz to 40 GHz :  $20\log(1.00[m]/3.0[m]) = -9.54[dB]$

### Average measurement value with Duty Factor

| Polarity | Frequency [MHz] | Detector | Reading [dBuV] | Ant.Fac. [dB/m] | Loss [dB] | Gain [dB] | Duty Fac. [dB] | Distance Fac. [dB] | Result [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Remark |
|----------|-----------------|----------|----------------|-----------------|-----------|-----------|----------------|--------------------|-----------------|----------------|-------------|--------|
| Hori.    | 23820.000       | AV       | 41.94          | 40.11           | 13.53     | 46.73     | 0.19           | -9.54              | 39.50           | 53.9           | 14.4        | -      |
| Vert.    | 23820.000       | AV       | 41.40          | 40.11           | 13.53     | 46.73     | 0.19           | -9.54              | 38.96           | 53.9           | 14.9        | -      |

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) + Duty Fac. + Distance Fac.

Distance Fac.: 1 GHz to 10 GHz :  $20\log(3.87[m]/3.0[m]) = 2.22[dB]$

10 GHz to 40 GHz :  $20\log(1.00[m]/3.0[m]) = -9.54[dB]$

Duty factor refer to "Burst rate confirmation" sheet.

### (Calculation) (above 1 GHz Outside of the restricted band)

(\* PK: Peak, AV: Average, QP: Quasi-Peak)

| Polarity | Frequency [MHz] | Detector | Reading [dBuV] | Ant.Fac. [dB/m] | Loss [dB] | Gain [dB] | Duty Fac. [dB] | Distance Fac. [dB] | Result [dBuV/m] | Result (EIRP) [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [deg.] | Remark      |
|----------|-----------------|----------|----------------|-----------------|-----------|-----------|----------------|--------------------|-----------------|---------------------|-------------|-------------|-------------|--------------|-------------|
| Hori.    | 5925.000        | PK       | 46.88          | 33.10           | -26.85    | -         | -              | 2.22               | 55.35           | -39.88              | -7.0        | 32.8        | 390         | 357          | -           |
| Hori.    | 7940.000        | PK       | 46.55          | 37.13           | -25.09    | -         | -              | 2.22               | 60.81           | -34.42              | -7.0        | 27.4        | 150         | 0            | Floor Noise |
| Hori.    | 35730.000       | PK       | 50.90          | 43.59           | 19.89     | 61.58     | -              | -9.54              | 43.26           | -51.97              | -7.0        | 44.9        | 153         | 319          | -           |
| Hori.    | 5925.000        | AV       | 35.78          | 33.10           | -26.85    | -         | 0.19           | 2.22               | 44.44           | -50.79              | -27.0       | 23.7        | 390         | 357          | -           |
| Hori.    | 7940.000        | AV       | 35.85          | 37.13           | -25.09    | -         | -              | 2.22               | 50.11           | -45.12              | -27.0       | 18.1        | 150         | 0            | Floor Noise |
| Hori.    | 35730.000       | AV       | 40.89          | 43.59           | 19.89     | 61.58     | 0.19           | -9.54              | 33.44           | -61.79              | -27.0       | 34.7        | 153         | 319          | -           |
| Vert.    | 5925.000        | PK       | 47.36          | 33.10           | -26.85    | -         | -              | 2.22               | 55.83           | -39.40              | -7.0        | 32.4        | 343         | 8            | -           |
| Vert.    | 7940.000        | PK       | 46.73          | 37.13           | -25.09    | -         | -              | 2.22               | 60.99           | -34.24              | -7.0        | 27.2        | 150         | 0            | Floor Noise |
| Vert.    | 35730.000       | PK       | 50.53          | 43.59           | 19.89     | 61.58     | -              | -9.54              | 42.89           | -52.34              | -7.0        | 45.3        | 149         | 253          | -           |
| Vert.    | 5925.000        | AV       | 36.53          | 33.10           | -26.85    | -         | 0.19           | 2.22               | 45.19           | -50.04              | -27.0       | 23.0        | 343         | 8            | -           |
| Vert.    | 7940.000        | AV       | 35.89          | 37.13           | -25.09    | -         | -              | 2.22               | 50.15           | -45.08              | -27.0       | 18.0        | 150         | 0            | Floor Noise |
| Vert.    | 35730.000       | AV       | 40.30          | 43.59           | 19.89     | 61.58     | 0.19           | -9.54              | 32.85           | -62.38              | -27.0       | 35.3        | 149         | 253          | -           |

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Duty Fac. + Distance Fac.

Result (EIRP) [dBm] =  $10 * \text{LOG}((10^{(Result [dBuV/m]/20)} * 10^{(-6)} * \text{Distance} [3[m]]^2 / 30 * 10^{(-3)}))$

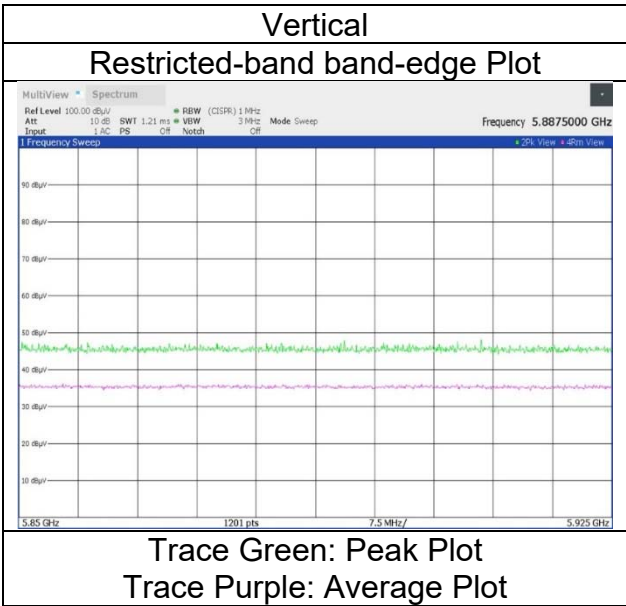
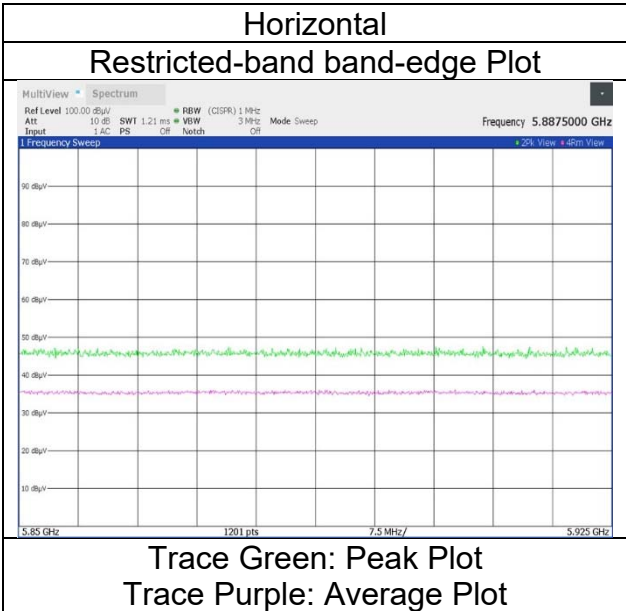
\*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance Fac.: 1 GHz to 10 GHz :  $20\log(3.87[m]/3.0[m]) = 2.22[dB]$

10 GHz to 40 GHz :  $20\log(1.00[m]/3.0[m]) = -9.54[dB]$

**Radiated Spurious Emission**

|                |                                 |             |          |                    |                   |
|----------------|---------------------------------|-------------|----------|--------------------|-------------------|
| Mode           | Tx 11ax-20(OFDM), MIMO 5955 MHz |             |          |                    |                   |
| Date           | Test site                       | Temperature | Humidity | Engineer           | Measurement Range |
| March 01, 2025 | WAC2                            | 20 deg. C   | 35 % RH  | Takayuki Kobayashi | 1 GHz to 10 GHz   |



\* 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

|      |                                 |
|------|---------------------------------|
| Mode | Tx 11ax-20(OFDM), MIMO 6195 MHz |
|------|---------------------------------|

| Date           | Test site | Temperature | Humidity | Engineer           | Measurement Range  |
|----------------|-----------|-------------|----------|--------------------|--------------------|
| March 01, 2025 | WAC2      | 20 deg. C   | 35 % RH  | Takayuki Kobayashi | 1 GHz to 10 GHz    |
| March 06, 2025 | WAC2      | 23 deg. C   | 40 % RH  | Yuta Shiba         | 10 GHz to 18 GHz   |
| March 07, 2025 | WAC2      | 21 deg. C   | 32 % RH  | Miku Ikudome       | 18 GHz to 26.5 GHz |
| March 10, 2025 | WAC2      | 23 deg. C   | 25 % RH  | Miku Ikudome       | 26.5 GHz to 40 GHz |

### (above 1 GHz Inside of the restricted band)

(\* PK: Peak, AV: Average, QP: Quasi-Peak)

| Polarity | Frequency [MHz] | Detector | Reading [dBuV] | Ant.Fac. [dB/m] | Loss [dB] | Gain [dB] | Distance Fac. [dB] | Result [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Height [cm] | Angle [deg.] | Remark      |
|----------|-----------------|----------|----------------|-----------------|-----------|-----------|--------------------|-----------------|----------------|-------------|-------------|--------------|-------------|
| Hori.    | 8260.000        | PK       | 48.09          | 37.30           | -32.81    | -         | 2.22               | 54.80           | 73.9           | 19.1        | 400         | 71           | -           |
| Hori.    | 12390.000       | PK       | 48.00          | 37.87           | -31.23    | -         | -9.54              | 45.10           | 73.9           | 28.8        | 150         | 0            | Floor Noise |
| Hori.    | 18585.000       | PK       | 43.64          | 40.07           | 11.88     | 48.20     | -9.54              | 37.85           | 73.9           | 36.0        | 150         | 0            | Floor Noise |
| Hori.    | 12390.000       | AV       | 36.89          | 37.87           | -31.23    | -         | -9.54              | 33.99           | 53.9           | 19.9        | 150         | 0            | Floor Noise |
| Hori.    | 18585.000       | AV       | 32.73          | 40.07           | 11.88     | 48.20     | -9.54              | 26.94           | 53.9           | 26.9        | 150         | 0            | Floor Noise |
| Vert.    | 8260.000        | PK       | 47.73          | 37.30           | -32.81    | -         | 2.22               | 54.44           | 73.9           | 19.4        | 392         | 183          | -           |
| Vert.    | 12390.000       | PK       | 48.05          | 37.87           | -31.23    | -         | -9.54              | 45.15           | 73.9           | 28.7        | 150         | 0            | Floor Noise |
| Vert.    | 18585.000       | PK       | 43.77          | 40.07           | 11.88     | 48.20     | -9.54              | 37.98           | 73.9           | 35.9        | 150         | 0            | Floor Noise |
| Vert.    | 12390.000       | AV       | 37.06          | 37.87           | -31.23    | -         | -9.54              | 34.16           | 53.9           | 19.7        | 150         | 0            | Floor Noise |
| Vert.    | 18585.000       | AV       | 32.70          | 40.07           | 11.88     | 48.20     | -9.54              | 26.91           | 53.9           | 26.9        | 150         | 0            | Floor Noise |

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz)) - Gain(Amp) (1 GHz to 18 GHz) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Distance Fac.

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

Distance Fac.: 1 GHz to 10 GHz : 20log (3.87 [m] / 3.0 [m]) = 2.22 [dB]

10 GHz to 40 GHz : 20log (1.00 [m] / 3.0 [m]) = -9.54 [dB]

### Average measurement value with Duty Factor

| Polarity | Frequency [MHz] | Detector | Reading [dBuV] | Ant.Fac. [dB/m] | Loss [dB] | Gain [dB] | Duty Fac. [dB] | Distance Fac. [dB] | Result [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Remark |
|----------|-----------------|----------|----------------|-----------------|-----------|-----------|----------------|--------------------|-----------------|----------------|-------------|--------|
| Hori.    | 8260.000        | AV       | 38.62          | 37.30           | -32.81    | -         | 0.19           | 2.22               | 45.52           | 53.9           | 8.3         | *2)    |
| Vert.    | 8260.000        | AV       | 38.12          | 37.30           | -32.81    | -         | 0.19           | 2.22               | 45.02           | 53.9           | 8.8         | *2)    |

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz)) - Gain(Amp) (1 GHz to 18 GHz) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Duty Fac. + Distance Fac.

Distance Fac.: 1 GHz to 10 GHz : 20log (3.87 [m] / 3.0 [m]) = 2.22 [dB]

10 GHz to 40 GHz : 20log (1.00 [m] / 3.0 [m]) = -9.54 [dB]

Duty factor refer to "Burst rate confirmation" sheet.

\*2) Noise synchronized with duty of carrier frequency.

### (Calculation) (above 1 GHz Outside of the restricted band)

(\* PK: Peak, AV: Average, QP: Quasi-Peak)

| Polarity | Frequency [MHz] | Detector | Reading [dBuV] | Ant.Fac. [dB/m] | Loss [dB] | Gain [dB] | Duty Fac. [dB] | Distance Fac. [dB] | Result [dBuV/m] | Result (EIRP) [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [deg.] | Remark |
|----------|-----------------|----------|----------------|-----------------|-----------|-----------|----------------|--------------------|-----------------|---------------------|-------------|-------------|-------------|--------------|--------|
| Hori.    | 24780.000       | PK       | 47.32          | 40.24           | 13.93     | 46.82     | -              | -9.54              | 45.13           | -50.10              | -7.0        | 43.1        | 155         | 288          | -      |
| Hori.    | 37170.000       | PK       | 51.23          | 44.13           | 20.38     | 63.58     | -              | -9.54              | 42.62           | -52.61              | -7.0        | 45.6        | 153         | 316          | -      |
| Hori.    | 24780.000       | AV       | 41.35          | 40.24           | 13.93     | 46.82     | 0.19           | -9.54              | 39.35           | -55.88              | -27.0       | 28.8        | 155         | 288          | -      |
| Hori.    | 37170.000       | AV       | 41.04          | 44.13           | 20.38     | 63.58     | 0.19           | -9.54              | 32.62           | -62.61              | -27.0       | 35.6        | 153         | 316          | -      |
| Vert.    | 24780.000       | PK       | 46.97          | 40.24           | 13.93     | 46.82     | -              | -9.54              | 44.78           | -50.45              | -7.0        | 43.4        | 161         | 253          | -      |
| Vert.    | 37170.000       | PK       | 51.05          | 44.13           | 20.38     | 63.58     | -              | -9.54              | 42.44           | -52.79              | -7.0        | 45.7        | 147         | 257          | -      |
| Vert.    | 24780.000       | AV       | 40.84          | 40.24           | 13.93     | 46.82     | 0.19           | -9.54              | 38.84           | -56.39              | -27.0       | 29.3        | 161         | 253          | -      |
| Vert.    | 37170.000       | AV       | 40.83          | 44.13           | 20.38     | 63.58     | 0.19           | -9.54              | 32.41           | -62.82              | -27.0       | 35.8        | 147         | 257          | -      |

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz)) - Gain(Amp) + Duty Fac. + Distance Fac.

Result (EIRP) [dBm] = 10 \* LOG ( (10 ^ (Result [dBuV/m] / 20) ) \* 10 ^ (-6) \* Distance : 3 [m] ) ^ 2 / 30 \* 10 ^ 3)

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

Distance Fac.: 1 GHz to 10 GHz : 20log (3.87 [m] / 3.0 [m]) = 2.22 [dB]

10 GHz to 40 GHz : 20log (1.00 [m] / 3.0 [m]) = -9.54 [dB]

## Radiated Spurious Emission

|      |                                 |
|------|---------------------------------|
| Mode | Tx 11ax-20(OFDM), MIMO 6415 MHz |
|------|---------------------------------|

| Date           | Test site | Temperature | Humidity | Engineer           | Measurement Range  |
|----------------|-----------|-------------|----------|--------------------|--------------------|
| March 01, 2025 | WAC2      | 20 deg. C   | 35 % RH  | Takayuki Kobayashi | 1 GHz to 10 GHz    |
| March 06, 2025 | WAC2      | 23 deg. C   | 40 % RH  | Yuta Shiba         | 10 GHz to 18 GHz   |
| March 07, 2025 | WAC2      | 21 deg. C   | 32 % RH  | Miku Ikudome       | 18 GHz to 26.5 GHz |
| March 10, 2025 | WAC2      | 23 deg. C   | 25 % RH  | Miku Ikudome       | 26.5 GHz to 40 GHz |

### (above 1 GHz Inside of the restricted band)

(\* PK: Peak, AV: Average, QP: Quasi-Peak)

| Polarity | Frequency | Detector | Reading | Ant.Fac. | Loss  | Gain  | Distance Fac. | Result   | Limit    | Margin | Height | Angle  | Remark      |
|----------|-----------|----------|---------|----------|-------|-------|---------------|----------|----------|--------|--------|--------|-------------|
|          | [MHz]     |          | [dBuV]  | [dB/m]   | [dB]  | [dB]  | [dB]          | [dBuV/m] | [dBuV/m] | [dB]   | [cm]   | [deg.] |             |
| Hori.    | 19245.000 | PK       | 32.14   | 40.36    | 12.15 | 47.97 | -9.54         | 27.14    | 73.9     | 46.7   | 150    | 0      | Floor Noise |
| Hori.    | 19245.000 | AV       | 43.27   | 40.36    | 12.15 | 47.97 | -9.54         | 38.27    | 53.9     | 15.6   | 150    | 0      | Floor Noise |
| Vert.    | 19245.000 | PK       | 32.16   | 40.36    | 12.15 | 47.97 | -9.54         | 27.16    | 73.9     | 46.7   | 150    | 0      | Floor Noise |
| Vert.    | 19245.000 | AV       | 43.35   | 40.36    | 12.15 | 47.97 | -9.54         | 38.35    | 53.9     | 15.5   | 150    | 0      | Floor Noise |

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz)) - Gain(Amp) + Distance Fac.

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

Distance Fac.: 1 GHz to 10 GHz :  $20\log(3.87[m]/3.0[m]) = 2.22[dB]$

10 GHz to 40 GHz :  $20\log(1.00[m]/3.0[m]) = -9.54[dB]$

### (Calculation) (above 1 GHz Outside of the restricted band)

(\* PK: Peak, AV: Average, QP: Quasi-Peak)

| Polarity | Frequency | Detector | Reading | Ant.Fac. | Loss   | Gain  | Duty Fac. | Distance Fac. | Result   | Result (EIRP) | Limit | Margin | Height | Angle  | Remark      |
|----------|-----------|----------|---------|----------|--------|-------|-----------|---------------|----------|---------------|-------|--------|--------|--------|-------------|
|          | [MHz]     |          | [dBuV]  | [dB/m]   | [dB]   | [dB]  | [dB]      | [dB]          | [dBuV/m] | [dBm]         | [dBm] | [dB]   | [cm]   | [deg.] |             |
| Hori.    | 12830.000 | PK       | 47.61   | 38.25    | -31.08 | -     | -         | -9.54         | 45.24    | -49.99        | -7.0  | 42.9   | 150    | 0      | Floor Noise |
| Hori.    | 25660.000 | PK       | 45.92   | 40.68    | 14.16  | 46.88 | -         | -9.54         | 44.34    | -50.89        | -7.0  | 43.8   | 140    | 213    | -           |
| Hori.    | 38490.000 | PK       | 53.46   | 43.95    | 20.89  | 64.59 | -         | -9.54         | 44.17    | -51.06        | -7.0  | 44.0   | 159    | 262    | -           |
| Hori.    | 12830.000 | AV       | 37.11   | 38.25    | -31.08 | -     | -         | -9.54         | 34.74    | -60.49        | -27.0 | 33.4   | 150    | 0      | Floor Noise |
| Hori.    | 25660.000 | AV       | 38.86   | 40.68    | 14.16  | 46.88 | 0.19      | -9.54         | 37.47    | -57.76        | -27.0 | 30.7   | 140    | 213    | -           |
| Hori.    | 38490.000 | AV       | 44.84   | 43.95    | 20.89  | 64.59 | 0.19      | -9.54         | 35.74    | -59.49        | -27.0 | 32.4   | 159    | 262    | -           |
| Vert.    | 12830.000 | PK       | 47.51   | 38.25    | -31.08 | -     | -         | -9.54         | 45.14    | -50.09        | -7.0  | 43.0   | 150    | 0      | Floor Noise |
| Vert.    | 25660.000 | PK       | 46.77   | 40.68    | 14.16  | 46.88 | -         | -9.54         | 45.19    | -50.04        | -7.0  | 43.0   | 143    | 238    | -           |
| Vert.    | 38490.000 | PK       | 52.96   | 43.95    | 20.89  | 64.59 | -         | -9.54         | 43.67    | -51.56        | -7.0  | 44.5   | 151    | 253    | -           |
| Vert.    | 12830.000 | AV       | 37.32   | 38.25    | -31.08 | -     | -         | -9.54         | 34.95    | -60.28        | -27.0 | 33.2   | 150    | 0      | Floor Noise |
| Vert.    | 25660.000 | AV       | 39.69   | 40.68    | 14.16  | 46.88 | 0.19      | -9.54         | 38.30    | -56.93        | -27.0 | 29.9   | 143    | 238    | -           |
| Vert.    | 38490.000 | AV       | 44.24   | 43.95    | 20.89  | 64.59 | 0.19      | -9.54         | 35.14    | -60.09        | -27.0 | 33.0   | 151    | 253    | -           |

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Duty Fac. + Distance Fac.

Result (EIRP) [dBm] =  $10 * \log((10^{\wedge}(\text{Result [dBuV/m]} / 20)) * 10^{\wedge}(-6) * \text{Distance} : 3[m])^{\wedge}2 / 30 * 10^{\wedge}3)$

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

Distance Fac.: 1 GHz to 10 GHz :  $20\log(3.87[m]/3.0[m]) = 2.22[dB]$

10 GHz to 40 GHz :  $20\log(1.00[m]/3.0[m]) = -9.54[dB]$

## Radiated Spurious Emission

|      |                                 |
|------|---------------------------------|
| Mode | Tx 11ax-20(OFDM), MIMO 6535 MHz |
|------|---------------------------------|

| Date           | Test site | Temperature | Humidity | Engineer           | Measurement Range  |
|----------------|-----------|-------------|----------|--------------------|--------------------|
| March 01, 2025 | WAC2      | 20 deg. C   | 35 % RH  | Takayuki Kobayashi | 1 GHz to 10 GHz    |
| March 06, 2025 | WAC2      | 23 deg. C   | 40 % RH  | Yuta Shiba         | 10 GHz to 18 GHz   |
| March 07, 2025 | WAC2      | 21 deg. C   | 32 % RH  | Miku Ikudome       | 18 GHz to 26.5 GHz |
| March 10, 2025 | WAC2      | 23 deg. C   | 25 % RH  | Miku Ikudome       | 26.5 GHz to 40 GHz |

### (above 1 GHz Inside of the restricted band)

(\* PK: Peak, AV: Average, QP: Quasi-Peak)

| Polarity | Frequency | Detector | Reading | Ant.Fac. | Loss  | Gain  | Distance Fac. | Result   | Limit    | Margin | Height | Angle  | Remark      |
|----------|-----------|----------|---------|----------|-------|-------|---------------|----------|----------|--------|--------|--------|-------------|
|          | [MHz]     |          | [dBuV]  | [dB/m]   | [dB]  | [dB]  | [dB]          | [dBuV/m] | [dBuV/m] | [dB]   | [cm]   | [deg.] |             |
| Hori.    | 19605.000 | PK       | 42.84   | 40.24    | 12.26 | 47.68 | -9.54         | 38.12    | 73.9     | 35.7   | 150    | 0      | Floor Noise |
| Hori.    | 39210.000 | PK       | 53.33   | 43.99    | 21.07 | 63.93 | -9.54         | 44.92    | 73.9     | 28.9   | 165    | 229    | -           |
| Hori.    | 19605.000 | AV       | 31.74   | 40.24    | 12.26 | 47.68 | -9.54         | 27.02    | 53.9     | 26.8   | 150    | 0      | Floor Noise |
| Vert.    | 19605.000 | PK       | 42.87   | 40.24    | 12.26 | 47.68 | -9.54         | 38.15    | 73.9     | 35.7   | 150    | 0      | Floor Noise |
| Vert.    | 39210.000 | PK       | 52.85   | 43.99    | 21.07 | 63.93 | -9.54         | 44.44    | 73.9     | 29.4   | 156    | 253    | -           |
| Vert.    | 19605.000 | AV       | 31.65   | 40.24    | 12.26 | 47.68 | -9.54         | 26.93    | 53.9     | 26.9   | 150    | 0      | Floor Noise |

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz)) - Gain(Amp) + Distance Fac.

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

Distance Fac. : 1 GHz to 10 GHz :  $20\log(3.87[m]/3.0[m]) = 2.22[dB]$

10 GHz to 40 GHz :  $20\log(1.00[m]/3.0[m]) = -9.54[dB]$

### Average measurement value with Duty Factor

| Polarity | Frequency | Detector | Reading | Ant.Fac. | Loss  | Gain  | Duty Fac. | Distance Fac. | Result   | Limit    | Margin | Remark |
|----------|-----------|----------|---------|----------|-------|-------|-----------|---------------|----------|----------|--------|--------|
|          | [MHz]     |          | [dBuV]  | [dB/m]   | [dB]  | [dB]  | [dB]      | [dB]          | [dBuV/m] | [dBuV/m] | [dB]   |        |
| Hori.    | 39210.000 | AV       | 44.95   | 43.99    | 21.07 | 63.93 | 0.19      | -9.54         | 36.73    | 53.9     | 17.1   | -      |
| Vert.    | 39210.000 | AV       | 44.21   | 43.99    | 21.07 | 63.93 | 0.19      | -9.54         | 35.99    | 53.9     | 17.9   | -      |

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz)) - Gain(Amp) + Duty Fac. + Distance Fac.

Distance Fac. : 1 GHz to 10 GHz :  $20\log(3.87[m]/3.0[m]) = 2.22[dB]$

10 GHz to 40 GHz :  $20\log(1.00[m]/3.0[m]) = -9.54[dB]$

Duty factor refer to "Burst rate confirmation" sheet.

### (Calculation) (above 1 GHz Outside of the restricted band)

(\* PK: Peak, AV: Average, QP: Quasi-Peak)

| Polarity | Frequency | Detector | Reading | Ant.Fac. | Loss   | Gain  | Duty Fac. | Distance Fac. | Result   | Result (EIRP) | Limit | Margin | Height | Angle  | Remark      |
|----------|-----------|----------|---------|----------|--------|-------|-----------|---------------|----------|---------------|-------|--------|--------|--------|-------------|
|          | [MHz]     |          | [dBuV]  | [dB/m]   | [dB]   | [dB]  | [dB]      | [dB]          | [dBuV/m] | [dBm]         | [dBm] | [dB]   | [cm]   | [deg.] |             |
| Hori.    | 13070.000 | PK       | 47.28   | 38.50    | -31.00 | -     | -         | -9.54         | 45.24    | -49.99        | -7.0  | 42.9   | 150    | 0      | Floor Noise |
| Hori.    | 26140.000 | PK       | 47.10   | 40.53    | 14.23  | 47.01 | -         | -9.54         | 45.31    | -49.92        | -7.0  | 42.9   | 138    | 215    | -           |
| Hori.    | 13070.000 | AV       | 36.70   | 38.50    | -31.00 | -     | -         | -9.54         | 34.66    | -60.57        | -27.0 | 33.5   | 150    | 0      | Floor Noise |
| Hori.    | 26140.000 | AV       | 39.69   | 40.53    | 14.23  | 47.01 | 0.19      | -9.54         | 38.09    | -57.14        | -27.0 | 30.1   | 138    | 215    | -           |
| Vert.    | 13070.000 | PK       | 47.31   | 38.50    | -31.00 | -     | -         | -9.54         | 45.27    | -49.96        | -7.0  | 42.9   | 150    | 0      | Floor Noise |
| Vert.    | 26140.000 | PK       | 47.02   | 40.53    | 14.23  | 47.01 | -         | -9.54         | 45.23    | -50.00        | -7.0  | 43.0   | 146    | 242    | -           |
| Vert.    | 13070.000 | AV       | 36.60   | 38.50    | -31.00 | -     | -         | -9.54         | 34.56    | -60.67        | -27.0 | 33.6   | 150    | 0      | Floor Noise |
| Vert.    | 26140.000 | AV       | 39.74   | 40.53    | 14.23  | 47.01 | 0.19      | -9.54         | 38.14    | -57.09        | -27.0 | 30.0   | 146    | 242    | -           |

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz)) - Gain(Amp) (1 GHz to 18 GHz) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Duty Fac. + Distance Fac.

Result (EIRP) [dBm] =  $10 * \log((10^{\wedge}(\text{Result [dBuV/m]}/20)) * 10^{\wedge}(-6) * \text{Distance : } 3[m])^{\wedge}2 / 30 * 10^{\wedge}3)$

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

Distance Fac. : 1 GHz to 10 GHz :  $20\log(3.87[m]/3.0[m]) = 2.22[dB]$

10 GHz to 40 GHz :  $20\log(1.00[m]/3.0[m]) = -9.54[dB]$

## Radiated Spurious Emission

|      |                                 |
|------|---------------------------------|
| Mode | Tx 11ax-20(OFDM), MIMO 6695 MHz |
|------|---------------------------------|

| Date           | Test site | Temperature | Humidity | Engineer           | Measurement Range  |
|----------------|-----------|-------------|----------|--------------------|--------------------|
| March 01, 2025 | WAC2      | 20 deg. C   | 35 % RH  | Takayuki Kobayashi | 1 GHz to 10 GHz    |
| March 06, 2025 | WAC2      | 23 deg. C   | 40 % RH  | Yuta Shiba         | 10 GHz to 18 GHz   |
| March 07, 2025 | WAC2      | 21 deg. C   | 32 % RH  | Miku Ikudome       | 18 GHz to 26.5 GHz |
| March 10, 2025 | WAC2      | 23 deg. C   | 25 % RH  | Miku Ikudome       | 26.5 GHz to 40 GHz |

### (above 1 GHz Inside of the restricted band)

(\* PK: Peak, AV: Average, QP: Quasi-Peak)

| Polarity | Frequency | Detector | Reading | Ant.Fac. | Loss   | Gain  | Distance Fac. | Result   | Limit    | Margin | Height | Angle  | Remark      |
|----------|-----------|----------|---------|----------|--------|-------|---------------|----------|----------|--------|--------|--------|-------------|
|          | [MHz]     |          | [dBuV]  | [dB/m]   | [dB]   | [dB]  | [dB]          | [dBuV/m] | [dBuV/m] | [dB]   | [cm]   | [deg.] |             |
| Hori.    | 13390.000 | PK       | 47.78   | 38.69    | -30.80 | -     | -9.54         | 46.13    | 73.9     | 27.7   | 150    | 0      | Floor Noise |
| Hori.    | 20085.000 | PK       | 42.38   | 40.15    | 12.33  | 47.05 | -9.54         | 38.27    | 73.9     | 35.6   | 150    | 0      | Floor Noise |
| Hori.    | 13390.000 | AV       | 36.93   | 38.69    | -30.80 | -     | -9.54         | 35.28    | 53.9     | 18.6   | 150    | 0      | Floor Noise |
| Hori.    | 20085.000 | AV       | 31.12   | 40.15    | 12.33  | 47.05 | -9.54         | 27.01    | 53.9     | 26.8   | 150    | 0      | Floor Noise |
| Vert.    | 13390.000 | PK       | 47.94   | 38.69    | -30.80 | -     | -9.54         | 46.29    | 73.9     | 27.6   | 150    | 0      | Floor Noise |
| Vert.    | 20085.000 | PK       | 42.36   | 40.15    | 12.33  | 47.05 | -9.54         | 38.25    | 73.9     | 35.6   | 150    | 0      | Floor Noise |
| Vert.    | 13390.000 | AV       | 37.19   | 38.69    | -30.80 | -     | -9.54         | 35.54    | 53.9     | 18.3   | 150    | 0      | Floor Noise |
| Vert.    | 20085.000 | AV       | 31.20   | 40.15    | 12.33  | 47.05 | -9.54         | 27.09    | 53.9     | 26.8   | 150    | 0      | Floor Noise |

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Distance Fac.

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

Distance Fac.: 1 GHz to 10 GHz :  $20\log(3.87[m]/3.0[m]) = 2.22[dB]$

10 GHz to 40 GHz :  $20\log(1.00[m]/3.0[m]) = -9.54[dB]$

### (Calculation) (above 1 GHz Outside of the restricted band)

(\* PK: Peak, AV: Average, QP: Quasi-Peak)

| Polarity | Frequency | Detector | Reading | Ant.Fac. | Loss  | Gain  | Duty Fac. | Distance Fac. | Result   | Result (EIRP) | Limit | Margin | Height | Angle  | Remark |
|----------|-----------|----------|---------|----------|-------|-------|-----------|---------------|----------|---------------|-------|--------|--------|--------|--------|
|          | [MHz]     |          | [dBuV]  | [dB/m]   | [dB]  | [dB]  | [dB]      | [dB]          | [dBuV/m] | [dBm]         | [dBm] | [dB]   | [cm]   | [deg.] |        |
| Hori.    | 26780.000 | PK       | 57.06   | 43.23    | 16.81 | 60.20 | -         | -9.54         | 47.36    | -47.87        | -7.0  | 40.8   | 168    | 253    | -      |
| Hori.    | 26780.000 | AV       | 52.60   | 43.23    | 16.81 | 60.20 | 0.19      | -9.54         | 43.09    | -52.14        | -27.0 | 25.1   | 168    | 253    | -      |
| Vert.    | 26780.000 | PK       | 54.85   | 43.23    | 16.81 | 60.20 | -         | -9.54         | 45.15    | -50.08        | -7.0  | 43.0   | 158    | 224    | -      |
| Vert.    | 26780.000 | AV       | 48.87   | 43.23    | 16.81 | 60.20 | 0.19      | -9.54         | 39.36    | -55.87        | -27.0 | 28.8   | 158    | 224    | -      |

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz)) - Gain(Amp) + Duty Fac. + Distance Fac.

Result (EIRP) [dBm] =  $10 * \log((10^{(Result [dBuV/m] / 20)} * 10^{(-6)} * Distance : 3[m])^2 / 30 * 10^3)$

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

Distance Fac.: 1 GHz to 10 GHz :  $20\log(3.87[m]/3.0[m]) = 2.22[dB]$

10 GHz to 40 GHz :  $20\log(1.00[m]/3.0[m]) = -9.54[dB]$

## Radiated Spurious Emission

|      |                                 |
|------|---------------------------------|
| Mode | Tx 11ax-20(OFDM), MIMO 6855 MHz |
|------|---------------------------------|

| Date           | Test site | Temperature | Humidity | Engineer           | Measurement Range  |
|----------------|-----------|-------------|----------|--------------------|--------------------|
| March 01, 2025 | WAC2      | 20 deg. C   | 35 % RH  | Takayuki Kobayashi | 1 GHz to 10 GHz    |
| March 06, 2025 | WAC2      | 23 deg. C   | 40 % RH  | Yuta Shiba         | 10 GHz to 18 GHz   |
| March 07, 2025 | WAC2      | 21 deg. C   | 32 % RH  | Miku Ikudome       | 18 GHz to 26.5 GHz |
| March 10, 2025 | WAC2      | 23 deg. C   | 25 % RH  | Miku Ikudome       | 26.5 GHz to 40 GHz |

### (above 1 GHz Inside of the restricted band)

(\* PK: Peak, AV: Average, QP: Quasi-Peak)

| Polarity | Frequency | Detector | Reading | Ant.Fac. | Loss  | Gain  | Distance Fac. | Result   | Limit    | Margin | Height | Angle  | Remark      |
|----------|-----------|----------|---------|----------|-------|-------|---------------|----------|----------|--------|--------|--------|-------------|
|          | [MHz]     |          | [dBuV]  | [dB/m]   | [dB]  | [dB]  | [dB]          | [dBuV/m] | [dBuV/m] | [dB]   | [cm]   | [deg.] |             |
| Hori.    | 20565.000 | PK       | 42.57   | 40.16    | 12.62 | 46.95 | -9.54         | 38.86    | 73.9     | 35.0   | 150    | 0      | Floor Noise |
| Hori.    | 20565.000 | AV       | 31.02   | 40.16    | 12.62 | 46.95 | -9.54         | 27.31    | 53.9     | 26.5   | 150    | 0      | Floor Noise |
| Vert.    | 20565.000 | PK       | 42.52   | 40.16    | 12.62 | 46.95 | -9.54         | 38.81    | 73.9     | 35.0   | 150    | 0      | Floor Noise |
| Vert.    | 20565.000 | AV       | 31.05   | 40.16    | 12.62 | 46.95 | -9.54         | 27.34    | 53.9     | 26.5   | 150    | 0      | Floor Noise |

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz)) - Gain(Amp) + Distance Fac.

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

Distance Fac.: 1 GHz to 10 GHz : 20log (3.87 [m] / 3.0 [m]) = 2.22 [dB]

10 GHz to 40 GHz : 20log (1.00 [m] / 3.0 [m]) = -9.54 [dB]

### (Calculation) (above 1 GHz Outside of the restricted band)

(\* PK: Peak, AV: Average, QP: Quasi-Peak)

| Polarity | Frequency | Detector | Reading | Ant.Fac. | Loss   | Gain  | Duty Fac. | Distance Fac. | Result   | Result (EIRP) | Limit | Margin | Height | Angle  | Remark      |
|----------|-----------|----------|---------|----------|--------|-------|-----------|---------------|----------|---------------|-------|--------|--------|--------|-------------|
|          | [MHz]     |          | [dBuV]  | [dB/m]   | [dB]   | [dB]  | [dB]      | [dB]          | [dBuV/m] | [dBm]         | [dBm] | [dB]   | [cm]   | [deg.] |             |
| Hori.    | 7125.000  | PK       | 47.28   | 35.92    | -26.09 | -     | -         | 2.22          | 59.33    | -35.90        | -7.0  | 28.9   | 400    | 323    | Floor Noise |
| Hori.    | 13710.000 | PK       | 47.86   | 38.68    | -30.57 | -     | -         | -9.54         | 46.43    | -48.80        | -7.0  | 41.8   | 150    | 0      | Floor Noise |
| Hori.    | 27420.000 | PK       | 56.47   | 43.52    | 17.11  | 60.76 | -         | -9.54         | 46.80    | -48.43        | -7.0  | 41.4   | 181    | 251    | -           |
| Hori.    | 7125.000  | AV       | 36.16   | 35.92    | -26.09 | -     | -         | 2.22          | 48.21    | -47.02        | -27.0 | 20.0   | 400    | 323    | Floor Noise |
| Hori.    | 13710.000 | AV       | 37.33   | 38.68    | -30.57 | -     | -         | -9.54         | 35.90    | -59.33        | -27.0 | 32.3   | 150    | 0      | Floor Noise |
| Hori.    | 27420.000 | AV       | 51.87   | 43.52    | 17.11  | 60.76 | 0.19      | -9.54         | 42.39    | -52.84        | -27.0 | 25.8   | 181    | 251    | -           |
| Vert.    | 7125.000  | PK       | 47.47   | 35.92    | -26.09 | -     | -         | 2.22          | 59.52    | -35.71        | -7.0  | 28.7   | 398    | 5      | Floor Noise |
| Vert.    | 13710.000 | PK       | 47.70   | 38.68    | -30.57 | -     | -         | -9.54         | 46.27    | -48.96        | -7.0  | 41.9   | 150    | 0      | Floor Noise |
| Vert.    | 27420.000 | PK       | 54.52   | 43.52    | 17.11  | 60.76 | -         | -9.54         | 44.85    | -50.38        | -7.0  | 43.3   | 162    | 250    | -           |
| Vert.    | 7125.000  | AV       | 36.35   | 35.92    | -26.09 | -     | -         | 2.22          | 48.40    | -46.83        | -27.0 | 19.8   | 398    | 5      | Floor Noise |
| Vert.    | 13710.000 | AV       | 37.34   | 38.68    | -30.57 | -     | -         | -9.54         | 35.91    | -59.32        | -27.0 | 32.3   | 150    | 0      | Floor Noise |
| Vert.    | 27420.000 | AV       | 48.80   | 43.52    | 17.11  | 60.76 | 0.19      | -9.54         | 39.32    | -55.91        | -27.0 | 28.9   | 162    | 250    | -           |

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Duty Fac. + Distance Fac.

Result (EIRP) [dBm] = 10 \* LOG ( (10 ^ (Result [dBuV/m] / 20) ) \* 10 ^ (-6) \* Distance : 3 [m] ) ^ 2 / 30 \* 10 ^ 3)

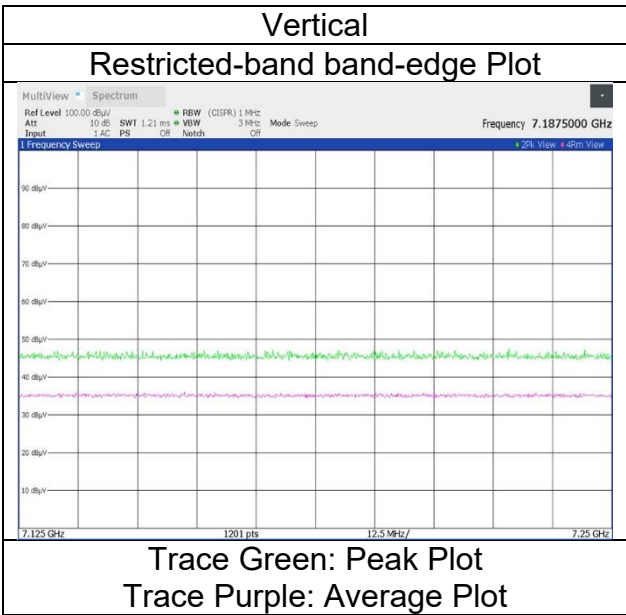
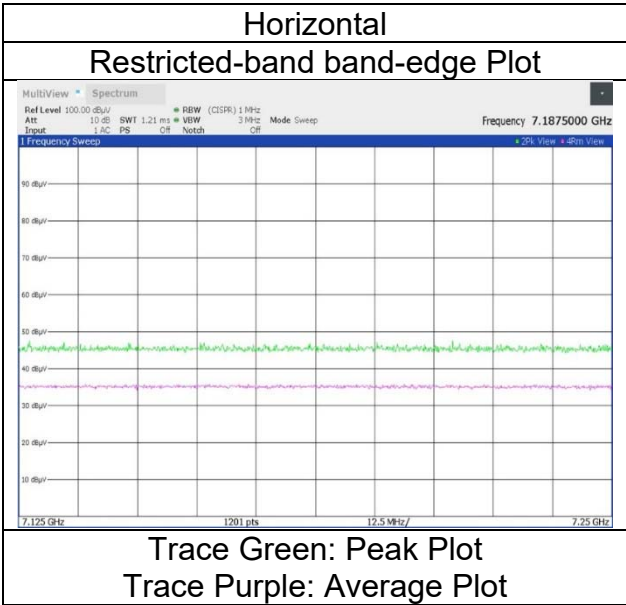
\*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance Fac.: 1 GHz to 10 GHz : 20log (3.87 [m] / 3.0 [m]) = 2.22 [dB]

10 GHz to 40 GHz : 20log (1.00 [m] / 3.0 [m]) = -9.54 [dB]

**Radiated Spurious Emission**

|                |                                 |             |          |                    |                   |
|----------------|---------------------------------|-------------|----------|--------------------|-------------------|
| Mode           | Tx 11ax-20(OFDM), MIMO 6855 MHz |             |          |                    |                   |
| Date           | Test site                       | Temperature | Humidity | Engineer           | Measurement Range |
| March 01, 2025 | WAC2                            | 20 deg. C   | 35 % RH  | Takayuki Kobayashi | 1 GHz to 10 GHz   |



\* 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**

|                |                                                         |             |          |                 |                   |
|----------------|---------------------------------------------------------|-------------|----------|-----------------|-------------------|
| Mode           | Tx 11ax-20(OFDMA) 26-tone RU, RU Index 0, MIMO 5955 MHz |             |          |                 |                   |
| Date           | Test site                                               | Temperature | Humidity | Engineer        | Measurement Range |
| March 02, 2025 | WAC2                                                    | 23 deg. C   | 32 % RH  | Yosuke Murakami | 1 GHz to 8 GHz    |

**(Calculation) (above 1 GHz Outside of the restricted band)**

| (* PK: Peak, AV: Average, QP: Quasi-Peak) |                 |          |                |                  |           |           |                |                    |                 |                     |             |             |             |              |        |  |
|-------------------------------------------|-----------------|----------|----------------|------------------|-----------|-----------|----------------|--------------------|-----------------|---------------------|-------------|-------------|-------------|--------------|--------|--|
| Polarity                                  | Frequency [MHz] | Detector | Reading [dBuV] | Ant. Fac. [dB/m] | Loss [dB] | Gain [dB] | Duty Fac. [dB] | Distance Fac. [dB] | Result [dBuV/m] | Result (EIRP) [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [deg.] | Remark |  |
| Hori.                                     | 5925.000        | PK       | 47.68          | 33.10            | -26.85    | -         | -              | 2.22               | 56.15           | -39.08              | -7.0        | 32.0        | 364         | 358          | -      |  |
| Hori.                                     | 5925.000        | AV       | 36.76          | 33.10            | -26.85    | -         | 0.23           | 2.22               | 45.46           | -49.77              | -27.0       | 22.7        | 364         | 358          | -      |  |
| Vert.                                     | 5925.000        | PK       | 47.82          | 33.10            | -26.85    | -         | -              | 2.22               | 56.29           | -38.94              | -7.0        | 31.9        | 359         | 351          | -      |  |
| Vert.                                     | 5925.000        | AV       | 36.54          | 33.10            | -26.85    | -         | 0.23           | 2.22               | 45.24           | -49.99              | -27.0       | 22.9        | 359         | 351          | -      |  |

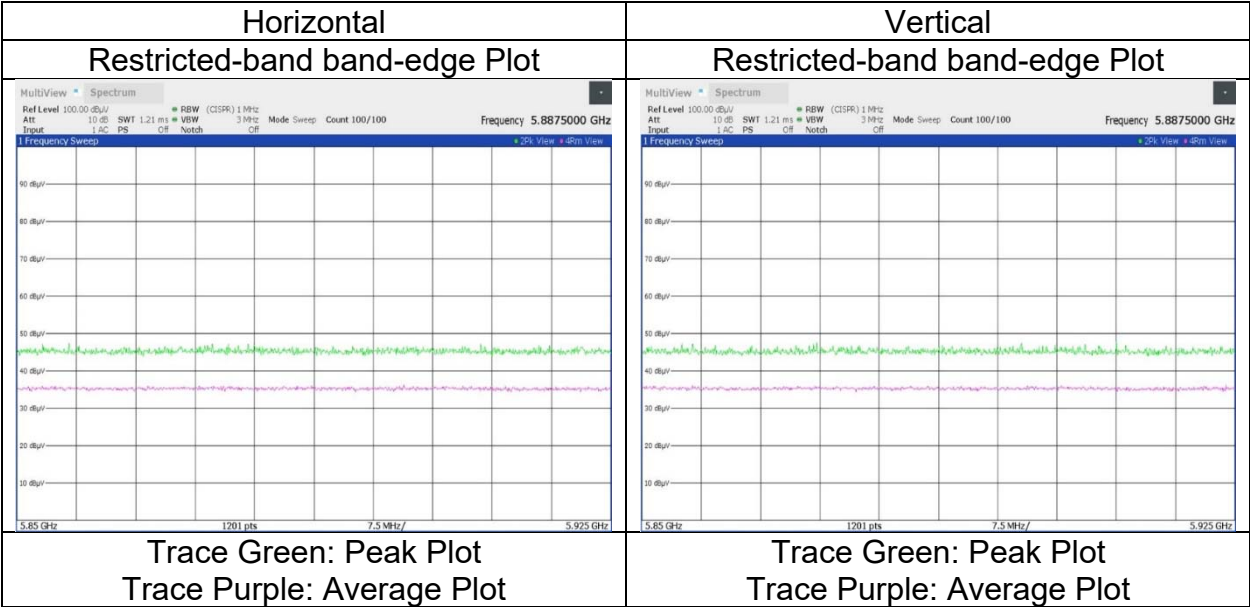
Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Duty Fac. + Distance Fac.

Result (EIRP) [dBm] = 10 \* LOG ( (10 ^ (Result [dBuV/m] / 20) ) \* 10 ^ (-6) \* Distance : 3 [m] ) ^ 2 / 30 \* 10 ^ 3)

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

Distance Fac. : 1 GHz to 10 GHz : 20log (3.87 [m] / 3.0 [m]) = 2.22 [dB]

10 GHz to 40 GHz : 20log (1.00 [m] / 3.0 [m]) = -9.54 [dB]



\* 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

|      |                                                         |  |  |  |  |
|------|---------------------------------------------------------|--|--|--|--|
| Mode | Tx 11ax-20(OFDMA) 26-tone RU, RU Index 8, MIMO 6855 MHz |  |  |  |  |
|------|---------------------------------------------------------|--|--|--|--|

| Date           | Test site | Temperature | Humidity | Engineer        | Measurement Range |
|----------------|-----------|-------------|----------|-----------------|-------------------|
| March 02, 2025 | WAC2      | 23 deg. C   | 32 % RH  | Yosuke Murakami | 1 GHz to 8 GHz    |

### (Calculation) (above 1 GHz Outside of the restricted band)

(\* PK: Peak, AV: Average, QP: Quasi-Peak)

| Polarity | Frequency [MHz] | Detector | Reading [dBuV] | Ant. Fac. [dB/m] | Loss [dB] | Gain [dB] | Duty Fac. [dB] | Distance Fac. [dB] | Result [dBuV/m] | Result (EIRP) [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [deg.] | Remark      |
|----------|-----------------|----------|----------------|------------------|-----------|-----------|----------------|--------------------|-----------------|---------------------|-------------|-------------|-------------|--------------|-------------|
| Hori.    | 7125.000        | PK       | 46.32          | 35.92            | -26.09    | -         | -              | 2.22               | 58.37           | -36.86              | -7.0        | 29.8        | 329         | 30           | Floor Noise |
| Hori.    | 7125.000        | AV       | 35.39          | 35.92            | -26.09    | -         | -              | 2.22               | 47.44           | -47.79              | -27.0       | 20.7        | 329         | 30           | Floor Noise |
| Vert.    | 7125.000        | PK       | 45.77          | 35.92            | -26.09    | -         | -              | 2.22               | 57.82           | -37.41              | -7.0        | 30.4        | 369         | 13           | Floor Noise |
| Vert.    | 7125.000        | AV       | 35.30          | 35.92            | -26.09    | -         | -              | 2.22               | 47.35           | -47.88              | -27.0       | 20.8        | 369         | 13           | Floor Noise |

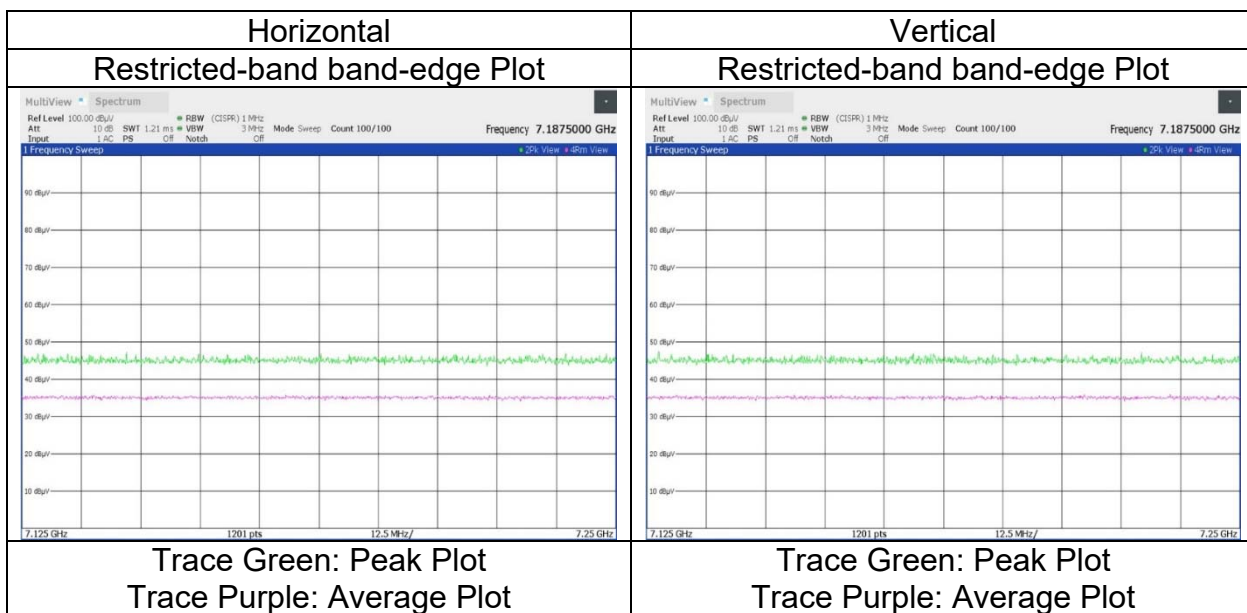
Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Duty Fac. + Distance Fac.

Result (EIRP) [dBm] = 10 \* LOG ( (10 ^ (Result [dBuV/m] / 20) ) \* 10 ^ (-6) \* Distance : 3 [m] ) ^ 2 / 30 \* 10 ^ 3)

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

Distance Fac. : 1 GHz to 10 GHz : 20log (3.87 [m] / 3.0 [m]) = 2.22 [dB]

10 GHz to 40 GHz : 20log (1.00 [m] / 3.0 [m]) = -9.54 [dB]



\* 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

|      |                                                          |  |  |  |  |
|------|----------------------------------------------------------|--|--|--|--|
| Mode | Tx 11ax-20(OFDMA) 52-tone RU, RU Index 37, MIMO 5955 MHz |  |  |  |  |
|------|----------------------------------------------------------|--|--|--|--|

| Date           | Test site | Temperature | Humidity | Engineer        | Measurement Range |
|----------------|-----------|-------------|----------|-----------------|-------------------|
| March 02, 2025 | WAC2      | 23 deg. C   | 32 % RH  | Yosuke Murakami | 1 GHz to 8 GHz    |

### (Calculation) (above 1 GHz Outside of the restricted band)

(\* PK: Peak, AV: Average, QP: Quasi-Peak)

| Polarity | Frequency [MHz] | Detector | Reading [dBuV] | Ant. Fac. [dB/m] | Loss [dB] | Gain [dB] | Duty Fac. [dB] | Distance Fac. [dB] | Result [dBuV/m] | Result (EIRP) [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [deg.] | Remark |
|----------|-----------------|----------|----------------|------------------|-----------|-----------|----------------|--------------------|-----------------|---------------------|-------------|-------------|-------------|--------------|--------|
| Hori.    | 5925.000        | PK       | 47.54          | 33.10            | -26.85    | -         | -              | 2.22               | 56.01           | -39.22              | -7.0        | 32.2        | 371         | 358          | -      |
| Hori.    | 5925.000        | AV       | 36.42          | 33.10            | -26.85    | -         | 0.24           | 2.22               | 45.13           | -50.10              | -27.0       | 23.1        | 371         | 358          | -      |
| Vert.    | 5925.000        | PK       | 47.68          | 33.10            | -26.85    | -         | -              | 2.22               | 56.15           | -39.08              | -7.0        | 32.0        | 354         | 348          | -      |
| Vert.    | 5925.000        | AV       | 36.44          | 33.10            | -26.85    | -         | 0.24           | 2.22               | 45.15           | -50.08              | -27.0       | 23.0        | 354         | 348          | -      |

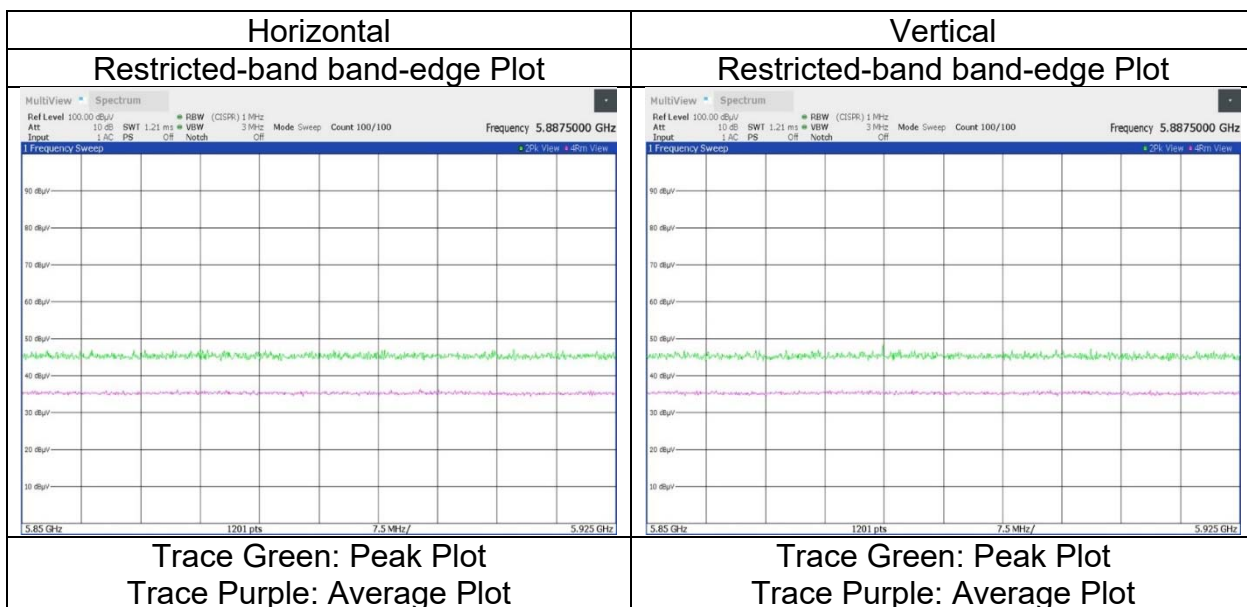
Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Duty Fac. + Distance Fac.

Result (EIRP) [dBm] = 10 \* LOG ( (10 ^ (Result [dBuV/m] / 20) ) \* 10 ^ (-6) \* Distance : 3 [m] ) ^ 2 / 30 \* 10 ^ 3)

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

Distance Fac. : 1 GHz to 10 GHz : 20log (3.87 [m] / 3.0 [m]) = 2.22 [dB]

10 GHz to 40 GHz : 20log (1.00 [m] / 3.0 [m]) = -9.54 [dB]



\* 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

|      |                                                          |  |  |  |  |
|------|----------------------------------------------------------|--|--|--|--|
| Mode | Tx 11ax-20(OFDMA) 52-tone RU, RU Index 40, MIMO 6855 MHz |  |  |  |  |
|------|----------------------------------------------------------|--|--|--|--|

| Date           | Test site | Temperature | Humidity | Engineer        | Measurement Range |
|----------------|-----------|-------------|----------|-----------------|-------------------|
| March 02, 2025 | WAC2      | 23 deg. C   | 32 % RH  | Yosuke Murakami | 1 GHz to 8 GHz    |

### (Calculation) (above 1 GHz Outside of the restricted band)

(\* PK: Peak, AV: Average, QP: Quasi-Peak)

| Polarity | Frequency [MHz] | Detector | Reading [dBuV] | Ant. Fac. [dB/m] | Loss [dB] | Gain [dB] | Duty Fac. [dB] | Distance Fac. [dB] | Result [dBuV/m] | Result (EIRP) [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [deg.] | Remark      |
|----------|-----------------|----------|----------------|------------------|-----------|-----------|----------------|--------------------|-----------------|---------------------|-------------|-------------|-------------|--------------|-------------|
| Hori.    | 7125.000        | PK       | 45.20          | 35.92            | -26.09    | -         | -              | 2.22               | 57.25           | -37.98              | -7.0        | 30.9        | 358         | 35           | Floor Noise |
| Hori.    | 7125.000        | AV       | 35.12          | 35.92            | -26.09    | -         | -              | 2.22               | 47.17           | -48.06              | -27.0       | 21.0        | 358         | 35           | Floor Noise |
| Vert.    | 7125.000        | PK       | 45.62          | 35.92            | -26.09    | -         | -              | 2.22               | 57.67           | -37.56              | -7.0        | 30.5        | 354         | 15           | Floor Noise |
| Vert.    | 7125.000        | AV       | 35.36          | 35.92            | -26.09    | -         | -              | 2.22               | 47.41           | -47.82              | -27.0       | 20.8        | 354         | 15           | Floor Noise |

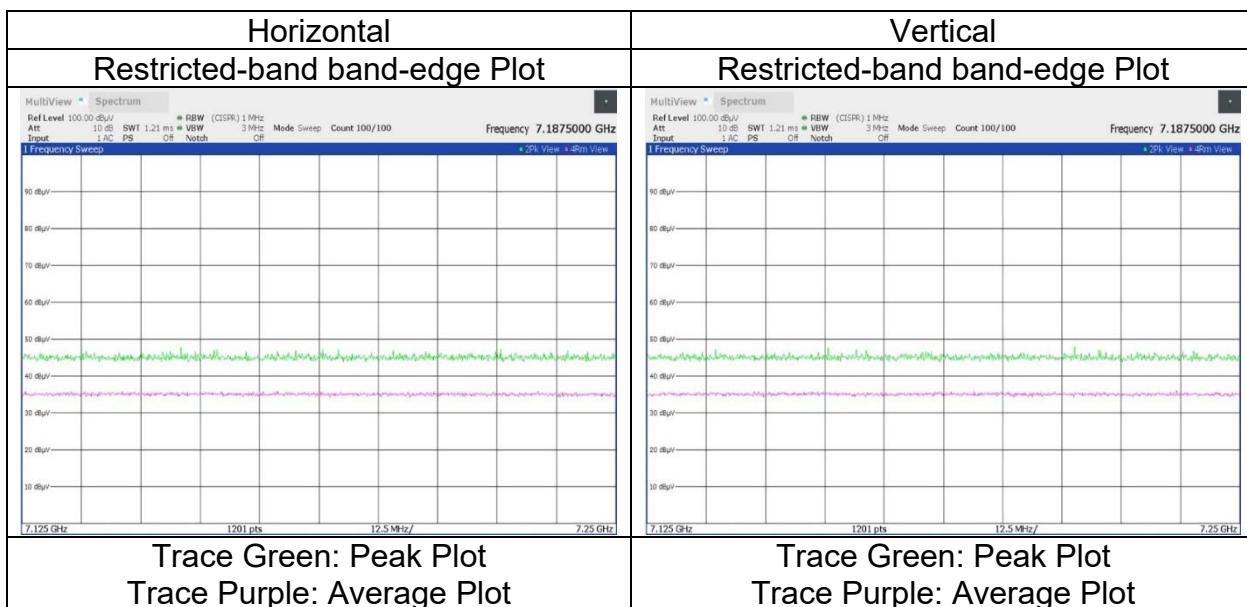
Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Duty Fac. + Distance Fac.

Result (EIRP) [dBm] = 10 \* LOG ( (10 ^ (Result [dBuV/m] / 20) ) \* 10 ^ (-6) \* Distance : 3 [m] ) ^ 2 / 30 \* 10 ^ 3)

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

Distance Fac. : 1 GHz to 10 GHz : 20log (3.87 [m] / 3.0 [m]) = 2.22 [dB]

10 GHz to 40 GHz : 20log (1.00 [m] / 3.0 [m]) = -9.54 [dB]



\* 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

|      |                                                           |  |  |  |  |
|------|-----------------------------------------------------------|--|--|--|--|
| Mode | Tx 11ax-20(OFDMA) 106-tone RU, RU Index 53, MIMO 5955 MHz |  |  |  |  |
|------|-----------------------------------------------------------|--|--|--|--|

| Date           | Test site | Temperature | Humidity | Engineer        | Measurement Range |
|----------------|-----------|-------------|----------|-----------------|-------------------|
| March 02, 2025 | WAC2      | 23 deg. C   | 32 % RH  | Yosuke Murakami | 1 GHz to 8 GHz    |

### (Calculation) (above 1 GHz Outside of the restricted band)

(\* PK: Peak, AV: Average, QP: Quasi-Peak)

| Polarity | Frequency [MHz] | Detector | Reading [dBuV] | Ant. Fac. [dB/m] | Loss [dB] | Gain [dB] | Duty Fac. [dB] | Distance Fac. [dB] | Result [dBuV/m] | Result (EIRP) [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [deg.] | Remark |
|----------|-----------------|----------|----------------|------------------|-----------|-----------|----------------|--------------------|-----------------|---------------------|-------------|-------------|-------------|--------------|--------|
| Hori.    | 5925.000        | PK       | 47.53          | 33.10            | -26.85    | -         | -              | 2.22               | 56.00           | -39.23              | -7.0        | 32.2        | 364         | 357          | -      |
| Hori.    | 5925.000        | AV       | 36.41          | 33.10            | -26.85    | -         | 0.24           | 2.22               | 45.12           | -50.11              | -27.0       | 23.1        | 364         | 357          | -      |
| Vert.    | 5925.000        | PK       | 47.57          | 33.10            | -26.85    | -         | -              | 2.22               | 56.04           | -39.19              | -7.0        | 32.1        | 361         | 348          | -      |
| Vert.    | 5925.000        | AV       | 36.66          | 33.10            | -26.85    | -         | 0.24           | 2.22               | 45.37           | -49.86              | -27.0       | 22.8        | 361         | 348          | -      |

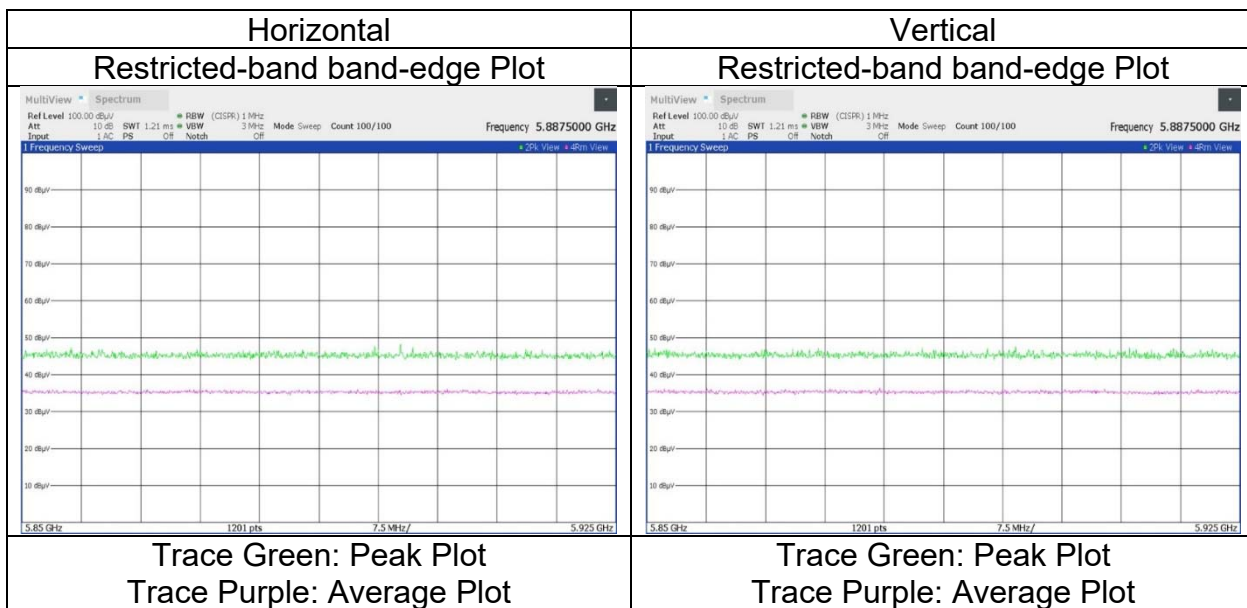
Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Duty Fac. + Distance Fac.

Result (EIRP) [dBm] = 10 \* LOG ( (10 ^ (Result [dBuV/m] / 20) ) \* 10 ^ (-6) \* Distance : 3 [m] ) ^ 2 / 30 \* 10 ^ 3)

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

Distance Fac. : 1 GHz to 10 GHz : 20log (3.87 [m] / 3.0 [m]) = 2.22 [dB]

10 GHz to 40 GHz : 20log (1.00 [m] / 3.0 [m]) = -9.54 [dB]



\* 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

|      |                                                           |  |  |  |  |
|------|-----------------------------------------------------------|--|--|--|--|
| Mode | Tx 11ax-20(OFDMA) 106-tone RU, RU Index 54, MIMO 6855 MHz |  |  |  |  |
|------|-----------------------------------------------------------|--|--|--|--|

| Date           | Test site | Temperature | Humidity | Engineer        | Measurement Range |
|----------------|-----------|-------------|----------|-----------------|-------------------|
| March 02, 2025 | WAC2      | 23 deg. C   | 32 % RH  | Yosuke Murakami | 1 GHz to 8 GHz    |

### (Calculation) (above 1 GHz Outside of the restricted band)

(\* PK: Peak, AV: Average, QP: Quasi-Peak)

| Polarity | Frequency [MHz] | Detector | Reading [dBuV] | Ant. Fac. [dB/m] | Loss [dB] | Gain [dB] | Duty Fac. [dB] | Distance Fac. [dB] | Result [dBuV/m] | Result (EIRP) [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [deg.] | Remark      |
|----------|-----------------|----------|----------------|------------------|-----------|-----------|----------------|--------------------|-----------------|---------------------|-------------|-------------|-------------|--------------|-------------|
| Hori.    | 7125.000        | PK       | 45.33          | 35.92            | -26.09    | -         | -              | 2.22               | 57.38           | -37.85              | -7.0        | 30.8        | 358         | 35           | Floor Noise |
| Hori.    | 7125.000        | AV       | 35.21          | 35.92            | -26.09    | -         | -              | 2.22               | 47.26           | -47.97              | -27.0       | 20.9        | 358         | 35           | Floor Noise |
| Vert.    | 7125.000        | PK       | 45.62          | 35.92            | -26.09    | -         | -              | 2.22               | 57.67           | -37.56              | -7.0        | 30.5        | 345         | 13           | Floor Noise |
| Vert.    | 7125.000        | AV       | 35.36          | 35.92            | -26.09    | -         | -              | 2.22               | 47.41           | -47.82              | -27.0       | 20.8        | 345         | 13           | Floor Noise |

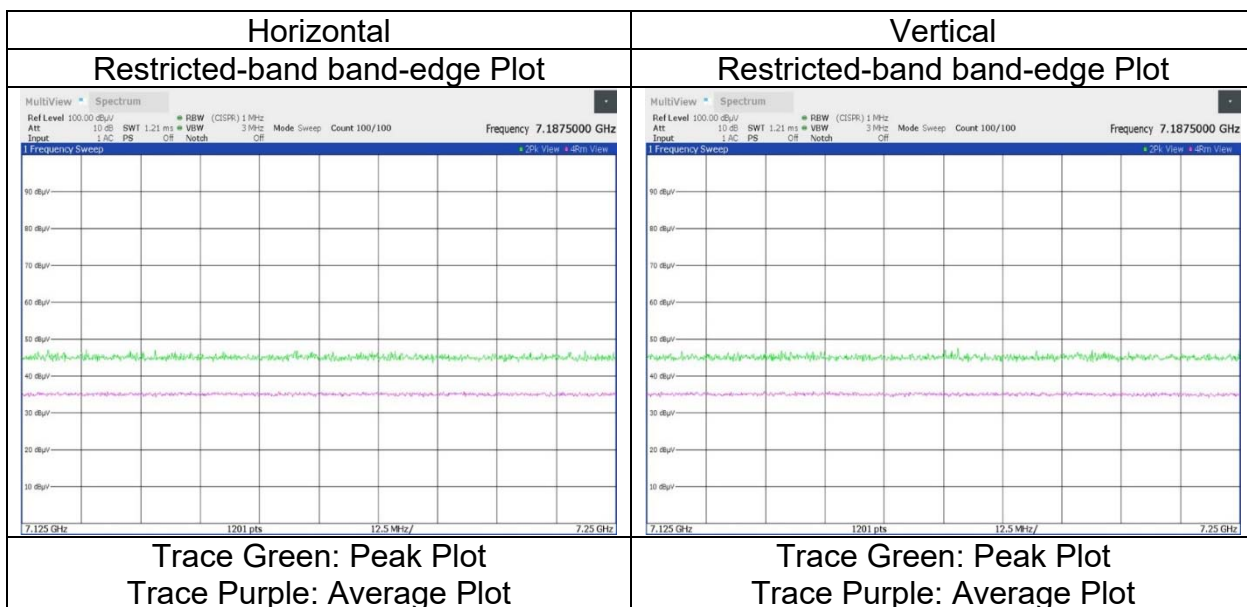
Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Duty Fac. + Distance Fac.

Result (EIRP) [dBm] = 10 \* LOG ( (10 ^ (Result [dBuV/m] / 20) ) \* 10 ^ (-6) \* Distance : 3 [m] ) ^ 2 / 30 \* 10 ^ 3)

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

Distance Fac. : 1 GHz to 10 GHz : 20log (3.87 [m] / 3.0 [m]) = 2.22 [dB]

10 GHz to 40 GHz : 20log (1.00 [m] / 3.0 [m]) = -9.54 [dB]



\* 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**

|                |                                                           |             |          |                 |                   |
|----------------|-----------------------------------------------------------|-------------|----------|-----------------|-------------------|
| Mode           | Tx 11ax-20(OFDMA) 242-tone RU, RU Index 61, MIMO 5955 MHz |             |          |                 |                   |
| Date           | Test site                                                 | Temperature | Humidity | Engineer        | Measurement Range |
| March 02, 2025 | WAC2                                                      | 23 deg. C   | 32 % RH  | Yosuke Murakami | 1 GHz to 8 GHz    |

**(Calculation) (above 1 GHz Outside of the restricted band)**

| (* PK: Peak, AV: Average, QP: Quasi-Peak) |           |          |         |           |        |      |           |               |          |               |       |        |        |        |        |  |
|-------------------------------------------|-----------|----------|---------|-----------|--------|------|-----------|---------------|----------|---------------|-------|--------|--------|--------|--------|--|
| Polarity                                  | Frequency | Detector | Reading | Ant. Fac. | Loss   | Gain | Duty Fac. | Distance Fac. | Result   | Result (EIRP) | Limit | Margin | Height | Angle  | Remark |  |
|                                           | [MHz]     |          | [dBuV]  | [dB/m]    | [dB]   | [dB] | [dB]      | [dB]          | [dBuV/m] | [dBm]         | [dBm] | [dB]   | [cm]   | [deg.] |        |  |
| Hori.                                     | 5925.000  | PK       | 47.38   | 33.10     | -26.85 | -    | -         | 2.22          | 55.85    | -39.38        | -7.0  | 32.3   | 369    | 357    | -      |  |
| Hori.                                     | 5925.000  | AV       | 36.29   | 33.10     | -26.85 | -    | 0.49      | 2.22          | 45.25    | -49.98        | -27.0 | 22.9   | 369    | 357    | -      |  |
| Vert.                                     | 5925.000  | PK       | 47.18   | 33.10     | -26.85 | -    | -         | 2.22          | 55.65    | -39.58        | -7.0  | 32.5   | 356    | 348    | -      |  |
| Vert.                                     | 5925.000  | AV       | 36.18   | 33.10     | -26.85 | -    | 0.49      | 2.22          | 45.14    | -50.09        | -27.0 | 23.0   | 356    | 348    | -      |  |

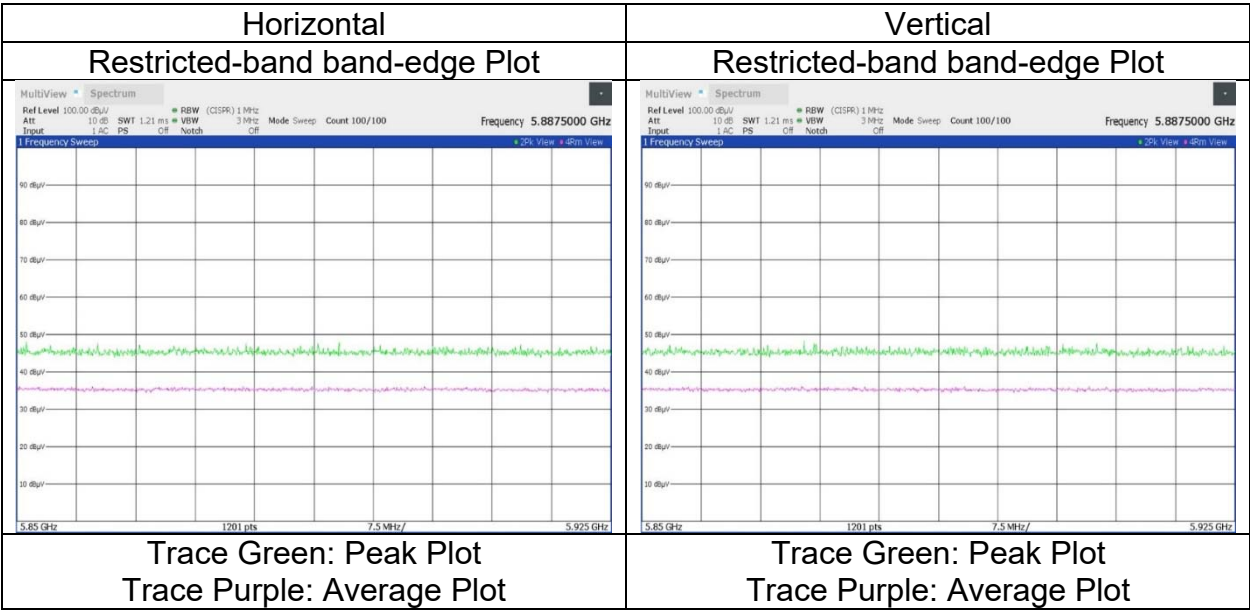
Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Duty Fac. + Distance Fac.

Result (EIRP) [dBm] = 10 \* LOG ( (10 ^ (Result [dBuV/m] / 20 ) \* 10 ^ (-6) \* Distance : 3 [m] ) ^ 2 / 30 \* 10 ^ 3)

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

Distance Fac. : 1 GHz to 10 GHz : 20log (3.87 [m] / 3.0 [m]) = 2.22 [dB]

10 GHz to 40 GHz : 20log (1.00 [m] / 3.0 [m]) = -9.54 [dB]



\* 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

|      |                                                           |  |  |  |  |
|------|-----------------------------------------------------------|--|--|--|--|
| Mode | Tx 11ax-20(OFDMA) 242-tone RU, RU Index 61, MIMO 6855 MHz |  |  |  |  |
|------|-----------------------------------------------------------|--|--|--|--|

| Date           | Test site | Temperature | Humidity | Engineer        | Measurement Range |
|----------------|-----------|-------------|----------|-----------------|-------------------|
| March 02, 2025 | WAC2      | 23 deg. C   | 32 % RH  | Yosuke Murakami | 1 GHz to 8 GHz    |

### (Calculation) (above 1 GHz Outside of the restricted band)

(\* PK: Peak, AV: Average, QP: Quasi-Peak)

| Polarity | Frequency [MHz] | Detector | Reading [dBuV] | Ant. Fac. [dB/m] | Loss [dB] | Gain [dB] | Duty Fac. [dB] | Distance Fac. [dB] | Result [dBuV/m] | Result (EIRP) [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [deg.] | Remark      |
|----------|-----------------|----------|----------------|------------------|-----------|-----------|----------------|--------------------|-----------------|---------------------|-------------|-------------|-------------|--------------|-------------|
| Hori.    | 7125.000        | PK       | 45.39          | 35.92            | -26.09    | -         | -              | 2.22               | 57.44           | -37.79              | -7.0        | 30.7        | 354         | 34           | Floor Noise |
| Hori.    | 7125.000        | AV       | 35.37          | 35.92            | -26.09    | -         | 0.49           | 2.22               | 47.91           | -47.32              | -27.0       | 20.3        | 354         | 34           | Floor Noise |
| Vert.    | 7125.000        | PK       | 45.82          | 35.92            | -26.09    | -         | -              | 2.22               | 57.87           | -37.36              | -7.0        | 30.3        | 354         | 13           | Floor Noise |
| Vert.    | 7125.000        | AV       | 35.41          | 35.92            | -26.09    | -         | 0.49           | 2.22               | 47.95           | -47.28              | -27.0       | 20.2        | 354         | 13           | Floor Noise |

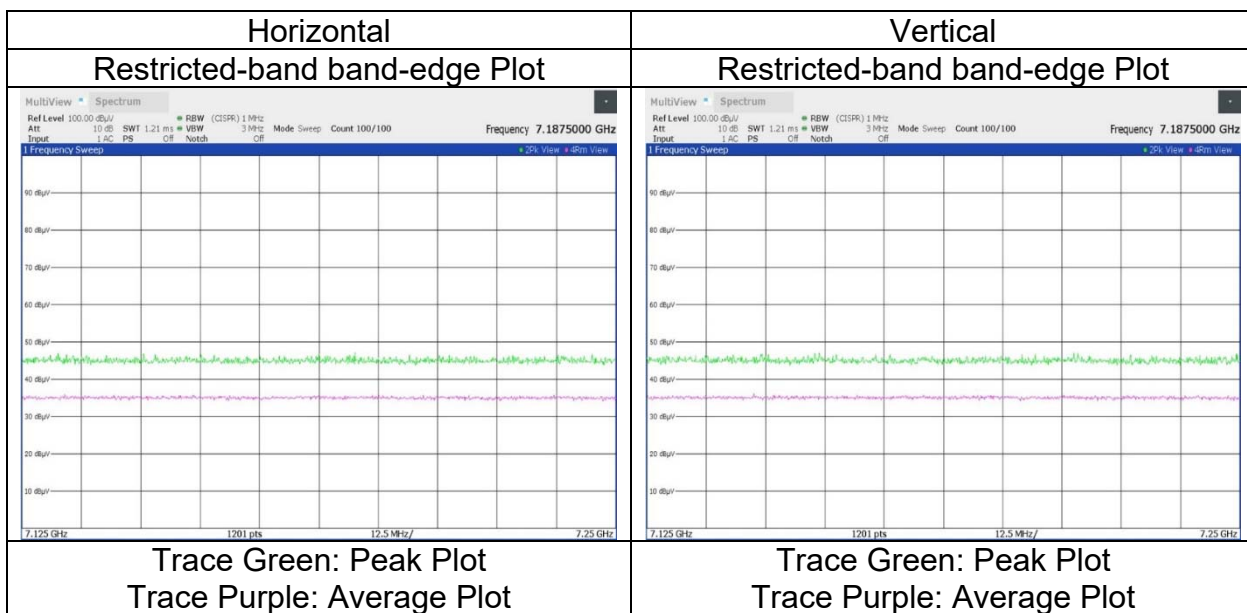
Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Duty Fac. + Distance Fac.

Result (EIRP) [dBm] = 10 \* LOG ( (10 ^ (Result [dBuV/m] / 20) ) \* 10 ^ (-6) \* Distance : 3 [m] ) ^ 2 / 30 \* 10 ^ 3)

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

Distance Fac. : 1 GHz to 10 GHz : 20log (3.87 [m] / 3.0 [m]) = 2.22 [dB]

10 GHz to 40 GHz : 20log (1.00 [m] / 3.0 [m]) = -9.54 [dB]



\* 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

|      |                                 |
|------|---------------------------------|
| Mode | Tx 11ax-40(OFDM), MIMO 5965 MHz |
|------|---------------------------------|

| Date           | Test site | Temperature | Humidity | Engineer           | Measurement Range  |
|----------------|-----------|-------------|----------|--------------------|--------------------|
| March 01, 2025 | WAC2      | 20 deg. C   | 35 % RH  | Takayuki Kobayashi | 1 GHz to 10 GHz    |
| March 06, 2025 | WAC2      | 23 deg. C   | 40 % RH  | Yuta Shiba         | 10 GHz to 18 GHz   |
| March 07, 2025 | WAC2      | 21 deg. C   | 32 % RH  | Miku Ikudome       | 18 GHz to 26.5 GHz |
| March 10, 2025 | WAC2      | 23 deg. C   | 25 % RH  | Miku Ikudome       | 26.5 GHz to 40 GHz |

### (above 1 GHz Inside of the restricted band)

(\* PK: Peak, AV: Average, QP: Quasi-Peak)

| Polarity | Frequency [MHz] | Detector | Reading [dBuV] | Ant.Fac. [dB/m] | Loss [dB] | Gain [dB] | Distance Fac. [dB] | Result [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Height [cm] | Angle [deg.] | Remark      |
|----------|-----------------|----------|----------------|-----------------|-----------|-----------|--------------------|-----------------|----------------|-------------|-------------|--------------|-------------|
| Hori.    | 11930.000       | PK       | 47.21          | 38.07           | -31.56    | -         | -9.54              | 44.18           | 73.9           | 29.7        | 150         | 0            | Floor Noise |
| Hori.    | 17895.000       | PK       | 48.06          | 40.12           | -28.82    | -         | -9.54              | 49.82           | 73.9           | 24.0        | 100         | 0            | Floor Noise |
| Hori.    | 23860.000       | PK       | 47.54          | 40.10           | 13.53     | 46.73     | -9.54              | 44.90           | 73.9           | 29.0        | 154         | 255          | -           |
| Hori.    | 11930.000       | AV       | 36.89          | 38.07           | -31.56    | -         | -9.54              | 33.86           | 53.9           | 20.0        | 150         | 0            | Floor Noise |
| Hori.    | 17895.000       | AV       | 36.97          | 40.12           | -28.82    | -         | -9.54              | 38.73           | 53.9           | 15.1        | 100         | 0            | Floor Noise |
| Vert.    | 11930.000       | PK       | 47.13          | 38.07           | -31.56    | -         | -9.54              | 44.10           | 73.9           | 29.8        | 150         | 0            | Floor Noise |
| Vert.    | 17895.000       | PK       | 48.03          | 40.12           | -28.82    | -         | -9.54              | 49.79           | 73.9           | 24.1        | 100         | 0            | Floor Noise |
| Vert.    | 23860.000       | PK       | 47.03          | 40.10           | 13.53     | 46.73     | -9.54              | 44.39           | 73.9           | 29.5        | 153         | 237          | -           |
| Vert.    | 11930.000       | AV       | 36.68          | 38.07           | -31.56    | -         | -9.54              | 33.65           | 53.9           | 20.2        | 150         | 0            | Floor Noise |
| Vert.    | 17895.000       | AV       | 37.00          | 40.12           | -28.82    | -         | -9.54              | 38.76           | 53.9           | 15.1        | 100         | 0            | Floor Noise |

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz)) - Gain(Amp) (1 GHz to 18 GHz) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Distance Fac.

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

Distance Fac. : 1 GHz to 10 GHz :  $20\log(3.87 [m] / 3.0 [m]) = 2.22 [dB]$

10 GHz to 40 GHz :  $20\log(1.00 [m] / 3.0 [m]) = -9.54 [dB]$

### Average measurement value with Duty Factor

| Polarity | Frequency [MHz] | Detector | Reading [dBuV] | Ant.Fac. [dB/m] | Loss [dB] | Gain [dB] | Duty Fac. [dB] | Distance Fac. [dB] | Result [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Remark |
|----------|-----------------|----------|----------------|-----------------|-----------|-----------|----------------|--------------------|-----------------|----------------|-------------|--------|
| Hori.    | 23860.000       | AV       | 41.96          | 40.10           | 13.53     | 46.73     | 0.20           | -9.54              | 39.52           | 53.9           | 14.3        | -      |
| Vert.    | 23860.000       | AV       | 41.85          | 40.10           | 13.53     | 46.73     | 0.20           | -9.54              | 39.41           | 53.9           | 14.4        | -      |

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz)) - Gain(Amp) + Duty Fac. + Distance Fac.

Distance Fac. : 1 GHz to 10 GHz :  $20\log(3.87 [m] / 3.0 [m]) = 2.22 [dB]$

10 GHz to 40 GHz :  $20\log(1.00 [m] / 3.0 [m]) = -9.54 [dB]$

Duty factor refer to "Burst rate confirmation" sheet.

### (Calculation) (above 1 GHz Outside of the restricted band)

(\* PK: Peak, AV: Average, QP: Quasi-Peak)

| Polarity | Frequency [MHz] | Detector | Reading [dBuV] | Ant.Fac. [dB/m] | Loss [dB] | Gain [dB] | Duty Fac. [dB] | Distance Fac. [dB] | Result [dBuV/m] | Result (EIRP) [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [deg.] | Remark |
|----------|-----------------|----------|----------------|-----------------|-----------|-----------|----------------|--------------------|-----------------|---------------------|-------------|-------------|-------------|--------------|--------|
| Hori.    | 5925.000        | PK       | 47.28          | 33.10           | -26.85    | -         | -              | 2.22               | 55.75           | -39.48              | -7.0        | 32.4        | 384         | 358          | -      |
| Hori.    | 35790.000       | PK       | 50.94          | 43.57           | 19.92     | 61.59     | -              | -9.54              | 43.30           | -51.93              | -7.0        | 44.9        | 159         | 285          | -      |
| Hori.    | 5925.000        | AV       | 36.30          | 33.10           | -26.85    | -         | 0.20           | 2.22               | 44.97           | -50.26              | -27.0       | 23.2        | 384         | 358          | -      |
| Hori.    | 35790.000       | AV       | 41.10          | 43.57           | 19.92     | 61.59     | 0.20           | -9.54              | 33.66           | -61.57              | -27.0       | 34.5        | 159         | 285          | -      |
| Vert.    | 5925.000        | PK       | 47.02          | 33.10           | -26.85    | -         | -              | 2.22               | 55.49           | -39.74              | -7.0        | 32.7        | 395         | 359          | -      |
| Vert.    | 35790.000       | PK       | 51.25          | 43.57           | 19.92     | 61.59     | -              | -9.54              | 43.61           | -51.62              | -7.0        | 44.6        | 156         | 246          | -      |
| Vert.    | 5925.000        | AV       | 36.49          | 33.10           | -26.85    | -         | 0.20           | 2.22               | 45.16           | -50.07              | -27.0       | 23.0        | 395         | 359          | -      |
| Vert.    | 35790.000       | AV       | 41.17          | 43.57           | 19.92     | 61.59     | 0.20           | -9.54              | 33.73           | -61.50              | -27.0       | 34.5        | 156         | 246          | -      |

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz)) - Gain(Amp) (1 GHz to 18 GHz) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Duty Fac. + Distance Fac.

Result (EIRP) [dBm] =  $10 * \log((10^{\frac{1}{10}} * (\text{Result [dBuV/m]} / 20) * 10^{\frac{1}{10}} * (-6) * \text{Distance : } 3 [m])^2 / 30 * 10^{\frac{1}{10}})$

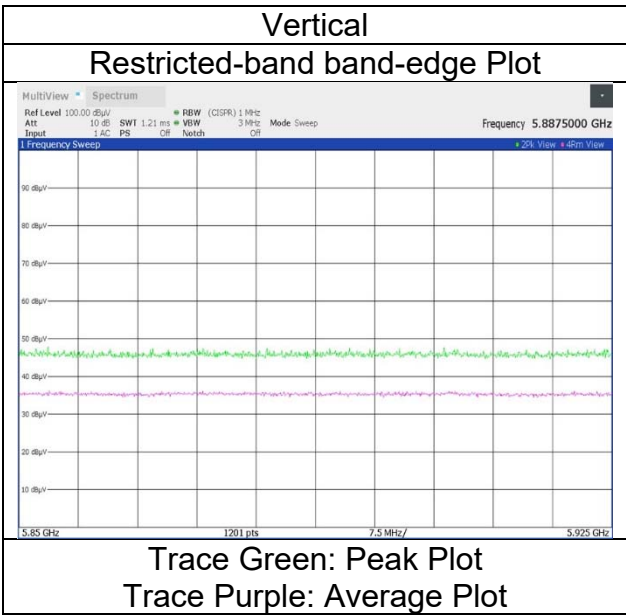
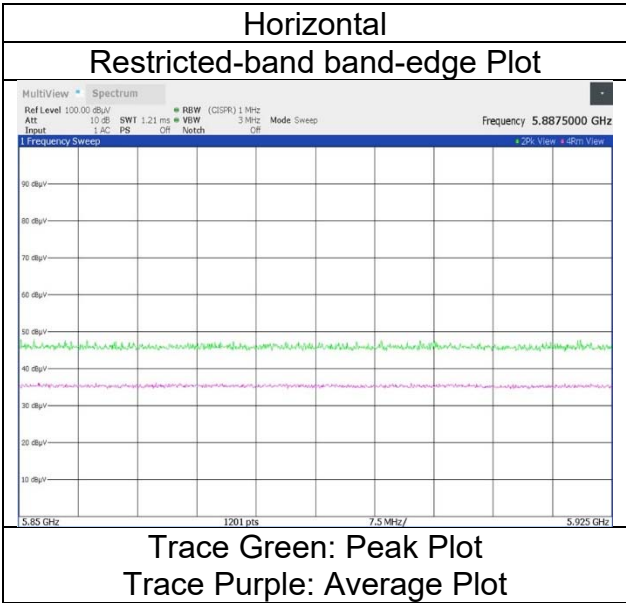
\*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance Fac. : 1 GHz to 10 GHz :  $20\log(3.87 [m] / 3.0 [m]) = 2.22 [dB]$

10 GHz to 40 GHz :  $20\log(1.00 [m] / 3.0 [m]) = -9.54 [dB]$

**Radiated Spurious Emission**

|                |                                 |             |          |                    |                   |
|----------------|---------------------------------|-------------|----------|--------------------|-------------------|
| Mode           | Tx 11ax-40(OFDM), MIMO 5965 MHz |             |          |                    |                   |
| Date           | Test site                       | Temperature | Humidity | Engineer           | Measurement Range |
| March 01, 2025 | WAC2                            | 20 deg. C   | 35 % RH  | Takayuki Kobayashi | 1 GHz to 10 GHz   |



\* 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

|      |                                 |
|------|---------------------------------|
| Mode | Tx 11ax-40(OFDM), MIMO 6205 MHz |
|------|---------------------------------|

| Date           | Test site | Temperature | Humidity | Engineer           | Measurement Range  |
|----------------|-----------|-------------|----------|--------------------|--------------------|
| March 01, 2025 | WAC2      | 20 deg. C   | 35 % RH  | Takayuki Kobayashi | 1 GHz to 10 GHz    |
| March 06, 2025 | WAC2      | 23 deg. C   | 40 % RH  | Yuta Shiba         | 10 GHz to 18 GHz   |
| March 07, 2025 | WAC2      | 21 deg. C   | 32 % RH  | Miku Ikudome       | 18 GHz to 26.5 GHz |
| March 10, 2025 | WAC2      | 23 deg. C   | 25 % RH  | Miku Ikudome       | 26.5 GHz to 40 GHz |

### (above 1 GHz Inside of the restricted band)

(\* PK: Peak, AV: Average, QP: Quasi-Peak)

| Polarity | Frequency [MHz] | Detector | Reading [dBuV] | Ant.Fac. [dB/m] | Loss [dB] | Gain [dB] | Distance Fac. [dB] | Result [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Height [cm] | Angle [deg.] | Remark      |
|----------|-----------------|----------|----------------|-----------------|-----------|-----------|--------------------|-----------------|----------------|-------------|-------------|--------------|-------------|
| Hori.    | 8273.333        | PK       | 47.47          | 37.33           | -32.80    | -         | 2.22               | 54.22           | 73.9           | 19.6        | 400         | 291          | -           |
| Hori.    | 12410.000       | PK       | 47.17          | 37.87           | -31.21    | -         | -9.54              | 44.29           | 73.9           | 29.6        | 150         | 0            | Floor Noise |
| Hori.    | 18615.000       | PK       | 44.31          | 40.08           | 11.89     | 48.19     | -9.54              | 38.55           | 73.9           | 35.3        | 150         | 0            | Floor Noise |
| Hori.    | 12410.000       | AV       | 36.78          | 37.87           | -31.21    | -         | -9.54              | 33.90           | 53.9           | 20.0        | 150         | 0            | Floor Noise |
| Hori.    | 18615.000       | AV       | 32.80          | 40.08           | 11.89     | 48.19     | -9.54              | 27.04           | 53.9           | 26.8        | 150         | 0            | Floor Noise |
| Vert.    | 8273.333        | PK       | 47.85          | 37.33           | -32.80    | -         | 2.22               | 54.60           | 73.9           | 19.3        | 388         | 165          | -           |
| Vert.    | 12410.000       | PK       | 47.85          | 37.87           | -31.21    | -         | -9.54              | 44.97           | 73.9           | 28.9        | 150         | 0            | Floor Noise |
| Vert.    | 18615.000       | PK       | 44.38          | 40.08           | 11.89     | 48.19     | -9.54              | 38.62           | 73.9           | 35.2        | 150         | 0            | Floor Noise |
| Vert.    | 12410.000       | AV       | 36.76          | 37.87           | -31.21    | -         | -9.54              | 33.88           | 53.9           | 20.0        | 150         | 0            | Floor Noise |
| Vert.    | 18615.000       | AV       | 32.78          | 40.08           | 11.89     | 48.19     | -9.54              | 27.02           | 53.9           | 26.8        | 150         | 0            | Floor Noise |

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Distance Fac.

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

Distance Fac.: 1 GHz to 10 GHz :  $20\log(3.87\text{ [m]} / 3.0\text{ [m]}) = 2.22\text{ [dB]}$

10 GHz to 40 GHz :  $20\log(1.00\text{ [m]} / 3.0\text{ [m]}) = -9.54\text{ [dB]}$

### Average measurement value with Duty Factor

| Polarity | Frequency [MHz] | Detector | Reading [dBuV] | Ant.Fac. [dB/m] | Loss [dB] | Gain [dB] | Duty Fac. [dB] | Distance Fac. [dB] | Result [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Remark |
|----------|-----------------|----------|----------------|-----------------|-----------|-----------|----------------|--------------------|-----------------|----------------|-------------|--------|
| Hori.    | 8273.333        | AV       | 35.69          | 37.33           | -32.80    | -         | 0.20           | 2.22               | 42.64           | 53.9           | 11.2        | *2)    |
| Vert.    | 8273.333        | AV       | 36.67          | 37.33           | -32.80    | -         | 0.20           | 2.22               | 43.62           | 53.9           | 10.2        | *2)    |

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Duty Fac. + Distance Fac.

Distance Fac.: 1 GHz to 10 GHz :  $20\log(3.87\text{ [m]} / 3.0\text{ [m]}) = 2.22\text{ [dB]}$

10 GHz to 40 GHz :  $20\log(1.00\text{ [m]} / 3.0\text{ [m]}) = -9.54\text{ [dB]}$

Duty factor refer to "Burst rate confirmation" sheet.

\*2) Noise synchronized with duty of carrier frequency.

### (Calculation) (above 1 GHz Outside of the restricted band)

(\* PK: Peak, AV: Average, QP: Quasi-Peak)

| Polarity | Frequency [MHz] | Detector | Reading [dBuV] | Ant.Fac. [dB/m] | Loss [dB] | Gain [dB] | Duty Fac. [dB] | Distance Fac. [dB] | Result [dBuV/m] | Result (EIRP) [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [deg.] | Remark |
|----------|-----------------|----------|----------------|-----------------|-----------|-----------|----------------|--------------------|-----------------|---------------------|-------------|-------------|-------------|--------------|--------|
| Hori.    | 24820.000       | PK       | 47.33          | 40.26           | 13.94     | 46.82     | -              | -9.54              | 45.17           | -50.06              | -7.0        | 43.0        | 153         | 351          | -      |
| Hori.    | 37230.000       | PK       | 52.39          | 44.16           | 20.40     | 63.69     | -              | -9.54              | 43.72           | -51.51              | -7.0        | 44.5        | 181         | 256          | -      |
| Hori.    | 24820.000       | AV       | 41.36          | 40.26           | 13.94     | 46.82     | 0.20           | -9.54              | 39.40           | -55.83              | -27.0       | 28.8        | 153         | 351          | -      |
| Hori.    | 37230.000       | AV       | 44.12          | 44.16           | 20.40     | 63.69     | 0.20           | -9.54              | 35.65           | -59.58              | -27.0       | 32.5        | 181         | 256          | -      |
| Vert.    | 24820.000       | PK       | 47.04          | 40.26           | 13.94     | 46.82     | -              | -9.54              | 44.88           | -50.35              | -7.0        | 43.3        | 158         | 254          | -      |
| Vert.    | 37230.000       | PK       | 51.73          | 44.16           | 20.40     | 63.69     | -              | -9.54              | 43.06           | -52.17              | -7.0        | 45.1        | 147         | 228          | -      |
| Vert.    | 24820.000       | AV       | 41.15          | 40.26           | 13.94     | 46.82     | 0.20           | -9.54              | 39.19           | -56.04              | -27.0       | 29.0        | 158         | 254          | -      |
| Vert.    | 37230.000       | AV       | 42.77          | 44.16           | 20.40     | 63.69     | 0.20           | -9.54              | 34.30           | -60.93              | -27.0       | 33.9        | 147         | 228          | -      |

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz)) - Gain(Amp) + Duty Fac. + Distance Fac.

Result (EIRP) [dBm] =  $10 \cdot \text{LOG}((10 \wedge (\text{Result [dBuV/m]} / 20) \cdot 10 \wedge (-6) \cdot \text{Distance : 3 [m]} \wedge 2 / 30 \cdot 10 \wedge 3))$

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

Distance Fac.: 1 GHz to 10 GHz :  $20\log(3.87\text{ [m]} / 3.0\text{ [m]}) = 2.22\text{ [dB]}$

10 GHz to 40 GHz :  $20\log(1.00\text{ [m]} / 3.0\text{ [m]}) = -9.54\text{ [dB]}$

## Radiated Spurious Emission

|      |                                 |
|------|---------------------------------|
| Mode | Tx 11ax-40(OFDM), MIMO 6405 MHz |
|------|---------------------------------|

| Date           | Test site | Temperature | Humidity | Engineer           | Measurement Range  |
|----------------|-----------|-------------|----------|--------------------|--------------------|
| March 01, 2025 | WAC2      | 20 deg. C   | 35 % RH  | Takayuki Kobayashi | 1 GHz to 10 GHz    |
| March 06, 2025 | WAC2      | 23 deg. C   | 40 % RH  | Yuta Shiba         | 10 GHz to 18 GHz   |
| March 07, 2025 | WAC2      | 21 deg. C   | 32 % RH  | Miku Ikudome       | 18 GHz to 26.5 GHz |
| March 10, 2025 | WAC2      | 23 deg. C   | 25 % RH  | Miku Ikudome       | 26.5 GHz to 40 GHz |

### (above 1 GHz Inside of the restricted band)

(\* PK: Peak, AV: Average, QP: Quasi-Peak)

| Polarity | Frequency | Detector | Reading | Ant.Fac. | Loss  | Gain  | Distance Fac. | Result   | Limit    | Margin | Height | Angle  | Remark      |
|----------|-----------|----------|---------|----------|-------|-------|---------------|----------|----------|--------|--------|--------|-------------|
|          | [MHz]     |          | [dBuV]  | [dB/m]   | [dB]  | [dB]  | [dB]          | [dBuV/m] | [dBuV/m] | [dB]   | [cm]   | [deg.] |             |
| Hori.    | 19215.000 | PK       | 43.73   | 40.33    | 12.14 | 47.98 | -9.54         | 38.68    | 73.9     | 35.2   | 150    | 0      | Floor Noise |
| Hori.    | 19215.000 | AV       | 32.54   | 40.33    | 12.14 | 47.98 | -9.54         | 27.49    | 53.9     | 26.4   | 150    | 0      | Floor Noise |
| Vert.    | 19215.000 | PK       | 43.76   | 40.33    | 12.14 | 47.98 | -9.54         | 38.71    | 73.9     | 35.1   | 150    | 0      | Floor Noise |
| Vert.    | 19215.000 | AV       | 32.58   | 40.33    | 12.14 | 47.98 | -9.54         | 27.53    | 53.9     | 26.3   | 150    | 0      | Floor Noise |

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz)) - Gain(Amp) + Distance Fac.

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

Distance Fac.: 1 GHz to 10 GHz : 20log (3.87 [m] / 3.0 [m]) = 2.22 [dB]

10 GHz to 40 GHz : 20log (1.00 [m] / 3.0 [m]) = -9.54 [dB]

### (Calculation) (above 1 GHz Outside of the restricted band)

(\* PK: Peak, AV: Average, QP: Quasi-Peak)

| Polarity | Frequency | Detector | Reading | Ant.Fac. | Loss   | Gain  | Duty Fac. | Distance Fac. | Result   | Result (EIRP) | Limit | Margin | Height | Angle  | Remark      |
|----------|-----------|----------|---------|----------|--------|-------|-----------|---------------|----------|---------------|-------|--------|--------|--------|-------------|
|          | [MHz]     |          | [dBuV]  | [dB/m]   | [dB]   | [dB]  | [dB]      | [dB]          | [dBuV/m] | [dBm]         | [dBm] | [dB]   | [cm]   | [deg.] |             |
| Hori.    | 12810.000 | PK       | 47.61   | 38.22    | -31.08 | -     | -         | -9.54         | 45.21    | -50.02        | -7.0  | 43.0   | 150    | 0      | Floor Noise |
| Hori.    | 25620.000 | PK       | 47.04   | 40.68    | 14.16  | 46.86 | -         | -9.54         | 45.48    | -49.75        | -7.0  | 42.7   | 148    | 308    | -           |
| Hori.    | 38430.000 | PK       | 52.54   | 44.00    | 20.85  | 64.56 | -         | -9.54         | 43.29    | -51.94        | -7.0  | 44.9   | 188    | 234    | -           |
| Hori.    | 12810.000 | AV       | 36.85   | 38.22    | -31.08 | -     | -         | -9.54         | 34.45    | -60.78        | -27.0 | 33.7   | 150    | 0      | Floor Noise |
| Hori.    | 25620.000 | AV       | 39.56   | 40.68    | 14.16  | 46.86 | 0.20      | -9.54         | 38.20    | -57.03        | -27.0 | 30.0   | 148    | 308    | -           |
| Hori.    | 38430.000 | AV       | 43.05   | 44.00    | 20.85  | 64.56 | 0.20      | -9.54         | 34.00    | -61.23        | -27.0 | 34.2   | 188    | 234    | -           |
| Vert.    | 12810.000 | PK       | 47.51   | 38.22    | -31.08 | -     | -         | -9.54         | 45.11    | -50.12        | -7.0  | 43.1   | 150    | 0      | Floor Noise |
| Vert.    | 25620.000 | PK       | 46.83   | 40.68    | 14.16  | 46.86 | -         | -9.54         | 45.27    | -49.96        | -7.0  | 42.9   | 145    | 241    | -           |
| Vert.    | 38430.000 | PK       | 52.59   | 44.00    | 20.85  | 64.56 | -         | -9.54         | 43.34    | -51.89        | -7.0  | 44.8   | 154    | 259    | -           |
| Vert.    | 12810.000 | AV       | 36.94   | 38.22    | -31.08 | -     | -         | -9.54         | 34.54    | -60.69        | -27.0 | 33.6   | 150    | 0      | Floor Noise |
| Vert.    | 25620.000 | AV       | 39.43   | 40.68    | 14.16  | 46.86 | 0.20      | -9.54         | 38.07    | -57.16        | -27.0 | 30.1   | 145    | 241    | -           |
| Vert.    | 38430.000 | AV       | 43.30   | 44.00    | 20.85  | 64.56 | 0.20      | -9.54         | 34.25    | -60.98        | -27.0 | 33.9   | 154    | 259    | -           |

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Duty Fac. + Distance Fac.

Result (EIRP) [dBm] = 10 \* LOG ( (10 ^ (Result [dBuV/m] / 20) ) \* 10 ^ (-6) \* Distance : 3 [m] ) ^ 2 / 30 \* 10 ^ 3)

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

Distance Fac.: 1 GHz to 10 GHz : 20log (3.87 [m] / 3.0 [m]) = 2.22 [dB]

10 GHz to 40 GHz : 20log (1.00 [m] / 3.0 [m]) = -9.54 [dB]

## Radiated Spurious Emission

|      |                                 |
|------|---------------------------------|
| Mode | Tx 11ax-40(OFDM), MIMO 6565 MHz |
|------|---------------------------------|

| Date           | Test site | Temperature | Humidity | Engineer           | Measurement Range  |
|----------------|-----------|-------------|----------|--------------------|--------------------|
| March 01, 2025 | WAC2      | 20 deg. C   | 35 % RH  | Takayuki Kobayashi | 1 GHz to 10 GHz    |
| March 06, 2025 | WAC2      | 23 deg. C   | 40 % RH  | Yuta Shiba         | 10 GHz to 18 GHz   |
| March 07, 2025 | WAC2      | 21 deg. C   | 32 % RH  | Shiro Kobayashi    | 18 GHz to 26.5 GHz |
| March 10, 2025 | WAC2      | 23 deg. C   | 25 % RH  | Miku Ikudome       | 26.5 GHz to 40 GHz |

### (above 1 GHz Inside of the restricted band)

(\* PK: Peak, AV: Average, QP: Quasi-Peak)

| Polarity | Frequency | Detector | Reading | Ant.Fac. | Loss  | Gain  | Distance Fac. | Result   | Limit    | Margin | Height | Angle  | Remark      |
|----------|-----------|----------|---------|----------|-------|-------|---------------|----------|----------|--------|--------|--------|-------------|
|          | [MHz]     |          | [dBuV]  | [dB/m]   | [dB]  | [dB]  | [dB]          | [dBuV/m] | [dBuV/m] | [dB]   | [cm]   | [deg.] |             |
| Hori.    | 19695.000 | PK       | 42.15   | 40.20    | 12.26 | 47.54 | -9.54         | 37.53    | 73.9     | 36.3   | 150    | 0      | Floor Noise |
| Hori.    | 39390.000 | PK       | 54.32   | 44.02    | 21.15 | 63.91 | -9.54         | 46.04    | 73.9     | 27.8   | 153    | 250    | -           |
| Hori.    | 19695.000 | AV       | 31.78   | 40.20    | 12.26 | 47.54 | -9.54         | 27.16    | 53.9     | 26.7   | 150    | 0      | Floor Noise |
| Vert.    | 19695.000 | PK       | 43.17   | 40.20    | 12.26 | 47.54 | -9.54         | 38.55    | 73.9     | 35.3   | 150    | 0      | Floor Noise |
| Vert.    | 39390.000 | PK       | 53.82   | 44.02    | 21.15 | 63.91 | -9.54         | 45.54    | 73.9     | 28.3   | 148    | 230    | -           |
| Vert.    | 19695.000 | AV       | 32.20   | 40.20    | 12.26 | 47.54 | -9.54         | 27.58    | 53.9     | 26.3   | 150    | 0      | Floor Noise |

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz)) - Gain(Amp) + Distance Fac.

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

Distance Fac. : 1 GHz to 10 GHz :  $20\log(3.87[m]/3.0[m]) = 2.22[dB]$

10 GHz to 40 GHz :  $20\log(1.00[m]/3.0[m]) = -9.54[dB]$

### Average measurement value with Duty Factor

| Polarity | Frequency | Detector | Reading | Ant.Fac. | Loss  | Gain  | Duty Fac. | Distance Fac. | Result   | Limit    | Margin | Remark |
|----------|-----------|----------|---------|----------|-------|-------|-----------|---------------|----------|----------|--------|--------|
|          | [MHz]     |          | [dBuV]  | [dB/m]   | [dB]  | [dB]  | [dB]      | [dB]          | [dBuV/m] | [dBuV/m] | [dB]   |        |
| Hori.    | 39390.000 | AV       | 46.13   | 44.02    | 21.15 | 63.91 | 0.20      | -9.54         | 38.05    | 53.9     | 15.8   | -      |
| Vert.    | 39390.000 | AV       | 45.37   | 44.02    | 21.15 | 63.91 | 0.20      | -9.54         | 37.29    | 53.9     | 16.6   | -      |

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz)) - Gain(Amp) + Duty Fac. + Distance Fac.

Distance Fac. : 1 GHz to 10 GHz :  $20\log(3.87[m]/3.0[m]) = 2.22[dB]$

10 GHz to 40 GHz :  $20\log(1.00[m]/3.0[m]) = -9.54[dB]$

Duty factor refer to "Burst rate confirmation" sheet.

### (Calculation) (above 1 GHz Outside of the restricted band)

(\* PK: Peak, AV: Average, QP: Quasi-Peak)

| Polarity | Frequency | Detector | Reading | Ant.Fac. | Loss   | Gain  | Duty Fac. | Distance Fac. | Result   | Result (EIRP) | Limit | Margin | Height | Angle  | Remark      |
|----------|-----------|----------|---------|----------|--------|-------|-----------|---------------|----------|---------------|-------|--------|--------|--------|-------------|
|          | [MHz]     |          | [dBuV]  | [dB/m]   | [dB]   | [dB]  | [dB]      | [dB]          | [dBuV/m] | [dBm]         | [dBm] | [dB]   | [cm]   | [deg.] |             |
| Hori.    | 13130.000 | PK       | 47.55   | 38.54    | -30.96 | -     | -         | -9.54         | 45.59    | -49.64        | -7.0  | 42.6   | 150    | 0      | Floor Noise |
| Hori.    | 26260.000 | PK       | 48.48   | 40.47    | 14.30  | 46.98 | -         | -9.54         | 46.73    | -48.50        | -7.0  | 41.5   | 162    | 239    | -           |
| Hori.    | 13130.000 | AV       | 37.12   | 38.54    | -30.96 | -     | -         | -9.54         | 35.16    | -60.07        | -27.0 | 33.0   | 150    | 0      | Floor Noise |
| Hori.    | 26260.000 | AV       | 43.81   | 40.47    | 14.30  | 46.98 | 0.20      | -9.54         | 42.26    | -52.97        | -27.0 | 25.9   | 162    | 239    | -           |
| Vert.    | 13130.000 | PK       | 47.83   | 38.54    | -30.96 | -     | -         | -9.54         | 45.87    | -49.36        | -7.0  | 42.3   | 150    | 0      | Floor Noise |
| Vert.    | 26260.000 | PK       | 47.31   | 40.47    | 14.30  | 46.98 | -         | -9.54         | 45.56    | -49.67        | -7.0  | 42.6   | 148    | 260    | -           |
| Vert.    | 13130.000 | AV       | 36.89   | 38.54    | -30.96 | -     | -         | -9.54         | 34.93    | -60.30        | -27.0 | 33.3   | 150    | 0      | Floor Noise |
| Vert.    | 26260.000 | AV       | 41.11   | 40.47    | 14.30  | 46.98 | 0.20      | -9.54         | 39.56    | -55.67        | -27.0 | 28.6   | 148    | 260    | -           |

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz)) - Gain(Amp) (1 GHz to 18 GHz) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Duty Fac. + Distance Fac.

Result (EIRP) [dBm] =  $10 * \text{LOG}((10^{\wedge}(\text{Result}[\text{dBuV/m}]/20)) * 10^{\wedge}(-6) * \text{Distance} : 3[m])^{\wedge}2 / 30 * 10^{\wedge}3)$

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

Distance Fac. : 1 GHz to 10 GHz :  $20\log(3.87[m]/3.0[m]) = 2.22[dB]$

10 GHz to 40 GHz :  $20\log(1.00[m]/3.0[m]) = -9.54[dB]$

## Radiated Spurious Emission

|      |                                 |
|------|---------------------------------|
| Mode | Tx 11ax-40(OFDM), MIMO 6685 MHz |
|------|---------------------------------|

| Date           | Test site | Temperature | Humidity | Engineer           | Measurement Range  |
|----------------|-----------|-------------|----------|--------------------|--------------------|
| March 01, 2025 | WAC2      | 20 deg. C   | 35 % RH  | Takayuki Kobayashi | 1 GHz to 10 GHz    |
| March 06, 2025 | WAC2      | 23 deg. C   | 40 % RH  | Yuta Shiba         | 10 GHz to 18 GHz   |
| March 07, 2025 | WAC2      | 21 deg. C   | 32 % RH  | Shiro Kobayashi    | 18 GHz to 26.5 GHz |
| March 10, 2025 | WAC2      | 23 deg. C   | 25 % RH  | Miku Ikudome       | 26.5 GHz to 40 GHz |

### (above 1 GHz Inside of the restricted band)

(\* PK: Peak, AV: Average, QP: Quasi-Peak)

| Polarity | Frequency | Detector | Reading | Ant.Fac. | Loss   | Gain  | Distance Fac. | Result   | Limit    | Margin | Height | Angle  | Remark      |
|----------|-----------|----------|---------|----------|--------|-------|---------------|----------|----------|--------|--------|--------|-------------|
|          | [MHz]     |          | [dBuV]  | [dB/m]   | [dB]   | [dB]  | [dB]          | [dBuV/m] | [dBuV/m] | [dB]   | [cm]   | [deg.] |             |
| Hori.    | 13370.000 | PK       | 47.31   | 38.70    | -30.80 | -     | -9.54         | 45.67    | 73.9     | 28.2   | 150    | 0      | Floor Noise |
| Hori.    | 20055.000 | PK       | 42.86   | 40.16    | 12.32  | 47.06 | -9.54         | 38.74    | 73.9     | 35.1   | 150    | 0      | Floor Noise |
| Hori.    | 13370.000 | AV       | 36.91   | 38.70    | -30.80 | -     | -9.54         | 35.27    | 53.9     | 18.6   | 150    | 0      | Floor Noise |
| Hori.    | 20055.000 | AV       | 31.37   | 40.16    | 12.32  | 47.06 | -9.54         | 27.25    | 53.9     | 26.6   | 150    | 0      | Floor Noise |
| Vert.    | 13370.000 | PK       | 47.40   | 38.70    | -30.80 | -     | -9.54         | 45.76    | 73.9     | 28.1   | 150    | 0      | Floor Noise |
| Vert.    | 20055.000 | PK       | 41.89   | 40.16    | 12.32  | 47.06 | -9.54         | 37.77    | 73.9     | 36.1   | 150    | 0      | Floor Noise |
| Vert.    | 13370.000 | AV       | 36.88   | 38.70    | -30.80 | -     | -9.54         | 35.24    | 53.9     | 18.6   | 150    | 0      | Floor Noise |
| Vert.    | 20055.000 | AV       | 31.03   | 40.16    | 12.32  | 47.06 | -9.54         | 26.91    | 53.9     | 26.9   | 150    | 0      | Floor Noise |

Result = Reading + Ant.Fac. + Loss (Cable + (Attenu or Filter)(below 18 GHz)) - Gain(Amp) (1 GHz to 18 GHz) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Distance Fac.

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

Distance Fac. : 1 GHz to 10 GHz :  $20\log(3.87[m]/3.0[m]) = 2.22[dB]$

10 GHz to 40 GHz :  $20\log(1.00[m]/3.0[m]) = -9.54[dB]$

### (Calculation) (above 1 GHz Outside of the restricted band)

(\* PK: Peak, AV: Average, QP: Quasi-Peak)

| Polarity | Frequency | Detector | Reading | Ant.Fac. | Loss  | Gain  | Duty Fac. | Distance Fac. | Result   | Result (EIRP) | Limit | Margin | Height | Angle  | Remark |
|----------|-----------|----------|---------|----------|-------|-------|-----------|---------------|----------|---------------|-------|--------|--------|--------|--------|
|          | [MHz]     |          | [dBuV]  | [dB/m]   | [dB]  | [dB]  | [dB]      | [dB]          | [dBuV/m] | [dBm]         | [dBm] | [dB]   | [cm]   | [deg.] |        |
| Hori.    | 26740.000 | PK       | 57.13   | 43.22    | 16.79 | 60.19 | -         | -9.54         | 47.41    | -47.82        | -7.0  | 40.8   | 152    | 236    | -      |
| Hori.    | 26740.000 | AV       | 52.70   | 43.22    | 16.79 | 60.19 | 0.20      | -9.54         | 43.18    | -52.05        | -27.0 | 25.0   | 152    | 236    | -      |
| Vert.    | 26740.000 | PK       | 56.53   | 43.22    | 16.79 | 60.19 | -         | -9.54         | 46.81    | -48.42        | -7.0  | 41.4   | 157    | 253    | -      |
| Vert.    | 26740.000 | AV       | 52.12   | 43.22    | 16.79 | 60.19 | 0.20      | -9.54         | 42.60    | -52.63        | -27.0 | 25.6   | 157    | 253    | -      |

Result = Reading + Ant.Fac. + Loss (Cable + (Attenu or Filter)(below 18 GHz)) - Gain(Amp) + Duty Fac. + Distance Fac.

Result (EIRP) [dBm] =  $10 * \text{LOG}((10^{(Result [dBuV/m] / 20)}) * 10^{(-6)} * \text{Distance} : 3[m])^2 / 30 * 10^{(-3)})$

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

Distance Fac. : 1 GHz to 10 GHz :  $20\log(3.87[m]/3.0[m]) = 2.22[dB]$

10 GHz to 40 GHz :  $20\log(1.00[m]/3.0[m]) = -9.54[dB]$

## Radiated Spurious Emission

|      |                                 |
|------|---------------------------------|
| Mode | Tx 11ax-40(OFDM), MIMO 6845 MHz |
|------|---------------------------------|

| Date           | Test site | Temperature | Humidity | Engineer           | Measurement Range  |
|----------------|-----------|-------------|----------|--------------------|--------------------|
| March 01, 2025 | WAC2      | 20 deg. C   | 35 % RH  | Takayuki Kobayashi | 1 GHz to 10 GHz    |
| March 06, 2025 | WAC2      | 23 deg. C   | 40 % RH  | Yuta Shiba         | 10 GHz to 18 GHz   |
| March 07, 2025 | WAC2      | 21 deg. C   | 32 % RH  | Shiro Kobayashi    | 18 GHz to 26.5 GHz |
| March 10, 2025 | WAC2      | 23 deg. C   | 25 % RH  | Miku Ikudome       | 26.5 GHz to 40 GHz |

### (above 1 GHz Inside of the restricted band)

(\* PK: Peak, AV: Average, QP: Quasi-Peak)

| Polarity | Frequency | Detector | Reading | Ant.Fac. | Loss  | Gain  | Distance Fac. | Result   | Limit    | Margin | Height | Angle  | Remark      |
|----------|-----------|----------|---------|----------|-------|-------|---------------|----------|----------|--------|--------|--------|-------------|
|          | [MHz]     |          | [dBuV]  | [dB/m]   | [dB]  | [dB]  | [dB]          | [dBuV/m] | [dBuV/m] | [dB]   | [cm]   | [deg.] |             |
| Hori.    | 20535.000 | PK       | 41.91   | 40.17    | 12.61 | 46.94 | -9.54         | 38.21    | 73.9     | 35.6   | 150    | 0      | Floor Noise |
| Hori.    | 20535.000 | AV       | 31.13   | 40.17    | 12.61 | 46.94 | -9.54         | 27.43    | 53.9     | 26.4   | 150    | 0      | Floor Noise |
| Vert.    | 20535.000 | PK       | 41.25   | 40.17    | 12.61 | 46.94 | -9.54         | 37.55    | 73.9     | 36.3   | 150    | 0      | Floor Noise |
| Vert.    | 20535.000 | AV       | 30.87   | 40.17    | 12.61 | 46.94 | -9.54         | 27.17    | 53.9     | 26.7   | 150    | 0      | Floor Noise |

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz)) - Gain(Amp) + Distance Fac.

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

Distance Fac.: 1 GHz to 10 GHz : 20log (3.87 [m] / 3.0 [m]) = 2.22 [dB]

10 GHz to 40 GHz : 20log (1.00 [m] / 3.0 [m]) = -9.54 [dB]

### (Calculation) (above 1 GHz Outside of the restricted band)

(\* PK: Peak, AV: Average, QP: Quasi-Peak)

| Polarity | Frequency | Detector | Reading | Ant.Fac. | Loss   | Gain  | Duty Fac. | Distance Fac. | Result   | Result (EIRP) | Limit | Margin | Height | Angle  | Remark      |
|----------|-----------|----------|---------|----------|--------|-------|-----------|---------------|----------|---------------|-------|--------|--------|--------|-------------|
|          | [MHz]     |          | [dBuV]  | [dB/m]   | [dB]   | [dB]  | [dB]      | [dB]          | [dBuV/m] | [dBm]         | [dBm] | [dB]   | [cm]   | [deg.] |             |
| Hori.    | 7125.000  | PK       | 47.66   | 35.92    | -26.09 | -     | -         | 2.22          | 59.71    | -35.52        | -7.0  | 28.5   | 400    | 39     | Floor Noise |
| Hori.    | 13690.000 | PK       | 48.42   | 38.67    | -30.58 | -     | -         | -9.54         | 46.97    | -48.26        | -7.0  | 41.2   | 178    | 159    | -           |
| Hori.    | 27380.000 | PK       | 56.68   | 43.49    | 17.08  | 60.71 | -         | -9.54         | 47.00    | -48.23        | -7.0  | 41.2   | 167    | 250    | -           |
| Hori.    | 7125.000  | AV       | 36.05   | 35.92    | -26.09 | -     | -         | 2.22          | 48.10    | -47.13        | -27.0 | 20.1   | 400    | 39     | Floor Noise |
| Hori.    | 13690.000 | AV       | 37.75   | 38.67    | -30.58 | -     | 0.20      | -9.54         | 36.50    | -58.73        | -27.0 | 31.7   | 178    | 159    | -           |
| Hori.    | 27380.000 | AV       | 51.97   | 43.49    | 17.08  | 60.71 | 0.20      | -9.54         | 42.49    | -52.74        | -27.0 | 25.7   | 167    | 250    | -           |
| Vert.    | 7125.000  | PK       | 47.37   | 35.92    | -26.09 | -     | -         | 2.22          | 59.42    | -35.81        | -7.0  | 28.8   | 379    | 26     | Floor Noise |
| Vert.    | 13690.000 | PK       | 48.08   | 38.67    | -30.58 | -     | -         | -9.54         | 46.63    | -48.60        | -7.0  | 41.6   | 149    | 133    | -           |
| Vert.    | 27380.000 | PK       | 53.86   | 43.49    | 17.08  | 60.71 | -         | -9.54         | 44.18    | -51.05        | -7.0  | 44.0   | 155    | 241    | -           |
| Vert.    | 7125.000  | AV       | 36.31   | 35.92    | -26.09 | -     | -         | 2.22          | 48.36    | -46.87        | -27.0 | 19.8   | 379    | 26     | Floor Noise |
| Vert.    | 13690.000 | AV       | 37.96   | 38.67    | -30.58 | -     | 0.20      | -9.54         | 36.71    | -58.52        | -27.0 | 31.5   | 149    | 133    | -           |
| Vert.    | 27380.000 | AV       | 47.01   | 43.49    | 17.08  | 60.71 | 0.20      | -9.54         | 37.53    | -57.70        | -27.0 | 30.7   | 155    | 241    | -           |

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Duty Fac. + Distance Fac.

Result (EIRP) [dBm] = 10 \* LOG ( (10 ^ (Result [dBuV/m] / 20) ) \* 10 ^ (-6) \* Distance : 3 [m] ) ^ 2 / 30 \* 10 ^ 3)

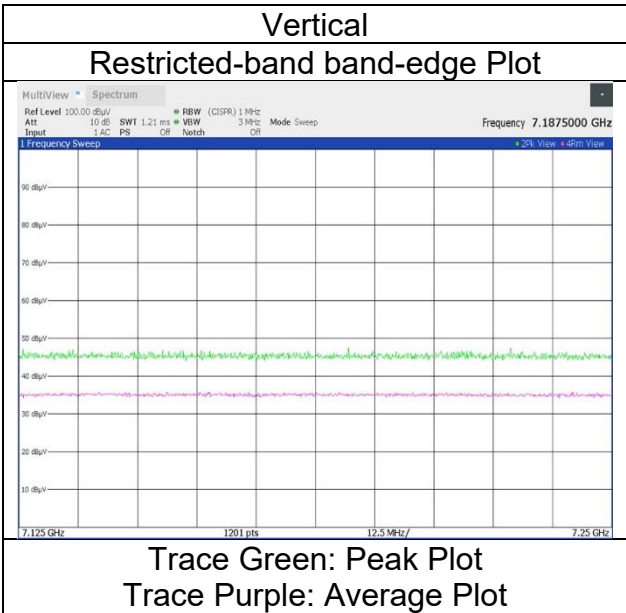
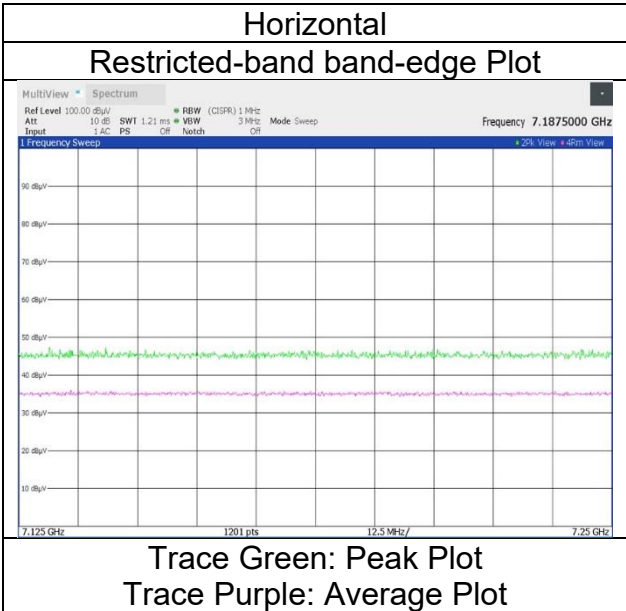
\*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance Fac.: 1 GHz to 10 GHz : 20log (3.87 [m] / 3.0 [m]) = 2.22 [dB]

10 GHz to 40 GHz : 20log (1.00 [m] / 3.0 [m]) = -9.54 [dB]

Radiated Spurious Emission

|                |                                 |             |          |                    |                   |
|----------------|---------------------------------|-------------|----------|--------------------|-------------------|
| Mode           | Tx 11ax-40(OFDM), MIMO 6845 MHz |             |          |                    |                   |
| Date           | Test site                       | Temperature | Humidity | Engineer           | Measurement Range |
| March 01, 2025 | WAC2                            | 20 deg. C   | 35 % RH  | Takayuki Kobayashi | 1 GHz to 10 GHz   |



\* 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**

|                |                                                         |             |          |                 |                   |
|----------------|---------------------------------------------------------|-------------|----------|-----------------|-------------------|
| Mode           | Tx 11ax-40(OFDMA) 26-tone RU, RU Index 0, MIMO 5965 MHz |             |          |                 |                   |
| Date           | Test site                                               | Temperature | Humidity | Engineer        | Measurement Range |
| March 02, 2025 | WAC2                                                    | 23 deg. C   | 32 % RH  | Yosuke Murakami | 1 GHz to 8 GHz    |

**(Calculation) (above 1 GHz Outside of the restricted band)**

| (* PK: Peak, AV: Average, QP: Quasi-Peak) |           |          |         |           |        |      |           |               |          |               |       |        |        |        |        |  |
|-------------------------------------------|-----------|----------|---------|-----------|--------|------|-----------|---------------|----------|---------------|-------|--------|--------|--------|--------|--|
| Polarity                                  | Frequency | Detector | Reading | Ant. Fac. | Loss   | Gain | Duty Fac. | Distance Fac. | Result   | Result (EIRP) | Limit | Margin | Height | Angle  | Remark |  |
|                                           | [MHz]     |          | [dBuV]  | [dB/m]    | [dB]   | [dB] | [dB]      | [dB]          | [dBuV/m] | [dBm]         | [dBm] | [dB]   | [cm]   | [deg.] |        |  |
| Hori.                                     | 5925.000  | PK       | 47.89   | 33.10     | -26.85 | -    | -         | 2.22          | 56.36    | -38.87        | -7.0  | 31.8   | 352    | 358    | -      |  |
| Hori.                                     | 5925.000  | AV       | 34.88   | 33.10     | -26.85 | -    | 0.24      | 2.22          | 43.59    | -51.64        | -27.0 | 24.6   | 352    | 358    | -      |  |
| Vert.                                     | 5925.000  | PK       | 47.49   | 33.10     | -26.85 | -    | -         | 2.22          | 55.96    | -39.27        | -7.0  | 32.2   | 363    | 351    | -      |  |
| Vert.                                     | 5925.000  | AV       | 34.81   | 33.10     | -26.85 | -    | 0.24      | 2.22          | 43.52    | -51.71        | -27.0 | 24.7   | 363    | 351    | -      |  |

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Duty Fac. + Distance Fac.

Result (EIRP) [dBm] = 10 \* LOG ( (10 ^ (Result [dBuV/m] / 20 ) \* 10 ^ (-6) \* Distance : 3 [m] ) ^ 2 / 30 \* 10 ^ 3)

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

Distance Fac. : 1 GHz to 10 GHz : 20log (3.87 [m] / 3.0 [m]) = 2.22 [dB]

10 GHz to 40 GHz : 20log (1.00 [m] / 3.0 [m]) = -9.54 [dB]



\* 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**

|                |                                                          |             |          |                 |                   |
|----------------|----------------------------------------------------------|-------------|----------|-----------------|-------------------|
| Mode           | Tx 11ax-40(OFDMA) 26-tone RU, RU Index 17, MIMO 6845 MHz |             |          |                 |                   |
| Date           | Test site                                                | Temperature | Humidity | Engineer        | Measurement Range |
| March 02, 2025 | WAC2                                                     | 23 deg. C   | 32 % RH  | Yosuke Murakami | 1 GHz to 8 GHz    |

**(Calculation) (above 1 GHz Outside of the restricted band)**

| (* PK: Peak, AV: Average, QP: Quasi-Peak) |           |          |         |          |        |      |           |               |          |               |       |        |        |        |             |
|-------------------------------------------|-----------|----------|---------|----------|--------|------|-----------|---------------|----------|---------------|-------|--------|--------|--------|-------------|
| Polarity                                  | Frequency | Detector | Reading | Ant.Fac. | Loss   | Gain | Duty Fac. | Distance Fac. | Result   | Result (EIRP) | Limit | Margin | Height | Angle  | Remark      |
|                                           | [MHz]     |          | [dBuV]  | [dB/m]   | [dB]   | [dB] | [dB]      | [dB]          | [dBuV/m] | [dBm]         | [dBm] | [dB]   | [cm]   | [deg.] |             |
| Hori.                                     | 7125.000  | PK       | 47.79   | 35.92    | -26.09 | -    | -         | 2.22          | 59.84    | -35.39        | -7.0  | 28.3   | 340    | 34     | Floor Noise |
| Hori.                                     | 7125.000  | AV       | 35.43   | 35.92    | -26.09 | -    | -         | 2.22          | 47.48    | -47.75        | -27.0 | 20.7   | 340    | 34     | Floor Noise |
| Vert.                                     | 7125.000  | PK       | 47.32   | 35.92    | -26.09 | -    | -         | 2.22          | 59.37    | -35.86        | -7.0  | 28.8   | 371    | 358    | Floor Noise |
| Vert.                                     | 7125.000  | AV       | 35.26   | 35.92    | -26.09 | -    | -         | 2.22          | 47.31    | -47.92        | -27.0 | 20.9   | 371    | 358    | Floor Noise |

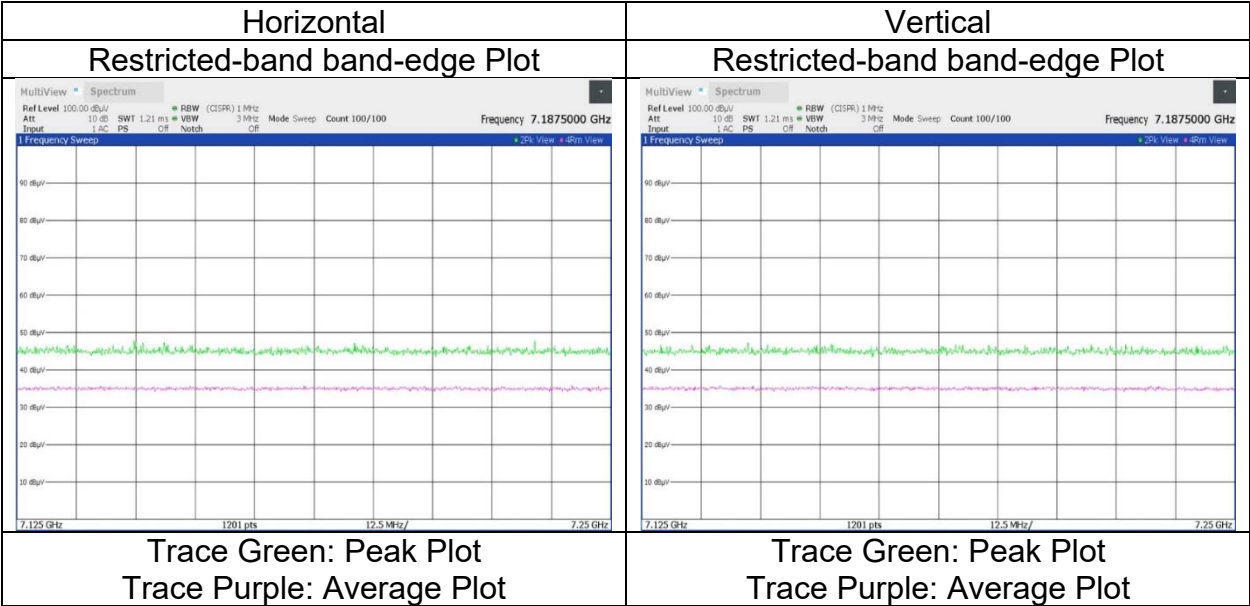
Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Duty Fac. + Distance Fac.

Result (EIRP) [dBm] = 10 \* LOG ( (10 ^ (Result [dBuV/m] / 20) ) \* 10 ^ (-6) \* Distance : 3 [m] ) ^ 2 / 30 \* 10 ^ 3 )

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

Distance Fac. : 1 GHz to 10 GHz : 20log (3.87 [m] / 3.0 [m]) = 2.22 [dB]

10 GHz to 40 GHz : 20log (1.00 [m] / 3.0 [m]) = -9.54 [dB]



\* 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**

|                |                                                          |             |          |                 |                   |
|----------------|----------------------------------------------------------|-------------|----------|-----------------|-------------------|
| Mode           | Tx 11ax-40(OFDMA) 52-tone RU, RU Index 37, MIMO 5965 MHz |             |          |                 |                   |
| Date           | Test site                                                | Temperature | Humidity | Engineer        | Measurement Range |
| March 02, 2025 | WAC2                                                     | 23 deg. C   | 32 % RH  | Yosuke Murakami | 1 GHz to 8 GHz    |

**(Calculation) (above 1 GHz Outside of the restricted band)**

| (* PK: Peak, AV: Average, QP: Quasi-Peak) |           |          |         |          |        |      |           |               |          |               |       |        |        |        |        |
|-------------------------------------------|-----------|----------|---------|----------|--------|------|-----------|---------------|----------|---------------|-------|--------|--------|--------|--------|
| Polarity                                  | Frequency | Detector | Reading | Ant.Fac. | Loss   | Gain | Duty Fac. | Distance Fac. | Result   | Result (EIRP) | Limit | Margin | Height | Angle  | Remark |
|                                           | [MHz]     |          | [dBuV]  | [dB/m]   | [dB]   | [dB] | [dB]      | [dB]          | [dBuV/m] | [dBm]         | [dBm] | [dB]   | [cm]   | [deg.] |        |
| Hori.                                     | 5925.000  | PK       | 47.84   | 33.10    | -26.85 | -    | -         | 2.22          | 56.31    | -38.92        | -7.0  | 31.9   | 369    | 359    | -      |
| Hori.                                     | 5925.000  | AV       | 35.43   | 33.10    | -26.85 | -    | 0.24      | 2.22          | 44.14    | -51.09        | -27.0 | 24.0   | 369    | 359    | -      |
| Vert.                                     | 5925.000  | PK       | 47.83   | 33.10    | -26.85 | -    | -         | 2.22          | 56.30    | -38.93        | -7.0  | 31.9   | 349    | 5      | -      |
| Vert.                                     | 5925.000  | AV       | 35.37   | 33.10    | -26.85 | -    | 0.24      | 2.22          | 44.08    | -51.15        | -27.0 | 24.1   | 349    | 5      | -      |

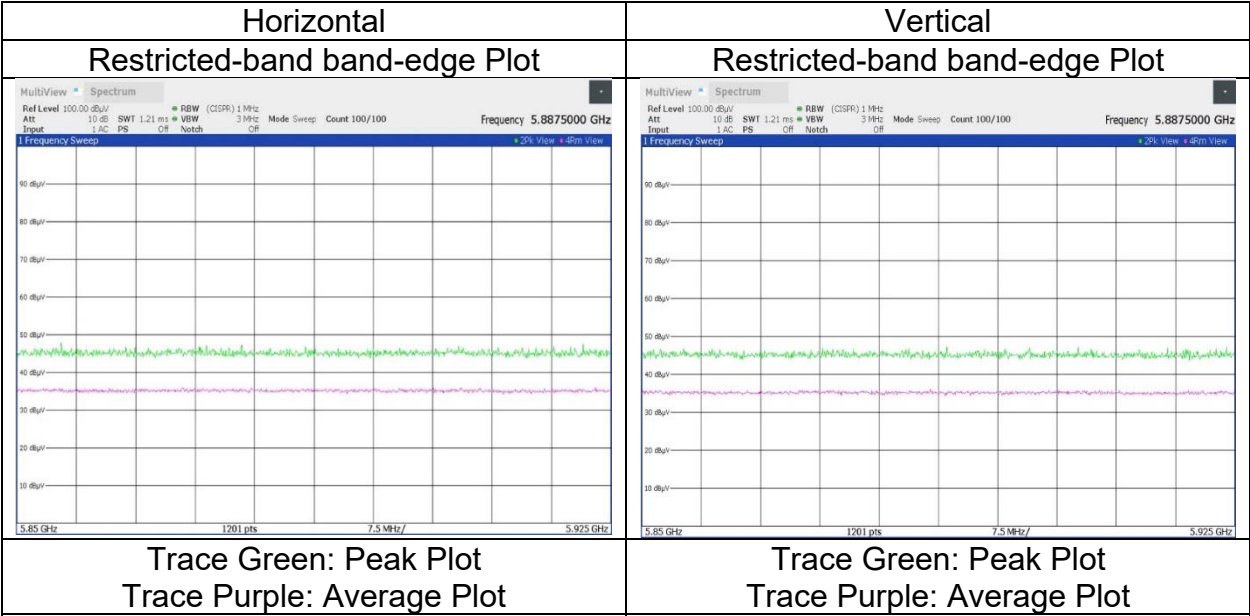
Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Duty Fac. + Distance Fac.

Result (EIRP) [dBm] = 10 \* LOG ( (10 ^ (Result [dBuV/m] / 20) ) \* 10 ^ (-6) \* Distance : 3 [m] ) ^ 2 / 30 \* 10 ^ 3 )

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

Distance Fac. : 1 GHz to 10 GHz : 20log (3.87 [m] / 3.0 [m]) = 2.22 [dB]

10 GHz to 40 GHz : 20log (1.00 [m] / 3.0 [m]) = -9.54 [dB]



\* 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

|      |                                                          |  |  |  |  |
|------|----------------------------------------------------------|--|--|--|--|
| Mode | Tx 11ax-40(OFDMA) 52-tone RU, RU Index 44, MIMO 6845 MHz |  |  |  |  |
|------|----------------------------------------------------------|--|--|--|--|

| Date           | Test site | Temperature | Humidity | Engineer        | Measurement Range |
|----------------|-----------|-------------|----------|-----------------|-------------------|
| March 02, 2025 | WAC2      | 23 deg. C   | 32 % RH  | Yosuke Murakami | 1 GHz to 8 GHz    |

### (Calculation) (above 1 GHz Outside of the restricted band)

(\* PK: Peak, AV: Average, QP: Quasi-Peak)

| Polarity | Frequency [MHz] | Detector | Reading [dBuV] | Ant. Fac. [dB/m] | Loss [dB] | Gain [dB] | Duty Fac. [dB] | Distance Fac. [dB] | Result [dBuV/m] | Result (EIRP) [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [deg.] | Remark      |
|----------|-----------------|----------|----------------|------------------|-----------|-----------|----------------|--------------------|-----------------|---------------------|-------------|-------------|-------------|--------------|-------------|
| Hori.    | 7125.000        | PK       | 47.44          | 35.92            | -26.09    | -         | -              | 2.22               | 59.49           | -35.74              | -7.0        | 28.7        | 400         | 37           | Floor Noise |
| Hori.    | 7125.000        | AV       | 36.10          | 35.92            | -26.09    | -         | -              | 2.22               | 48.15           | -47.08              | -27.0       | 20.0        | 400         | 37           | Floor Noise |
| Vert.    | 7125.000        | PK       | 48.12          | 35.92            | -26.09    | -         | -              | 2.22               | 60.17           | -35.06              | -7.0        | 28.0        | 400         | 333          | Floor Noise |
| Vert.    | 7125.000        | AV       | 36.04          | 35.92            | -26.09    | -         | -              | 2.22               | 48.09           | -47.14              | -27.0       | 20.1        | 400         | 333          | Floor Noise |

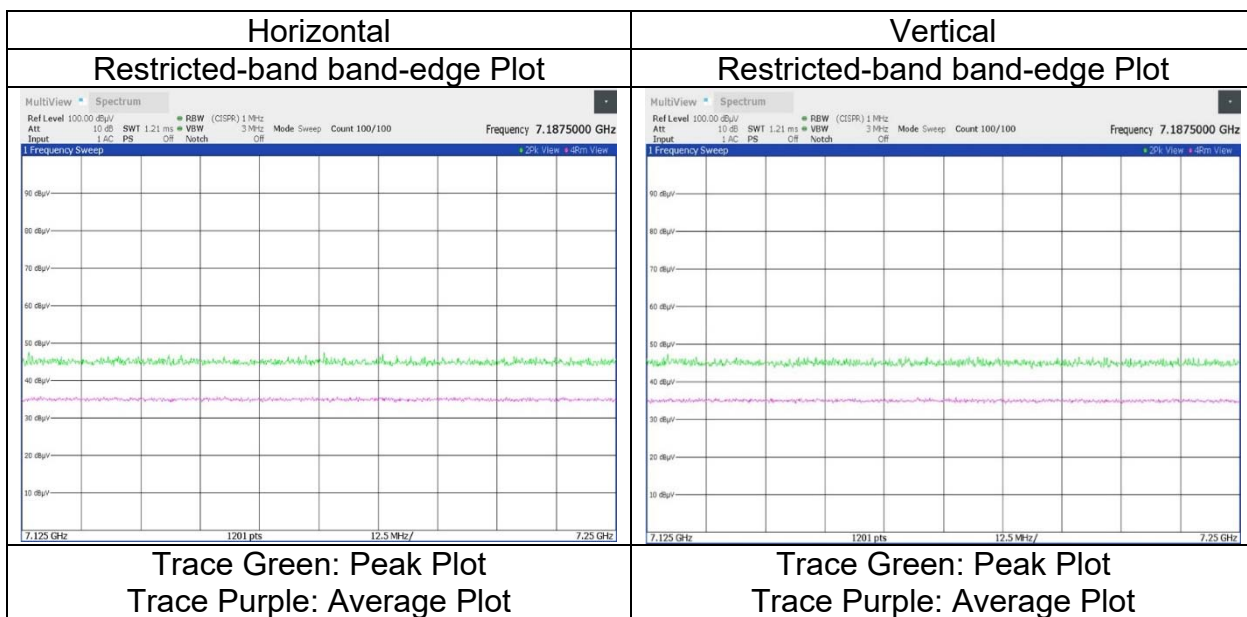
Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Duty Fac. + Distance Fac.

Result (EIRP) [dBm] = 10 \* LOG ( (10 ^ (Result [dBuV/m] / 20) ) \* 10 ^ (-6) \* Distance : 3 [m] ) ^ 2 / 30 \* 10 ^ 3)

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

Distance Fac. : 1 GHz to 10 GHz : 20log (3.87 [m] / 3.0 [m]) = 2.22 [dB]

10 GHz to 40 GHz : 20log (1.00 [m] / 3.0 [m]) = -9.54 [dB]



\* 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**

|                |                                                           |             |          |                 |                   |
|----------------|-----------------------------------------------------------|-------------|----------|-----------------|-------------------|
| Mode           | Tx 11ax-40(OFDMA) 106-tone RU, RU Index 53, MIMO 5965 MHz |             |          |                 |                   |
| Date           | Test site                                                 | Temperature | Humidity | Engineer        | Measurement Range |
| March 02, 2025 | WAC2                                                      | 23 deg. C   | 32 % RH  | Yosuke Murakami | 1 GHz to 8 GHz    |

**(Calculation) (above 1 GHz Outside of the restricted band)**

| (* PK: Peak, AV: Average, QP: Quasi-Peak) |           |          |         |           |        |      |           |               |          |               |       |        |        |        |        |  |
|-------------------------------------------|-----------|----------|---------|-----------|--------|------|-----------|---------------|----------|---------------|-------|--------|--------|--------|--------|--|
| Polarity                                  | Frequency | Detector | Reading | Ant. Fac. | Loss   | Gain | Duty Fac. | Distance Fac. | Result   | Result (EIRP) | Limit | Margin | Height | Angle  | Remark |  |
|                                           | [MHz]     |          | [dBuV]  | [dB/m]    | [dB]   | [dB] | [dB]      | [dB]          | [dBuV/m] | [dBm]         | [dBm] | [dB]   | [cm]   | [deg.] |        |  |
| Hori.                                     | 5925.000  | PK       | 48.04   | 33.10     | -26.85 | -    | -         | 2.22          | 56.51    | -38.72        | -7.0  | 31.7   | 364    | 357    | -      |  |
| Hori.                                     | 5925.000  | AV       | 35.33   | 33.10     | -26.85 | -    | 0.25      | 2.22          | 44.05    | -51.18        | -27.0 | 24.1   | 364    | 357    | -      |  |
| Vert.                                     | 5925.000  | PK       | 48.05   | 33.10     | -26.85 | -    | -         | 2.22          | 56.52    | -38.71        | -7.0  | 31.7   | 345    | 339    | -      |  |
| Vert.                                     | 5925.000  | AV       | 35.35   | 33.10     | -26.85 | -    | 0.25      | 2.22          | 44.07    | -51.16        | -27.0 | 24.1   | 345    | 339    | -      |  |

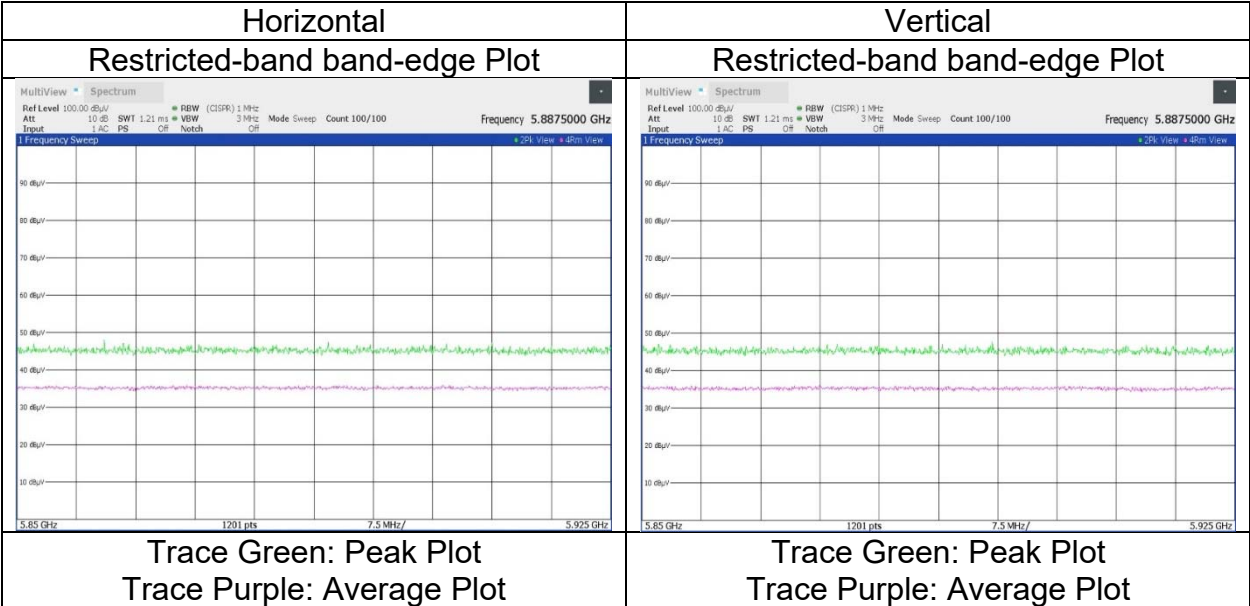
Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Duty Fac. + Distance Fac.

Result (EIRP) [dBm] = 10 \* LOG ( (10 ^ (Result [dBuV/m] / 20) ) \* 10 ^ (-6) \* Distance : 3 [m] ) ^ 2 / 30 \* 10 ^ 3)

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

Distance Fac. : 1 GHz to 10 GHz : 20log (3.87 [m] / 3.0 [m]) = 2.22 [dB]

10 GHz to 40 GHz : 20log (1.00 [m] / 3.0 [m]) = -9.54 [dB]



\* 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**

|                |                                                           |             |          |                 |                   |
|----------------|-----------------------------------------------------------|-------------|----------|-----------------|-------------------|
| Mode           | Tx 11ax-40(OFDMA) 106-tone RU, RU Index 56, MIMO 6845 MHz |             |          |                 |                   |
| Date           | Test site                                                 | Temperature | Humidity | Engineer        | Measurement Range |
| March 02, 2025 | WAC2                                                      | 23 deg. C   | 32 % RH  | Yosuke Murakami | 1 GHz to 8 GHz    |

**(Calculation) (above 1 GHz Outside of the restricted band)**

| (* PK: Peak, AV: Average, QP: Quasi-Peak) |           |          |         |          |        |      |           |               |          |               |       |        |        |        |             |  |
|-------------------------------------------|-----------|----------|---------|----------|--------|------|-----------|---------------|----------|---------------|-------|--------|--------|--------|-------------|--|
| Polarity                                  | Frequency | Detector | Reading | Ant.Fac. | Loss   | Gain | Duty Fac. | Distance Fac. | Result   | Result (EIRP) | Limit | Margin | Height | Angle  | Remark      |  |
|                                           | [MHz]     |          | [dBuV]  | [dB/m]   | [dB]   | [dB] | [dB]      | [dB]          | [dBuV/m] | [dBm]         | [dBm] | [dB]   | [cm]   | [deg.] |             |  |
| Hori.                                     | 7125.000  | PK       | 47.29   | 35.92    | -26.09 | -    | -         | 2.22          | 59.34    | -35.89        | -7.0  | 28.8   | 400    | 301    | Floor Noise |  |
| Hori.                                     | 7125.000  | AV       | 36.28   | 35.92    | -26.09 | -    | -         | 2.22          | 48.33    | -46.90        | -27.0 | 19.9   | 400    | 301    | Floor Noise |  |
| Vert.                                     | 7125.000  | PK       | 47.69   | 35.92    | -26.09 | -    | -         | 2.22          | 59.74    | -35.49        | -7.0  | 28.4   | 368    | 358    | Floor Noise |  |
| Vert.                                     | 7125.000  | AV       | 35.32   | 35.92    | -26.09 | -    | -         | 2.22          | 47.37    | -47.86        | -27.0 | 20.8   | 368    | 358    | Floor Noise |  |

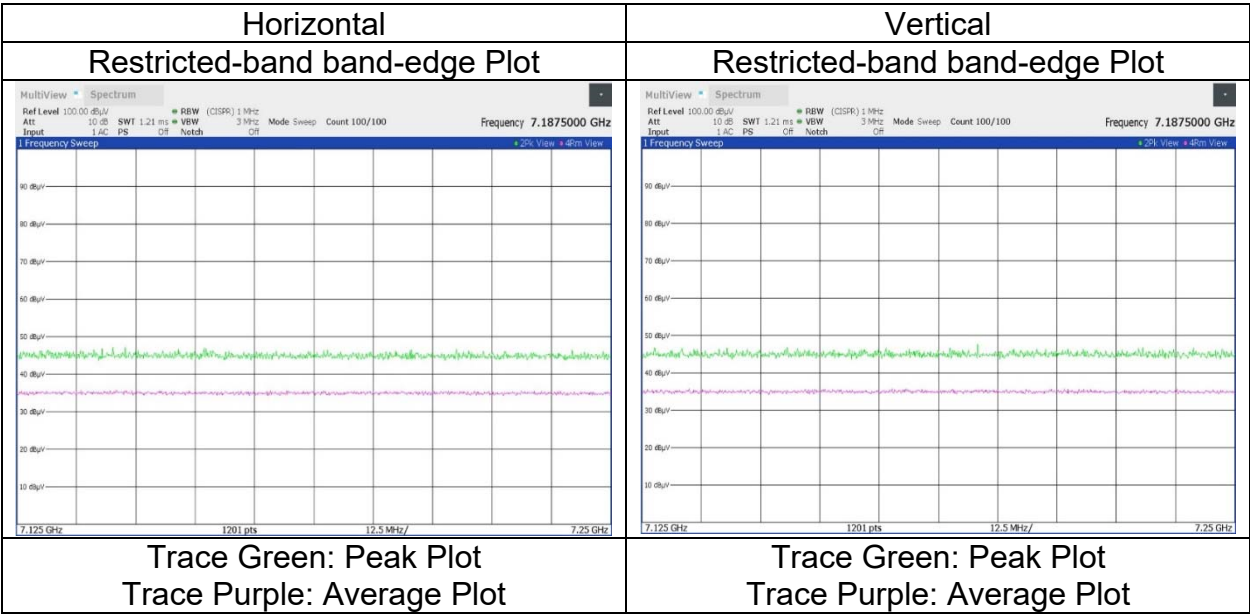
Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Duty Fac. + Distance Fac.

Result (EIRP) [dBm] = 10 \* LOG ( ( 10 ^ (Result [dBuV/m] / 20 ) \* 10 ^ (-6) \* Distance : 3 [m] ) ^ 2 / 30 \* 10 ^ 3 )

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

Distance Fac. : 1 GHz to 10 GHz : 20log (3.87 [m] / 3.0 [m]) = 2.22 [dB]

10 GHz to 40 GHz : 20log (1.00 [m] / 3.0 [m]) = -9.54 [dB]



\* 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

|      |                                                           |  |  |  |  |
|------|-----------------------------------------------------------|--|--|--|--|
| Mode | Tx 11ax-40(OFDMA) 242-tone RU, RU Index 61, MIMO 5965 MHz |  |  |  |  |
|------|-----------------------------------------------------------|--|--|--|--|

| Date           | Test site | Temperature | Humidity | Engineer        | Measurement Range |
|----------------|-----------|-------------|----------|-----------------|-------------------|
| March 02, 2025 | WAC2      | 23 deg. C   | 32 % RH  | Yosuke Murakami | 1 GHz to 8 GHz    |

### (Calculation) (above 1 GHz Outside of the restricted band)

(\* PK: Peak, AV: Average, QP: Quasi-Peak)

| Polarity | Frequency [MHz] | Detector | Reading [dBuV] | Ant. Fac. [dB/m] | Loss [dB] | Gain [dB] | Duty Fac. [dB] | Distance Fac. [dB] | Result [dBuV/m] | Result (EIRP) [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [deg.] | Remark |
|----------|-----------------|----------|----------------|------------------|-----------|-----------|----------------|--------------------|-----------------|---------------------|-------------|-------------|-------------|--------------|--------|
| Hori.    | 5925.000        | PK       | 47.77          | 33.10            | -26.85    | -         | -              | 2.22               | 56.24           | -38.99              | -7.0        | 31.9        | 373         | 357          | -      |
| Hori.    | 5925.000        | AV       | 35.20          | 33.10            | -26.85    | -         | 0.25           | 2.22               | 43.92           | -51.31              | -27.0       | 24.3        | 373         | 357          | -      |
| Vert.    | 5925.000        | PK       | 47.95          | 33.10            | -26.85    | -         | -              | 2.22               | 56.42           | -38.81              | -7.0        | 31.8        | 252         | 348          | -      |
| Vert.    | 5925.000        | AV       | 35.39          | 33.10            | -26.85    | -         | 0.25           | 2.22               | 44.11           | -51.12              | -27.0       | 24.1        | 252         | 348          | -      |

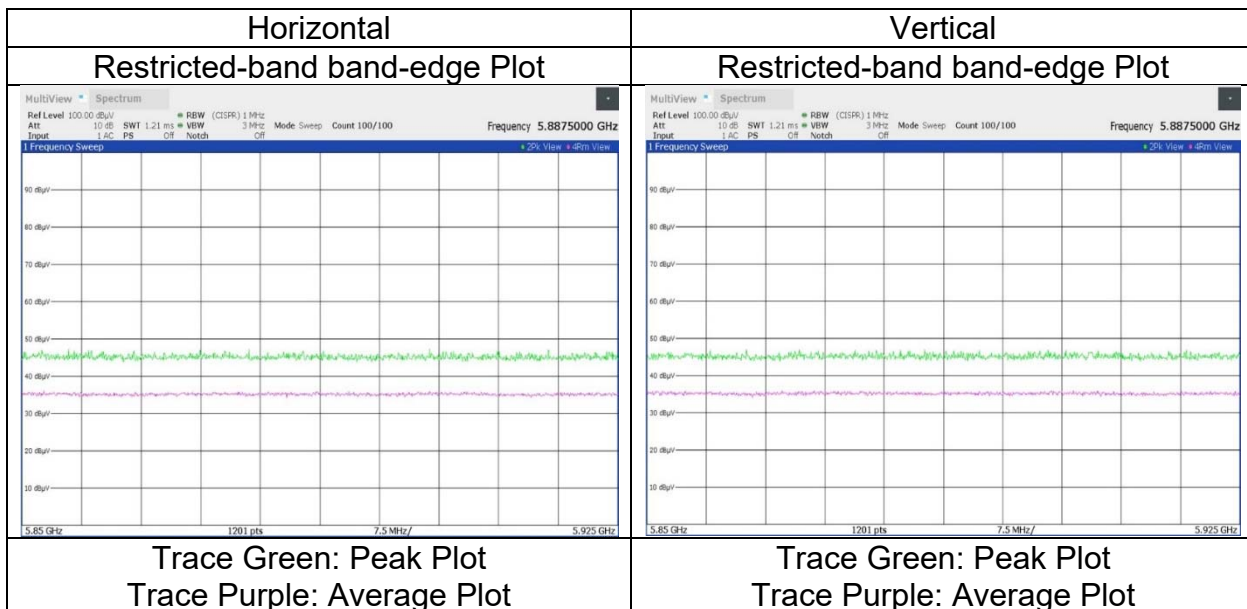
Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Duty Fac. + Distance Fac.

Result (EIRP) [dBm] = 10 \* LOG ( (10 ^ (Result [dBuV/m] / 20) ) \* 10 ^ (-6) \* Distance : 3 [m] ) ^ 2 / 30 \* 10 ^ 3)

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

Distance Fac. : 1 GHz to 10 GHz : 20log (3.87 [m] / 3.0 [m]) = 2.22 [dB]

10 GHz to 40 GHz : 20log (1.00 [m] / 3.0 [m]) = -9.54 [dB]



\* 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**

|                |                                                           |             |          |                 |                   |
|----------------|-----------------------------------------------------------|-------------|----------|-----------------|-------------------|
| Mode           | Tx 11ax-40(OFDMA) 242-tone RU, RU Index 62, MIMO 6845 MHz |             |          |                 |                   |
| Date           | Test site                                                 | Temperature | Humidity | Engineer        | Measurement Range |
| March 02, 2025 | WAC2                                                      | 23 deg. C   | 32 % RH  | Yosuke Murakami | 1 GHz to 8 GHz    |

**(Calculation) (above 1 GHz Outside of the restricted band)**

| (* PK: Peak, AV: Average, QP: Quasi-Peak) |           |          |         |           |        |      |           |               |          |               |       |        |        |        |             |  |
|-------------------------------------------|-----------|----------|---------|-----------|--------|------|-----------|---------------|----------|---------------|-------|--------|--------|--------|-------------|--|
| Polarity                                  | Frequency | Detector | Reading | Ant. Fac. | Loss   | Gain | Duty Fac. | Distance Fac. | Result   | Result (EIRP) | Limit | Margin | Height | Angle  | Remark      |  |
|                                           | [MHz]     |          | [dBuV]  | [dB/m]    | [dB]   | [dB] | [dB]      | [dB]          | [dBuV/m] | [dBm]         | [dBm] | [dB]   | [cm]   | [deg.] |             |  |
| Hori.                                     | 7125.000  | PK       | 47.53   | 35.92     | -26.09 | -    | -         | 2.22          | 59.58    | -35.65        | -7.0  | 28.6   | 400    | 322    | Floor Noise |  |
| Hori.                                     | 7125.000  | AV       | 36.14   | 35.92     | -26.09 | -    | -         | 2.22          | 48.19    | -47.04        | -27.0 | 20.0   | 400    | 322    | Floor Noise |  |
| Vert.                                     | 7125.000  | PK       | 47.34   | 35.92     | -26.09 | -    | -         | 2.22          | 59.39    | -35.84        | -7.0  | 28.8   | 372    | 358    | Floor Noise |  |
| Vert.                                     | 7125.000  | AV       | 35.20   | 35.92     | -26.09 | -    | -         | 2.22          | 47.25    | -47.98        | -27.0 | 20.9   | 372    | 358    | Floor Noise |  |

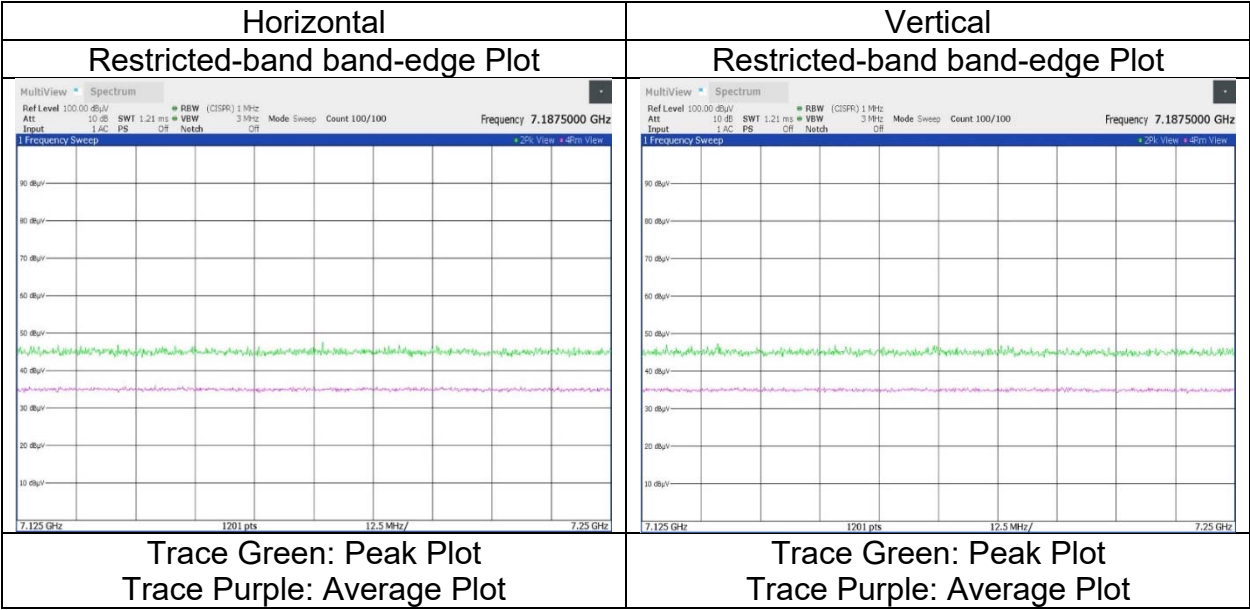
Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Duty Fac. + Distance Fac.

Result (EIRP) [dBm] = 10 \* LOG ( (10 ^ (Result [dBuV/m] / 20) ) \* 10 ^ (-6) \* Distance : 3 [m] ) ^ 2 / 30 \* 10 ^ 3)

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

Distance Fac. : 1 GHz to 10 GHz : 20log (3.87 [m] / 3.0 [m]) = 2.22 [dB]

10 GHz to 40 GHz : 20log (1.00 [m] / 3.0 [m]) = -9.54 [dB]



\* 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**

|                |                                                           |             |          |                 |                   |
|----------------|-----------------------------------------------------------|-------------|----------|-----------------|-------------------|
| Mode           | Tx 11ax-40(OFDMA) 484-tone RU, RU Index 65, MIMO 5965 MHz |             |          |                 |                   |
| Date           | Test site                                                 | Temperature | Humidity | Engineer        | Measurement Range |
| March 02, 2025 | WAC2                                                      | 23 deg. C   | 32 % RH  | Yosuke Murakami | 1 GHz to 8 GHz    |

**(Calculation) (above 1 GHz Outside of the restricted band)**

| (* PK: Peak, AV: Average, QP: Quasi-Peak) |           |          |         |           |        |      |           |               |          |               |       |        |        |        |        |  |
|-------------------------------------------|-----------|----------|---------|-----------|--------|------|-----------|---------------|----------|---------------|-------|--------|--------|--------|--------|--|
| Polarity                                  | Frequency | Detector | Reading | Ant. Fac. | Loss   | Gain | Duty Fac. | Distance Fac. | Result   | Result (EIRP) | Limit | Margin | Height | Angle  | Remark |  |
|                                           | [MHz]     |          | [dBuV]  | [dB/m]    | [dB]   | [dB] | [dB]      | [dB]          | [dBuV/m] | [dBm]         | [dBm] | [dB]   | [cm]   | [deg.] |        |  |
| Hori.                                     | 5925.000  | PK       | 47.35   | 33.10     | -26.85 | -    | -         | 2.22          | 55.82    | -39.41        | -7.0  | 32.4   | 357    | 357    | -      |  |
| Hori.                                     | 5925.000  | AV       | 35.43   | 33.10     | -26.85 | -    | 0.24      | 2.22          | 44.14    | -51.09        | -27.0 | 24.0   | 357    | 357    | -      |  |
| Vert.                                     | 5925.000  | PK       | 47.89   | 33.10     | -26.85 | -    | -         | 2.22          | 56.36    | -38.87        | -7.0  | 31.8   | 371    | 348    | -      |  |
| Vert.                                     | 5925.000  | AV       | 35.29   | 33.10     | -26.85 | -    | 0.24      | 2.22          | 44.00    | -51.23        | -27.0 | 24.2   | 371    | 348    | -      |  |

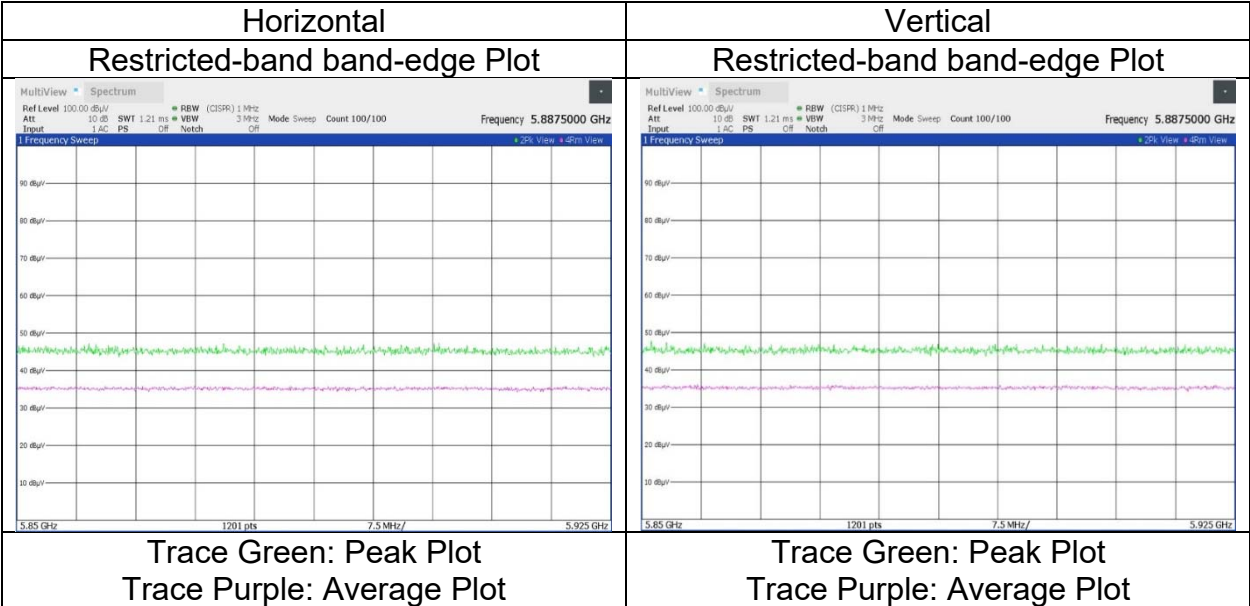
Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Duty Fac. + Distance Fac.

Result (EIRP) [dBm] = 10 \* LOG ( (10 ^ (Result [dBuV/m] / 20) ) \* 10 ^ (-6) \* Distance : 3 [m] ) ^ 2 / 30 \* 10 ^ 3)

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

Distance Fac. : 1 GHz to 10 GHz : 20log (3.87 [m] / 3.0 [m]) = 2.22 [dB]

10 GHz to 40 GHz : 20log (1.00 [m] / 3.0 [m]) = -9.54 [dB]



\* 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.