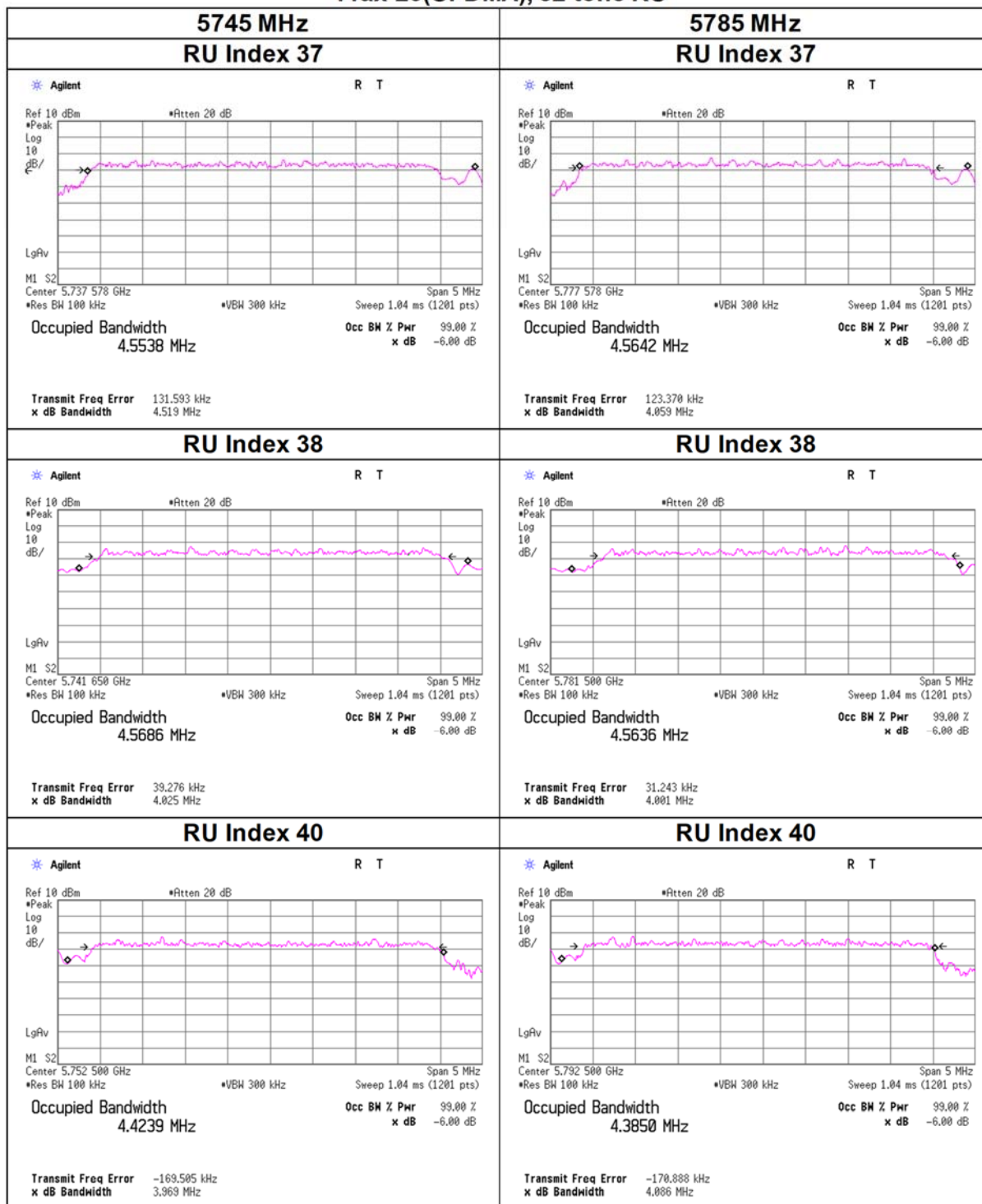


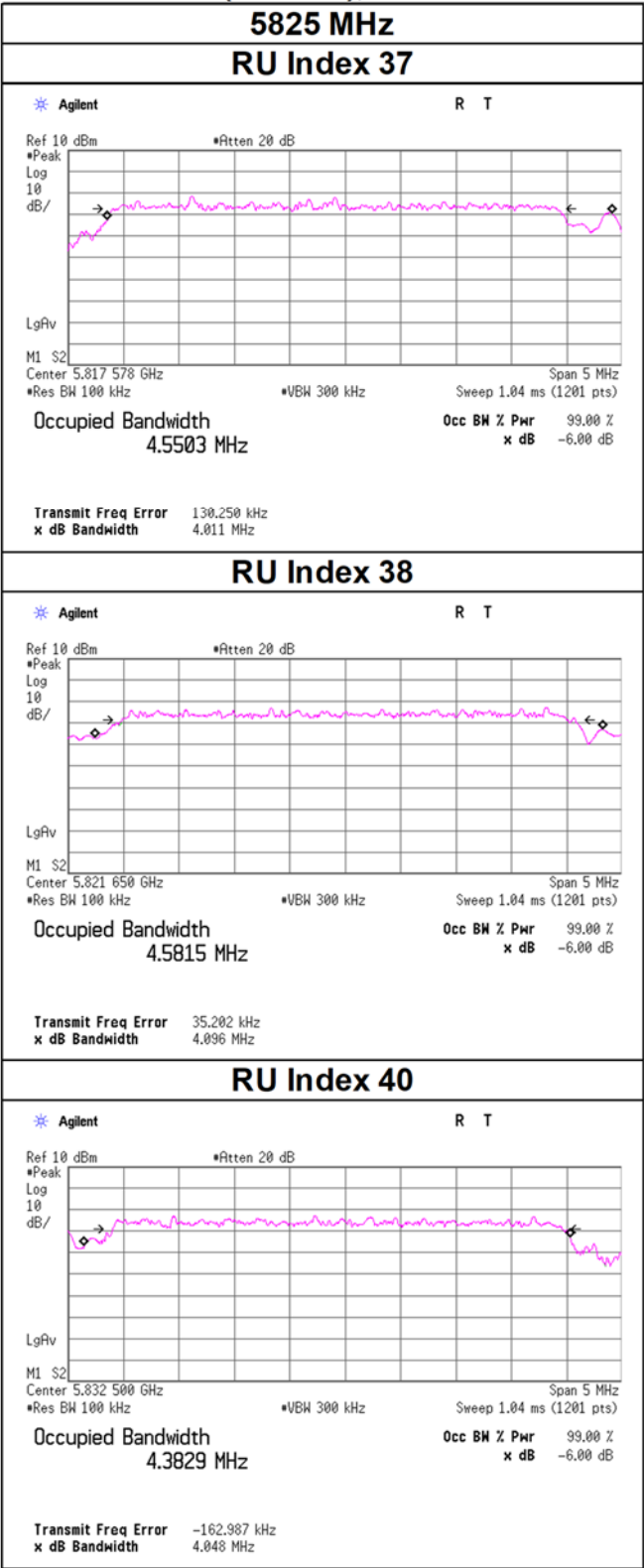
## 6 dB Bandwidth

### 11ax-20(OFDMA), 52-tone RU



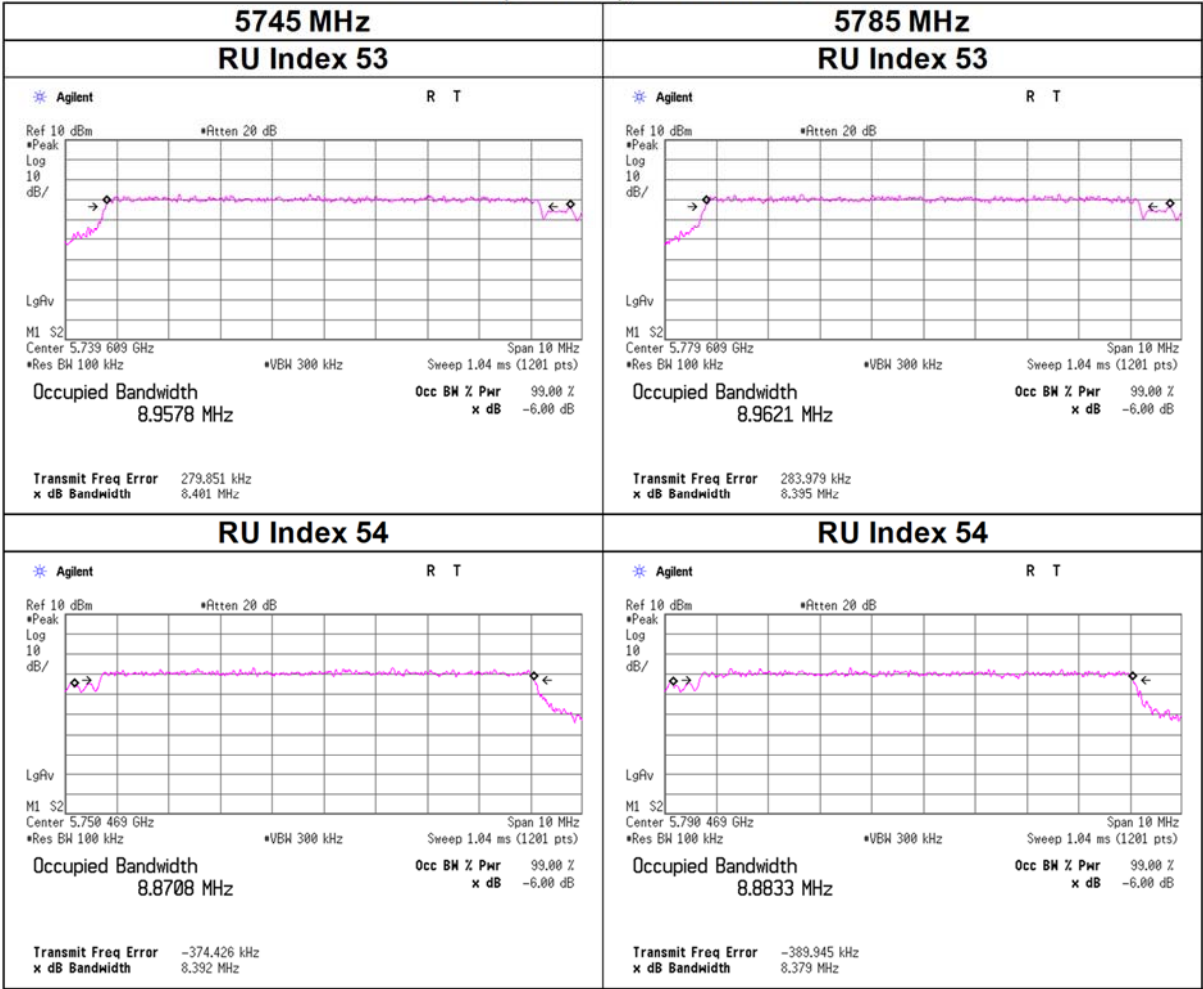
6 dB Bandwidth

11ax-20(OFDMA), 52-tone RU



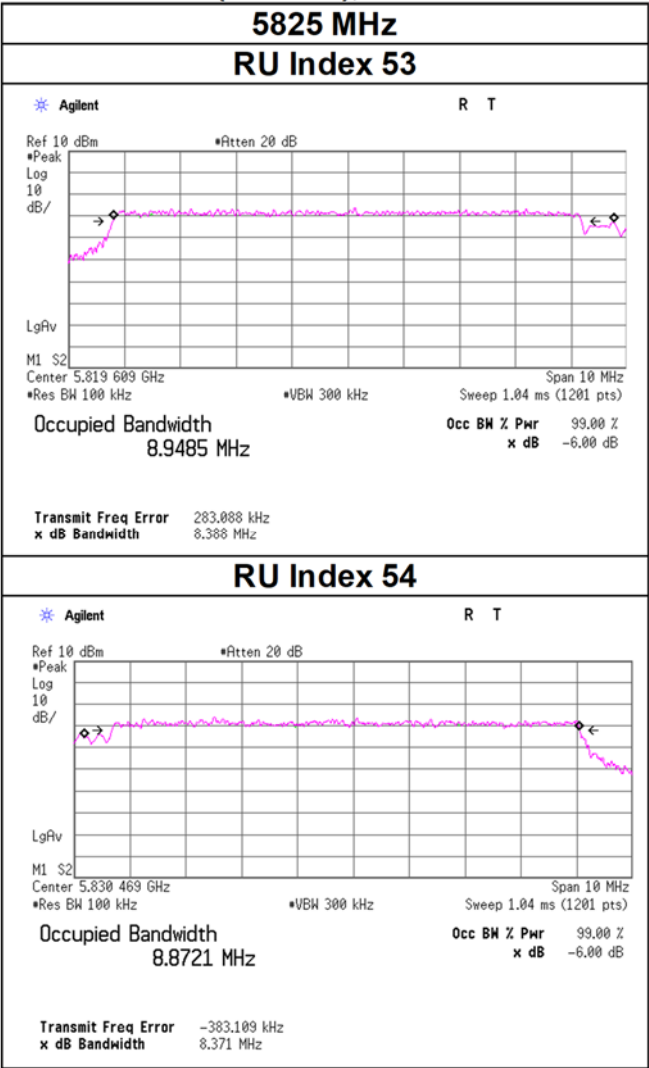
6 dB Bandwidth

11ax-20(OFDMA), 106-tone RU



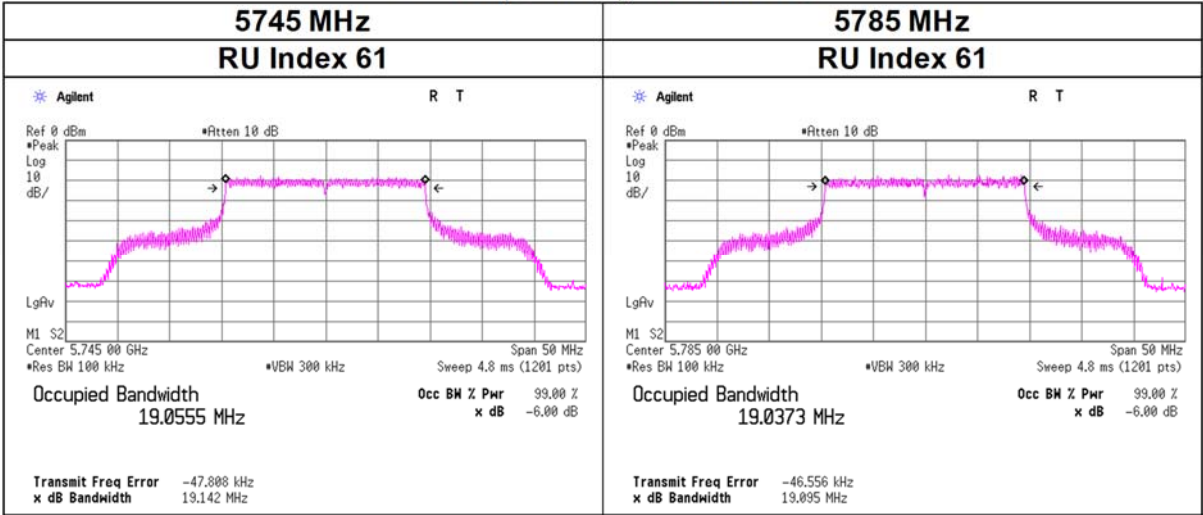
6 dB Bandwidth

11ax-20(OFDMA), 106-tone RU

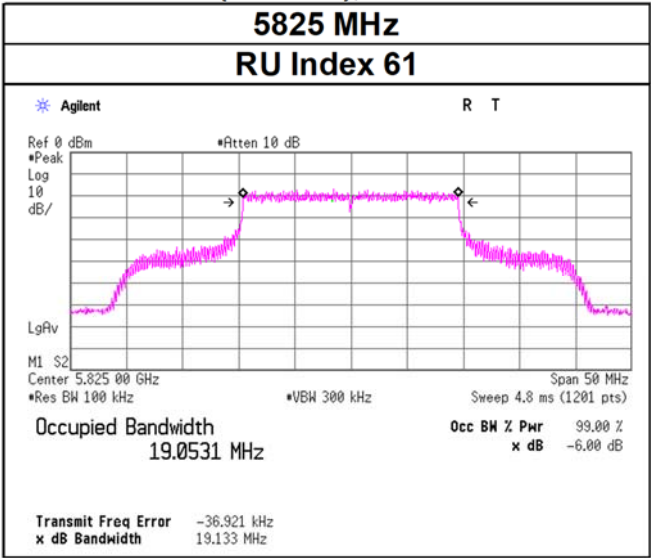


6 dB Bandwidth

11ax-20(OFDMA), 242-tone RU

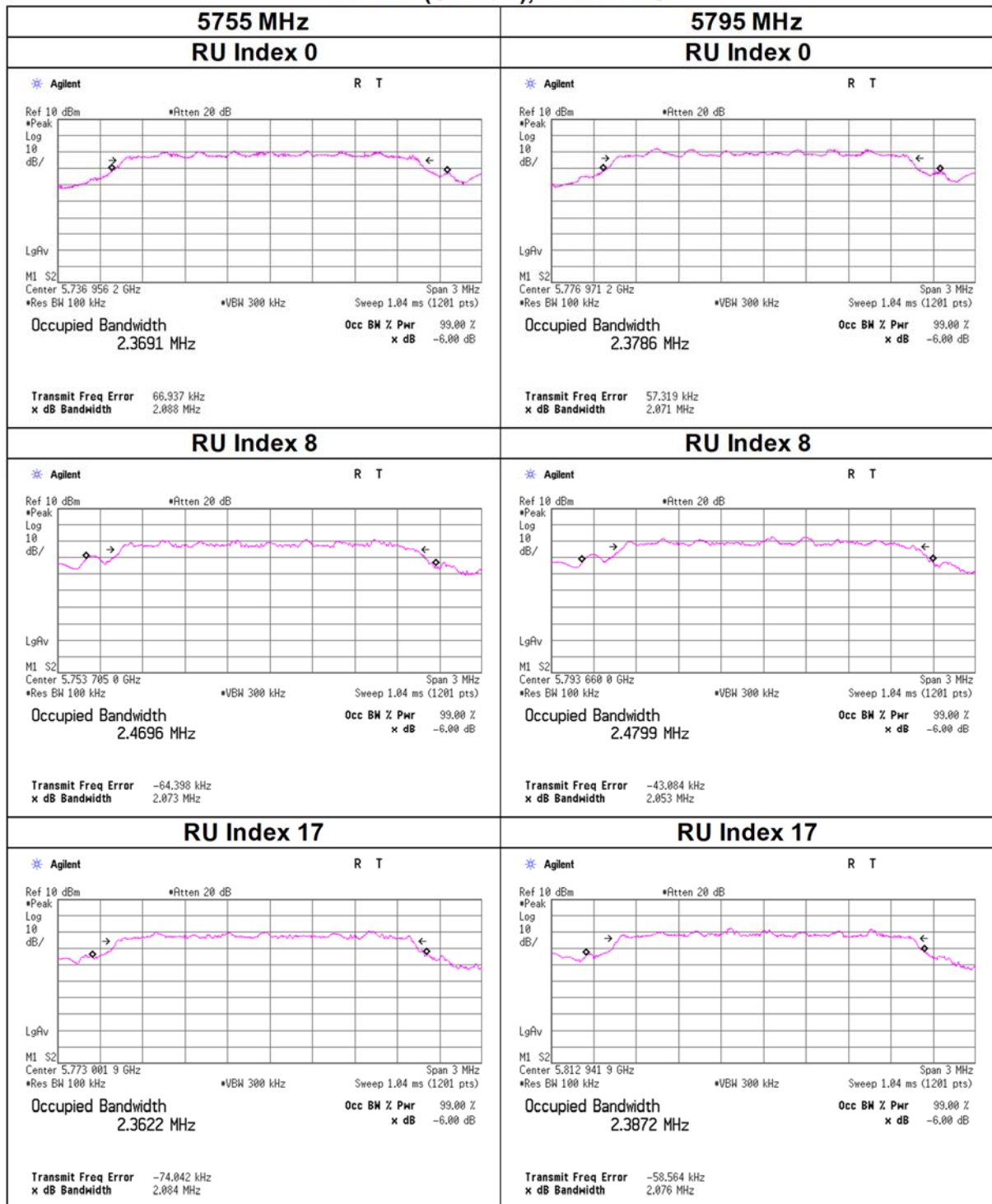


11ax-20(OFDMA), 242-tone RU



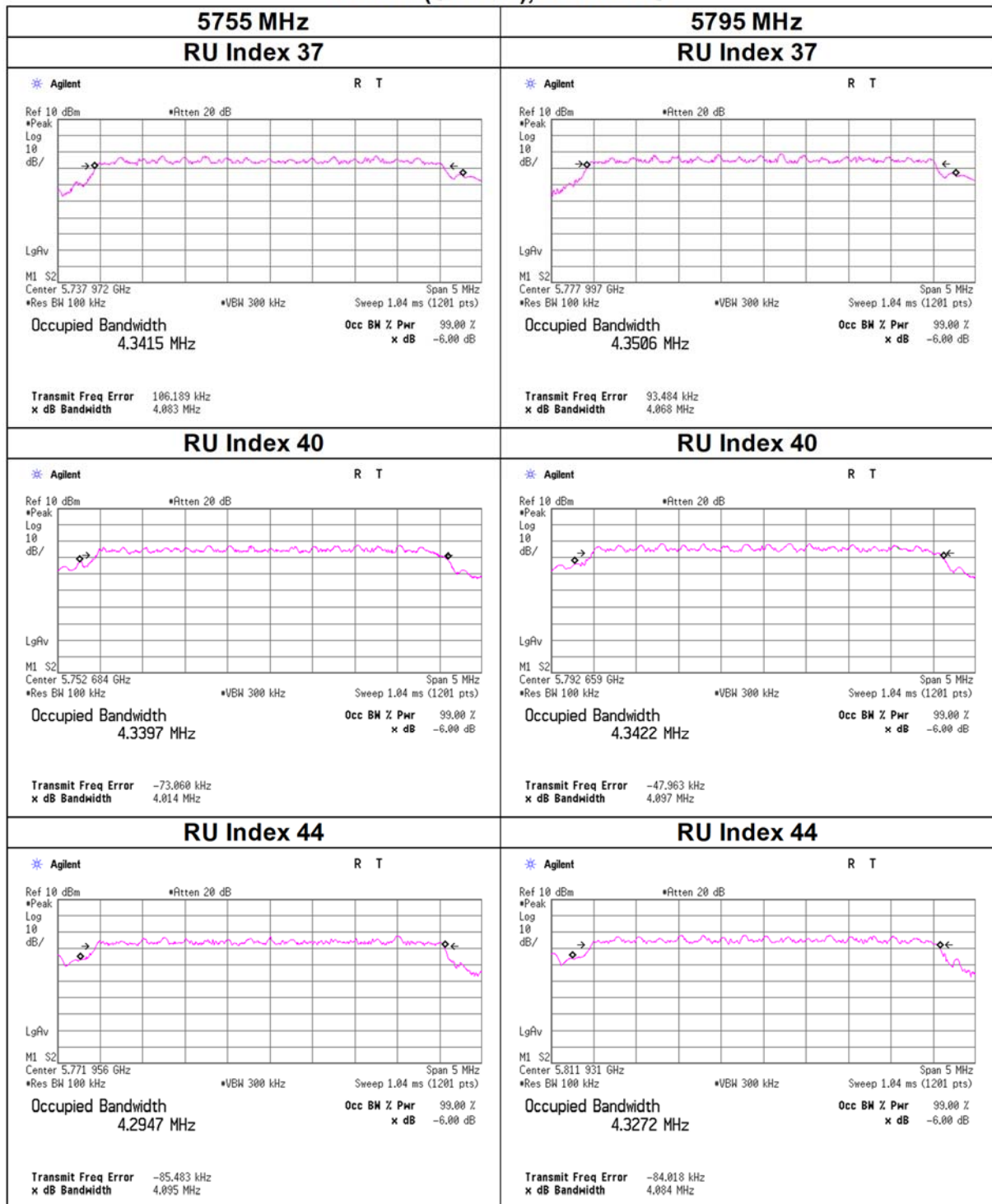
## 6 dB Bandwidth

### 11ax-40(OFDMA), 26-tone RU



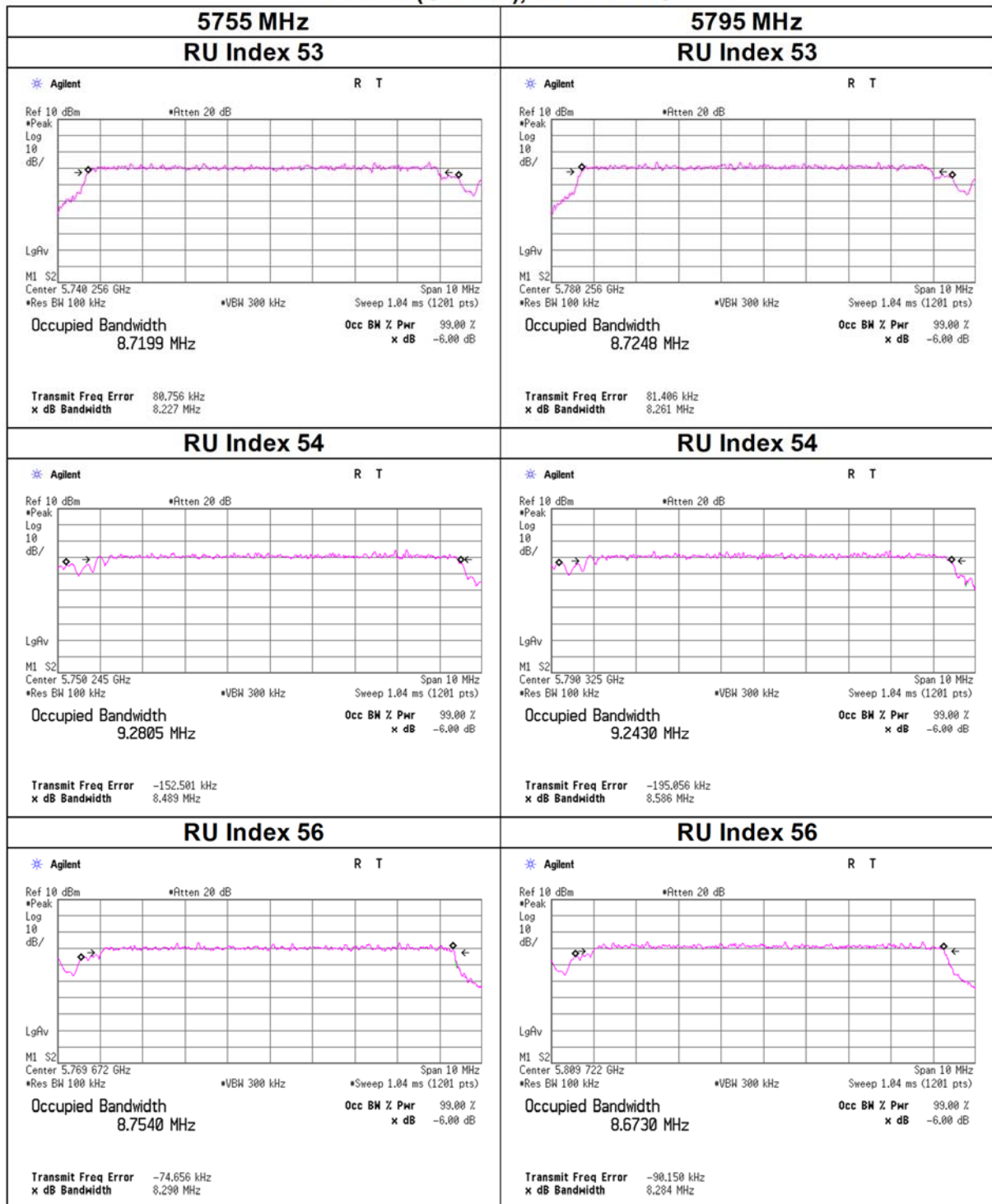
## 6 dB Bandwidth

### 11ax-40(OFDMA), 52-tone RU



## 6 dB Bandwidth

### 11ax-40(OFDMA), 106-tone RU

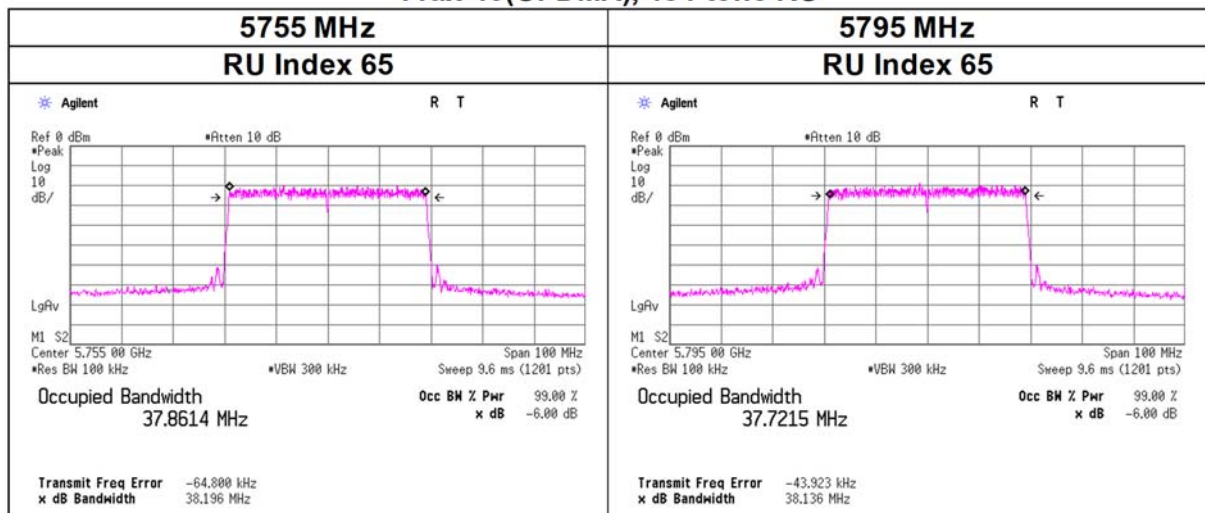


## 6 dB Bandwidth

### 11ax-40(OFDMA), 242-tone RU

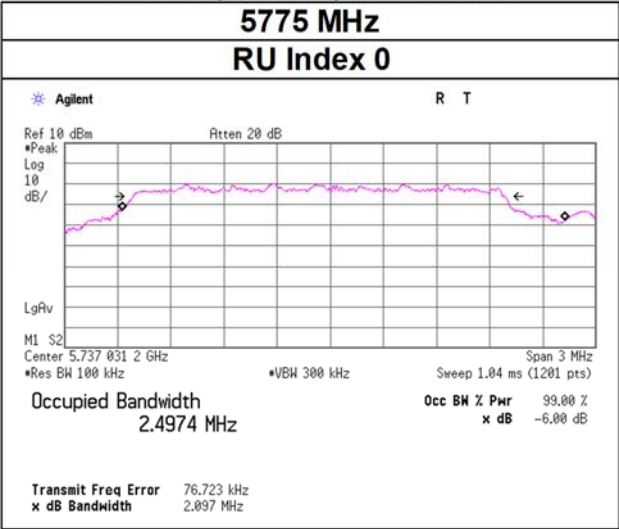


### 11ax-40(OFDMA), 484-tone RU

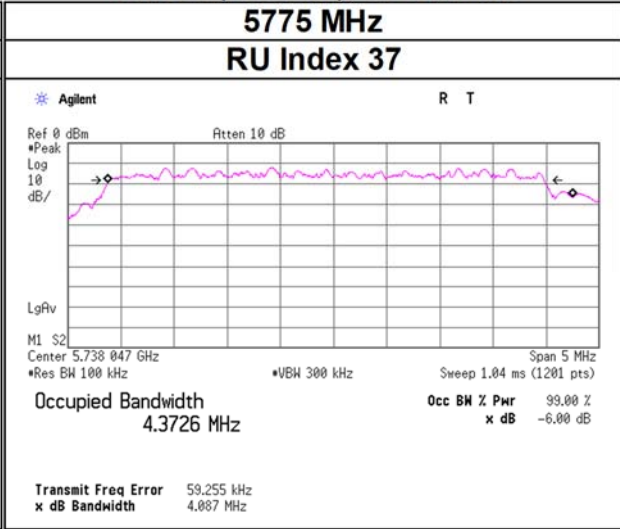


6 dB Bandwidth

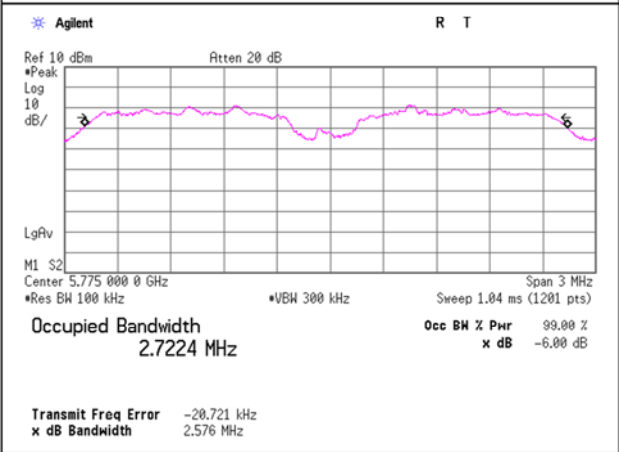
11ax-80(OFDMA), 26-tone RU



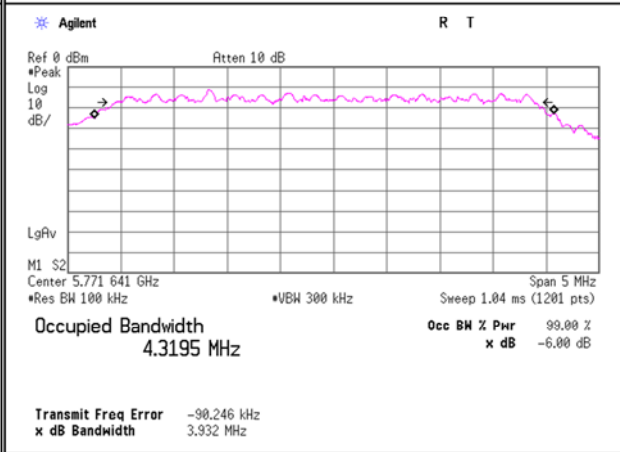
11ax-80(OFDMA), 52-tone RU



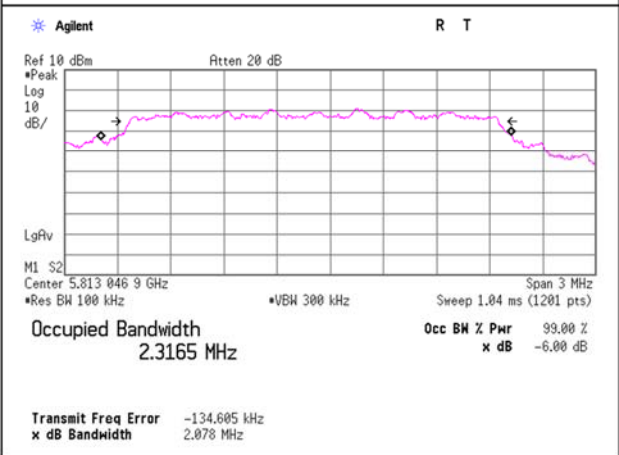
RU Index 18



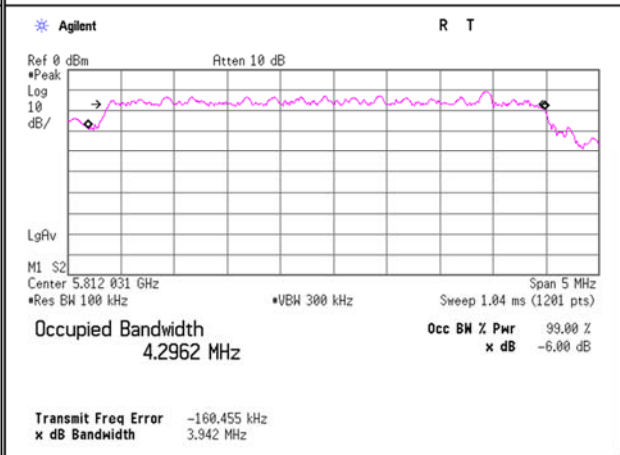
RU Index 44



RU Index 36

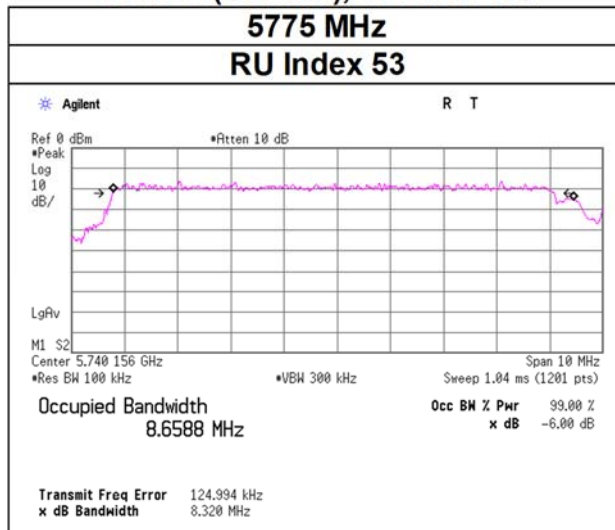


RU Index 52

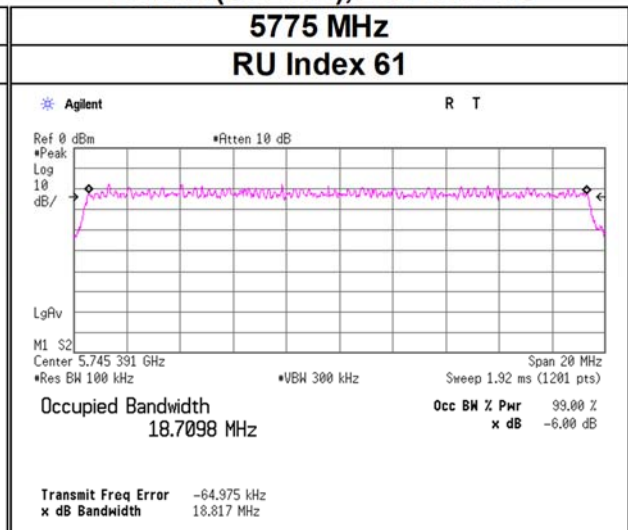


## 6 dB Bandwidth

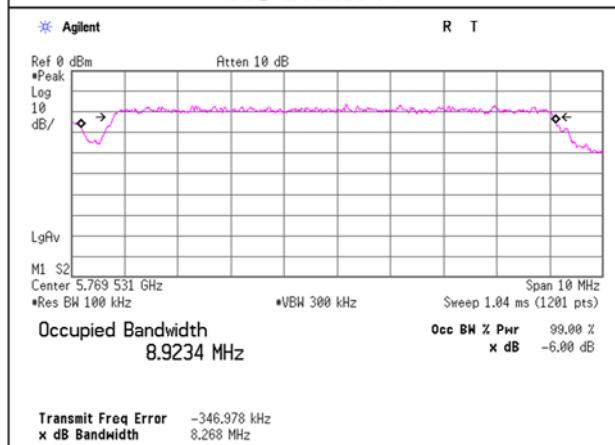
### 11ax-80(OFDMA), 106-tone RU



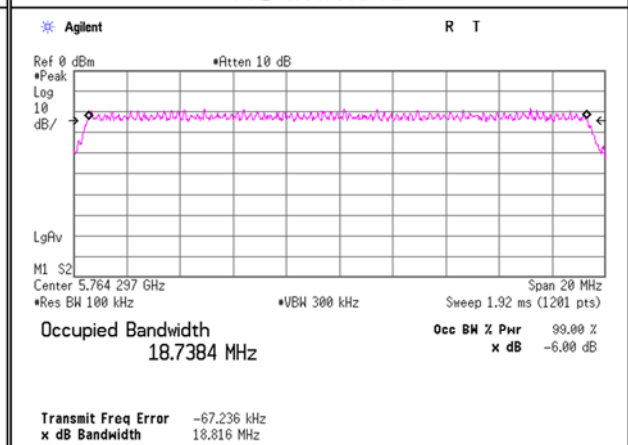
### 11ax-80(OFDMA), 242-tone RU



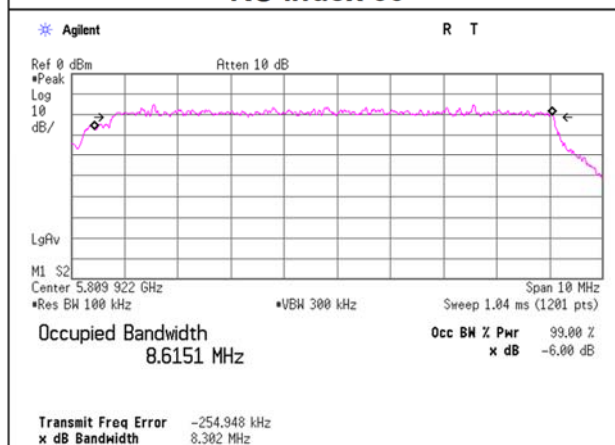
### RU Index 56



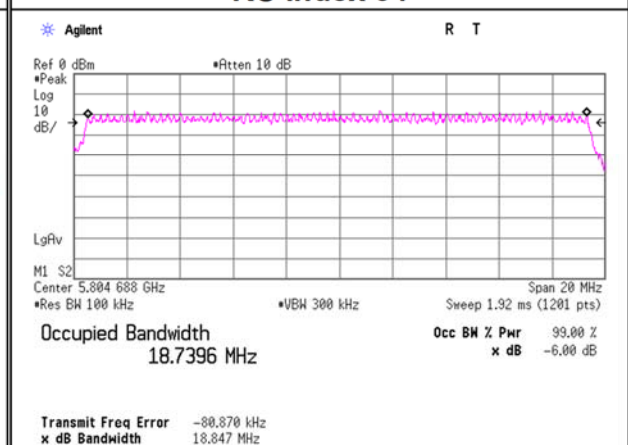
### RU Index 62



### RU Index 60

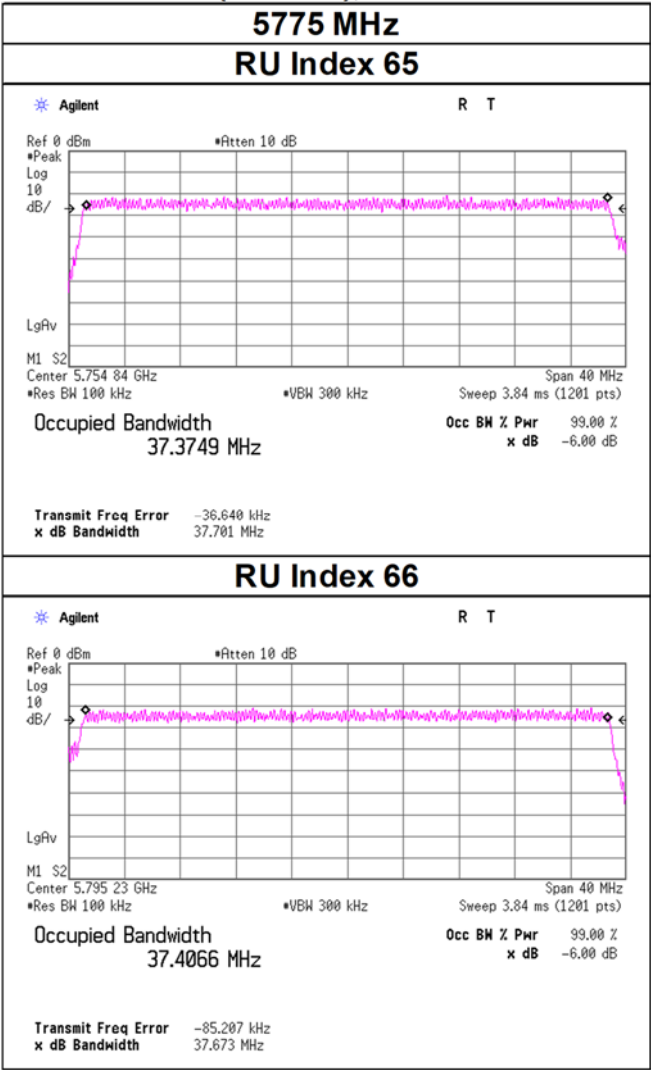


### RU Index 64

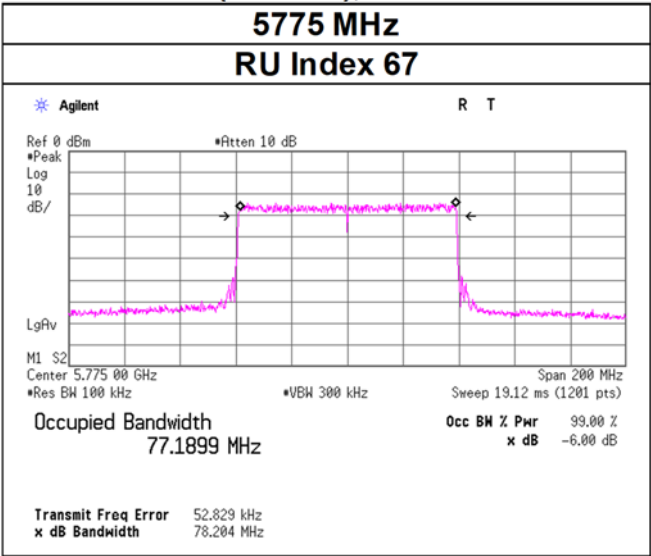


6 dB Bandwidth

11ax-80(OFDMA), 484-tone RU



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



## Maximum Conducted Output Power

Test place Shonan EMC Lab. No.1 Measurement Room  
Date September 29, 2023 September 29, 2023  
Temperature / Humidity 24 deg. C / 46 % RH 24 deg. C / 48 % RH  
Engineer Kazuya Noda Yusuke Tanikawara  
Mode Tx, Ant 2

11a

| Tested Frequency | Power Meter Reading | Cable Loss | Atten. Loss | Duty Factor | Antenna Gain | Conducted Power |        |            |        |         |        |        |        | e.i.r.p.   |        |         |        |  |  |  |  |
|------------------|---------------------|------------|-------------|-------------|--------------|-----------------|--------|------------|--------|---------|--------|--------|--------|------------|--------|---------|--------|--|--|--|--|
|                  |                     |            |             |             |              | Result          |        | FCC 15.407 |        | RSS-247 |        | Result |        | FCC 15.407 |        | RSS-247 |        |  |  |  |  |
|                  |                     |            |             |             |              | Limit           | Margin | Limit      | Margin | Limit   | Margin | Limit  | Margin | Limit      | Margin | Limit   | Margin |  |  |  |  |
| [MHz]            | [dBm]               | [dB]       | [dB]        | [dB]        | [dBi]        | [dBm]           | [mW]   | [dBm]      | [dB]   | [dBm]   | [dB]   | [dBm]  | [mW]   | [dBm]      | [dB]   | [dBm]   | [dB]   |  |  |  |  |
| 5180             | -5.30               | 2.95       | 10.00       | 0.19        | 4.07         | 7.84            | 6.08   | 23.97      | 16.13  | -       | -      | 11.91  | 15.52  | 29.97      | 18.06  | 22.21   | 10.30  |  |  |  |  |
| 5220             | -5.03               | 2.95       | 10.00       | 0.19        | 4.07         | 8.11            | 6.47   | 23.97      | 15.86  | -       | -      | 12.18  | 16.52  | 29.97      | 17.79  | 22.21   | 10.03  |  |  |  |  |
| 5240             | -5.13               | 2.95       | 10.00       | 0.19        | 4.07         | 8.01            | 6.32   | 23.97      | 15.96  | -       | -      | 12.08  | 16.14  | 29.97      | 17.89  | 22.21   | 10.13  |  |  |  |  |
| 5260             | -5.18               | 2.96       | 10.00       | 0.19        | 4.07         | 7.97            | 6.27   | 23.97      | 16.00  | 23.21   | 15.24  | 12.04  | 16.00  | 29.97      | 17.93  | 29.21   | 17.17  |  |  |  |  |
| 5300             | -5.43               | 2.96       | 10.00       | 0.19        | 4.07         | 7.72            | 5.92   | 23.97      | 16.25  | 23.21   | 15.49  | 11.79  | 15.10  | 29.97      | 18.18  | 29.21   | 17.42  |  |  |  |  |
| 5320             | -5.40               | 2.96       | 10.00       | 0.19        | 4.07         | 7.75            | 5.96   | 23.97      | 16.22  | 23.21   | 15.46  | 11.82  | 15.21  | 29.97      | 18.15  | 29.21   | 17.39  |  |  |  |  |
| 5500             | -5.37               | 2.98       | 10.01       | 0.19        | 4.07         | 7.81            | 6.04   | 23.97      | 16.16  | 23.21   | 15.40  | 11.88  | 15.42  | 29.97      | 18.09  | 29.21   | 17.33  |  |  |  |  |
| 5580             | -5.32               | 2.98       | 10.01       | 0.19        | 4.07         | 7.86            | 6.11   | 23.97      | 16.11  | 23.21   | 15.35  | 11.93  | 15.60  | 29.97      | 18.04  | 29.21   | 17.28  |  |  |  |  |
| 5700             | -5.56               | 2.99       | 10.01       | 0.19        | 4.07         | 7.63            | 5.79   | 23.97      | 16.34  | 23.21   | 15.58  | 11.70  | 14.79  | 29.97      | 18.27  | 29.21   | 17.51  |  |  |  |  |
| 5745             | -6.42               | 3.00       | 10.02       | 0.19        | 4.07         | 6.79            | 4.78   | 30.00      | 23.21  | 30.00   | 23.21  | 10.86  | 12.19  | 36.00      | 25.14  | 36.00   | 25.14  |  |  |  |  |
| 5785             | -6.62               | 3.00       | 10.02       | 0.19        | 4.07         | 6.59            | 4.56   | 30.00      | 23.41  | 30.00   | 23.41  | 10.66  | 11.64  | 36.00      | 25.34  | 36.00   | 25.34  |  |  |  |  |
| 5825             | -6.38               | 3.00       | 10.02       | 0.19        | 4.07         | 6.83            | 4.82   | 30.00      | 23.17  | 30.00   | 23.17  | 10.90  | 12.30  | 36.00      | 25.10  | 36.00   | 25.10  |  |  |  |  |

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor

e.i.r.p. Result = Conducted Power Result + Antenna Gain

15.407 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

For all test frequencies, B was applied the minimum value (23.237 MHz) as conservative limit.

RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

e.i.r.p. Limit (5150 MHz-5250 MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (16.642 MHz) as conservative limit.

5180 MHz

| Antenna | Data rate | P/M (AV) Reading | Cable Loss | Atten. Loss | Duty factor | Result | Remarks | Antenna | Data rate | P/M (AV) Reading | Cable Loss | Atten. Loss | Duty factor | Result | Remarks |
|---------|-----------|------------------|------------|-------------|-------------|--------|---------|---------|-----------|------------------|------------|-------------|-------------|--------|---------|
|         | [Mbps]    | [dBm]            | [dB]       | [dB]        | [dB]        | [dBm]  |         |         | [Mbps]    | [dBm]            | [dB]       | [dB]        | [dB]        | [dBm]  |         |
| Ant 0   | 6         | -5.26            | 2.95       | 10.01       | 0.10        | 7.80   |         | Ant 2   | 6         | -5.23            | 2.95       | 10.00       | 0.10        | 7.82   |         |
|         | 9         | -5.30            | 2.95       | 10.01       | 0.15        | 7.81   |         |         | 9         | -5.27            | 2.95       | 10.00       | 0.15        | 7.83   |         |
|         | 12        | -5.32            | 2.95       | 10.01       | 0.19        | 7.83   |         |         | 12        | -5.30            | 2.95       | 10.00       | 0.19        | 7.84   | Worst   |
|         | 18        | -5.44            | 2.95       | 10.01       | 0.28        | 7.80   |         |         | 18        | -5.41            | 2.95       | 10.00       | 0.28        | 7.82   |         |
|         | 24        | -5.53            | 2.95       | 10.01       | 0.36        | 7.79   |         |         | 24        | -5.49            | 2.95       | 10.00       | 0.36        | 7.82   |         |
|         | 36        | -5.81            | 2.95       | 10.01       | 0.52        | 7.67   |         |         | 36        | -5.77            | 2.95       | 10.00       | 0.52        | 7.70   |         |
|         | 48        | -5.89            | 2.95       | 10.01       | 0.67        | 7.74   |         |         | 48        | -5.85            | 2.95       | 10.00       | 0.67        | 7.77   |         |
|         | 54        | -5.98            | 2.95       | 10.01       | 0.72        | 7.70   |         |         | 54        | -5.95            | 2.95       | 10.00       | 0.72        | 7.72   |         |

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor

\* All comparison were carried out on same frequency and measurement factors.

## Maximum Conducted Output Power

Test place Shonan EMC Lab. No.1 Measurement Room  
Date September 29, 2023 September 29, 2023  
Temperature / Humidity 24 deg. C / 46 % RH 24 deg. C / 48 % RH  
Engineer Kazuya Noda Yusuke Tanikawara  
Mode Tx, Ant 2

### 11n-20 (SISO)

| Tested Frequency | Power Meter Reading | Cable Loss | Atten. Loss | Duty Factor | Antenna Gain | Conducted Power |      |            |       |         |       |        |       | e.i.r.p.   |       |         |       |  |  |  |  |
|------------------|---------------------|------------|-------------|-------------|--------------|-----------------|------|------------|-------|---------|-------|--------|-------|------------|-------|---------|-------|--|--|--|--|
|                  |                     |            |             |             |              | Result          |      | FCC 15.407 |       | RSS-247 |       | Result |       | FCC 15.407 |       | RSS-247 |       |  |  |  |  |
| [MHz]            | [dBm]               | [dB]       | [dB]        | [dB]        | [dBi]        | [dBm]           | [mW] | [dBm]      | [dB]  | [dBm]   | [dB]  | [dBm]  | [mW]  | [dBm]      | [dB]  | [dBm]   | [dB]  |  |  |  |  |
| 5180             | -5.50               | 2.95       | 10.00       | 0.29        | 4.07         | 7.74            | 5.94 | 23.97      | 16.23 | -       | -     | 11.81  | 15.17 | 29.97      | 18.16 | 22.46   | 10.65 |  |  |  |  |
| 5220             | -5.20               | 2.95       | 10.00       | 0.29        | 4.07         | 8.04            | 6.37 | 23.97      | 15.93 | -       | -     | 12.11  | 16.26 | 29.97      | 17.86 | 22.46   | 10.35 |  |  |  |  |
| 5240             | -5.33               | 2.95       | 10.00       | 0.29        | 4.07         | 7.91            | 6.18 | 23.97      | 16.06 | -       | -     | 11.98  | 15.78 | 29.97      | 17.99 | 22.46   | 10.48 |  |  |  |  |
| 5260             | -5.37               | 2.96       | 10.00       | 0.29        | 4.07         | 7.88            | 6.14 | 23.97      | 16.09 | 23.46   | 15.58 | 11.95  | 15.67 | 29.97      | 18.02 | 29.46   | 17.51 |  |  |  |  |
| 5300             | -5.65               | 2.96       | 10.00       | 0.29        | 4.07         | 7.60            | 5.75 | 23.97      | 16.37 | 23.46   | 15.86 | 11.67  | 14.69 | 29.97      | 18.30 | 29.46   | 17.79 |  |  |  |  |
| 5320             | -5.61               | 2.96       | 10.00       | 0.29        | 4.07         | 7.64            | 5.81 | 23.97      | 16.33 | 23.46   | 15.82 | 11.71  | 14.83 | 29.97      | 18.26 | 29.46   | 17.75 |  |  |  |  |
| 5500             | -5.51               | 2.98       | 10.01       | 0.29        | 4.07         | 7.77            | 5.98 | 23.97      | 16.20 | 23.46   | 15.69 | 11.84  | 15.28 | 29.97      | 18.13 | 29.46   | 17.62 |  |  |  |  |
| 5580             | -5.50               | 2.98       | 10.01       | 0.29        | 4.07         | 7.78            | 6.00 | 23.97      | 16.19 | 23.46   | 15.68 | 11.85  | 15.31 | 29.97      | 18.12 | 29.46   | 17.61 |  |  |  |  |
| 5700             | -5.79               | 2.99       | 10.01       | 0.29        | 4.07         | 7.50            | 5.62 | 23.97      | 16.47 | 23.46   | 15.96 | 11.57  | 14.35 | 29.97      | 18.40 | 29.46   | 17.89 |  |  |  |  |
| 5745             | -6.56               | 3.00       | 10.02       | 0.29        | 4.07         | 6.75            | 4.73 | 30.00      | 23.25 | 30.00   | 23.25 | 10.82  | 12.08 | 36.00      | 25.18 | 36.00   | 25.18 |  |  |  |  |
| 5785             | -6.80               | 3.00       | 10.02       | 0.29        | 4.07         | 6.51            | 4.48 | 30.00      | 23.49 | 30.00   | 23.49 | 10.58  | 11.43 | 36.00      | 25.42 | 36.00   | 25.42 |  |  |  |  |
| 5825             | -6.53               | 3.00       | 10.02       | 0.29        | 4.07         | 6.78            | 4.76 | 30.00      | 23.22 | 30.00   | 23.22 | 10.85  | 12.16 | 36.00      | 25.15 | 36.00   | 25.15 |  |  |  |  |

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor

e.i.r.p. Result = Conducted Power Result + Antenna Gain

#### 15.407 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

For all test frequencies, B was applied the minimum value (23.719 MHz) as conservative limit.

#### RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

e.i.r.p. Limit (5150 MHz-5250 MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (17.635 MHz) as conservative limit.

### 5180 MHz

| Antenna | Mode    | P/M (AV) Reading<br>[dBm] | Cable Loss<br>[dB] | Atten. Loss<br>[dB] | Duty factor<br>[dB] | Result<br>[dBm] | Remarks | Antenna | Mode    | P/M (AV) Reading<br>[dBm] | Cable Loss<br>[dB] | Atten. Loss<br>[dB] | Duty factor<br>[dB] | Result<br>[dBm] | Remarks      |
|---------|---------|---------------------------|--------------------|---------------------|---------------------|-----------------|---------|---------|---------|---------------------------|--------------------|---------------------|---------------------|-----------------|--------------|
|         | (MCS)   |                           |                    |                     |                     |                 |         |         | (MCS)   |                           |                    |                     |                     |                 |              |
| Ant 0   | 0 (1ss) | -5.41                     | 2.95               | 10.01               | 0.10                | 7.65            |         | Ant 2   | 0 (1ss) | -5.39                     | 2.95               | 10.00               | 0.10                | 7.66            |              |
|         | 1 (1ss) | -5.52                     | 2.95               | 10.01               | 0.20                | 7.64            |         |         | 1 (1ss) | -5.47                     | 2.95               | 10.00               | 0.20                | 7.68            |              |
|         | 2 (1ss) | -5.53                     | 2.95               | 10.01               | 0.29                | 7.72            |         |         | 2 (1ss) | -5.50                     | 2.95               | 10.00               | 0.29                | <b>7.74</b>     | <b>Worst</b> |
|         | 3 (1ss) | -5.63                     | 2.95               | 10.01               | 0.37                | 7.70            |         |         | 3 (1ss) | -5.59                     | 2.95               | 10.00               | 0.37                | 7.73            |              |
|         | 4 (1ss) | -5.76                     | 2.95               | 10.01               | 0.53                | 7.73            |         |         | 4 (1ss) | -5.81                     | 2.95               | 10.00               | 0.53                | 7.67            |              |
|         | 5 (1ss) | -5.98                     | 2.95               | 10.01               | 0.65                | 7.63            |         |         | 5 (1ss) | -5.95                     | 2.95               | 10.00               | 0.65                | 7.65            |              |
|         | 6 (1ss) | -6.04                     | 2.95               | 10.01               | 0.70                | 7.62            |         |         | 6 (1ss) | -5.97                     | 2.95               | 10.00               | 0.70                | 7.68            |              |
|         | 7 (1ss) | -6.07                     | 2.95               | 10.01               | 0.77                | 7.66            |         |         | 7 (1ss) | -6.02                     | 2.95               | 10.00               | 0.77                | 7.70            |              |

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor

\* 1ss: 1 spatial stream

## Maximum Conducted Output Power

Test place Shonan EMC Lab. No.1 Measurement Room  
Date September 29, 2023 September 29, 2023  
Temperature / Humidity 24 deg. C / 46 % RH 24 deg. C / 48 % RH  
Engineer Kazuya Noda Yusuke Tanikawara  
Mode Tx, Ant 2

### 11ac-20 (SISO)

| Tested Frequency<br>[MHz] | Power Meter Reading<br>[dBm] | Cable Loss<br>[dB] | Atten. Loss<br>[dB] | Duty Factor<br>[dB] | Antenna Gain<br>[dBi] | Conducted Power |             |             |             | e.i.r.p.    |             |              |              | e.i.r.p.    |             |             |             |
|---------------------------|------------------------------|--------------------|---------------------|---------------------|-----------------------|-----------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|-------------|-------------|-------------|-------------|
|                           |                              |                    |                     |                     |                       | Result          |             | FCC 15.407  |             | RSS-247     |             | Result       |              | FCC 15.407  |             | RSS-247     |             |
|                           |                              |                    |                     |                     |                       | [dBm]           | [mW]        | Limit [dBm] | Margin [dB] | Limit [dBm] | Margin [dB] | [dBm]        | [mW]         | Limit [dBm] | Margin [dB] | Limit [dBm] | Margin [dB] |
| 5180                      | -5.49                        | 2.95               | 10.00               | 0.29                | 4.07                  | 7.75            | 5.96        | 23.97       | 16.22       | -           | -           | 11.82        | 15.21        | 29.97       | 18.15       | 22.48       | 10.66       |
| 5220                      | -5.18                        | 2.95               | 10.00               | 0.29                | 4.07                  | <b>8.06</b>     | <b>6.40</b> | 23.97       | 15.91       | -           | -           | <b>12.13</b> | <b>16.33</b> | 29.97       | 17.84       | 22.48       | 10.35       |
| 5240                      | -5.35                        | 2.95               | 10.00               | 0.29                | 4.07                  | 7.89            | 6.15        | 23.97       | 16.08       | -           | -           | 11.96        | 15.70        | 29.97       | 18.01       | 22.48       | 10.52       |
| 5260                      | -5.43                        | 2.96               | 10.00               | 0.29                | 4.07                  | <b>7.82</b>     | <b>6.05</b> | 23.97       | 16.15       | 23.48       | 15.66       | <b>11.89</b> | <b>15.45</b> | 29.97       | 18.08       | 29.48       | 17.59       |
| 5300                      | -5.64                        | 2.96               | 10.00               | 0.29                | 4.07                  | 7.61            | 5.77        | 23.97       | 16.36       | 23.48       | 15.87       | 11.68        | 14.72        | 29.97       | 18.29       | 29.48       | 17.80       |
| 5320                      | -5.52                        | 2.96               | 10.00               | 0.29                | 4.07                  | 7.73            | 5.93        | 23.97       | 16.24       | 23.48       | 15.75       | 11.80        | 15.14        | 29.97       | 18.17       | 29.48       | 17.68       |
| 5500                      | -5.58                        | 2.98               | 10.01               | 0.29                | 4.07                  | 7.70            | 5.89        | 23.97       | 16.27       | 23.48       | 15.78       | 11.77        | 15.03        | 29.97       | 18.20       | 29.48       | 17.71       |
| 5580                      | -5.53                        | 2.98               | 10.01               | 0.29                | 4.07                  | <b>7.75</b>     | <b>5.96</b> | 23.97       | 16.22       | 23.48       | 15.73       | <b>11.82</b> | <b>15.21</b> | 29.97       | 18.15       | 29.48       | 17.66       |
| 5700                      | -5.76                        | 2.99               | 10.01               | 0.29                | 4.07                  | 7.53            | 5.66        | 23.97       | 16.44       | 23.48       | 15.95       | 11.60        | 14.45        | 29.97       | 18.37       | 29.48       | 17.88       |
| 5745                      | -6.59                        | 3.00               | 10.02               | 0.29                | 4.07                  | 6.72            | 4.70        | 30.00       | 23.28       | 30.00       | 23.28       | 10.79        | 11.99        | 36.00       | 25.21       | 36.00       | 25.21       |
| 5785                      | -6.79                        | 3.00               | 10.02               | 0.29                | 4.07                  | 6.52            | 4.49        | 30.00       | 23.48       | 30.00       | 23.48       | 10.59        | 11.46        | 36.00       | 25.41       | 36.00       | 25.41       |
| 5825                      | -6.48                        | 3.00               | 10.02               | 0.29                | 4.07                  | <b>6.83</b>     | <b>4.82</b> | 30.00       | 23.17       | 30.00       | 23.17       | <b>10.90</b> | <b>12.30</b> | 36.00       | 25.10       | 36.00       | 25.10       |

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor

e.i.r.p. Result = Conducted Power Result + Antenna Gain

### 15.407 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

For all test frequencies, B was applied the minimum value (23.083 MHz) as conservative limit.

### RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

e.i.r.p. Limit (5150 MHz-5250 MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (17.737 MHz) as conservative limit.

### 5180 MHz

| Antenna | Mode    | P/M (AV) Reading [dBm] | Cable Loss [dB] | Atten. Loss [dB] | Duty factor [dB] | Result [dBm] | Remarks | Antenna | Mode    | P/M (AV) Reading [dBm] | Cable Loss [dB] | Atten. Loss [dB] | Duty factor [dB] | Result [dBm] | Remarks      |
|---------|---------|------------------------|-----------------|------------------|------------------|--------------|---------|---------|---------|------------------------|-----------------|------------------|------------------|--------------|--------------|
| Ant 0   | 0 (1ss) | -5.33                  | 2.95            | 10.01            | 0.10             | 7.73         |         | Ant 2   | 0 (1ss) | -5.36                  | 2.95            | 10.00            | 0.10             | 7.69         |              |
|         | 1 (1ss) | -5.45                  | 2.95            | 10.01            | 0.20             | 7.71         |         |         | 1 (1ss) | -5.47                  | 2.95            | 10.00            | 0.20             | 7.68         |              |
|         | 2 (1ss) | -5.52                  | 2.95            | 10.01            | 0.29             | 7.73         |         |         | 2 (1ss) | -5.49                  | 2.95            | 10.00            | 0.29             | <b>7.75</b>  | <b>Worst</b> |
|         | 3 (1ss) | -5.58                  | 2.95            | 10.01            | 0.36             | 7.74         |         |         | 3 (1ss) | -5.57                  | 2.95            | 10.00            | 0.36             | 7.74         |              |
|         | 4 (1ss) | -5.76                  | 2.95            | 10.01            | 0.51             | 7.71         |         |         | 4 (1ss) | -5.81                  | 2.95            | 10.00            | 0.51             | 7.65         |              |
|         | 5 (1ss) | -5.93                  | 2.95            | 10.01            | 0.64             | 7.67         |         |         | 5 (1ss) | -5.94                  | 2.95            | 10.00            | 0.64             | 7.65         |              |
|         | 6 (1ss) | -5.97                  | 2.95            | 10.01            | 0.69             | 7.68         |         |         | 6 (1ss) | -5.95                  | 2.95            | 10.00            | 0.69             | 7.69         |              |
|         | 7 (1ss) | -6.05                  | 2.95            | 10.01            | 0.75             | 7.66         |         |         | 7 (1ss) | -5.99                  | 2.95            | 10.00            | 0.75             | 7.71         |              |
|         | 8 (1ss) | -6.11                  | 2.95            | 10.01            | 0.84             | 7.69         |         |         | 8 (1ss) | -6.14                  | 2.95            | 10.00            | 0.84             | 7.65         |              |

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor

\* 1ss: 1 spatial stream

## Maximum Conducted Output Power

Test place Shonan EMC Lab. No.1 Measurement Room  
Date October 27, 2023 October 31, 2023 January 30, 2024 July 9, 2024  
Temperature / Humidity 25 deg. C / 33 % RH 25 deg. C / 33 % RH 22 deg. C / 44 % RH 23 deg. C / 37 % RH  
Engineer Kazuya Noda Kazuya Noda Kazuya Noda Kouki Yamada  
Mode Tx, Ant 2

### 11ax-20 (SISO)

| Tested Frequency<br>[MHz] | Power Meter Reading<br>[dBm] | Cable Loss<br>[dB] | Atten. Loss<br>[dB] | Duty Factor<br>[dB] | Antenna Gain<br>[dBi] | Conducted Power |      |            |        |         |        | e.i.r.p. |       |            |        |         |        |
|---------------------------|------------------------------|--------------------|---------------------|---------------------|-----------------------|-----------------|------|------------|--------|---------|--------|----------|-------|------------|--------|---------|--------|
|                           |                              |                    |                     |                     |                       | Result          |      | FCC 15.407 |        | RSS-247 |        | Result   |       | FCC 15.407 |        | RSS-247 |        |
|                           |                              |                    |                     |                     |                       | [dBm]           | [mW] | Limit      | Margin | Limit   | Margin | [dBm]    | [mW]  | Limit      | Margin | Limit   | Margin |
| 5180                      | -5.77                        | 2.95               | 10.01               | 1.03                | 4.07                  | 8.22            | 6.64 | 23.97      | 15.75  | -       | -      | 12.29    | 16.95 | 29.97      | 17.68  | 22.77   | 10.48  |
| 5220                      | -6.18                        | 2.95               | 10.01               | 1.03                | 4.07                  | 7.81            | 6.04 | 23.97      | 16.16  | -       | -      | 11.88    | 15.42 | 29.97      | 18.09  | 22.77   | 10.89  |
| 5240                      | -6.15                        | 2.95               | 10.01               | 1.03                | 4.07                  | 7.84            | 6.08 | 23.97      | 16.13  | -       | -      | 11.91    | 15.53 | 29.97      | 18.06  | 22.77   | 10.86  |
| 5260                      | -6.06                        | 2.95               | 10.01               | 1.03                | 4.07                  | 7.93            | 6.21 | 23.97      | 16.04  | 23.77   | 15.84  | 12.00    | 15.86 | 29.97      | 17.97  | 29.77   | 17.77  |
| 5300                      | -6.68                        | 2.96               | 10.01               | 1.03                | 4.07                  | 7.32            | 5.40 | 23.97      | 16.65  | 23.77   | 16.45  | 11.39    | 13.78 | 29.97      | 18.58  | 29.77   | 18.38  |
| 5320                      | -6.07                        | 2.96               | 10.01               | 1.03                | 4.07                  | 7.93            | 6.21 | 23.97      | 16.04  | 23.77   | 15.84  | 12.00    | 15.86 | 29.97      | 17.97  | 29.77   | 17.77  |
| 5500                      | -5.98                        | 2.98               | 10.01               | 1.03                | 4.07                  | 8.04            | 6.37 | 23.97      | 15.93  | 23.77   | 15.73  | 12.11    | 16.26 | 29.97      | 17.86  | 29.77   | 17.66  |
| 5580                      | -5.99                        | 2.98               | 10.01               | 1.03                | 4.07                  | 8.03            | 6.36 | 23.97      | 15.94  | 23.77   | 15.74  | 12.10    | 16.23 | 29.97      | 17.87  | 29.77   | 17.67  |
| 5700                      | -6.31                        | 2.99               | 10.01               | 1.03                | 4.07                  | 7.72            | 5.92 | 23.97      | 16.25  | 23.77   | 16.05  | 11.79    | 15.11 | 29.97      | 18.18  | 29.77   | 17.98  |
| 5745                      | -7.41                        | 3.00               | 10.01               | 1.03                | 4.07                  | 6.63            | 4.60 | 30.00      | 23.37  | 30.00   | 23.37  | 10.70    | 11.75 | 36.00      | 25.30  | 36.00   | 25.30  |
| 5785                      | -7.51                        | 3.00               | 10.01               | 1.03                | 4.07                  | 6.53            | 4.50 | 30.00      | 23.47  | 30.00   | 23.47  | 10.60    | 11.49 | 36.00      | 25.40  | 36.00   | 25.40  |
| 5825                      | -7.47                        | 3.00               | 10.01               | 1.03                | 4.07                  | 6.57            | 4.54 | 30.00      | 23.43  | 30.00   | 23.43  | 10.64    | 11.59 | 36.00      | 25.36  | 36.00   | 25.36  |

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor

e.i.r.p. Result = Conducted Power Result + Antenna Gain

### 15.407 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

For all test frequencies, B was applied the minimum value (29.900 MHz) as conservative limit.

### RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

e.i.r.p. Limit (5150 MHz-5250 MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (18.950 MHz) as conservative limit.

### 5180 MHz

| Antenna | Mode     | P/M (AV) Reading<br>[dBm] | Cable Loss<br>[dB] | Atten. Loss<br>[dB] | Duty factor<br>[dB] | Result<br>[dBm] | Remarks | Antenna | Mode     | P/M (AV) Reading<br>[dBm] | Cable Loss<br>[dB] | Atten. Loss<br>[dB] | Duty factor<br>[dB] | Result<br>[dBm] | Remarks |
|---------|----------|---------------------------|--------------------|---------------------|---------------------|-----------------|---------|---------|----------|---------------------------|--------------------|---------------------|---------------------|-----------------|---------|
| Ant 0   | 0 (1ss)  | -5.21                     | 2.95               | 10.01               | 0.14                | 7.89            |         | Ant 2   | 0 (1ss)  | -5.20                     | 2.95               | 10.01               | 0.14                | 7.90            |         |
|         | 1 (1ss)  | -5.38                     | 2.95               | 10.01               | 0.25                | 7.83            |         |         | 1 (1ss)  | -5.30                     | 2.95               | 10.01               | 0.25                | 7.91            |         |
|         | 2 (1ss)  | -5.48                     | 2.95               | 10.01               | 0.36                | 7.84            |         |         | 2 (1ss)  | -5.40                     | 2.95               | 10.01               | 0.36                | 7.92            |         |
|         | 3 (1ss)  | -5.53                     | 2.95               | 10.01               | 0.44                | 7.87            |         |         | 3 (1ss)  | -5.51                     | 2.95               | 10.01               | 0.44                | 7.89            |         |
|         | 4 (1ss)  | -5.72                     | 2.95               | 10.01               | 0.60                | 7.84            |         |         | 4 (1ss)  | -5.68                     | 2.95               | 10.01               | 0.60                | 7.88            |         |
|         | 5 (1ss)  | -5.85                     | 2.95               | 10.01               | 0.74                | 7.85            |         |         | 5 (1ss)  | -5.82                     | 2.95               | 10.01               | 0.74                | 7.88            |         |
|         | 6 (1ss)  | -5.89                     | 2.95               | 10.01               | 0.75                | 7.82            |         |         | 6 (1ss)  | -5.84                     | 2.95               | 10.01               | 0.75                | 7.87            |         |
|         | 7 (1ss)  | -6.01                     | 2.95               | 10.01               | 0.78                | 7.73            |         |         | 7 (1ss)  | -5.94                     | 2.95               | 10.01               | 0.78                | 7.80            |         |
|         | 8 (1ss)  | -5.98                     | 2.95               | 10.01               | 0.90                | 7.88            |         |         | 8 (1ss)  | -5.94                     | 2.95               | 10.01               | 0.90                | 7.92            |         |
|         | 9 (1ss)  | -6.06                     | 2.95               | 10.01               | 0.95                | 7.85            |         |         | 9 (1ss)  | -6.01                     | 2.95               | 10.01               | 0.95                | 7.90            |         |
|         | 10 (1ss) | -5.84                     | 2.95               | 10.01               | 1.02                | 8.14            |         |         | 10 (1ss) | -5.82                     | 2.95               | 10.01               | 1.02                | 8.16            |         |
|         | 11 (1ss) | -5.80                     | 2.95               | 10.01               | 1.03                | 8.19            |         |         | 11 (1ss) | -5.77                     | 2.95               | 10.01               | 1.03                | 8.22            | Worst   |

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor

\* 1ss: 1 spatial stream

## Maximum Conducted Output Power

Test place Shonan EMC Lab. No.1 Measurement Room  
Date September 29, 2023 September 29, 2023  
Temperature / Humidity 24 deg. C / 46 % RH 24 deg. C / 48 % RH  
Engineer Kazuya Noda Yusuke Tanikawara  
Mode Tx, Ant 2

### 11n-40 (SISO)

| Tested Frequency<br>[MHz] | Power Meter Reading<br>[dBm] | Cable Loss<br>[dB] | Atten. Loss<br>[dB] | Duty Factor<br>[dB] | Antenna Gain<br>[dBi] | Conducted Power |      |            |        | e.i.r.p. |        |        |       |
|---------------------------|------------------------------|--------------------|---------------------|---------------------|-----------------------|-----------------|------|------------|--------|----------|--------|--------|-------|
|                           |                              |                    |                     |                     |                       | Result          |      | FCC 15.407 |        | RSS-247  |        | Result |       |
|                           |                              |                    |                     |                     |                       | [dBm]           | [mW] | Limit      | Margin | Limit    | Margin | [dBm]  | [mW]  |
| 5190                      | -5.10                        | 2.95               | 10.00               | 0.20                | 4.07                  | 8.05            | 6.38 | 23.97      | 15.92  | -        | -      | 12.12  | 16.29 |
| 5230                      | -4.92                        | 2.95               | 10.00               | 0.20                | 4.07                  | 8.23            | 6.65 | 23.97      | 15.74  | -        | -      | 12.30  | 16.98 |
| 5270                      | -4.95                        | 2.96               | 10.00               | 0.20                | 4.07                  | 8.21            | 6.62 | 23.97      | 15.76  | 23.97    | 15.76  | 12.28  | 16.90 |
| 5310                      | -5.29                        | 2.96               | 10.00               | 0.20                | 4.07                  | 7.87            | 6.12 | 23.97      | 16.10  | 23.97    | 16.10  | 11.94  | 15.63 |
| 5510                      | -5.16                        | 2.98               | 10.01               | 0.20                | 4.07                  | 8.03            | 6.35 | 23.97      | 15.94  | 23.97    | 15.94  | 12.10  | 16.22 |
| 5550                      | -5.32                        | 2.98               | 10.01               | 0.20                | 4.07                  | 7.87            | 6.12 | 23.97      | 16.10  | 23.97    | 16.10  | 11.94  | 15.63 |
| 5670                      | -5.30                        | 2.99               | 10.01               | 0.20                | 4.07                  | 7.90            | 6.17 | 23.97      | 16.07  | 23.97    | 16.07  | 11.97  | 15.74 |
| 5755                      | -6.35                        | 3.00               | 10.02               | 0.20                | 4.07                  | 6.87            | 4.86 | 30.00      | 23.13  | 30.00    | 23.13  | 10.94  | 12.42 |
| 5795                      | -6.41                        | 3.00               | 10.02               | 0.20                | 4.07                  | 6.81            | 4.80 | 30.00      | 23.19  | 30.00    | 23.19  | 10.88  | 12.25 |

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor

e.i.r.p. Result = Conducted Power Result + Antenna Gain

### 15.407 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

For all test frequencies, B was applied the minimum value (39.458 MHz) as conservative limit.

### RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

e.i.r.p. Limit (5150 MHz-5250 MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (35.856 MHz) as conservative limit.

### 5190 MHz

| Antenna | Mode    | P/M (AV)<br>Reading<br>[dBm] | Cable<br>Loss<br>[dB] | Atten.<br>Loss<br>[dB] | Duty<br>factor<br>[dB] | Result<br>[dBm] | Remarks | Antenna | Mode    | P/M (AV)<br>Reading<br>[dBm] | Cable<br>Loss<br>[dB] | Atten.<br>Loss<br>[dB] | Duty<br>factor<br>[dB] | Result<br>[dBm] | Remarks |
|---------|---------|------------------------------|-----------------------|------------------------|------------------------|-----------------|---------|---------|---------|------------------------------|-----------------------|------------------------|------------------------|-----------------|---------|
| Ant 0   | 0 (1ss) | -5.71                        | 2.95                  | 10.01                  | 0.20                   | 7.45            |         | Ant 2   | 0 (1ss) | -5.10                        | 2.95                  | 10.00                  | 0.20                   | 8.05            | Worst   |
|         | 1 (1ss) | -5.85                        | 2.95                  | 10.01                  | 0.39                   | 7.50            |         |         | 1 (1ss) | -5.39                        | 2.95                  | 10.00                  | 0.39                   | 7.95            |         |
|         | 2 (1ss) | -6.05                        | 2.95                  | 10.01                  | 0.54                   | 7.45            |         |         | 2 (1ss) | -5.57                        | 2.95                  | 10.00                  | 0.54                   | 7.92            |         |
|         | 3 (1ss) | -6.25                        | 2.95                  | 10.01                  | 0.66                   | 7.37            |         |         | 3 (1ss) | -5.67                        | 2.95                  | 10.00                  | 0.66                   | 7.94            |         |
|         | 4 (1ss) | -6.49                        | 2.95                  | 10.01                  | 0.89                   | 7.36            |         |         | 4 (1ss) | -6.02                        | 2.95                  | 10.00                  | 0.89                   | 7.82            |         |
|         | 5 (1ss) | -6.71                        | 2.95                  | 10.01                  | 1.05                   | 7.30            |         |         | 5 (1ss) | -6.21                        | 2.95                  | 10.00                  | 1.05                   | 7.79            |         |
|         | 6 (1ss) | -6.82                        | 2.95                  | 10.01                  | 1.16                   | 7.30            |         |         | 6 (1ss) | -6.26                        | 2.95                  | 10.00                  | 1.16                   | 7.85            |         |
|         | 7 (1ss) | -6.89                        | 2.95                  | 10.01                  | 1.19                   | 7.26            |         |         | 7 (1ss) | -6.31                        | 2.95                  | 10.00                  | 1.19                   | 7.83            |         |

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor

\* 1ss: 1 spatial stream

## Maximum Conducted Output Power

Test place Shonan EMC Lab. No.1 Measurement Room  
Date September 29, 2023 September 29, 2023  
Temperature / Humidity 24 deg. C / 46 % RH 24 deg. C / 48 % RH  
Engineer Kazuya Noda Yusuke Tanikawara  
Mode Tx, Ant 2

### 11ac-40 (SISO)

| Tested Frequency | Power Meter Reading | Cable Loss | Atten. Loss | Duty Factor | Antenna Gain | Conducted Power |        |            |        |         |        |        |        | e.i.r.p.   |        |         |        |  |  |  |  |
|------------------|---------------------|------------|-------------|-------------|--------------|-----------------|--------|------------|--------|---------|--------|--------|--------|------------|--------|---------|--------|--|--|--|--|
|                  |                     |            |             |             |              | Result          |        | FCC 15.407 |        | RSS-247 |        | Result |        | FCC 15.407 |        | RSS-247 |        |  |  |  |  |
|                  |                     |            |             |             |              | Limit           | Margin | Limit      | Margin | Limit   | Margin | Limit  | Margin | Limit      | Margin | Limit   | Margin |  |  |  |  |
| [MHz]            | [dBm]               | [dB]       | [dB]        | [dB]        | [dBi]        | [dBm]           | [mW]   | [dBm]      | [dB]   | [dBm]   | [dB]   | [dBm]  | [mW]   | [dBm]      | [dB]   | [dBm]   | [dB]   |  |  |  |  |
| 5190             | -5.31               | 2.95       | 10.00       | 0.38        | 4.07         | 8.02            | 6.34   | 23.97      | 15.95  | -       | -      | 12.09  | 16.18  | 29.97      | 17.88  | 23.01   | 10.92  |  |  |  |  |
| 5230             | -5.21               | 2.95       | 10.00       | 0.38        | 4.07         | 8.12            | 6.49   | 23.97      | 15.85  | -       | -      | 12.19  | 16.56  | 29.97      | 17.78  | 23.01   | 10.82  |  |  |  |  |
| 5270             | -5.18               | 2.96       | 10.00       | 0.38        | 4.07         | 8.16            | 6.55   | 23.97      | 15.81  | 23.97   | 15.81  | 12.23  | 16.71  | 29.97      | 17.74  | 30.00   | 17.77  |  |  |  |  |
| 5310             | -5.50               | 2.96       | 10.00       | 0.38        | 4.07         | 7.84            | 6.08   | 23.97      | 16.13  | 23.97   | 16.13  | 11.91  | 15.52  | 29.97      | 18.06  | 30.00   | 18.09  |  |  |  |  |
| 5510             | -5.41               | 2.98       | 10.01       | 0.38        | 4.07         | 7.96            | 6.25   | 23.97      | 16.01  | 23.97   | 16.01  | 12.03  | 15.96  | 29.97      | 17.94  | 30.00   | 17.97  |  |  |  |  |
| 5550             | -5.62               | 2.98       | 10.01       | 0.38        | 4.07         | 7.75            | 5.96   | 23.97      | 16.22  | 23.97   | 16.22  | 11.82  | 15.21  | 29.97      | 18.15  | 30.00   | 18.18  |  |  |  |  |
| 5670             | -5.48               | 2.99       | 10.01       | 0.38        | 4.07         | 7.90            | 6.17   | 23.97      | 16.07  | 23.97   | 16.07  | 11.97  | 15.74  | 29.97      | 18.00  | 30.00   | 18.03  |  |  |  |  |
| 5755             | -6.60               | 3.00       | 10.02       | 0.38        | 4.07         | 6.80            | 4.79   | 30.00      | 23.20  | 30.00   | 23.20  | 10.87  | 12.22  | 36.00      | 25.13  | 36.00   | 25.13  |  |  |  |  |
| 5795             | -6.70               | 3.00       | 10.02       | 0.38        | 4.07         | 6.70            | 4.68   | 30.00      | 23.30  | 30.00   | 23.30  | 10.77  | 11.94  | 36.00      | 25.23  | 36.00   | 25.23  |  |  |  |  |

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor

e.i.r.p. Result = Conducted Power Result + Antenna Gain

### 15.407 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

For all test frequencies, B was applied the minimum value (39.344 MHz) as conservative limit.

### RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

e.i.r.p. Limit (5150 MHz-5250 MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (35.809 MHz) as conservative limit.

### 5190 MHz

| Antenna | Mode    | P/M (AV) Reading<br>[dBm] | Cable Loss<br>[dB] | Atten. Loss<br>[dB] | Duty factor<br>[dB] | Result<br>[dBm] | Remarks | Antenna | Mode    | P/M (AV) Reading<br>[dBm] | Cable Loss<br>[dB] | Atten. Loss<br>[dB] | Duty factor<br>[dB] | Result<br>[dBm] | Remarks |
|---------|---------|---------------------------|--------------------|---------------------|---------------------|-----------------|---------|---------|---------|---------------------------|--------------------|---------------------|---------------------|-----------------|---------|
|         | (MCS)   |                           |                    |                     |                     |                 |         |         | (MCS)   |                           |                    |                     |                     |                 |         |
| Ant 0   | 0 (1ss) | -5.70                     | 2.95               | 10.01               | 0.21                | 7.47            |         | Ant 2   | 0 (1ss) | -5.21                     | 2.95               | 10.00               | 0.21                | 7.95            |         |
|         | 1 (1ss) | -5.85                     | 2.95               | 10.01               | 0.38                | 7.49            |         |         | 1 (1ss) | -5.31                     | 2.95               | 10.00               | 0.38                | <b>8.02</b>     | Worst   |
|         | 2 (1ss) | -6.06                     | 2.95               | 10.01               | 0.53                | 7.43            |         |         | 2 (1ss) | -5.56                     | 2.95               | 10.00               | 0.53                | 7.92            |         |
|         | 3 (1ss) | -6.23                     | 2.95               | 10.01               | 0.65                | 7.38            |         |         | 3 (1ss) | -5.66                     | 2.95               | 10.00               | 0.65                | 7.94            |         |
|         | 4 (1ss) | -6.43                     | 2.95               | 10.01               | 0.88                | 7.41            |         |         | 4 (1ss) | -5.98                     | 2.95               | 10.00               | 0.88                | 7.85            |         |
|         | 5 (1ss) | -6.63                     | 2.95               | 10.01               | 1.00                | 7.33            |         |         | 5 (1ss) | -6.15                     | 2.95               | 10.00               | 1.00                | 7.80            |         |
|         | 6 (1ss) | -6.67                     | 2.95               | 10.01               | 1.11                | 7.40            |         |         | 6 (1ss) | -6.24                     | 2.95               | 10.00               | 1.11                | 7.82            |         |
|         | 7 (1ss) | -6.83                     | 2.95               | 10.01               | 1.14                | 7.27            |         |         | 7 (1ss) | -6.28                     | 2.95               | 10.00               | 1.14                | 7.81            |         |
|         | 8 (1ss) | -7.09                     | 2.95               | 10.01               | 1.28                | 7.15            |         |         | 8 (1ss) | -6.55                     | 2.95               | 10.00               | 1.28                | 7.68            |         |
|         | 9 (1ss) | -7.13                     | 2.95               | 10.01               | 1.32                | 7.15            |         |         | 9 (1ss) | -6.59                     | 2.95               | 10.00               | 1.32                | 7.68            |         |

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor

\* 1ss: 1 spatial stream

## Maximum Conducted Output Power

Test place Shonan EMC Lab. No.1 Measurement Room  
Date October 27, 2023 October 31, 2023 January 30, 2024  
Temperature / Humidity 25 deg. C / 33 % RH 25 deg. C / 33 % RH 22 deg. C / 44 % RH  
Engineer Kazuya Noda Kazuya Noda Kazuya Noda  
Mode Tx, Ant 2

### 11ax-40 (SISO)

| Tested Frequency<br>[MHz] | Power Meter Reading<br>[dBm] | Cable Loss<br>[dB] | Atten. Loss<br>[dB] | Duty Factor<br>[dB] | Antenna Gain<br>[dBi] | Conducted Power |      |             |             | e.i.r.p.    |             |        |       |
|---------------------------|------------------------------|--------------------|---------------------|---------------------|-----------------------|-----------------|------|-------------|-------------|-------------|-------------|--------|-------|
|                           |                              |                    |                     |                     |                       | Result          |      | FCC 15.407  |             | RSS-247     |             | Result |       |
|                           |                              |                    |                     |                     |                       | [dBm]           | [mW] | Limit [dBm] | Margin [dB] | Limit [dBm] | Margin [dB] | [dBm]  | [mW]  |
| 5190                      | -6.09                        | 2.95               | 10.01               | 1.39                | 4.07                  | 8.26            | 6.70 | 23.97       | 15.71       | -           | -           | 12.33  | 17.11 |
| 5230                      | -6.05                        | 2.95               | 10.01               | 1.39                | 4.07                  | 8.30            | 6.76 | 23.97       | 15.67       | -           | -           | 12.37  | 17.26 |
| 5270                      | -6.04                        | 2.96               | 10.01               | 1.39                | 4.07                  | 8.32            | 6.79 | 23.97       | 15.65       | 23.97       | 15.65       | 12.39  | 17.34 |
| 5310                      | -5.97                        | 2.96               | 10.01               | 1.39                | 4.07                  | 8.39            | 6.90 | 23.97       | 15.58       | 23.97       | 15.58       | 12.46  | 17.62 |
| 5510                      | -6.08                        | 2.98               | 10.01               | 1.39                | 4.07                  | 8.30            | 6.76 | 23.97       | 15.67       | 23.97       | 15.67       | 12.37  | 17.26 |
| 5550                      | -6.04                        | 2.98               | 10.01               | 1.39                | 4.07                  | 8.34            | 6.83 | 23.97       | 15.63       | 23.97       | 15.63       | 12.41  | 17.42 |
| 5670                      | -5.98                        | 2.99               | 10.01               | 1.39                | 4.07                  | 8.41            | 6.94 | 23.97       | 15.56       | 23.97       | 15.56       | 12.48  | 17.71 |
| 5755                      | -7.79                        | 3.00               | 10.01               | 1.39                | 4.07                  | 6.61            | 4.58 | 30.00       | 23.39       | 30.00       | 23.39       | 10.68  | 11.70 |
| 5795                      | -7.15                        | 3.00               | 10.01               | 1.39                | 4.07                  | 7.25            | 5.31 | 30.00       | 22.75       | 30.00       | 22.75       | 11.32  | 13.56 |

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor

e.i.r.p. Result = Conducted Power Result + Antenna Gain

### 15.407 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

For all test frequencies, B was applied the minimum value (39.759 MHz) as conservative limit.

### RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

e.i.r.p. Limit (5150 MHz-5250 MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (37.864 MHz) as conservative limit.

### 5190 MHz

| Antenna | Mode     | P/M (AV) Reading [dBm] | Cable Loss [dB] | Atten. Loss [dB] | Duty factor [dB] | Result [dBm] | Remarks | Antenna | Mode     | P/M (AV) Reading [dBm] | Cable Loss [dB] | Atten. Loss [dB] | Duty factor [dB] | Result [dBm] | Remarks |
|---------|----------|------------------------|-----------------|------------------|------------------|--------------|---------|---------|----------|------------------------|-----------------|------------------|------------------|--------------|---------|
| Ant 0   | 0 (1ss)  | -5.51                  | 2.95            | 10.01            | 0.25             | 7.70         |         | Ant 2   | 0 (1ss)  | -5.05                  | 2.95            | 10.01            | 0.25             | 8.16         |         |
|         | 1 (1ss)  | -5.76                  | 2.95            | 10.01            | 0.45             | 7.65         |         |         | 1 (1ss)  | -5.29                  | 2.95            | 10.01            | 0.45             | 8.12         |         |
|         | 2 (1ss)  | -5.92                  | 2.95            | 10.01            | 0.60             | 7.64         |         |         | 2 (1ss)  | -5.53                  | 2.95            | 10.01            | 0.60             | 8.03         |         |
|         | 3 (1ss)  | -6.12                  | 2.95            | 10.01            | 0.73             | 7.57         |         |         | 3 (1ss)  | -5.63                  | 2.95            | 10.01            | 0.73             | 8.06         |         |
|         | 4 (1ss)  | -6.38                  | 2.95            | 10.01            | 0.92             | 7.50         |         |         | 4 (1ss)  | -5.98                  | 2.95            | 10.01            | 0.92             | 7.90         |         |
|         | 5 (1ss)  | -6.49                  | 2.95            | 10.01            | 1.06             | 7.53         |         |         | 5 (1ss)  | -6.09                  | 2.95            | 10.01            | 1.06             | 7.93         |         |
|         | 6 (1ss)  | -6.51                  | 2.95            | 10.01            | 1.08             | 7.53         |         |         | 6 (1ss)  | -6.15                  | 2.95            | 10.01            | 1.08             | 7.89         |         |
|         | 7 (1ss)  | -6.56                  | 2.95            | 10.01            | 1.14             | 7.54         |         |         | 7 (1ss)  | -6.16                  | 2.95            | 10.01            | 1.14             | 7.94         |         |
|         | 8 (1ss)  | -6.81                  | 2.95            | 10.01            | 1.23             | 7.38         |         |         | 8 (1ss)  | -6.40                  | 2.95            | 10.01            | 1.23             | 7.79         |         |
|         | 9 (1ss)  | -6.80                  | 2.95            | 10.01            | 1.24             | 7.40         |         |         | 9 (1ss)  | -6.39                  | 2.95            | 10.01            | 1.24             | 7.81         |         |
|         | 10 (1ss) | -6.63                  | 2.95            | 10.01            | 1.29             | 7.62         |         |         | 10 (1ss) | -6.03                  | 2.95            | 10.01            | 1.29             | 8.22         |         |
|         | 11 (1ss) | -6.77                  | 2.95            | 10.01            | 1.39             | 7.58         |         |         | 11 (1ss) | -6.09                  | 2.95            | 10.01            | 1.39             | 8.26         | Worst   |

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor

\* 1ss: 1 spatial stream

## Maximum Conducted Output Power

Test place Shonan EMC Lab. No.1 Measurement Room  
Date September 29, 2023 September 29, 2023 July 9, 2024  
Temperature / Humidity 24 deg. C / 46 % RH 24 deg. C / 48 % RH 23 deg. C / 37 % RH  
Engineer Kazuya Noda Yusuke Tanikawara Kouki Yamada  
Mode Tx, Ant 2

### 11ac-80 (SISO)

| Tested Frequency<br>[MHz] | Power Meter Reading<br>[dBm] | Cable Loss<br>[dB] | Atten. Loss<br>[dB] | Duty Factor<br>[dB] | Antenna Gain<br>[dBi] | Conducted Power |             |             |             | e.i.r.p.    |             |              |              |
|---------------------------|------------------------------|--------------------|---------------------|---------------------|-----------------------|-----------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|
|                           |                              |                    |                     |                     |                       | Result          |             | FCC 15.407  |             | RSS-247     |             | Result       |              |
|                           |                              |                    |                     |                     |                       | [dBm]           | [mW]        | Limit [dBm] | Margin [dB] | Limit [dBm] | Margin [dB] | [dBm]        | [mW]         |
| 5210                      | -6.34                        | 2.95               | 10.00               | 0.92                | 4.07                  | <b>7.53</b>     | <b>5.66</b> | 23.97       | 16.44       | -           | -           | <b>11.60</b> | <b>14.45</b> |
| 5290                      | -6.07                        | 2.96               | 10.00               | 0.92                | 4.07                  | <b>7.81</b>     | <b>6.04</b> | 23.97       | 16.16       | 23.97       | 16.16       | <b>11.88</b> | <b>15.42</b> |
| 5530                      | -6.31                        | 2.98               | 10.01               | 0.92                | 4.07                  | <b>7.60</b>     | <b>5.75</b> | 23.97       | 16.37       | 23.97       | 16.37       | <b>11.67</b> | <b>14.69</b> |
| 5775                      | -7.32                        | 3.00               | 10.02               | 0.92                | 4.07                  | <b>6.62</b>     | <b>4.59</b> | 30.00       | 23.38       | 30.00       | 23.38       | <b>10.69</b> | <b>11.72</b> |

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor

e.i.r.p. Result = Conducted Power Result + Antenna Gain

### 15.407 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

For all test frequencies, B was applied the minimum value (79.236 MHz) as conservative limit.

### RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

e.i.r.p. Limit (5150 MHz-5250 MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (75.163 MHz) as conservative limit.

### 5210 MHz

| Antenna | Mode    | P/M (AV) Reading | Cable Loss | Atten. Loss | Duty factor | Result | Remarks | Antenna | Mode    | P/M (AV) Reading | Cable Loss | Atten. Loss | Duty factor | Result      | Remarks      |
|---------|---------|------------------|------------|-------------|-------------|--------|---------|---------|---------|------------------|------------|-------------|-------------|-------------|--------------|
|         | (MCS)   | [dBm]            | [dB]       | [dB]        | [dB]        | [dBm]  |         |         | (MCS)   | [dBm]            | [dB]       | [dB]        | [dB]        | [dBm]       |              |
| Ant 0   | 0 (1ss) | -5.98            | 2.95       | 10.01       | 0.41        | 7.39   |         | Ant 2   | 0 (1ss) | -5.87            | 2.95       | 10.00       | 0.41        | 7.49        |              |
|         | 1 (1ss) | -6.36            | 2.95       | 10.01       | 0.71        | 7.31   |         |         | 1 (1ss) | -6.17            | 2.95       | 10.00       | 0.71        | 7.49        |              |
|         | 2 (1ss) | -6.55            | 2.95       | 10.01       | 0.92        | 7.33   |         |         | 2 (1ss) | -6.34            | 2.95       | 10.00       | 0.92        | <b>7.53</b> | <b>Worst</b> |
|         | 3 (1ss) | -6.80            | 2.95       | 10.01       | 1.08        | 7.24   |         |         | 3 (1ss) | -6.59            | 2.95       | 10.00       | 1.08        | 7.44        |              |
|         | 4 (1ss) | -7.17            | 2.95       | 10.01       | 1.35        | 7.14   |         |         | 4 (1ss) | -6.87            | 2.95       | 10.00       | 1.35        | 7.43        |              |
|         | 5 (1ss) | -7.27            | 2.95       | 10.01       | 1.52        | 7.21   |         |         | 5 (1ss) | -6.98            | 2.95       | 10.00       | 1.52        | 7.49        |              |
|         | 6 (1ss) | -7.38            | 2.95       | 10.01       | 1.59        | 7.17   |         |         | 6 (1ss) | -7.10            | 2.95       | 10.00       | 1.59        | 7.44        |              |
|         | 7 (1ss) | -7.40            | 2.95       | 10.01       | 1.61        | 7.17   |         |         | 7 (1ss) | -7.11            | 2.95       | 10.00       | 1.61        | 7.45        |              |
|         | 8 (1ss) | -7.55            | 2.95       | 10.01       | 1.74        | 7.15   |         |         | 8 (1ss) | -7.34            | 2.95       | 10.00       | 1.74        | 7.35        |              |
|         | 9 (1ss) | -7.56            | 2.95       | 10.01       | 1.77        | 7.17   |         |         | 9 (1ss) | -7.34            | 2.95       | 10.00       | 1.77        | 7.38        |              |

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor

\* 1ss: 1 spatial stream

## Maximum Conducted Output Power

Test place Shonan EMC Lab. No.1 Measurement Room  
Date October 27, 2023 October 31, 2023 January 30, 2024  
Temperature / Humidity 25 deg. C / 33 % RH 25 deg. C / 33 % RH 22 deg. C / 44 % RH  
Engineer Kazuya Noda Kazuya Noda Kazuya Noda  
Mode Tx, Ant 2

### 11ax-80 (SISO)

| Tested Frequency<br>[MHz] | Power Meter Reading<br>[dBm] | Cable Loss<br>[dB] | Atten. Loss<br>[dB] | Duty Factor<br>[dB] | Antenna Gain<br>[dBi] | Result |      |        |       | Conducted Power |       |        |       | Result |       |        |       | e.i.r.p. |       |        |   |
|---------------------------|------------------------------|--------------------|---------------------|---------------------|-----------------------|--------|------|--------|-------|-----------------|-------|--------|-------|--------|-------|--------|-------|----------|-------|--------|---|
|                           |                              |                    |                     |                     |                       | Limit  |      | Margin |       | Limit           |       | Margin |       | Limit  |       | Margin |       | Limit    |       | Margin |   |
| 5210                      | -6.43                        | 2.95               | 10.01               | 1.50                | 4.07                  | 8.03   | 6.35 | 23.97  | 15.94 | -               | -     | -      | -     | 12.10  | 16.22 | 29.97  | 17.87 | 23.01    | 10.91 | -      | - |
| 5290                      | -6.13                        | 2.96               | 10.01               | 1.50                | 4.07                  | 8.34   | 6.82 | 23.97  | 15.63 | 23.97           | 15.63 | 23.97  | 15.63 | 12.41  | 17.42 | 29.97  | 17.56 | 30.00    | 17.59 | -      | - |
| 5530                      | -6.55                        | 2.98               | 10.01               | 1.50                | 4.07                  | 7.94   | 6.22 | 23.97  | 16.03 | 23.97           | 16.03 | 23.97  | 16.03 | 12.01  | 15.89 | 29.97  | 17.96 | 30.00    | 17.99 | -      | - |
| 5775                      | -7.73                        | 2.95               | 10.01               | 1.50                | 4.07                  | 6.73   | 4.71 | 30.00  | 23.27 | 30.00           | 23.27 | 30.00  | 23.27 | 10.80  | 12.02 | 36.00  | 25.20 | 36.00    | 25.20 | -      | - |

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor

e.i.r.p. Result = Conducted Power Result + Antenna Gain

15.407 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

For all test frequencies, B was applied the minimum value (80.525 MHz) as conservative limit.

RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

e.i.r.p. Limit (5150 MHz-5250 MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (77.489 MHz) as conservative limit.

### 5210 MHz

| Antenna | Mode     | P/M (AV) Reading<br>[dBm] | Cable Loss<br>[dB] | Atten. Loss<br>[dB] | Duty factor<br>[dB] | Result<br>[dBm] | Remarks | Antenna | Mode     | P/M (AV) Reading<br>[dBm] | Cable Loss<br>[dB] | Atten. Loss<br>[dB] | Duty factor<br>[dB] | Result<br>[dBm] | Remarks |
|---------|----------|---------------------------|--------------------|---------------------|---------------------|-----------------|---------|---------|----------|---------------------------|--------------------|---------------------|---------------------|-----------------|---------|
| Ant 0   | 0 (1ss)  | -5.78                     | 2.95               | 10.01               | 0.47                | 7.65            |         | Ant 2   | 0 (1ss)  | -5.54                     | 2.95               | 10.01               | 0.47                | 7.89            |         |
|         | 1 (1ss)  | -6.13                     | 2.95               | 10.01               | 0.75                | 7.58            |         |         | 1 (1ss)  | -5.85                     | 2.95               | 10.01               | 0.75                | 7.86            |         |
|         | 2 (1ss)  | -6.37                     | 2.95               | 10.01               | 0.93                | 7.52            |         |         | 2 (1ss)  | -6.07                     | 2.95               | 10.01               | 0.93                | 7.82            |         |
|         | 3 (1ss)  | -6.60                     | 2.95               | 10.01               | 1.10                | 7.46            |         |         | 3 (1ss)  | -6.33                     | 2.95               | 10.01               | 1.10                | 7.73            |         |
|         | 4 (1ss)  | -6.72                     | 2.95               | 10.01               | 1.22                | 7.46            |         |         | 4 (1ss)  | -6.40                     | 2.95               | 10.01               | 1.22                | 7.78            |         |
|         | 5 (1ss)  | -6.84                     | 2.95               | 10.01               | 1.36                | 7.48            |         |         | 5 (1ss)  | -6.56                     | 2.95               | 10.01               | 1.36                | 7.76            |         |
|         | 6 (1ss)  | -6.88                     | 2.95               | 10.01               | 1.37                | 7.45            |         |         | 6 (1ss)  | -6.60                     | 2.95               | 10.01               | 1.37                | 7.73            |         |
|         | 7 (1ss)  | -6.91                     | 2.95               | 10.01               | 1.39                | 7.44            |         |         | 7 (1ss)  | -6.61                     | 2.95               | 10.01               | 1.39                | 7.74            |         |
|         | 8 (1ss)  | -6.93                     | 2.95               | 10.01               | 1.43                | 7.46            |         |         | 8 (1ss)  | -6.78                     | 2.95               | 10.01               | 1.43                | 7.61            |         |
|         | 9 (1ss)  | -6.91                     | 2.95               | 10.01               | 1.45                | 7.50            |         |         | 9 (1ss)  | -6.74                     | 2.95               | 10.01               | 1.45                | 7.67            |         |
|         | 10 (1ss) | -6.93                     | 2.95               | 10.01               | 1.50                | 7.53            |         |         | 10 (1ss) | -6.43                     | 2.95               | 10.01               | 1.50                | 8.03            | Worst   |
|         | 11 (1ss) | -6.94                     | 2.95               | 10.01               | 1.51                | 7.53            |         |         | 11 (1ss) | -6.48                     | 2.95               | 10.01               | 1.51                | 7.99            |         |

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor

\* 1ss: 1 spatial stream

## Maximum Conducted Output Power

Test place  
Date  
Temperature / Humidity  
Engineer  
Mode

Shonan EMC Lab. No.1 Measurement Room  
September 29, 2023  
24 deg. C / 46 % RH  
Kazuya Noda  
Tx, Ant 0 + Ant 2

September 29, 2023  
24 deg. C / 48 % RH  
Yusuke Tanikawara

July 9, 2024  
23 deg. C / 37 % RH  
Kouki Yamada

### 11n-20 (SDM)

| Tested Frequency<br>[MHz] | Conducted power |           |             |                 |                              |                |                           |                | e.i.r.p.  |           |             |                 |                              |                |                           |                |
|---------------------------|-----------------|-----------|-------------|-----------------|------------------------------|----------------|---------------------------|----------------|-----------|-----------|-------------|-----------------|------------------------------|----------------|---------------------------|----------------|
|                           | 0<br>[mW]       | 2<br>[mW] | Sum<br>[mW] | Result<br>[dBm] | FCC 15.407<br>Limit<br>[dBm] | Margin<br>[dB] | RSS-247<br>Limit<br>[dBm] | Margin<br>[dB] | 0<br>[mW] | 2<br>[mW] | Sum<br>[mW] | Result<br>[dBm] | FCC 15.407<br>Limit<br>[dBm] | Margin<br>[dB] | RSS-247<br>Limit<br>[dBm] | Margin<br>[dB] |
| 5180                      | 5.92            | 6.05      | 11.97       | 10.78           | 23.97                        | 13.19          | -                         | -              | 6.95      | 15.45     | 22.40       | 13.50           | 29.97                        | 16.47          | 22.46                     | 8.96           |
| 5220                      | 6.50            | 6.37      | 12.87       | 11.10           | 23.97                        | 12.87          | -                         | -              | 7.64      | 16.26     | 23.89       | 13.78           | 29.97                        | 16.19          | 22.46                     | 8.68           |
| 5240                      | 6.30            | 6.15      | 12.45       | 10.95           | 23.97                        | 13.02          | -                         | -              | 7.40      | 15.70     | 23.10       | 13.64           | 29.97                        | 16.33          | 22.46                     | 8.82           |
| 5260                      | 6.21            | 6.05      | 12.27       | 10.89           | 23.97                        | 13.08          | 23.46                     | 12.57          | 7.30      | 15.45     | 22.75       | 13.57           | 29.97                        | 16.40          | 29.46                     | 15.89          |
| 5300                      | 6.58            | 5.77      | 12.35       | 10.92           | 23.97                        | 13.05          | 23.46                     | 12.54          | 7.73      | 14.72     | 22.46       | 13.51           | 29.97                        | 16.46          | 29.46                     | 15.95          |
| 5320                      | 6.63            | 5.92      | 12.54       | 10.98           | 23.97                        | 12.99          | 23.46                     | 12.48          | 7.79      | 15.10     | 22.89       | 13.60           | 29.97                        | 16.37          | 29.46                     | 15.86          |
| 5500                      | 5.85            | 5.94      | 11.79       | 10.72           | 23.97                        | 13.25          | 23.46                     | 12.74          | 6.87      | 15.17     | 22.04       | 13.43           | 29.97                        | 16.54          | 29.46                     | 16.03          |
| 5580                      | 5.89            | 6.11      | 12.00       | 10.79           | 23.97                        | 13.18          | 23.46                     | 12.67          | 6.92      | 15.60     | 22.51       | 13.52           | 29.97                        | 16.45          | 29.46                     | 15.94          |
| 5700                      | 5.87            | 5.70      | 11.58       | 10.64           | 23.97                        | 13.33          | 23.46                     | 12.82          | 6.90      | 14.55     | 21.46       | 13.32           | 29.97                        | 16.65          | 29.46                     | 16.14          |
| 5745                      | 4.29            | 4.68      | 8.96        | 9.52            | 30.00                        | 20.48          | 30.00                     | 20.48          | 5.04      | 11.94     | 16.97       | 12.30           | 36.00                        | 23.70          | 36.00                     | 23.70          |
| 5785                      | 4.31            | 4.69      | 8.99        | 9.54            | 30.00                        | 20.46          | 30.00                     | 20.46          | 5.06      | 11.97     | 17.03       | 12.31           | 36.00                        | 23.69          | 36.00                     | 23.69          |
| 5825                      | 4.06            | 4.86      | 8.93        | 9.51            | 30.00                        | 20.49          | 30.00                     | 20.49          | 4.78      | 12.42     | 17.19       | 12.35           | 36.00                        | 23.65          | 36.00                     | 23.65          |

| Ant 0            |             |             |            |             |              |             | Ant 2    |             |            |             |              |             |          |
|------------------|-------------|-------------|------------|-------------|--------------|-------------|----------|-------------|------------|-------------|--------------|-------------|----------|
| Tested Frequency | Duty Factor | Power Meter | Cable Loss | Atten. Loss | Antenna Gain | Result      |          | Power Meter | Cable Loss | Atten. Loss | Antenna Gain | Result      |          |
|                  |             | Reading     |            |             |              | Cond.       | e.i.r.p. | Reading     |            |             |              | Cond.       | e.i.r.p. |
| [MHz]            | [dB]        | [dBm]       | [dB]       | [dB]        | [dBi]        | Power [dBm] | [dBm]    | [dBm]       | [dB]       | [dB]        | [dBi]        | Power [dBm] | [dBm]    |
| 5180             | 0.20        | -5.43       | 2.95       | 10.00       | 0.70         | 7.72        | 8.42     | -5.33       | 2.95       | 10.00       | 4.07         | 7.82        | 11.89    |
| 5220             | 0.20        | -5.02       | 2.95       | 10.00       | 0.70         | 8.13        | 8.83     | -5.11       | 2.95       | 10.00       | 4.07         | 8.04        | 12.11    |
| 5240             | 0.20        | -5.16       | 2.95       | 10.00       | 0.70         | 7.99        | 8.69     | -5.26       | 2.95       | 10.00       | 4.07         | 7.89        | 11.96    |
| 5260             | 0.20        | -5.23       | 2.95       | 10.01       | 0.70         | 7.93        | 8.63     | -5.34       | 2.96       | 10.00       | 4.07         | 7.82        | 11.89    |
| 5300             | 0.20        | -4.99       | 2.96       | 10.01       | 0.70         | 8.18        | 8.88     | -5.55       | 2.96       | 10.00       | 4.07         | 7.61        | 11.68    |
| 5320             | 0.20        | -4.96       | 2.96       | 10.01       | 0.70         | 8.21        | 8.91     | -5.44       | 2.96       | 10.00       | 4.07         | 7.72        | 11.79    |
| 5500             | 0.20        | -5.52       | 2.98       | 10.01       | 0.70         | 7.67        | 8.37     | -5.45       | 2.98       | 10.01       | 4.07         | 7.74        | 11.81    |
| 5580             | 0.20        | -5.49       | 2.98       | 10.01       | 0.70         | 7.70        | 8.40     | -5.33       | 2.98       | 10.01       | 4.07         | 7.86        | 11.93    |
| 5700             | 0.20        | -5.51       | 2.99       | 10.01       | 0.70         | 7.69        | 8.39     | -5.64       | 2.99       | 10.01       | 4.07         | 7.56        | 11.63    |
| 5745             | 0.20        | -6.89       | 3.00       | 10.01       | 0.70         | 6.32        | 7.02     | -6.52       | 3.00       | 10.02       | 4.07         | 6.70        | 10.77    |
| 5785             | 0.20        | -6.87       | 3.00       | 10.01       | 0.70         | 6.34        | 7.04     | -6.51       | 3.00       | 10.02       | 4.07         | 6.71        | 10.78    |
| 5825             | 0.20        | -7.12       | 3.00       | 10.01       | 0.70         | 6.09        | 6.79     | -6.35       | 3.00       | 10.02       | 4.07         | 6.87        | 10.94    |

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor  
e.i.r.p. Result = Conducted Power Result + Antenna Gain

15.407 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

For all test frequencies, B was applied the minimum value (23.719 MHz) as conservative limit.

RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

e.i.r.p. Limit (5150-5250MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250-5350MHz, 5470-5600MHz, 5650-5725MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (17.635 MHz) as conservative limit.

| Antenna : Ant 0 |       |                     |               |                |                |                  | Antenna : Ant 2     |               |                |                |                  |        |         |
|-----------------|-------|---------------------|---------------|----------------|----------------|------------------|---------------------|---------------|----------------|----------------|------------------|--------|---------|
| Mode            | Freq. | P/M (AV)<br>Reading | Cable<br>Loss | Atten.<br>Loss | Duty<br>factor | 1 port<br>Result | P/M (AV)<br>Reading | Cable<br>Loss | Atten.<br>Loss | Duty<br>factor | 1 port<br>Result | Result | Remarks |
| (MCS)           | [MHz] | [dBm]               | [dB]          | [dB]           | [dB]           | [dBm]            | [dBm]               | [dB]          | [dB]           | [dB]           | [dBm]            | [dBm]  |         |
| 8 (2ss)         | 5180  | -5.43               | 2.95          | 10.00          | 0.20           | 7.72             | -5.33               | 2.95          | 10.00          | 0.20           | 7.82             | 10.78  | Worst   |
| 9 (2ss)         | 5180  | -5.60               | 2.95          | 10.00          | 0.38           | 7.73             | -5.57               | 2.95          | 10.00          | 0.38           | 7.76             | 10.76  |         |
| 10 (2ss)        | 5180  | -5.81               | 2.95          | 10.00          | 0.52           | 7.66             | -5.71               | 2.95          | 10.00          | 0.52           | 7.76             | 10.72  |         |
| 11 (2ss)        | 5180  | -5.95               | 2.95          | 10.00          | 0.65           | 7.65             | -5.73               | 2.95          | 10.00          | 0.65           | 7.87             | 10.77  |         |
| 12 (2ss)        | 5180  | -6.20               | 2.95          | 10.00          | 0.85           | 7.60             | -6.14               | 2.95          | 10.00          | 0.85           | 7.66             | 10.64  |         |
| 13 (2ss)        | 5180  | -6.43               | 2.95          | 10.00          | 1.02           | 7.54             | -6.39               | 2.95          | 10.00          | 1.02           | 7.58             | 10.57  |         |
| 14 (2ss)        | 5180  | -6.42               | 2.95          | 10.00          | 1.07           | 7.60             | -6.41               | 2.95          | 10.00          | 1.07           | 7.61             | 10.62  |         |
| 15 (2ss)        | 5180  | -6.57               | 2.95          | 10.00          | 1.15           | 7.53             | -6.49               | 2.95          | 10.00          | 1.15           | 7.61             | 10.58  |         |

Sample Calculation:

1port Result = Reading + Cable Loss + Atten. Loss + Duty factor

Result = (Ant 0) 1 port Result + (Ant 2) 1 port Result

\* 2ss: 2 spatial stream

## Maximum Conducted Output Power

Test place Shonan EMC Lab. No.1 Measurement Room  
Date September 29, 2023 September 29, 2023 July 9, 2024  
Temperature / Humidity 24 deg. C / 46 % RH 24 deg. C / 48 % RH 23 deg. C / 37 % RH  
Engineer Kazuya Noda Yusuke Tanikawara Kouki Yamada  
Mode Tx, Ant 0 + Ant 2

### 11ac-20 (SDM)

| Tested Frequency<br>[MHz] | Conducted power |           |             |                 |                              |                |                           |                | e.i.r.p.  |           |             |                 |                              |                |                           |                |
|---------------------------|-----------------|-----------|-------------|-----------------|------------------------------|----------------|---------------------------|----------------|-----------|-----------|-------------|-----------------|------------------------------|----------------|---------------------------|----------------|
|                           | 0<br>[mW]       | 2<br>[mW] | Sum<br>[mW] | Result<br>[dBm] | FCC 15.407<br>Limit<br>[dBm] | Margin<br>[dB] | RSS-247<br>Limit<br>[dBm] | Margin<br>[dB] | 0<br>[mW] | 2<br>[mW] | Sum<br>[mW] | Result<br>[dBm] | FCC 15.407<br>Limit<br>[dBm] | Margin<br>[dB] | RSS-247<br>Limit<br>[dBm] | Margin<br>[dB] |
| 5180                      | 5.87            | 6.15      | 12.03       | 10.80           | 23.97                        | 13.17          | -                         | -              | 6.90      | 15.70     | 22.61       | 13.54           | 29.97                        | 16.43          | 22.48                     | 8.94           |
| 5220                      | 6.40            | 6.49      | 12.88       | 11.10           | 23.97                        | 12.87          | -                         | -              | 7.52      | 16.56     | 24.07       | 13.82           | 29.97                        | 16.15          | 22.48                     | 8.66           |
| 5240                      | 6.21            | 6.27      | 12.47       | 10.96           | 23.97                        | 13.01          | -                         | -              | 7.29      | 16.00     | 23.29       | 13.67           | 29.97                        | 16.30          | 22.48                     | 8.81           |
| 5260                      | 6.26            | 6.22      | 12.48       | 10.96           | 23.97                        | 13.01          | 23.48                     | 12.52          | 7.35      | 15.89     | 23.24       | 13.66           | 29.97                        | 16.31          | 29.48                     | 15.82          |
| 5300                      | 6.52            | 5.96      | 12.48       | 10.96           | 23.97                        | 13.01          | 23.48                     | 12.52          | 7.66      | 15.21     | 22.87       | 13.59           | 29.97                        | 16.38          | 29.48                     | 15.89          |
| 5320                      | 6.55            | 6.00      | 12.55       | 10.99           | 23.97                        | 12.98          | 23.48                     | 12.49          | 7.70      | 15.31     | 23.01       | 13.62           | 29.97                        | 16.35          | 29.48                     | 15.86          |
| 5500                      | 5.68            | 6.04      | 11.71       | 10.69           | 23.97                        | 13.28          | 23.48                     | 12.79          | 6.67      | 15.42     | 22.09       | 13.44           | 29.97                        | 16.53          | 29.48                     | 16.04          |
| 5580                      | 5.96            | 6.30      | 12.25       | 10.88           | 23.97                        | 13.09          | 23.48                     | 12.60          | 7.00      | 16.07     | 23.07       | 13.63           | 29.97                        | 16.34          | 29.48                     | 15.85          |
| 5700                      | 5.92            | 6.04      | 11.96       | 10.78           | 23.97                        | 13.19          | 23.48                     | 12.70          | 6.95      | 15.42     | 22.37       | 13.50           | 29.97                        | 16.47          | 29.48                     | 15.98          |
| 5745                      | 4.22            | 4.82      | 9.04        | 9.56            | 30.00                        | 20.44          | 30.00                     | 20.44          | 4.95      | 12.30     | 17.26       | 12.37           | 36.00                        | 23.63          | 36.00                     | 23.63          |
| 5785                      | 4.35            | 4.61      | 8.96        | 9.52            | 30.00                        | 20.48          | 30.00                     | 20.48          | 5.11      | 11.78     | 16.88       | 12.27           | 36.00                        | 23.73          | 36.00                     | 23.73          |
| 5825                      | 4.11            | 4.88      | 8.99        | 9.54            | 30.00                        | 20.46          | 30.00                     | 20.46          | 4.83      | 12.45     | 17.28       | 12.37           | 36.00                        | 23.63          | 36.00                     | 23.63          |

| Ant 0            |             |                     |            |             |              |                   |                |                     |            |             |              |                   |                | Ant 2               |            |             |              |  |  |  |  |  |  |  |  |  |  |
|------------------|-------------|---------------------|------------|-------------|--------------|-------------------|----------------|---------------------|------------|-------------|--------------|-------------------|----------------|---------------------|------------|-------------|--------------|--|--|--|--|--|--|--|--|--|--|
| Tested Frequency | Duty Factor | Power Meter Reading | Cable Loss | Atten. Loss | Antenna Gain | Result            |                | Power Meter Reading | Cable Loss | Atten. Loss | Antenna Gain | Result            |                | Power Meter Reading | Cable Loss | Atten. Loss | Antenna Gain |  |  |  |  |  |  |  |  |  |  |
| [MHz]            | [dB]        | [dBm]               | [dB]       | [dB]        | [dBi]        | Cond. Power [dBm] | e.i.r.p. [dBm] | [dBm]               | [dB]       | [dB]        | [dBi]        | Cond. Power [dBm] | e.i.r.p. [dBm] | [dBm]               | [dB]       | [dB]        | [dBi]        |  |  |  |  |  |  |  |  |  |  |
| 5180             | 0.64        | -5.90               | 2.95       | 10.00       | 0.70         | 7.69              | 8.39           | -5.70               | 2.95       | 10.00       | 4.07         | 7.89              | 11.96          |                     |            |             |              |  |  |  |  |  |  |  |  |  |  |
| 5220             | 0.64        | -5.53               | 2.95       | 10.00       | 0.70         | 8.06              | 8.76           | -5.47               | 2.95       | 10.00       | 4.07         | 8.12              | 12.19          |                     |            |             |              |  |  |  |  |  |  |  |  |  |  |
| 5240             | 0.64        | -5.66               | 2.95       | 10.00       | 0.70         | 7.93              | 8.63           | -5.62               | 2.95       | 10.00       | 4.07         | 7.97              | 12.04          |                     |            |             |              |  |  |  |  |  |  |  |  |  |  |
| 5260             | 0.64        | -5.64               | 2.95       | 10.01       | 0.70         | 7.96              | 8.66           | -5.66               | 2.96       | 10.00       | 4.07         | 7.94              | 12.01          |                     |            |             |              |  |  |  |  |  |  |  |  |  |  |
| 5300             | 0.64        | -5.47               | 2.96       | 10.01       | 0.70         | 8.14              | 8.84           | -5.85               | 2.96       | 10.00       | 4.07         | 7.75              | 11.82          |                     |            |             |              |  |  |  |  |  |  |  |  |  |  |
| 5320             | 0.64        | -5.45               | 2.96       | 10.01       | 0.70         | 8.16              | 8.86           | -5.82               | 2.96       | 10.00       | 4.07         | 7.78              | 11.85          |                     |            |             |              |  |  |  |  |  |  |  |  |  |  |
| 5500             | 0.64        | -6.09               | 2.98       | 10.01       | 0.70         | 7.54              | 8.24           | -5.82               | 2.98       | 10.01       | 4.07         | 7.81              | 11.88          |                     |            |             |              |  |  |  |  |  |  |  |  |  |  |
| 5580             | 0.64        | -5.88               | 2.98       | 10.01       | 0.70         | 7.75              | 8.45           | -5.64               | 2.98       | 10.01       | 4.07         | 7.99              | 12.06          |                     |            |             |              |  |  |  |  |  |  |  |  |  |  |
| 5700             | 0.64        | -5.92               | 2.99       | 10.01       | 0.70         | 7.72              | 8.42           | -5.83               | 2.99       | 10.01       | 4.07         | 7.81              | 11.88          |                     |            |             |              |  |  |  |  |  |  |  |  |  |  |
| 5745             | 0.64        | -7.40               | 3.00       | 10.01       | 0.70         | 6.25              | 6.95           | -6.83               | 3.00       | 10.02       | 4.07         | 6.83              | 10.90          |                     |            |             |              |  |  |  |  |  |  |  |  |  |  |
| 5785             | 0.64        | -7.27               | 3.00       | 10.01       | 0.70         | 6.38              | 7.08           | -7.02               | 3.00       | 10.02       | 4.07         | 6.64              | 10.71          |                     |            |             |              |  |  |  |  |  |  |  |  |  |  |
| 5825             | 0.64        | -7.51               | 3.00       | 10.01       | 0.70         | 6.14              | 6.84           | -6.78               | 3.00       | 10.02       | 4.07         | 6.88              | 10.95          |                     |            |             |              |  |  |  |  |  |  |  |  |  |  |

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor  
e.i.r.p. Result = Conducted Power Result + Antenna Gain

15.407 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

For all test frequencies, B was applied the minimum value (23.083 MHz) as conservative limit.

RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

e.i.r.p. Limit (5150-5250MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250-5350MHz, 5470-5600MHz, 5650-5725MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (17.737 MHz) as conservative limit.

Antenna : Ant 0

Antenna : Ant 2

| Mode    | Freq. | P/M(AV)<br>Reading<br>[dBm] | Cable<br>Loss<br>[dB] | Atten.<br>Loss<br>[dB] | Duty<br>factor<br>[dB] | 1 port<br>Result<br>[dBm] | P/M(AV)<br>Reading<br>[dBm] | Cable<br>Loss<br>[dB] | Atten.<br>Loss<br>[dB] | Duty<br>factor<br>[dB] | 1 port<br>Result<br>[dBm] | Result<br>[dBm] | Remarks |
|---------|-------|-----------------------------|-----------------------|------------------------|------------------------|---------------------------|-----------------------------|-----------------------|------------------------|------------------------|---------------------------|-----------------|---------|
| (MCS)   | [MHz] | [dBm]                       | [dB]                  | [dB]                   | [dB]                   | [dBm]                     | [dBm]                       | [dB]                  | [dB]                   | [dB]                   | [dBm]                     | [dBm]           |         |
| 0 (2ss) | 5180  | -5.41                       | 2.95                  | 10.00                  | 0.19                   | 7.73                      | -5.33                       | 2.95                  | 10.00                  | 0.19                   | 7.81                      | 10.78           | Worst   |
| 1 (2ss) | 5180  | -5.62                       | 2.95                  | 10.00                  | 0.36                   | 7.69                      | -5.55                       | 2.95                  | 10.00                  | 0.36                   | 7.76                      | 10.74           |         |
| 2 (2ss) | 5180  | -5.81                       | 2.95                  | 10.00                  | 0.51                   | 7.65                      | -5.70                       | 2.95                  | 10.00                  | 0.51                   | 7.76                      | 10.72           |         |
| 3 (2ss) | 5180  | -5.90                       | 2.95                  | 10.00                  | 0.64                   | 7.69                      | -5.70                       | 2.95                  | 10.00                  | 0.64                   | 7.89                      | 10.80           |         |
| 4 (2ss) | 5180  | -6.16                       | 2.95                  | 10.00                  | 0.83                   | 7.62                      | -6.10                       | 2.95                  | 10.00                  | 0.83                   | 7.68                      | 10.66           |         |
| 5 (2ss) | 5180  | -6.39                       | 2.95                  | 10.00                  | 0.98                   | 7.54                      | -6.31                       | 2.95                  | 10.00                  | 0.98                   | 7.62                      | 10.59           |         |
| 6 (2ss) | 5180  | -6.46                       | 2.95                  | 10.00                  | 1.04                   | 7.53                      | -6.38                       | 2.95                  | 10.00                  | 1.04                   | 7.61                      | 10.58           |         |
| 7 (2ss) | 5180  | -6.49                       | 2.95                  | 10.00                  | 1.11                   | 7.57                      | -6.42                       | 2.95                  | 10.00                  | 1.11                   | 7.64                      | 10.62           |         |
| 8 (2ss) | 5180  | -6.57                       | 2.95                  | 10.00                  | 1.18                   | 7.56                      | -6.53                       | 2.95                  | 10.00                  | 1.18                   | 7.60                      | 10.59           |         |

Sample Calculation:

1port Result = Reading + Cable Loss + Atten. Loss + Duty factor

Result = (Ant 0) 1 port Result + (Ant 2) 1 port Result

\* 2ss: 2 spatial stream

## Maximum Conducted Output Power

Test place  
Date  
Temperature / Humidity  
Engineer  
Mode

Shonan EMC Lab. No.1 Measurement Room  
November 8, 2023 February 2, 2024  
24 deg. C / 40 % RH 22 deg. C / 37 % RH  
Kazuya Noda Kazuya Noda  
Tx, Ant 0 + Ant 2

### 11ax-20 (SDM)

| Tested Frequency<br>[MHz] | Conducted power |               |             |                 |                           |                |                        |                | e.i.r.p.      |               |             |                 |                           |                |                        |                |
|---------------------------|-----------------|---------------|-------------|-----------------|---------------------------|----------------|------------------------|----------------|---------------|---------------|-------------|-----------------|---------------------------|----------------|------------------------|----------------|
|                           | Ant 0<br>[mW]   | Ant 2<br>[mW] | Sum<br>[mW] | Result<br>[dBm] | FCC 15.407<br>Limit [dBm] | Margin<br>[dB] | RSS-247<br>Limit [dBm] | Margin<br>[dB] | Ant 0<br>[mW] | Ant 2<br>[mW] | Sum<br>[mW] | Result<br>[dBm] | FCC 15.407<br>Limit [dBm] | Margin<br>[dB] | RSS-247<br>Limit [dBm] | Margin<br>[dB] |
| 5180                      | 6.85            | 6.88          | 13.73       | 11.38           | 23.97                     | 12.59          | -                      | -              | 8.05          | 17.56         | 25.61       | 14.08           | 29.97                     | 15.89          | 22.77                  | 8.69           |
| 5220                      | 6.35            | 6.38          | 12.73       | 11.05           | 23.97                     | 12.92          | -                      | -              | 7.46          | 16.28         | 23.74       | 13.75           | 29.97                     | 16.22          | 22.77                  | 9.02           |
| 5240                      | 7.02            | 6.57          | 13.60       | 11.33           | 23.97                     | 12.64          | -                      | -              | 8.25          | 16.77         | 25.03       | 13.98           | 29.97                     | 15.99          | 22.77                  | 8.79           |
| 5260                      | 6.20            | 6.41          | 12.61       | 11.01           | 23.97                     | 12.96          | 23.77                  | 12.76          | 7.29          | 16.35         | 23.64       | 13.74           | 29.97                     | 16.23          | 29.77                  | 16.03          |
| 5300                      | 6.48            | 6.12          | 12.60       | 11.00           | 23.97                     | 12.97          | 23.77                  | 12.77          | 7.61          | 15.62         | 23.23       | 13.66           | 29.97                     | 16.31          | 29.77                  | 16.11          |
| 5320                      | 7.04            | 6.26          | 13.30       | 11.24           | 23.97                     | 12.73          | 23.77                  | 12.53          | 8.27          | 15.98         | 24.26       | 13.85           | 29.97                     | 16.12          | 29.77                  | 15.92          |
| 5500                      | 6.62            | 6.98          | 13.59       | 11.33           | 23.97                     | 12.64          | 23.77                  | 12.44          | 7.77          | 17.81         | 25.58       | 14.08           | 29.97                     | 15.89          | 29.77                  | 15.69          |
| 5580                      | 6.09            | 6.60          | 12.69       | 11.04           | 23.97                     | 12.93          | 23.77                  | 12.73          | 7.16          | 16.85         | 24.01       | 13.80           | 29.97                     | 16.17          | 29.77                  | 15.97          |
| 5700                      | 6.06            | 5.95          | 12.01       | 10.80           | 23.97                     | 13.17          | 23.77                  | 12.97          | 7.12          | 15.19         | 22.32       | 13.49           | 29.97                     | 16.48          | 29.77                  | 16.28          |
| 5745                      | 4.96            | 4.36          | 9.32        | 9.70            | 30.00                     | 20.30          | 30.00                  | 20.30          | 5.83          | 11.13         | 16.96       | 12.30           | 36.00                     | 23.70          | 36.00                  | 23.70          |
| 5785                      | 4.82            | 5.00          | 9.81        | 9.92            | 30.00                     | 20.08          | 30.00                  | 20.08          | 5.66          | 12.75         | 18.41       | 12.65           | 36.00                     | 23.35          | 36.00                  | 23.35          |
| 5825                      | 4.26            | 4.70          | 8.96        | 9.52            | 30.00                     | 20.48          | 30.00                  | 20.48          | 5.01          | 11.99         | 16.99       | 12.30           | 36.00                     | 23.70          | 36.00                  | 23.70          |

| Ant 0            |             |                     |            |             |              | Ant 2       |          |                     |            |             |              |             |          |
|------------------|-------------|---------------------|------------|-------------|--------------|-------------|----------|---------------------|------------|-------------|--------------|-------------|----------|
| Tested Frequency | Duty Factor | Power Meter Reading | Cable Loss | Atten. Loss | Antenna Gain | Result      |          | Power Meter Reading | Cable Loss | Atten. Loss | Antenna Gain | Result      |          |
|                  |             |                     |            |             |              | Cond. Power | e.i.r.p. |                     |            |             |              | Cond. Power | e.i.r.p. |
| [MHz]            | [dB]        | [dBm]               | [dB]       | [dB]        | [dBi]        | [dBm]       | [dBm]    | [dBm]               | [dB]       | [dB]        | [dBi]        | [dBm]       | [dBm]    |
| 5180             | 1.42        | -6.02               | 2.95       | 10.01       | 0.70         | 8.36        | 9.06     | -5.99               | 2.95       | 10.00       | 4.07         | 8.38        | 12.45    |
| 5220             | 1.42        | -6.35               | 2.95       | 10.01       | 0.70         | 8.03        | 8.73     | -6.32               | 2.95       | 10.00       | 4.07         | 8.05        | 12.12    |
| 5240             | 1.42        | -5.91               | 2.95       | 10.01       | 0.70         | 8.47        | 9.17     | -6.19               | 2.95       | 10.00       | 4.07         | 8.18        | 12.25    |
| 5260             | 1.42        | -6.45               | 2.95       | 10.01       | 0.70         | 7.93        | 8.63     | -6.31               | 2.96       | 10.00       | 4.07         | 8.07        | 12.14    |
| 5300             | 1.42        | -6.27               | 2.96       | 10.01       | 0.70         | 8.12        | 8.82     | -6.51               | 2.96       | 10.00       | 4.07         | 7.87        | 11.94    |
| 5320             | 1.42        | -5.91               | 2.96       | 10.01       | 0.70         | 8.48        | 9.18     | -6.41               | 2.96       | 10.00       | 4.07         | 7.97        | 12.04    |
| 5500             | 1.42        | -6.20               | 2.98       | 10.01       | 0.70         | 8.21        | 8.91     | -5.97               | 2.98       | 10.01       | 4.07         | 8.44        | 12.51    |
| 5580             | 1.42        | -6.56               | 2.98       | 10.01       | 0.70         | 7.85        | 8.55     | -6.21               | 2.98       | 10.01       | 4.07         | 8.20        | 12.27    |
| 5700             | 1.42        | -6.59               | 2.99       | 10.01       | 0.70         | 7.83        | 8.53     | -6.67               | 2.99       | 10.01       | 4.07         | 7.75        | 11.82    |
| 5745             | 1.42        | -7.47               | 3.00       | 10.01       | 0.70         | 6.96        | 7.66     | -8.04               | 3.00       | 10.02       | 4.07         | 6.40        | 10.47    |
| 5785             | 1.42        | -7.60               | 3.00       | 10.01       | 0.70         | 6.83        | 7.53     | -7.45               | 3.00       | 10.02       | 4.07         | 6.99        | 11.06    |
| 5825             | 1.42        | -8.13               | 3.00       | 10.01       | 0.70         | 6.30        | 7.00     | -7.72               | 3.00       | 10.02       | 4.07         | 6.72        | 10.79    |

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor  
e.i.r.p. Result = Conducted Power Result + Antenna Gain

15.407 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

For all test frequencies, B was applied the minimum value (29.900 MHz) as conservative limit.

RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

e.i.r.p. Limit (5150-5250MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250-5350MHz, 5470-5600MHz, 5650-5725MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (18.950 MHz) as conservative limit.

Antenna : Ant 0

Antenna : Ant 2

| Mode     | Freq. | P/M(AV) Reading<br>[dBm] | Cable Loss<br>[dB] | Atten. Loss<br>[dB] | Duty factor<br>[dB] | 1 port Result<br>[dBm] | P/M(AV) Reading<br>[dBm] | Cable Loss<br>[dB] | Atten. Loss<br>[dB] | Duty factor<br>[dB] | 1 port Result<br>[dBm] | Result<br>[dBm] | Remarks |
|----------|-------|--------------------------|--------------------|---------------------|---------------------|------------------------|--------------------------|--------------------|---------------------|---------------------|------------------------|-----------------|---------|
| (MCS)    | [MHz] | [dBm]                    | [dB]               | [dB]                | [dB]                | [dBm]                  | [dBm]                    | [dB]               | [dB]                | [dB]                | [dBm]                  | [dBm]           |         |
| 0 (2ss)  | 5180  | -5.36                    | 2.95               | 10.01               | 0.27                | 7.87                   | -5.20                    | 2.95               | 10.00               | 0.27                | 8.02                   | 10.96           |         |
| 1 (2ss)  | 5180  | -5.59                    | 2.95               | 10.01               | 0.44                | 7.81                   | -5.48                    | 2.95               | 10.00               | 0.44                | 7.91                   | 10.88           |         |
| 2 (2ss)  | 5180  | -5.69                    | 2.95               | 10.01               | 0.58                | 7.85                   | -5.63                    | 2.95               | 10.00               | 0.58                | 7.90                   | 10.88           |         |
| 3 (2ss)  | 5180  | -5.84                    | 2.95               | 10.01               | 0.71                | 7.83                   | -5.73                    | 2.95               | 10.00               | 0.71                | 7.93                   | 10.89           |         |
| 4 (2ss)  | 5180  | -6.00                    | 2.95               | 10.01               | 0.89                | 7.85                   | -5.96                    | 2.95               | 10.00               | 0.89                | 7.88                   | 10.87           |         |
| 5 (2ss)  | 5180  | -6.25                    | 2.95               | 10.01               | 1.03                | 7.74                   | -6.12                    | 2.95               | 10.00               | 1.03                | 7.86                   | 10.81           |         |
| 6 (2ss)  | 5180  | -6.28                    | 2.95               | 10.01               | 1.10                | 7.78                   | -6.16                    | 2.95               | 10.00               | 1.10                | 7.89                   | 10.84           |         |
| 7 (2ss)  | 5180  | -6.33                    | 2.95               | 10.01               | 1.13                | 7.76                   | -6.22                    | 2.95               | 10.00               | 1.13                | 7.86                   | 10.82           |         |
| 8 (2ss)  | 5180  | -6.38                    | 2.95               | 10.01               | 1.19                | 7.77                   | -6.27                    | 2.95               | 10.00               | 1.19                | 7.87                   | 10.83           |         |
| 9 (2ss)  | 5180  | -6.37                    | 2.95               | 10.01               | 1.21                | 7.80                   | -6.25                    | 2.95               | 10.00               | 1.21                | 7.91                   | 10.86           |         |
| 10 (2ss) | 5180  | -5.87                    | 2.95               | 10.01               | 1.26                | 8.35                   | -5.85                    | 2.95               | 10.00               | 1.26                | 8.36                   | 11.36           |         |
| 11 (2ss) | 5180  | -6.02                    | 2.95               | 10.01               | 1.42                | 8.36                   | -5.99                    | 2.95               | 10.00               | 1.42                | 8.38                   | 11.38           | Worst   |

Sample Calculation:

1port Result = Reading + Cable Loss + Atten. Loss + Duty factor

Result = (Ant 0) 1 port Result + (Ant 2) 1 port Result

\* 2ss: 2 spatial stream

## Maximum Conducted Output Power

Test place Shonan EMC Lab. No.1 Measurement Room  
Date September 29, 2023 September 29, 2023 July 9, 2024  
Temperature / Humidity 24 deg. C / 46 % RH 24 deg. C / 48 % RH 23 deg. C / 37 % RH  
Engineer Kazuya Noda Yusuke Tanikawara Kouki Yamada  
Mode Tx, Ant 0 + Ant 2

### 11n-40 (SDM)

| Tested Frequency<br>[MHz] | Conducted power |           |             |                 |                |                |                |                | e.i.r.p.  |           |             |                 |                |                |                |                |
|---------------------------|-----------------|-----------|-------------|-----------------|----------------|----------------|----------------|----------------|-----------|-----------|-------------|-----------------|----------------|----------------|----------------|----------------|
|                           | Ant             |           |             | Result<br>[dBm] | FCC 15.407     |                | RSS-247        |                | Ant       |           |             | Result<br>[dBm] | FCC 15.407     |                | RSS-247        |                |
|                           | 0<br>[mW]       | 2<br>[mW] | Sum<br>[mW] |                 | Limit<br>[dBm] | Margin<br>[dB] | Limit<br>[dBm] | Margin<br>[dB] | 0<br>[mW] | 2<br>[mW] | Sum<br>[mW] |                 | Limit<br>[dBm] | Margin<br>[dB] | Limit<br>[dBm] | Margin<br>[dB] |
| 5190                      | 5.53            | 6.27      | 11.80       | 10.72           | 23.97          | 13.25          | -              | -              | 6.50      | 16.00     | 22.50       | 13.52           | 29.97          | 16.45          | 23.01          | 9.49           |
| 5230                      | 5.97            | 6.58      | 12.55       | 10.99           | 23.97          | 12.98          | -              | -              | 7.01      | 16.79     | 23.80       | 13.77           | 29.97          | 16.20          | 23.01          | 9.24           |
| 5270                      | 5.73            | 6.44      | 12.17       | 10.85           | 23.97          | 13.12          | 23.97          | 13.12          | 6.74      | 16.44     | 23.18       | 13.65           | 29.97          | 16.32          | 30.00          | 16.35          |
| 5310                      | 6.14            | 6.07      | 12.21       | 10.87           | 23.97          | 13.10          | 23.97          | 13.10          | 7.22      | 15.49     | 22.71       | 13.56           | 29.97          | 16.41          | 30.00          | 16.44          |
| 5510                      | 5.32            | 6.22      | 11.54       | 10.62           | 23.97          | 13.35          | 23.97          | 13.35          | 6.25      | 15.89     | 22.14       | 13.45           | 29.97          | 16.52          | 30.00          | 16.55          |
| 5550                      | 5.52            | 5.97      | 11.49       | 10.60           | 23.97          | 13.37          | 23.97          | 13.37          | 6.49      | 15.24     | 21.73       | 13.37           | 29.97          | 16.60          | 30.00          | 16.63          |
| 5670                      | 5.58            | 6.11      | 11.69       | 10.68           | 23.97          | 13.29          | 23.97          | 13.29          | 6.56      | 15.60     | 22.16       | 13.46           | 29.97          | 16.51          | 30.00          | 16.54          |
| 5755                      | 4.11            | 4.82      | 8.93        | 9.51            | 30.00          | 20.49          | 30.00          | 20.49          | 4.83      | 12.30     | 17.13       | 12.34           | 36.00          | 23.66          | 36.00          | 23.66          |
| 5795                      | 4.07            | 4.85      | 8.93        | 9.51            | 30.00          | 20.49          | 30.00          | 20.49          | 4.79      | 12.39     | 17.17       | 12.35           | 36.00          | 23.65          | 36.00          | 23.65          |

| Tested Frequency<br>[MHz] | Ant 0               |                              |                    |                     |                       |                      |                   | Ant 2               |                              |                    |                     |                       |                      |                   |
|---------------------------|---------------------|------------------------------|--------------------|---------------------|-----------------------|----------------------|-------------------|---------------------|------------------------------|--------------------|---------------------|-----------------------|----------------------|-------------------|
|                           | Duty Factor<br>[dB] | Power Meter Reading<br>[dBm] | Cable Loss<br>[dB] | Atten. Loss<br>[dB] | Antenna Gain<br>[dBi] | Cond. Power<br>[dBm] | e.i.r.p.<br>[dBm] | Duty Factor<br>[dB] | Power Meter Reading<br>[dBm] | Cable Loss<br>[dB] | Atten. Loss<br>[dB] | Antenna Gain<br>[dBi] | Cond. Power<br>[dBm] | e.i.r.p.<br>[dBm] |
| 5190                      | 0.39                | -5.91                        | 2.95               | 10.00               | 0.70                  | 7.43                 | 8.13              | -5.37               | 2.95                         | 10.00              | 4.07                | 7.97                  | 12.04                |                   |
| 5230                      | 0.39                | -5.58                        | 2.95               | 10.00               | 0.70                  | 7.76                 | 8.46              | -5.16               | 2.95                         | 10.00              | 4.07                | 8.18                  | 12.25                |                   |
| 5270                      | 0.39                | -5.77                        | 2.95               | 10.01               | 0.70                  | 7.58                 | 8.28              | -5.26               | 2.96                         | 10.00              | 4.07                | 8.09                  | 12.16                |                   |
| 5310                      | 0.39                | -5.48                        | 2.96               | 10.01               | 0.70                  | 7.88                 | 8.58              | -5.52               | 2.96                         | 10.00              | 4.07                | 7.83                  | 11.90                |                   |
| 5510                      | 0.39                | -6.12                        | 2.98               | 10.01               | 0.70                  | 7.26                 | 7.96              | -5.44               | 2.98                         | 10.01              | 4.07                | 7.94                  | 12.01                |                   |
| 5550                      | 0.39                | -5.96                        | 2.98               | 10.01               | 0.70                  | 7.42                 | 8.12              | -5.62               | 2.98                         | 10.01              | 4.07                | 7.76                  | 11.83                |                   |
| 5670                      | 0.39                | -5.92                        | 2.99               | 10.01               | 0.70                  | 7.47                 | 8.17              | -5.53               | 2.99                         | 10.01              | 4.07                | 7.86                  | 11.93                |                   |
| 5755                      | 0.39                | -7.26                        | 3.00               | 10.01               | 0.70                  | 6.14                 | 6.84              | -6.58               | 3.00                         | 10.02              | 4.07                | 6.83                  | 10.90                |                   |
| 5795                      | 0.39                | -7.30                        | 3.00               | 10.01               | 0.70                  | 6.10                 | 6.80              | -6.55               | 3.00                         | 10.02              | 4.07                | 6.86                  | 10.93                |                   |

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor

e.i.r.p. Result = Conducted Power Result + Antenna Gain

15.407 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

For all test frequencies, B was applied the minimum value (39.458 MHz) as conservative limit.

RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

e.i.r.p. Limit (5150-5250MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250-5350MHz, 5470-5600MHz, 5650-5725MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (35.856 MHz) as conservative limit.

Antenna : Ant 0

Antenna : Ant 2

| Mode     | Freq. | P/M (AV)<br>Reading<br>[dBm] | Cable<br>Loss<br>[dB] | Atten.<br>Loss<br>[dB] | Duty<br>factor<br>[dB] | 1 port<br>Result<br>[dBm] | P/M (AV)<br>Reading<br>[dBm] | Cable<br>Loss<br>[dB] | Atten.<br>Loss<br>[dB] | Duty<br>factor<br>[dB] | 1 port<br>Result<br>[dBm] | Result<br>[dBm] | Remarks |
|----------|-------|------------------------------|-----------------------|------------------------|------------------------|---------------------------|------------------------------|-----------------------|------------------------|------------------------|---------------------------|-----------------|---------|
| (MCS)    | [MHz] |                              |                       |                        |                        |                           |                              |                       |                        |                        |                           |                 |         |
| 8 (2ss)  | 5190  | -5.91                        | 2.95                  | 10.00                  | 0.39                   | 7.43                      | -5.37                        | 2.95                  | 10.00                  | 0.39                   | 7.97                      | 10.72           | Worst   |
| 9 (2ss)  | 5190  | -6.25                        | 2.95                  | 10.00                  | 0.65                   | 7.35                      | -5.65                        | 2.95                  | 10.00                  | 0.65                   | 7.95                      | 10.67           |         |
| 10 (2ss) | 5190  | -6.52                        | 2.95                  | 10.00                  | 0.87                   | 7.30                      | -5.95                        | 2.95                  | 10.00                  | 0.87                   | 7.87                      | 10.60           |         |
| 11 (2ss) | 5190  | -6.81                        | 2.95                  | 10.00                  | 1.02                   | 7.16                      | -6.10                        | 2.95                  | 10.00                  | 1.02                   | 7.87                      | 10.54           |         |
| 12 (2ss) | 5190  | -7.00                        | 2.95                  | 10.00                  | 1.25                   | 7.20                      | -6.43                        | 2.95                  | 10.00                  | 1.25                   | 7.77                      | 10.50           |         |
| 13 (2ss) | 5190  | -7.26                        | 2.95                  | 10.00                  | 1.44                   | 7.13                      | -6.61                        | 2.95                  | 10.00                  | 1.44                   | 7.78                      | 10.48           |         |
| 14 (2ss) | 5190  | -7.28                        | 2.95                  | 10.00                  | 1.50                   | 7.17                      | -6.71                        | 2.95                  | 10.00                  | 1.50                   | 7.74                      | 10.47           |         |
| 15 (2ss) | 5190  | -7.40                        | 2.95                  | 10.00                  | 1.56                   | 7.11                      | -6.79                        | 2.95                  | 10.00                  | 1.56                   | 7.72                      | 10.44           |         |

Sample Calculation:

1port Result = Reading + Cable Loss + Atten. Loss + Duty factor

Result = (Ant 0) 1 port Result + (Ant 2) 1 port Result

\* 2ss: 2 spatial stream

## Maximum Conducted Output Power

Test place Shonan EMC Lab. No.1 Measurement Room  
Date September 29, 2023 September 29, 2023 July 9, 2024  
Temperature / Humidity 24 deg. C / 46 % RH 24 deg. C / 48 % RH 23 deg. C / 37 % RH  
Engineer Kazuya Noda Yusuke Tanikawara Kouki Yamada  
Mode Tx, Ant 0 + Ant 2

### 11ac-40 (SDM)

| Tested Frequency<br>[MHz] | Conducted power |           |              |                 |                |                |                |                | e.i.r.p.  |           |              |                 |                |                |                |                |
|---------------------------|-----------------|-----------|--------------|-----------------|----------------|----------------|----------------|----------------|-----------|-----------|--------------|-----------------|----------------|----------------|----------------|----------------|
|                           | Ant             |           |              | Result<br>[dBm] | FCC 15.407     |                | RSS-247        |                | Ant       |           |              | Result<br>[dBm] | FCC 15.407     |                | RSS-247        |                |
|                           | 0<br>[mW]       | 2<br>[mW] | Sum<br>[mW]  |                 | Limit<br>[dBm] | Margin<br>[dB] | Limit<br>[dBm] | Margin<br>[dB] | 0<br>[mW] | 2<br>[mW] | Sum<br>[mW]  |                 | Limit<br>[dBm] | Margin<br>[dB] | Limit<br>[dBm] | Margin<br>[dB] |
| 5190                      | 5.48            | 6.27      | 11.75        | 10.70           | 23.97          | 13.27          | -              | -              | 6.44      | 16.00     | 22.44        | 13.51           | 29.97          | 16.46          | 23.01          | 9.50           |
| 5230                      | 5.93            | 6.55      | <b>12.48</b> | <b>10.96</b>    | 23.97          | 13.01          | -              | -              | 6.97      | 16.71     | <b>23.68</b> | <b>13.74</b>    | 29.97          | 16.23          | 23.01          | 9.27           |
| 5270                      | 5.75            | 6.50      | <b>12.25</b> | <b>10.88</b>    | 23.97          | 13.09          | 23.97          | 13.09          | 6.75      | 16.60     | <b>23.35</b> | <b>13.68</b>    | 29.97          | 16.29          | 30.00          | 16.32          |
| 5310                      | 6.14            | 6.08      | 12.22        | 10.87           | 23.97          | 13.10          | 23.97          | 13.10          | 7.22      | 15.52     | 22.74        | 13.57           | 29.97          | 16.40          | 30.00          | 16.43          |
| 5510                      | 5.36            | 6.24      | 11.60        | 10.64           | 23.97          | 13.33          | 23.97          | 13.33          | 6.30      | 15.92     | 22.22        | 13.47           | 29.97          | 16.50          | 30.00          | 16.53          |
| 5550                      | 5.62            | 6.00      | 11.62        | 10.65           | 23.97          | 13.32          | 23.97          | 13.32          | 6.61      | 15.31     | 21.92        | 13.41           | 29.97          | 16.56          | 30.00          | 16.59          |
| 5670                      | 5.47            | 6.21      | <b>11.68</b> | <b>10.67</b>    | 23.97          | 13.30          | 23.97          | 13.30          | 6.43      | 15.85     | <b>22.28</b> | <b>13.48</b>    | 29.97          | 16.49          | 30.00          | 16.52          |
| 5755                      | 4.08            | 4.84      | 8.92         | 9.51            | 30.00          | 20.49          | 30.00          | 20.49          | 4.80      | 12.36     | 17.16        | 12.34           | 36.00          | 23.66          | 36.00          | 23.66          |
| 5795                      | 4.02            | 4.98      | <b>9.00</b>  | <b>9.54</b>     | 30.00          | 20.46          | 30.00          | 20.46          | 4.72      | 12.71     | <b>17.43</b> | <b>12.41</b>    | 36.00          | 23.59          | 36.00          | 23.59          |

| Tested Frequency<br>[MHz] | Ant 0               |                              |                    |                     |                       |                      |                   | Ant 2               |                              |                    |                     |                       |                      |                   |
|---------------------------|---------------------|------------------------------|--------------------|---------------------|-----------------------|----------------------|-------------------|---------------------|------------------------------|--------------------|---------------------|-----------------------|----------------------|-------------------|
|                           | Duty Factor<br>[dB] | Power Meter Reading<br>[dBm] | Cable Loss<br>[dB] | Atten. Loss<br>[dB] | Antenna Gain<br>[dBi] | Cond. Power<br>[dBm] | e.i.r.p.<br>[dBm] | Duty Factor<br>[dB] | Power Meter Reading<br>[dBm] | Cable Loss<br>[dB] | Atten. Loss<br>[dB] | Antenna Gain<br>[dBi] | Cond. Power<br>[dBm] | e.i.r.p.<br>[dBm] |
| 5190                      | 0.40                | -5.96                        | 2.95               | 10.00               | 0.70                  | 7.39                 | 8.09              | -5.38               | 2.95                         | 10.00              | 4.07                | 7.97                  | 12.04                |                   |
| 5230                      | 0.40                | -5.62                        | 2.95               | 10.00               | 0.70                  | 7.73                 | 8.43              | -5.19               | 2.95                         | 10.00              | 4.07                | 8.16                  | 12.23                |                   |
| 5270                      | 0.40                | -5.77                        | 2.95               | 10.01               | 0.70                  | 7.59                 | 8.29              | -5.23               | 2.96                         | 10.00              | 4.07                | 8.13                  | 12.20                |                   |
| 5310                      | 0.40                | -5.49                        | 2.96               | 10.01               | 0.70                  | 7.88                 | 8.58              | -5.52               | 2.96                         | 10.00              | 4.07                | 7.84                  | 11.91                |                   |
| 5510                      | 0.40                | -6.10                        | 2.98               | 10.01               | 0.70                  | 7.29                 | 7.99              | -5.44               | 2.98                         | 10.01              | 4.07                | 7.95                  | 12.02                |                   |
| 5550                      | 0.40                | -5.89                        | 2.98               | 10.01               | 0.70                  | 7.50                 | 8.20              | -5.61               | 2.98                         | 10.01              | 4.07                | 7.78                  | 11.85                |                   |
| 5670                      | 0.40                | -6.02                        | 2.99               | 10.01               | 0.70                  | 7.38                 | 8.08              | -5.47               | 2.99                         | 10.01              | 4.07                | 7.93                  | 12.00                |                   |
| 5755                      | 0.40                | -7.30                        | 3.00               | 10.01               | 0.70                  | 6.11                 | 6.81              | -6.57               | 3.00                         | 10.02              | 4.07                | 6.85                  | 10.92                |                   |
| 5795                      | 0.40                | -7.37                        | 3.00               | 10.01               | 0.70                  | 6.04                 | 6.74              | -6.45               | 3.00                         | 10.02              | 4.07                | 6.97                  | 11.04                |                   |

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor

e.i.r.p. Result = Conducted Power Result + Antenna Gain

15.407 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

For all test frequencies, B was applied the minimum value (39.344 MHz) as conservative limit.

RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

e.i.r.p. Limit (5150-5250MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250-5350MHz, 5470-5600MHz, 5650-5725MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (35.809 MHz) as conservative limit.

Antenna : Ant 0

Antenna : Ant 2

| Mode    | Freq. | P/M (AV)<br>Reading<br>[dBm] | Cable<br>Loss<br>[dB] | Atten.<br>Loss<br>[dB] | Duty<br>factor<br>[dB] | 1 port<br>Result<br>[dBm] | P/M (AV)<br>Reading<br>[dBm] | Cable<br>Loss<br>[dB] | Atten.<br>Loss<br>[dB] | Duty<br>factor<br>[dB] | 1 port<br>Result<br>[dBm] | Result<br>[dBm] | Remarks |
|---------|-------|------------------------------|-----------------------|------------------------|------------------------|---------------------------|------------------------------|-----------------------|------------------------|------------------------|---------------------------|-----------------|---------|
| (MCS)   | [MHz] |                              |                       |                        |                        |                           |                              |                       |                        |                        |                           |                 |         |
| 0 (2ss) | 5190  | -5.96                        | 2.95                  | 10.00                  | 0.40                   | 7.39                      | -5.38                        | 2.95                  | 10.00                  | 0.40                   | 7.97                      | <b>10.70</b>    | Worst   |
| 1 (2ss) | 5190  | -6.26                        | 2.95                  | 10.00                  | 0.67                   | 7.36                      | -5.65                        | 2.95                  | 10.00                  | 0.67                   | 7.97                      | 10.69           |         |
| 2 (2ss) | 5190  | -6.42                        | 2.95                  | 10.00                  | 0.89                   | 7.42                      | -5.96                        | 2.95                  | 10.00                  | 0.89                   | 7.88                      | 10.67           |         |
| 3 (2ss) | 5190  | -6.67                        | 2.95                  | 10.00                  | 1.04                   | 7.32                      | -6.09                        | 2.95                  | 10.00                  | 1.04                   | 7.90                      | 10.63           |         |
| 4 (2ss) | 5190  | -6.98                        | 2.95                  | 10.00                  | 1.29                   | 7.26                      | -6.44                        | 2.95                  | 10.00                  | 1.29                   | 7.80                      | 10.55           |         |
| 5 (2ss) | 5190  | -7.13                        | 2.95                  | 10.00                  | 1.45                   | 7.27                      | -6.53                        | 2.95                  | 10.00                  | 1.45                   | 7.87                      | 10.59           |         |
| 6 (2ss) | 5190  | -7.22                        | 2.95                  | 10.00                  | 1.51                   | 7.24                      | -6.64                        | 2.95                  | 10.00                  | 1.51                   | 7.82                      | 10.55           |         |
| 7 (2ss) | 5190  | -7.29                        | 2.95                  | 10.00                  | 1.57                   | 7.23                      | -6.68                        | 2.95                  | 10.00                  | 1.57                   | 7.84                      | 10.56           |         |
| 8 (2ss) | 5190  | -7.59                        | 2.95                  | 10.00                  | 1.67                   | 7.03                      | -6.91                        | 2.95                  | 10.00                  | 1.67                   | 7.71                      | 10.39           |         |
| 9 (2ss) | 5190  | -7.65                        | 2.95                  | 10.00                  | 1.74                   | 7.04                      | -6.99                        | 2.95                  | 10.00                  | 1.74                   | 7.70                      | 10.39           |         |

Sample Calculation:

1port Result = Reading + Cable Loss + Atten. Loss + Duty factor

Result = (Ant 0) 1 port Result + (Ant 2) 1 port Result

\* 2ss: 2 spatial stream

## Maximum Conducted Output Power

Test place Shonan EMC Lab. No.1 Measurement Room  
Date November 8, 2023 February 2, 2024  
Temperature / Humidity 24 deg. C / 40 % RH 22 deg. C / 37 % RH  
Engineer Kazuya Noda Kazuya Noda  
Mode Tx, Ant 0 + Ant 2

### 11ax-40 (SDM)

| Tested Frequency<br>[MHz] | Conducted power |           |             |                 |                |                |                |                | e.i.r.p.  |           |             |                 |                |                |                |                |
|---------------------------|-----------------|-----------|-------------|-----------------|----------------|----------------|----------------|----------------|-----------|-----------|-------------|-----------------|----------------|----------------|----------------|----------------|
|                           | Ant             |           |             | Result<br>[dBm] | FCC 15.407     |                | RSS-247        |                | Ant       |           |             | Result<br>[dBm] | FCC 15.407     |                | RSS-247        |                |
|                           | 0<br>[mW]       | 2<br>[mW] | Sum<br>[mW] |                 | Limit<br>[dBm] | Margin<br>[dB] | Limit<br>[dBm] | Margin<br>[dB] | 0<br>[mW] | 2<br>[mW] | Sum<br>[mW] |                 | Limit<br>[dBm] | Margin<br>[dB] | Limit<br>[dBm] | Margin<br>[dB] |
| 5190                      | 5.65            | 6.69      | 12.34       | 10.91           | 23.97          | 13.06          | -              | -              | 6.64      | 17.07     | 23.71       | 13.75           | 29.97          | 16.22          | 23.01          | 9.26           |
| 5230                      | 6.07            | 6.30      | 12.37       | 10.92           | 23.97          | 13.05          | -              | -              | 7.13      | 16.08     | 23.21       | 13.66           | 29.97          | 16.31          | 23.01          | 9.35           |
| 5270                      | 5.61            | 6.97      | 12.58       | 11.00           | 23.97          | 12.97          | 23.97          | 12.97          | 6.59      | 17.80     | 24.38       | 13.87           | 29.97          | 16.10          | 30.00          | 16.13          |
| 5310                      | 6.51            | 6.52      | 13.03       | 11.15           | 23.97          | 12.82          | 23.97          | 12.82          | 7.65      | 16.65     | 24.30       | 13.86           | 29.97          | 16.11          | 30.00          | 16.14          |
| 5510                      | 5.97            | 6.73      | 12.71       | 11.04           | 23.97          | 12.93          | 23.97          | 12.93          | 7.02      | 17.19     | 24.21       | 13.84           | 29.97          | 16.13          | 30.00          | 16.16          |
| 5550                      | 5.80            | 6.69      | 12.49       | 10.96           | 23.97          | 13.01          | 23.97          | 13.01          | 6.81      | 17.07     | 23.89       | 13.78           | 29.97          | 16.19          | 30.00          | 16.22          |
| 5670                      | 5.07            | 6.80      | 11.87       | 10.74           | 23.97          | 13.23          | 23.97          | 13.23          | 5.96      | 17.35     | 23.31       | 13.68           | 29.97          | 16.29          | 30.00          | 16.32          |
| 5755                      | 4.20            | 4.96      | 9.16        | 9.62            | 30.00          | 20.38          | 30.00          | 20.38          | 4.94      | 12.66     | 17.59       | 12.45           | 36.00          | 23.55          | 36.00          | 23.55          |
| 5795                      | 4.08            | 5.22      | 9.29        | 9.68            | 30.00          | 20.32          | 30.00          | 20.32          | 4.79      | 13.31     | 18.10       | 12.58           | 36.00          | 23.42          | 36.00          | 23.42          |

| Tested Frequency<br>[MHz] | Ant 0               |                              |                    |                     |                       |                      |                   | Ant 2               |                              |                    |                     |                       |                      |                   |
|---------------------------|---------------------|------------------------------|--------------------|---------------------|-----------------------|----------------------|-------------------|---------------------|------------------------------|--------------------|---------------------|-----------------------|----------------------|-------------------|
|                           | Duty Factor<br>[dB] | Power Meter Reading<br>[dBm] | Cable Loss<br>[dB] | Atten. Loss<br>[dB] | Antenna Gain<br>[dBi] | Cond. Power<br>[dBm] | e.i.r.p.<br>[dBm] | Duty Factor<br>[dB] | Power Meter Reading<br>[dBm] | Cable Loss<br>[dB] | Atten. Loss<br>[dB] | Antenna Gain<br>[dBi] | Cond. Power<br>[dBm] | e.i.r.p.<br>[dBm] |
| 5190                      | 1.45                | -6.89                        | 2.95               | 10.01               | 0.70                  | 7.52                 | 8.22              | -6.15               | 2.95                         | 10.00              | 4.07                | 8.25                  | 12.32                |                   |
| 5230                      | 1.45                | -6.58                        | 2.95               | 10.01               | 0.70                  | 7.83                 | 8.53              | -6.41               | 2.95                         | 10.00              | 4.07                | 7.99                  | 12.06                |                   |
| 5270                      | 1.45                | -6.94                        | 2.96               | 10.01               | 0.70                  | 7.49                 | 8.19              | -5.98               | 2.96                         | 10.00              | 4.07                | 8.43                  | 12.50                |                   |
| 5310                      | 1.45                | -6.29                        | 2.96               | 10.01               | 0.70                  | 8.14                 | 8.84              | -6.27               | 2.96                         | 10.00              | 4.07                | 8.14                  | 12.21                |                   |
| 5510                      | 1.45                | -6.68                        | 2.98               | 10.01               | 0.70                  | 7.76                 | 8.46              | -6.16               | 2.98                         | 10.01              | 4.07                | 8.28                  | 12.35                |                   |
| 5550                      | 1.45                | -6.81                        | 2.98               | 10.01               | 0.70                  | 7.63                 | 8.33              | -6.19               | 2.98                         | 10.01              | 4.07                | 8.25                  | 12.32                |                   |
| 5670                      | 1.45                | -7.40                        | 2.99               | 10.01               | 0.70                  | 7.05                 | 7.75              | -6.13               | 2.99                         | 10.01              | 4.07                | 8.32                  | 12.39                |                   |
| 5755                      | 1.45                | -8.23                        | 3.00               | 10.01               | 0.70                  | 6.23                 | 6.93              | -7.52               | 3.00                         | 10.02              | 4.07                | 6.95                  | 11.02                |                   |
| 5795                      | 1.45                | -8.36                        | 3.00               | 10.01               | 0.70                  | 6.10                 | 6.80              | -7.30               | 3.00                         | 10.02              | 4.07                | 7.17                  | 11.24                |                   |

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor

e.i.r.p. Result = Conducted Power Result + Antenna Gain

15.407 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

For all test frequencies, B was applied the minimum value (39.759 MHz) as conservative limit.

RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

e.i.r.p. Limit (5150-5250MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250-5350MHz, 5470-5600MHz, 5650-5725MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (37.864 MHz) as conservative limit.

Antenna : Ant 0

Antenna : Ant 2

| Mode     | Freq. | P/M (AV)<br>Reading<br>[dBm] | Cable<br>Loss<br>[dB] | Atten.<br>Loss<br>[dB] | Duty<br>factor<br>[dB] | 1 port<br>Result<br>[dBm] | P/M (AV)<br>Reading<br>[dBm] | Cable<br>Loss<br>[dB] | Atten.<br>Loss<br>[dB] | Duty<br>factor<br>[dB] | 1 port<br>Result<br>[dBm] | Result<br>[dBm] | Remarks |
|----------|-------|------------------------------|-----------------------|------------------------|------------------------|---------------------------|------------------------------|-----------------------|------------------------|------------------------|---------------------------|-----------------|---------|
| (MCS)    | [MHz] |                              |                       |                        |                        |                           |                              |                       |                        |                        |                           |                 |         |
| 0 (2ss)  | 5190  | -5.94                        | 2.95                  | 10.01                  | 0.44                   | 7.46                      | -5.41                        | 2.95                  | 10.00                  | 0.44                   | 7.98                      | 10.73           |         |
| 1 (2ss)  | 5190  | -6.21                        | 2.95                  | 10.01                  | 0.69                   | 7.44                      | -5.72                        | 2.95                  | 10.00                  | 0.69                   | 7.92                      | 10.70           |         |
| 2 (2ss)  | 5190  | -6.42                        | 2.95                  | 10.01                  | 0.89                   | 7.43                      | -5.88                        | 2.95                  | 10.00                  | 0.89                   | 7.96                      | 10.71           |         |
| 3 (2ss)  | 5190  | -6.56                        | 2.95                  | 10.01                  | 1.03                   | 7.43                      | -6.03                        | 2.95                  | 10.00                  | 1.03                   | 7.95                      | 10.71           |         |
| 4 (2ss)  | 5190  | -6.70                        | 2.95                  | 10.01                  | 1.19                   | 7.45                      | -6.28                        | 2.95                  | 10.00                  | 1.19                   | 7.86                      | 10.67           |         |
| 5 (2ss)  | 5190  | -6.95                        | 2.95                  | 10.01                  | 1.32                   | 7.33                      | -6.42                        | 2.95                  | 10.00                  | 1.32                   | 7.85                      | 10.60           |         |
| 6 (2ss)  | 5190  | -6.96                        | 2.95                  | 10.01                  | 1.37                   | 7.37                      | -6.44                        | 2.95                  | 10.00                  | 1.37                   | 7.88                      | 10.64           |         |
| 7 (2ss)  | 5190  | -6.98                        | 2.95                  | 10.01                  | 1.39                   | 7.37                      | -6.46                        | 2.95                  | 10.00                  | 1.39                   | 7.88                      | 10.64           |         |
| 8 (2ss)  | 5190  | -7.20                        | 2.95                  | 10.01                  | 1.40                   | 7.16                      | -6.65                        | 2.95                  | 10.00                  | 1.40                   | 7.70                      | 10.45           |         |
| 9 (2ss)  | 5190  | -7.11                        | 2.95                  | 10.01                  | 1.44                   | 7.29                      | -6.65                        | 2.95                  | 10.00                  | 1.44                   | 7.74                      | 10.53           |         |
| 10 (2ss) | 5190  | -6.89                        | 2.95                  | 10.01                  | 1.45                   | 7.52                      | -6.15                        | 2.95                  | 10.00                  | 1.45                   | 8.25                      | 10.91           | Worst   |
| 11 (2ss) | 5190  | -6.96                        | 2.95                  | 10.01                  | 1.46                   | 7.46                      | -6.21                        | 2.95                  | 10.00                  | 1.46                   | 8.20                      | 10.85           |         |

Sample Calculation:

1port Result = Reading + Cable Loss + Atten. Loss + Duty factor

Result = (Ant 0) 1 port Result + (Ant 2) 1 port Result

\* 2ss: 2 spatial stream

## Maximum Conducted Output Power

Test place Shonan EMC Lab. No.1 Measurement Room  
Date September 29, 2023 September 29, 2023 July 9, 2024  
Temperature / Humidity 24 deg. C / 46 % RH 24 deg. C / 48 % RH 23 deg. C / 37 % RH  
Engineer Kazuya Noda Yusuke Tanikawara Kouki Yamada  
Mode Tx, Ant 0 + Ant 2

### 11ac-80 (SDM)

| Tested Frequency<br>[MHz] | Conducted power |       |              |              |                  |        |               |        | e.i.r.p. |       |              |              |                  |        |               |        |
|---------------------------|-----------------|-------|--------------|--------------|------------------|--------|---------------|--------|----------|-------|--------------|--------------|------------------|--------|---------------|--------|
|                           | 0               | Ant 2 | Sum          | Result       | FCC 15.407 Limit | Margin | RSS-247 Limit | Margin | 0        | Ant 2 | Sum          | Result       | FCC 15.407 Limit | Margin | RSS-247 Limit | Margin |
| [mW]                      | [mW]            | [mW]  | [dBm]        | [dBm]        | [dBm]            | [dB]   | [dBm]         | [dB]   | [mW]     | [mW]  | [mW]         | [dBm]        | [dBm]            | [dB]   | [dBm]         | [dB]   |
| 5210                      | 5.33            | 5.65  | <b>10.98</b> | <b>10.41</b> | 23.97            | 13.56  | -             | -      | 6.27     | 14.42 | <b>20.69</b> | <b>13.16</b> | 29.97            | 16.81  | 23.01         | 9.85   |
| 5290                      | 5.50            | 6.03  | <b>11.53</b> | <b>10.62</b> | 23.97            | 13.35  | 23.97         | 13.35  | 6.46     | 15.38 | <b>21.84</b> | <b>13.39</b> | 29.97            | 16.58  | 30.00         | 16.61  |
| 5530                      | 5.14            | 5.68  | <b>10.82</b> | <b>10.34</b> | 23.97            | 13.63  | 23.97         | 13.63  | 6.04     | 14.49 | <b>20.53</b> | <b>13.12</b> | 29.97            | 16.85  | 30.00         | 16.88  |
| 5775                      | 4.06            | 4.86  | <b>8.93</b>  | <b>9.51</b>  | 30.00            | 20.49  | 30.00         | 20.49  | 4.78     | 12.42 | <b>17.19</b> | <b>12.35</b> | 36.00            | 23.65  | 36.00         | 23.65  |

| Ant 0            |             |                     |            |             |              |             |        | Ant 2               |            |             |              |             |        |  |  |
|------------------|-------------|---------------------|------------|-------------|--------------|-------------|--------|---------------------|------------|-------------|--------------|-------------|--------|--|--|
| Tested Frequency | Duty Factor | Power Meter Reading | Cable Loss | Atten. Loss | Antenna Gain | Cond. Power | Result | Power Meter Reading | Cable Loss | Atten. Loss | Antenna Gain | Cond. Power | Result |  |  |
| [MHz]            | [dB]        | [dBm]               | [dB]       | [dB]        | [dBi]        | [dBm]       | [dBm]  | [dBm]               | [dB]       | [dB]        | [dBi]        | [dBm]       | [dBm]  |  |  |
| 5210             | 0.69        | -6.37               | 2.95       | 10.00       | 0.70         | 7.27        | 7.97   | -6.12               | 2.95       | 10.00       | 4.07         | 7.52        | 11.59  |  |  |
| 5290             | 0.69        | -6.26               | 2.96       | 10.01       | 0.70         | 7.40        | 8.10   | -5.85               | 2.96       | 10.00       | 4.07         | 7.80        | 11.87  |  |  |
| 5530             | 0.69        | -6.57               | 2.98       | 10.01       | 0.70         | 7.11        | 7.81   | -6.14               | 2.98       | 10.01       | 4.07         | 7.54        | 11.61  |  |  |
| 5775             | 0.69        | -7.61               | 3.00       | 10.01       | 0.70         | 6.09        | 6.79   | -6.84               | 3.00       | 10.02       | 4.07         | 6.87        | 10.94  |  |  |

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor

e.i.r.p. Result = Conducted Power Result + Antenna Gain

15.407 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

For all test frequencies, B was applied the minimum value (79.236 MHz) as conservative limit.

RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

e.i.r.p. Limit (5150-5250MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250-5350MHz, 5470-5600MHz, 5650-5725MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (75.163 MHz) as conservative limit.

Antenna : Ant 0

Antenna : Ant 2

| Mode    | Freq. | P/M (AV) | Cable | Atten. | Duty | 1 port | P/M (AV) | Cable | Atten. | Duty | 1 port | Result       | Remarks |
|---------|-------|----------|-------|--------|------|--------|----------|-------|--------|------|--------|--------------|---------|
| (MCS)   | [MHz] | [dBm]    | [dB]  | [dB]   | [dB] | [dBm]  | [dBm]    | [dB]  | [dB]   | [dB] | [dBm]  | [dBm]        |         |
| 0 (2ss) | 5210  | -6.37    | 2.95  | 10.00  | 0.69 | 7.27   | -6.12    | 2.95  | 10.00  | 0.69 | 7.52   | <b>10.41</b> | Worst   |
| 1 (2ss) | 5210  | -6.79    | 2.95  | 10.00  | 1.08 | 7.24   | -6.59    | 2.95  | 10.00  | 1.08 | 7.44   | 10.35        |         |
| 2 (2ss) | 5210  | -7.03    | 2.95  | 10.00  | 1.32 | 7.24   | -6.88    | 2.95  | 10.00  | 1.32 | 7.39   | 10.33        |         |
| 3 (2ss) | 5210  | -7.33    | 2.95  | 10.00  | 1.48 | 7.10   | -7.05    | 2.95  | 10.00  | 1.48 | 7.38   | 10.25        |         |
| 4 (2ss) | 5210  | -7.50    | 2.95  | 10.00  | 1.69 | 7.14   | -7.31    | 2.95  | 10.00  | 1.69 | 7.33   | 10.25        |         |
| 5 (2ss) | 5210  | -7.67    | 2.95  | 10.00  | 1.76 | 7.04   | -7.40    | 2.95  | 10.00  | 1.76 | 7.31   | 10.19        |         |
| 6 (2ss) | 5210  | -7.66    | 2.95  | 10.00  | 1.80 | 7.09   | -7.48    | 2.95  | 10.00  | 1.80 | 7.27   | 10.19        |         |
| 7 (2ss) | 5210  | -7.65    | 2.95  | 10.00  | 1.84 | 7.14   | -7.50    | 2.95  | 10.00  | 1.84 | 7.29   | 10.23        |         |
| 8 (2ss) | 5210  | -7.87    | 2.95  | 10.00  | 1.93 | 7.01   | -7.74    | 2.95  | 10.00  | 1.93 | 7.14   | 10.09        |         |
| 9 (2ss) | 5210  | -7.88    | 2.95  | 10.00  | 1.97 | 7.04   | -7.75    | 2.95  | 10.00  | 1.97 | 7.17   | 10.12        |         |

Sample Calculation:

1port Result = Reading + Cable Loss + Atten. Loss + Duty factor

Result = (Ant 0) 1 port Result + (Ant 2) 1 port Result

\* 2ss: 2 spatial stream

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.1 Measurement Room  
Date November 8, 2023 February 2, 2024  
Temperature / Humidity 24 deg. C / 40 % RH 22 deg. C / 37 % RH  
Engineer Kazuya Noda  
Mode Tx, Ant 0 + Ant 2

| Tested Frequency | Conducted power |      |       |        |            |        |         |        | e.i.r.p. |       |       |        |            |        |         |        |
|------------------|-----------------|------|-------|--------|------------|--------|---------|--------|----------|-------|-------|--------|------------|--------|---------|--------|
|                  | Ant 0           |      |       | Result | FCC 15.407 |        | RSS-247 |        | Ant 2    |       |       | Result | FCC 15.407 |        | RSS-247 |        |
|                  | 0               | 2    | Sum   |        | Limit      | Margin | Limit   | Margin | 0        | 2     | Sum   |        | Limit      | Margin | Limit   | Margin |
| [MHz]            | [mW]            | [mW] | [mW]  | [dBm]  | [dBm]      | [dB]   | [dBm]   | [dB]   | [mW]     | [mW]  | [mW]  | [dBm]  | [dBm]      | [dB]   | [dBm]   | [dB]   |
| 5210             | 5.68            | 6.22 | 11.90 | 10.75  | 23.97      | 13.22  | -       | -      | 6.67     | 15.89 | 22.55 | 13.53  | 29.97      | 16.44  | 23.01   | 9.48   |
| 5290             | 5.98            | 6.67 | 12.64 | 11.02  | 23.97      | 12.95  | 23.97   | 12.95  | 7.02     | 17.02 | 24.04 | 13.81  | 29.97      | 16.16  | 30.00   | 16.19  |
| 5530             | 5.71            | 6.59 | 12.31 | 10.90  | 23.97      | 13.07  | 23.97   | 13.07  | 6.71     | 16.83 | 23.54 | 13.72  | 29.97      | 16.25  | 30.00   | 16.28  |
| 5775             | 4.38            | 4.66 | 9.03  | 9.56   | 30.00      | 20.44  | 30.00   | 20.44  | 5.14     | 11.89 | 17.03 | 12.31  | 36.00      | 23.69  | 36.00   | 23.69  |

|                  |             | Ant 0               |            |             |              |             | Ant 2    |                     |            |             |              |             |          |
|------------------|-------------|---------------------|------------|-------------|--------------|-------------|----------|---------------------|------------|-------------|--------------|-------------|----------|
| Tested Frequency | Duty Factor | Power Meter Reading | Cable Loss | Atten. Loss | Antenna Gain | Result      |          | Power Meter Reading | Cable Loss | Atten. Loss | Antenna Gain | Result      |          |
|                  |             |                     |            |             |              | Cond. Power | e.i.r.p. |                     |            |             |              | Cond. Power | e.i.r.p. |
| [MHz]            | [dB]        | [dBm]               | [dB]       | [dB]        | [dBi]        | [dBm]       | [dBm]    | [dBm]               | [dB]       | [dB]        | [dBi]        | [dBm]       | [dBm]    |
| 5210             | 1.63        | -7.05               | 2.95       | 10.01       | 0.70         | 7.54        | 8.24     | -6.64               | 2.95       | 10.00       | 4.07         | 7.94        | 12.01    |
| 5290             | 1.63        | -6.84               | 2.96       | 10.01       | 0.70         | 7.76        | 8.46     | -6.35               | 2.96       | 10.00       | 4.07         | 8.24        | 12.31    |
| 5530             | 1.63        | -7.05               | 2.98       | 10.01       | 0.70         | 7.57        | 8.27     | -6.43               | 2.98       | 10.01       | 4.07         | 8.19        | 12.26    |
| 5775             | 1.63        | -8.23               | 3.00       | 10.01       | 0.70         | 6.41        | 7.11     | -7.97               | 3.00       | 10.02       | 4.07         | 6.68        | 10.75    |

Sample Calculation:  
Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor  
e.i.r.p. Result = Conducted Power Result + Antenna Gain

15.407 Limit  
Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower  
Conducted Power Limit (5725 MHz-5850 MHz) = 1W  
For all test frequencies, B was applied the minimum value (80.525 MHz) as conservative limit.

RSS-247 Limit  
Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower  
Conducted Power Limit (5725 MHz-5850 MHz) = 1W  
e.i.r.p. Limit (5150-5250MHz) = 200mW or (10 + 10logB) dBm, whichever is lower  
e.i.r.p. Limit (5250-5350MHz, 5470-5600MHz, 5650-5725MHz) = 1W or (17 + 10logB) dBm, whichever is lower  
For all test frequencies, B was applied the minimum value (77.489 MHz) as conservative limit.

| Antenna : Ant 0 |       |                  |            |             |             |               | Antenna : Ant 2  |            |             |             |               |        |         |
|-----------------|-------|------------------|------------|-------------|-------------|---------------|------------------|------------|-------------|-------------|---------------|--------|---------|
| Mode            | Freq. | P/M (AV) Reading | Cable Loss | Atten. Loss | Duty factor | 1 port Result | P/M (AV) Reading | Cable Loss | Atten. Loss | Duty factor | 1 port Result | Result | Remarks |
| (MCS)           | [MHz] | [dBm]            | [dB]       | [dB]        | [dB]        | [dBm]         | [dBm]            | [dB]       | [dB]        | [dB]        | [dBm]         | [dBm]  |         |
| 0 (2ss)         | 5210  | -6.24            | 2.95       | 10.01       | 0.74        | 7.46          | -6.07            | 2.95       | 10.00       | 0.74        | 7.62          | 10.55  |         |
| 1 (2ss)         | 5210  | -6.65            | 2.95       | 10.01       | 1.07        | 7.38          | -6.44            | 2.95       | 10.00       | 1.07        | 7.58          | 10.49  |         |
| 2 (2ss)         | 5210  | -6.75            | 2.95       | 10.01       | 1.18        | 7.39          | -6.53            | 2.95       | 10.00       | 1.18        | 7.60          | 10.50  |         |
| 3 (2ss)         | 5210  | -6.89            | 2.95       | 10.01       | 1.30        | 7.37          | -6.63            | 2.95       | 10.00       | 1.30        | 7.62          | 10.51  |         |
| 4 (2ss)         | 5210  | -7.01            | 2.95       | 10.01       | 1.40        | 7.35          | -6.78            | 2.95       | 10.00       | 1.40        | 7.57          | 10.48  |         |
| 5 (2ss)         | 5210  | -7.18            | 2.95       | 10.01       | 1.50        | 7.28          | -6.98            | 2.95       | 10.00       | 1.50        | 7.47          | 10.39  |         |
| 6 (2ss)         | 5210  | -7.21            | 2.95       | 10.01       | 1.54        | 7.29          | -7.00            | 2.95       | 10.00       | 1.54        | 7.49          | 10.40  |         |
| 7 (2ss)         | 5210  | -7.22            | 2.95       | 10.01       | 1.55        | 7.29          | -7.01            | 2.95       | 10.00       | 1.55        | 7.49          | 10.40  |         |
| 8 (2ss)         | 5210  | -7.29            | 2.95       | 10.01       | 1.58        | 7.25          | -7.16            | 2.95       | 10.00       | 1.58        | 7.37          | 10.33  |         |
| 9 (2ss)         | 5210  | -7.26            | 2.95       | 10.01       | 1.60        | 7.30          | -6.98            | 2.95       | 10.00       | 1.60        | 7.57          | 10.44  |         |
| 10 (2ss)        | 5210  | -7.05            | 2.95       | 10.01       | 1.63        | 7.54          | -6.64            | 2.95       | 10.00       | 1.63        | 7.94          | 10.76  | Worst   |
| 11 (2ss)        | 5210  | -7.13            | 2.95       | 10.01       | 1.63        | 7.46          | -6.68            | 2.95       | 10.00       | 1.63        | 7.90          | 10.70  |         |

Sample Calculation:  
1 port Result = Reading + Cable Loss + Atten. Loss + Duty factor  
Result = (Ant 0) 1 port Result + (Ant 2) 1 port Result  
2ss: 2 spatial stream

## Maximum Conducted Output Power

Test place Shonan EMC Lab. No.1 Measurement Room  
Date November 1, 2023 November 24, 2023 January 31, 2024 July 9, 2024  
Temperature / Humidity 25deg. C / 39 RH 22 deg. C / 46 % RH 23 deg. C / 50 % RH 23 deg. C / 37 % RH  
Engineer Kazuya Noda Yusuke Tanikawara Kazuya Noda Kouki Yamada  
Mode Tx, Ant 2

11ax-20 (OFDMA) (SISO) 26-tone

| Tested Frequency [MHz] | RU Index | Power Meter Reading [dBm] | Cable Loss [dB] | Atten. Loss [dB] | Duty Factor [dB] | Antenna Gain [dB] | Result |      | Conducted Power        |                        | RSS-247     |             | Result |       | e.i.r.p.               |                        | RSS-247     |             |
|------------------------|----------|---------------------------|-----------------|------------------|------------------|-------------------|--------|------|------------------------|------------------------|-------------|-------------|--------|-------|------------------------|------------------------|-------------|-------------|
|                        |          |                           |                 |                  |                  |                   | [dBm]  | [mW] | FCC 15.407 Limit [dBm] | FCC 15.407 Margin [dB] | Limit [dBm] | Margin [dB] | [dBm]  | [mW]  | FCC 15.407 Limit [dBm] | FCC 15.407 Margin [dB] | Limit [dBm] | Margin [dB] |
| 5180                   | 0        | -9.23                     | 2.95            | 10.01            | 0.37             | 4.07              | 4.10   | 2.57 | 23.97                  | 19.87                  | -           | -           | 8.17   | 6.57  | 29.97                  | 21.80                  | 22.29       | 14.12       |
|                        | 4        | -9.07                     | 2.95            | 10.01            | 0.37             | 4.07              | 4.26   | 2.67 | 23.97                  | 19.87                  | -           | -           | 8.33   | 6.82  | 29.97                  | 21.64                  | 22.29       | 13.96       |
|                        | 8        | -9.01                     | 2.95            | 10.01            | 0.37             | 4.07              | 4.32   | 2.71 | 23.97                  | 19.87                  | -           | -           | 8.39   | 6.91  | 29.97                  | 21.58                  | 22.29       | 13.90       |
| 5220                   | 0        | -8.98                     | 2.95            | 10.01            | 0.37             | 4.07              | 4.35   | 2.73 | 23.97                  | 19.62                  | -           | -           | 8.42   | 6.96  | 29.97                  | 21.55                  | 22.29       | 13.87       |
|                        | 4        | -8.87                     | 2.95            | 10.01            | 0.37             | 4.07              | 4.46   | 2.80 | 23.97                  | 19.62                  | -           | -           | 8.53   | 7.14  | 29.97                  | 21.44                  | 22.29       | 13.76       |
|                        | 8        | -8.77                     | 2.95            | 10.01            | 0.37             | 4.07              | 4.56   | 2.86 | 23.97                  | 19.62                  | -           | -           | 8.63   | 7.30  | 29.97                  | 21.34                  | 22.29       | 13.66       |
| 5240                   | 0        | -8.64                     | 2.95            | 10.01            | 0.37             | 4.07              | 4.69   | 2.95 | 23.97                  | 19.28                  | -           | -           | 8.76   | 7.52  | 29.97                  | 21.21                  | 22.29       | 13.53       |
|                        | 4        | -8.39                     | 2.95            | 10.01            | 0.37             | 4.07              | 4.94   | 3.12 | 23.97                  | 19.28                  | -           | -           | 9.01   | 7.97  | 29.97                  | 20.96                  | 22.29       | 13.28       |
|                        | 8        | -8.38                     | 2.95            | 10.01            | 0.37             | 4.07              | 4.95   | 3.13 | 23.97                  | 19.28                  | -           | -           | 9.02   | 7.99  | 29.97                  | 20.95                  | 22.29       | 13.27       |
| 5260                   | 0        | -9.92                     | 2.95            | 10.01            | 0.37             | 4.07              | 3.41   | 2.20 | 23.56                  | 20.15                  | 23.29       | 19.88       | 7.48   | 5.60  | 29.97                  | 22.49                  | 29.29       | 21.81       |
|                        | 4        | -9.75                     | 2.95            | 10.01            | 0.37             | 4.07              | 3.58   | 2.28 | 23.56                  | 20.15                  | 23.29       | 19.88       | 7.65   | 5.83  | 29.97                  | 22.32                  | 29.29       | 21.64       |
|                        | 8        | -9.71                     | 2.95            | 10.01            | 0.37             | 4.07              | 3.62   | 2.30 | 23.56                  | 20.15                  | 23.29       | 19.88       | 7.69   | 5.88  | 29.97                  | 22.28                  | 29.29       | 21.60       |
| 5300                   | 0        | -10.22                    | 2.96            | 10.01            | 0.37             | 4.07              | 3.12   | 2.05 | 23.56                  | 20.44                  | 23.29       | 20.17       | 7.19   | 5.24  | 29.97                  | 22.78                  | 29.29       | 22.10       |
|                        | 4        | -9.95                     | 2.96            | 10.01            | 0.37             | 4.07              | 3.39   | 2.19 | 23.56                  | 20.44                  | 23.29       | 20.17       | 7.46   | 5.58  | 29.97                  | 22.51                  | 29.29       | 21.83       |
|                        | 8        | -9.83                     | 2.96            | 10.01            | 0.37             | 4.07              | 3.51   | 2.25 | 23.56                  | 20.44                  | 23.29       | 20.17       | 7.58   | 5.73  | 29.97                  | 22.39                  | 29.29       | 21.71       |
| 5320                   | 0        | -9.74                     | 2.96            | 10.01            | 0.37             | 4.07              | 3.60   | 2.29 | 23.56                  | 19.96                  | 23.29       | 19.69       | 7.67   | 5.85  | 29.97                  | 22.30                  | 29.29       | 21.62       |
|                        | 4        | -9.54                     | 2.96            | 10.01            | 0.37             | 4.07              | 3.80   | 2.40 | 23.56                  | 19.96                  | 23.29       | 19.69       | 7.87   | 6.13  | 29.97                  | 22.10                  | 29.29       | 21.42       |
|                        | 8        | -9.48                     | 2.96            | 10.01            | 0.37             | 4.07              | 3.86   | 2.43 | 23.56                  | 19.96                  | 23.29       | 19.69       | 7.93   | 6.22  | 29.97                  | 22.04                  | 29.29       | 21.36       |
| 5500                   | 0        | -9.51                     | 2.98            | 10.01            | 0.37             | 4.07              | 3.85   | 2.43 | 23.56                  | 19.71                  | 23.29       | 19.44       | 7.92   | 6.20  | 29.97                  | 22.05                  | 29.29       | 21.37       |
|                        | 4        | -9.41                     | 2.98            | 10.01            | 0.37             | 4.07              | 3.95   | 2.49 | 23.56                  | 19.71                  | 23.29       | 19.44       | 8.02   | 6.35  | 29.97                  | 21.95                  | 29.29       | 21.27       |
|                        | 8        | -9.44                     | 2.98            | 10.01            | 0.37             | 4.07              | 3.92   | 2.47 | 23.56                  | 19.71                  | 23.29       | 19.44       | 7.99   | 6.30  | 29.97                  | 21.98                  | 29.29       | 21.30       |
| 5580                   | 0        | -9.16                     | 2.98            | 10.01            | 0.37             | 4.07              | 4.20   | 2.63 | 23.56                  | 19.36                  | 23.29       | 19.09       | 8.27   | 6.72  | 29.97                  | 21.70                  | 29.29       | 21.02       |
|                        | 4        | -9.05                     | 2.98            | 10.01            | 0.37             | 4.07              | 4.31   | 2.70 | 23.56                  | 19.36                  | 23.29       | 19.09       | 8.38   | 6.89  | 29.97                  | 21.59                  | 29.29       | 20.91       |
|                        | 8        | -9.03                     | 2.98            | 10.01            | 0.37             | 4.07              | 4.33   | 2.71 | 23.56                  | 19.36                  | 23.29       | 19.09       | 8.40   | 6.93  | 29.97                  | 21.57                  | 29.29       | 20.89       |
| 5700                   | 0        | -9.86                     | 2.99            | 10.01            | 0.37             | 4.07              | 3.51   | 2.25 | 23.56                  | 20.05                  | 23.29       | 19.78       | 7.58   | 5.73  | 29.97                  | 22.39                  | 29.29       | 21.71       |
|                        | 4        | -9.74                     | 2.99            | 10.01            | 0.37             | 4.07              | 3.63   | 2.31 | 23.56                  | 20.05                  | 23.29       | 19.78       | 7.70   | 5.90  | 29.97                  | 22.27                  | 29.29       | 21.59       |
|                        | 8        | -9.87                     | 2.99            | 10.01            | 0.37             | 4.07              | 3.50   | 2.24 | 23.56                  | 20.05                  | 23.29       | 19.78       | 7.57   | 5.72  | 29.97                  | 22.40                  | 29.29       | 21.72       |
| 5745                   | 0        | -6.81                     | 3.00            | 10.01            | 0.37             | 4.07              | 6.57   | 4.54 | 30.00                  | 23.43                  | 30.00       | 23.43       | 10.64  | 11.60 | 36.00                  | 25.36                  | 36.00       | 25.36       |
|                        | 4        | -6.85                     | 3.00            | 10.01            | 0.37             | 4.07              | 6.53   | 4.50 | 30.00                  | 23.43                  | 30.00       | 23.43       | 10.60  | 11.49 | 36.00                  | 25.40                  | 36.00       | 25.40       |
|                        | 8        | -6.82                     | 3.00            | 10.01            | 0.37             | 4.07              | 6.56   | 4.53 | 30.00                  | 23.43                  | 30.00       | 23.43       | 10.63  | 11.57 | 36.00                  | 25.37                  | 36.00       | 25.37       |
| 5785                   | 0        | -6.23                     | 3.00            | 10.01            | 0.37             | 4.07              | 7.15   | 5.19 | 30.00                  | 22.85                  | 30.00       | 22.85       | 11.22  | 13.26 | 36.00                  | 24.78                  | 36.00       | 24.78       |
|                        | 4        | -6.18                     | 3.00            | 10.01            | 0.37             | 4.07              | 7.20   | 5.25 | 30.00                  | 22.85                  | 30.00       | 22.85       | 11.27  | 13.41 | 36.00                  | 24.73                  | 36.00       | 24.73       |
|                        | 8        | -6.20                     | 3.00            | 10.01            | 0.37             | 4.07              | 7.18   | 5.23 | 30.00                  | 22.85                  | 30.00       | 22.85       | 11.25  | 13.35 | 36.00                  | 24.75                  | 36.00       | 24.75       |
| 5825                   | 0        | -6.83                     | 3.00            | 10.01            | 0.37             | 4.07              | 6.55   | 4.52 | 30.00                  | 23.45                  | 30.00       | 23.45       | 10.62  | 11.55 | 36.00                  | 25.38                  | 36.00       | 25.38       |
|                        | 4        | -6.75                     | 3.00            | 10.01            | 0.37             | 4.07              | 6.63   | 4.61 | 30.00                  | 23.45                  | 30.00       | 23.45       | 10.70  | 11.76 | 36.00                  | 25.30                  | 36.00       | 25.30       |
|                        | 8        | -6.74                     | 3.00            | 10.01            | 0.37             | 4.07              | 6.64   | 4.62 | 30.00                  | 23.45                  | 30.00       | 23.45       | 10.71  | 11.79 | 36.00                  | 25.29                  | 36.00       | 25.29       |

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor  
e.i.r.p. Result = Conducted Power Result + Antenna Gain

15.407 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

For all test frequencies, B was applied the minimum value (18.036 MHz) as conservative limit.

RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

e.i.r.p. Limit (5150 MHz-5250 MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (16.959 MHz) as conservative limit.

## Maximum Conducted Output Power

Test place: Shonan EMC Lab. No.1 Measurement Room  
Date: November 1, 2023 November 24, 2023 January 31, 2024 July 9, 2024  
Temperature / Humidity: 25deg. C / 39 RH 22 deg. C / 46 % RH 23 deg. C / 50 % RH 23 deg. C / 37 % RH  
Engineer: Kazuya Noda Yusuke Tanikawara Kazuya Noda Kouki Yamada  
Mode: Tx, Ant 2

11ax-20 (OFDMA) (SISO) 52-tone

| Tested Frequency [MHz] | RU Index | Power Meter Reading [dBm] | Cable Loss [dB] | Atten. Loss [dB] | Duty Factor [dB] | Antenna Gain [dB] | Conducted Power |      |             |             | e.i.r.p.    |             |        |       |
|------------------------|----------|---------------------------|-----------------|------------------|------------------|-------------------|-----------------|------|-------------|-------------|-------------|-------------|--------|-------|
|                        |          |                           |                 |                  |                  |                   | Result          |      | FCC 15.407  |             | RSS-247     |             | Result |       |
|                        |          |                           |                 |                  |                  |                   | [dBm]           | [mW] | Limit [dBm] | Margin [dB] | Limit [dBm] | Margin [dB] | [dBm]  | [mW]  |
| 5180                   | 37       | -6.10                     | 2.95            | 10.01            | 0.61             | 4.07              | 7.47            | 5.59 | 23.97       | 16.50       | -           | -           | 11.54  | 14.27 |
|                        | 38       | -6.09                     | 2.95            | 10.01            | 0.61             | 4.07              | 7.48            | 5.60 | 23.97       | 16.50       | -           | -           | 11.55  | 14.30 |
|                        | 40       | -5.95                     | 2.95            | 10.01            | 0.61             | 4.07              | 7.62            | 5.79 | 23.97       | 16.50       | -           | -           | 11.69  | 14.77 |
| 5220                   | 37       | -6.06                     | 2.95            | 10.01            | 0.61             | 4.07              | 7.51            | 5.64 | 23.97       | 16.46       | -           | -           | 11.58  | 14.40 |
|                        | 38       | -6.03                     | 2.95            | 10.01            | 0.61             | 4.07              | 7.54            | 5.68 | 23.97       | 16.46       | -           | -           | 11.61  | 14.50 |
|                        | 40       | -5.90                     | 2.95            | 10.01            | 0.61             | 4.07              | 7.67            | 5.85 | 23.97       | 16.46       | -           | -           | 11.74  | 14.94 |
| 5240                   | 37       | -5.64                     | 2.95            | 10.01            | 0.61             | 4.07              | 7.93            | 6.21 | 23.97       | 16.04       | -           | -           | 12.00  | 15.86 |
|                        | 38       | -5.63                     | 2.95            | 10.01            | 0.61             | 4.07              | 7.94            | 6.23 | 23.97       | 16.04       | -           | -           | 12.01  | 15.90 |
|                        | 40       | -5.59                     | 2.95            | 10.01            | 0.61             | 4.07              | 7.98            | 6.29 | 23.97       | 16.04       | -           | -           | 12.05  | 16.05 |
| 5260                   | 37       | -6.58                     | 2.95            | 10.01            | 0.61             | 4.07              | 6.99            | 5.00 | 23.58       | 16.59       | 23.29       | 16.30       | 11.06  | 12.78 |
|                        | 38       | -6.45                     | 2.95            | 10.01            | 0.61             | 4.07              | 7.12            | 5.16 | 23.58       | 16.59       | 23.29       | 16.30       | 11.19  | 13.16 |
|                        | 40       | -6.46                     | 2.95            | 10.01            | 0.61             | 4.07              | 7.11            | 5.14 | 23.58       | 16.59       | 23.29       | 16.30       | 11.18  | 13.13 |
| 5300                   | 37       | -7.19                     | 2.96            | 10.01            | 0.61             | 4.07              | 6.39            | 4.36 | 23.58       | 17.19       | 23.29       | 16.90       | 10.46  | 11.13 |
|                        | 38       | -7.04                     | 2.96            | 10.01            | 0.61             | 4.07              | 6.54            | 4.51 | 23.58       | 17.19       | 23.29       | 16.90       | 10.61  | 11.52 |
|                        | 40       | -6.91                     | 2.96            | 10.01            | 0.61             | 4.07              | 6.67            | 4.65 | 23.58       | 17.19       | 23.29       | 16.90       | 10.74  | 11.87 |
| 5320                   | 37       | -6.70                     | 2.96            | 10.01            | 0.61             | 4.07              | 6.88            | 4.88 | 23.58       | 16.70       | 23.29       | 16.41       | 10.95  | 12.46 |
|                        | 38       | -6.61                     | 2.96            | 10.01            | 0.61             | 4.07              | 6.97            | 4.98 | 23.58       | 16.70       | 23.29       | 16.41       | 11.04  | 12.72 |
|                        | 40       | -6.51                     | 2.96            | 10.01            | 0.61             | 4.07              | 7.07            | 5.10 | 23.58       | 16.70       | 23.29       | 16.41       | 11.14  | 13.01 |
| 5500                   | 37       | -6.61                     | 2.98            | 10.01            | 0.61             | 4.07              | 6.99            | 5.00 | 23.58       | 16.59       | 23.29       | 16.30       | 11.06  | 12.78 |
|                        | 38       | -6.51                     | 2.98            | 10.01            | 0.61             | 4.07              | 7.09            | 5.12 | 23.58       | 16.59       | 23.29       | 16.30       | 11.16  | 13.07 |
|                        | 40       | -6.47                     | 2.98            | 10.01            | 0.61             | 4.07              | 7.13            | 5.17 | 23.58       | 16.59       | 23.29       | 16.30       | 11.20  | 13.19 |
| 5580                   | 37       | -6.49                     | 2.98            | 10.01            | 0.61             | 4.07              | 7.11            | 5.14 | 23.58       | 16.47       | 23.29       | 16.18       | 11.18  | 13.13 |
|                        | 38       | -6.40                     | 2.98            | 10.01            | 0.61             | 4.07              | 7.20            | 5.25 | 23.58       | 16.47       | 23.29       | 16.18       | 11.27  | 13.41 |
|                        | 40       | -6.35                     | 2.98            | 10.01            | 0.61             | 4.07              | 7.25            | 5.31 | 23.58       | 16.47       | 23.29       | 16.18       | 11.32  | 13.56 |
| 5700                   | 37       | -6.84                     | 2.99            | 10.01            | 0.61             | 4.07              | 6.77            | 4.76 | 23.58       | 16.81       | 23.29       | 16.52       | 10.84  | 12.14 |
|                        | 38       | -6.77                     | 2.99            | 10.01            | 0.61             | 4.07              | 6.84            | 4.83 | 23.58       | 16.81       | 23.29       | 16.52       | 10.91  | 12.34 |
|                        | 40       | -6.85                     | 2.99            | 10.01            | 0.61             | 4.07              | 6.76            | 4.75 | 23.58       | 16.81       | 23.29       | 16.52       | 10.83  | 12.12 |
| 5745                   | 37       | -7.07                     | 3.00            | 10.01            | 0.61             | 4.07              | 6.55            | 4.52 | 30.00       | 23.45       | 30.00       | 23.45       | 10.62  | 11.54 |
|                        | 38       | -7.08                     | 3.00            | 10.01            | 0.61             | 4.07              | 6.54            | 4.51 | 30.00       | 23.45       | 30.00       | 23.45       | 10.61  | 11.52 |
|                        | 40       | -7.00                     | 3.00            | 10.01            | 0.61             | 4.07              | 6.62            | 4.60 | 30.00       | 23.45       | 30.00       | 23.45       | 10.69  | 11.73 |
| 5785                   | 37       | -6.74                     | 3.00            | 10.01            | 0.61             | 4.07              | 6.88            | 4.88 | 30.00       | 23.12       | 30.00       | 23.12       | 10.95  | 12.46 |
|                        | 38       | -6.71                     | 3.00            | 10.01            | 0.61             | 4.07              | 6.91            | 4.91 | 30.00       | 23.12       | 30.00       | 23.12       | 10.98  | 12.54 |
|                        | 40       | -6.72                     | 3.00            | 10.01            | 0.61             | 4.07              | 6.90            | 4.90 | 30.00       | 23.12       | 30.00       | 23.12       | 10.97  | 12.51 |
| 5825                   | 37       | -7.03                     | 3.00            | 10.01            | 0.61             | 4.07              | 6.59            | 4.56 | 30.00       | 23.41       | 30.00       | 23.41       | 10.66  | 11.65 |
|                        | 38       | -6.88                     | 3.00            | 10.01            | 0.61             | 4.07              | 6.74            | 4.72 | 30.00       | 23.41       | 30.00       | 23.41       | 10.81  | 12.06 |
|                        | 40       | -6.93                     | 3.00            | 10.01            | 0.61             | 4.07              | 6.69            | 4.67 | 30.00       | 23.41       | 30.00       | 23.41       | 10.76  | 11.92 |

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor  
e.i.r.p. Result = Conducted Power Result + Antenna Gain

### 15.407 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

For all test frequencies, B was applied the minimum value (18.147 MHz) as conservative limit.

### RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

e.i.r.p. Limit (5150 MHz-5250 MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (16.980 MHz) as conservative limit.

## Maximum Conducted Output Power

Test place Shonan EMC Lab. No.1 Measurement Room  
Date November 1, 2023 November 24, 2023 January 31, 2024 July 9, 2024  
Temperature / Humidity 25deg. C / 39 RH 22 deg. C / 46 % RH 23 deg. C / 50 % RH 23 deg. C / 37 % RH  
Engineer Kazuya Noda Yusuke Tanikawara Kazuya Noda Kouki Yamada  
Mode Tx, Ant 2

11ax-20 (OFDMA) (SISO) 106-tone

| Tested Frequency [MHz] | RU Index | Power Meter Reading [dBm] | Cable Loss [dB] | Atten. Loss [dB] | Duty Factor [dB] | Antenna Gain [dBi] | Result |      | Conducted Power        |             | RSS-247     |             | Result |       | e.i.r.p.               |             | RSS-247     |             |
|------------------------|----------|---------------------------|-----------------|------------------|------------------|--------------------|--------|------|------------------------|-------------|-------------|-------------|--------|-------|------------------------|-------------|-------------|-------------|
|                        |          |                           |                 |                  |                  |                    | [dBm]  | [mW] | FCC 15.407 Limit [dBm] | Margin [dB] | Limit [dBm] | Margin [dB] | [dBm]  | [mW]  | FCC 15.407 Limit [dBm] | Margin [dB] | Limit [dBm] | Margin [dB] |
| 5180                   | 37       | -6.03                     | 2.95            | 10.01            | 0.98             | 4.07               | 7.91   | 6.18 | 23.97                  | 16.06       | -           | -           | 11.98  | 15.77 | 29.97                  | 17.99       | 22.55       | 10.57       |
|                        | 40       | -5.95                     | 2.95            | 10.01            | 0.98             | 4.07               | 7.99   | 6.29 | 23.97                  | 16.06       | -           | -           | 12.06  | 16.06 | 29.97                  | 17.91       | 22.55       | 10.49       |
| 5220                   | 37       | -5.92                     | 2.95            | 10.01            | 0.98             | 4.07               | 8.02   | 6.34 | 23.97                  | 15.95       | -           | -           | 12.09  | 16.18 | 29.97                  | 17.88       | 22.55       | 10.46       |
|                        | 40       | -5.86                     | 2.95            | 10.01            | 0.98             | 4.07               | 8.08   | 6.42 | 23.97                  | 15.95       | -           | -           | 12.15  | 16.40 | 29.97                  | 17.82       | 22.55       | 10.40       |
| 5240                   | 37       | -5.53                     | 2.95            | 10.01            | 0.98             | 4.07               | 8.41   | 6.93 | 23.97                  | 15.56       | -           | -           | 12.48  | 17.70 | 29.97                  | 17.49       | 22.55       | 10.07       |
|                        | 40       | -5.45                     | 2.95            | 10.01            | 0.98             | 4.07               | 8.49   | 7.06 | 23.97                  | 15.56       | -           | -           | 12.56  | 18.02 | 29.97                  | 17.41       | 22.55       | 9.99        |
| 5260                   | 37       | -5.87                     | 2.95            | 10.01            | 0.98             | 4.07               | 8.07   | 6.41 | 23.97                  | 15.90       | 23.55       | 15.48       | 12.14  | 16.36 | 29.97                  | 17.83       | 29.55       | 17.41       |
|                        | 40       | -5.75                     | 2.95            | 10.01            | 0.98             | 4.07               | 8.19   | 6.59 | 23.97                  | 15.90       | 23.55       | 15.48       | 12.26  | 16.82 | 29.97                  | 17.71       | 29.55       | 17.29       |
| 5300                   | 37       | -6.41                     | 2.96            | 10.01            | 0.98             | 4.07               | 7.54   | 5.67 | 23.97                  | 16.43       | 23.55       | 16.01       | 11.61  | 14.48 | 29.97                  | 18.36       | 29.55       | 17.94       |
|                        | 40       | -6.25                     | 2.96            | 10.01            | 0.98             | 4.07               | 7.70   | 5.89 | 23.97                  | 16.43       | 23.55       | 16.01       | 11.77  | 15.03 | 29.97                  | 18.20       | 29.55       | 17.78       |
| 5320                   | 37       | -5.75                     | 2.96            | 10.01            | 0.98             | 4.07               | 8.20   | 6.60 | 23.97                  | 15.77       | 23.55       | 15.35       | 12.27  | 16.86 | 29.97                  | 17.70       | 29.55       | 17.28       |
|                        | 40       | -5.60                     | 2.96            | 10.01            | 0.98             | 4.07               | 8.35   | 6.84 | 23.97                  | 15.77       | 23.55       | 15.35       | 12.42  | 17.45 | 29.97                  | 17.55       | 29.55       | 17.13       |
| 5500                   | 37       | -5.89                     | 2.98            | 10.01            | 0.98             | 4.07               | 8.08   | 6.42 | 23.97                  | 15.89       | 23.55       | 15.47       | 12.15  | 16.40 | 29.97                  | 17.82       | 29.55       | 17.40       |
|                        | 40       | -5.80                     | 2.98            | 10.01            | 0.98             | 4.07               | 8.17   | 6.56 | 23.97                  | 15.89       | 23.55       | 15.47       | 12.24  | 16.74 | 29.97                  | 17.73       | 29.55       | 17.31       |
| 5580                   | 37       | -5.75                     | 2.98            | 10.01            | 0.98             | 4.07               | 8.22   | 6.64 | 23.97                  | 15.75       | 23.55       | 15.33       | 12.29  | 16.94 | 29.97                  | 17.68       | 29.55       | 17.26       |
|                        | 40       | -5.74                     | 2.98            | 10.01            | 0.98             | 4.07               | 8.23   | 6.65 | 23.97                  | 15.75       | 23.55       | 15.33       | 12.30  | 16.98 | 29.97                  | 17.67       | 29.55       | 17.25       |
| 5700                   | 37       | -6.18                     | 2.99            | 10.01            | 0.98             | 4.07               | 7.80   | 6.02 | 23.97                  | 16.17       | 23.55       | 15.75       | 11.87  | 15.38 | 29.97                  | 18.10       | 29.55       | 17.68       |
|                        | 40       | -6.16                     | 2.99            | 10.01            | 0.98             | 4.07               | 7.82   | 6.05 | 23.97                  | 16.17       | 23.55       | 15.75       | 11.89  | 15.45 | 29.97                  | 18.08       | 29.55       | 17.66       |
| 5745                   | 37       | -7.47                     | 3.00            | 10.01            | 0.98             | 4.07               | 6.52   | 4.49 | 30.00                  | 23.48       | 30.00       | 23.48       | 10.59  | 11.45 | 36.00                  | 25.41       | 36.00       | 25.41       |
|                        | 40       | -7.38                     | 3.00            | 10.01            | 0.98             | 4.07               | 6.61   | 4.58 | 30.00                  | 23.48       | 30.00       | 23.48       | 10.68  | 11.69 | 36.00                  | 25.32       | 36.00       | 25.32       |
| 5785                   | 37       | -6.91                     | 3.00            | 10.01            | 0.98             | 4.07               | 7.08   | 5.10 | 30.00                  | 22.92       | 30.00       | 22.92       | 11.15  | 13.03 | 36.00                  | 24.85       | 36.00       | 24.85       |
|                        | 40       | -8.86                     | 3.00            | 10.01            | 0.98             | 4.07               | 5.13   | 3.26 | 30.00                  | 22.92       | 30.00       | 22.92       | 9.20   | 8.32  | 36.00                  | 26.80       | 36.00       | 26.80       |
| 5825                   | 37       | -7.18                     | 3.00            | 10.01            | 0.98             | 4.07               | 6.81   | 4.80 | 30.00                  | 23.19       | 30.00       | 23.19       | 10.88  | 12.24 | 36.00                  | 25.12       | 36.00       | 25.12       |
|                        | 40       | -7.12                     | 3.00            | 10.01            | 0.98             | 4.07               | 6.87   | 4.86 | 30.00                  | 23.19       | 30.00       | 23.19       | 10.94  | 12.41 | 36.00                  | 25.06       | 36.00       | 25.06       |

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor

e.i.r.p. Result = Conducted Power Result + Antenna Gain

15.407 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

For all test frequencies, B was applied the minimum value (19.954 MHz) as conservative limit.

RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

e.i.r.p. Limit (5150 MHz-5250 MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (18.021 MHz) as conservative limit.

## Maximum Conducted Output Power

Test place Shonan EMC Lab. No.1 Measurement Room  
Date November 1, 2023 November 24, 2023 January 31, 2024 July 9, 2024  
Temperature / Humidity 25deg. C / 39 RH 22 deg. C / 46 % RH 23 deg. C / 50 % RH 23 deg. C / 37 % RH  
Engineer Kazuya Noda Yusuke Tanikawara Kazuya Noda Kouki Yamada  
Mode Tx, Ant 2

11ax-20 (OFDMA) (SISO) 242-tone

| Tested Frequency [MHz] | RU Index | Power Meter Reading [dBm] | Cable Loss [dB] | Atten. Loss [dB] | Duty Factor [dB] | Antenna Gain [dBi] | Result      |             | FCC 15.407  |             | RSS-247     |             | Result       |              | e.i.r.p.    |             | FCC 15.407  |             | RSS-247     |             |
|------------------------|----------|---------------------------|-----------------|------------------|------------------|--------------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|-------------|-------------|-------------|-------------|-------------|-------------|
|                        |          |                           |                 |                  |                  |                    | [dBm]       | [mW]        | Limit [dBm] | Margin [dB] | Limit [dBm] | Margin [dB] | [dBm]        | [mW]         | Limit [dBm] | Margin [dB] | Limit [dBm] | Margin [dB] | Limit [dBm] | Margin [dB] |
| 5180                   | 61       | -6.39                     | 2.95            | 10.01            | 1.37             | 4.07               | 7.94        | 6.22        | 23.97       | 16.03       | -           | -           | 12.01        | 15.87        | 29.97       | 17.96       | 22.77       | 10.76       |             |             |
| 5220                   | 61       | -6.28                     | 2.95            | 10.01            | 1.37             | 4.07               | 8.05        | 6.38        | 23.97       | 15.92       | -           | -           | 12.12        | 16.28        | 29.97       | 17.85       | 22.77       | 10.65       |             |             |
| 5240                   | 61       | -6.03                     | 2.95            | 10.01            | 1.37             | 4.07               | <b>8.30</b> | <b>6.75</b> | 23.97       | 15.67       | -           | -           | <b>12.37</b> | <b>17.24</b> | 29.97       | 17.60       | 22.77       | 10.40       |             |             |
| 5260                   | 61       | -6.16                     | 2.95            | 10.01            | 1.37             | 4.07               | 8.17        | 6.56        | 23.97       | 15.80       | 23.77       | 15.60       | 12.24        | 16.73        | 29.97       | 17.73       | 29.77       | 17.53       |             |             |
| 5300                   | 61       | -6.49                     | 2.96            | 10.01            | 1.37             | 4.07               | 7.85        | 6.09        | 23.97       | 16.12       | 23.77       | 15.92       | 11.92        | 15.54        | 29.97       | 18.05       | 29.77       | 17.85       |             |             |
| 5320                   | 61       | -6.03                     | 2.96            | 10.01            | 1.37             | 4.07               | <b>8.31</b> | <b>6.77</b> | 23.97       | 15.66       | 23.77       | 15.46       | <b>12.38</b> | <b>17.28</b> | 29.97       | 17.59       | 29.77       | 17.39       |             |             |
| 5500                   | 61       | -6.33                     | 2.98            | 10.01            | 1.37             | 4.07               | 8.03        | 6.35        | 23.97       | 15.94       | 23.77       | 15.74       | 12.10        | 16.20        | 29.97       | 17.87       | 29.77       | 17.67       |             |             |
| 5580                   | 61       | -6.14                     | 2.98            | 10.01            | 1.37             | 4.07               | <b>8.22</b> | <b>6.63</b> | 23.97       | 15.75       | 23.77       | 15.55       | <b>12.29</b> | <b>16.93</b> | 29.97       | 17.68       | 29.77       | 17.48       |             |             |
| 5700                   | 61       | -6.69                     | 2.99            | 10.01            | 1.37             | 4.07               | 7.68        | 5.86        | 23.97       | 16.29       | 23.77       | 16.09       | 11.75        | 14.95        | 29.97       | 18.22       | 29.77       | 18.02       |             |             |
| 5745                   | 61       | -7.85                     | 3.00            | 10.01            | 1.37             | 4.07               | 6.53        | 4.49        | 30.00       | 23.47       | 30.00       | 23.47       | 10.60        | 11.47        | 36.00       | 25.40       | 36.00       | 25.40       |             |             |
| 5785                   | 61       | -7.54                     | 3.00            | 10.01            | 1.37             | 4.07               | 6.84        | 4.83        | 30.00       | 23.16       | 30.00       | 23.16       | 10.91        | 12.32        | 36.00       | 25.09       | 36.00       | 25.09       |             |             |
| 5825                   | 61       | -7.52                     | 3.00            | 10.01            | 1.37             | 4.07               | <b>6.86</b> | <b>4.85</b> | 30.00       | 23.14       | 30.00       | 23.14       | <b>10.93</b> | <b>12.38</b> | 36.00       | 25.07       | 36.00       | 25.07       |             |             |

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor

e.i.r.p. Result = Conducted Power Result + Antenna Gain

15.407 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

For all test frequencies, B was applied the minimum value (30.191 MHz) as conservative limit.

RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

e.i.r.p. Limit (5150 MHz-5250 MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (18.954 MHz) as conservative limit.

### Maximum Conducted Output Power

|                        |                                       |                     |                     |                     |
|------------------------|---------------------------------------|---------------------|---------------------|---------------------|
| Test place             | Shonan EMC Lab. No.1 Measurement Room |                     |                     |                     |
| Date                   | November 1, 2023                      | November 24, 2023   | January 31, 2024    | July 9, 2024        |
| Temperature / Humidity | 25deg. C / 39 RH                      | 22 deg. C / 46 % RH | 23 deg. C / 50 % RH | 23 deg. C / 37 % RH |
| Engineer               | Kazuya Noda                           | Yusuke Tanikawara   | Kazuya Noda         | Kouki Yamada        |
| Mode                   | Tx, Ant 2                             |                     |                     |                     |

### 11ax-40 (OFDMA) (SISO) 26-tone

| Tested Frequency | RU Index | Power Meter Reading [dBm] | Cable Loss [dB] | Atten. Loss [dB] | Duty Factor [dB] | Antenna Gain [dB] | Conducted Power |      |             |             |             |             |        |       | e.i.r.p.    |             |             |             |  |  |  |  |
|------------------|----------|---------------------------|-----------------|------------------|------------------|-------------------|-----------------|------|-------------|-------------|-------------|-------------|--------|-------|-------------|-------------|-------------|-------------|--|--|--|--|
|                  |          |                           |                 |                  |                  |                   | Result          |      | FCC 15.407  |             | RSS-247     |             | Result |       | FCC 15.407  |             | RSS-247     |             |  |  |  |  |
|                  |          |                           |                 |                  |                  |                   | [dBm]           | [mW] | Limit [dBm] | Margin [dB] | Limit [dBm] | Margin [dB] | [dBm]  | [mW]  | Limit [dBm] | Margin [dB] | Limit [dBm] | Margin [dB] |  |  |  |  |
| [MHz]            |          |                           |                 |                  |                  |                   |                 |      |             |             |             |             |        |       |             |             |             |             |  |  |  |  |
| 5190             | 0        | -9.45                     | 2.95            | 10.01            | 0.37             | 4.07              | 3.88            | 2.45 | 23.97       | 20.09       | -           | -           | 7.95   | 6.24  | 29.97       | 22.02       | 22.56       | 14.61       |  |  |  |  |
|                  | 8        | -9.37                     | 2.95            | 10.01            | 0.37             | 4.07              | 3.96            | 2.49 | 23.97       | 20.09       | -           | -           | 8.03   | 6.36  | 29.97       | 21.94       | 22.56       | 14.53       |  |  |  |  |
|                  | 17       | -9.72                     | 2.95            | 10.01            | 0.37             | 4.07              | 3.61            | 2.30 | 23.97       | 20.09       | -           | -           | 7.68   | 5.87  | 29.97       | 22.29       | 22.56       | 14.88       |  |  |  |  |
|                  | 0        | -10.14                    | 2.95            | 10.01            | 0.37             | 4.07              | 3.19            | 2.09 | 23.97       | 20.78       | -           | -           | 7.26   | 5.33  | 29.97       | 22.71       | 22.56       | 15.30       |  |  |  |  |
| 5230             | 8        | -9.73                     | 2.95            | 10.01            | 0.37             | 4.07              | 3.60            | 2.29 | 23.97       | 20.78       | -           | -           | 7.67   | 5.85  | 29.97       | 22.30       | 22.56       | 14.89       |  |  |  |  |
|                  | 17       | -9.98                     | 2.95            | 10.01            | 0.37             | 4.07              | 3.35            | 2.17 | 23.97       | 20.78       | -           | -           | 7.42   | 5.53  | 29.97       | 22.55       | 22.56       | 15.14       |  |  |  |  |
| 5270             | 0        | -12.91                    | 2.96            | 10.01            | 0.37             | 4.07              | 0.43            | 1.11 | 23.74       | 23.31       | 23.56       | 23.13       | 4.50   | 2.82  | 29.97       | 25.47       | 29.56       | 25.06       |  |  |  |  |
|                  | 8        | -12.33                    | 2.96            | 10.01            | 0.37             | 4.07              | 1.01            | 1.26 | 23.74       | 23.31       | 23.56       | 23.13       | 5.08   | 3.22  | 29.97       | 24.89       | 29.56       | 24.48       |  |  |  |  |
|                  | 17       | -12.49                    | 2.96            | 10.01            | 0.37             | 4.07              | 0.85            | 1.22 | 23.74       | 23.31       | 23.56       | 23.13       | 4.92   | 3.11  | 29.97       | 25.05       | 29.56       | 24.64       |  |  |  |  |
| 5310             | 0        | -12.97                    | 2.96            | 10.01            | 0.37             | 4.07              | 0.37            | 1.09 | 23.74       | 23.37       | 23.56       | 23.19       | 4.44   | 2.78  | 29.97       | 25.53       | 29.56       | 25.12       |  |  |  |  |
|                  | 8        | -12.22                    | 2.96            | 10.01            | 0.37             | 4.07              | 1.12            | 1.30 | 23.74       | 23.37       | 23.56       | 23.19       | 5.19   | 3.31  | 29.97       | 24.78       | 29.56       | 24.37       |  |  |  |  |
|                  | 17       | -12.43                    | 2.96            | 10.01            | 0.37             | 4.07              | 0.91            | 1.23 | 23.74       | 23.37       | 23.56       | 23.19       | 4.98   | 3.15  | 29.97       | 24.99       | 29.56       | 24.58       |  |  |  |  |
| 5510             | 0        | -9.65                     | 2.98            | 10.01            | 0.37             | 4.07              | 3.71            | 2.35 | 23.74       | 20.03       | 23.56       | 19.85       | 7.78   | 6.00  | 29.97       | 22.19       | 29.56       | 21.78       |  |  |  |  |
|                  | 8        | -9.17                     | 2.98            | 10.01            | 0.37             | 4.07              | 4.19            | 2.63 | 23.74       | 20.03       | 23.56       | 19.85       | 8.26   | 6.71  | 29.97       | 21.71       | 29.56       | 21.30       |  |  |  |  |
|                  | 17       | -9.46                     | 2.98            | 10.01            | 0.37             | 4.07              | 3.90            | 2.46 | 23.74       | 20.03       | 23.56       | 19.85       | 7.97   | 6.27  | 29.97       | 22.00       | 29.56       | 21.59       |  |  |  |  |
| 5550             | 0        | -9.91                     | 2.98            | 10.01            | 0.37             | 4.07              | 3.45            | 2.22 | 23.74       | 20.29       | 23.56       | 20.11       | 7.52   | 5.66  | 29.97       | 22.45       | 29.56       | 22.04       |  |  |  |  |
|                  | 8        | -9.42                     | 2.98            | 10.01            | 0.37             | 4.07              | 3.94            | 2.48 | 23.74       | 20.29       | 23.56       | 20.11       | 8.01   | 6.33  | 29.97       | 21.96       | 29.56       | 21.55       |  |  |  |  |
|                  | 17       | -9.74                     | 2.98            | 10.01            | 0.37             | 4.07              | 3.62            | 2.30 | 23.74       | 20.29       | 23.56       | 20.11       | 7.69   | 5.88  | 29.97       | 22.28       | 29.56       | 21.87       |  |  |  |  |
|                  | 0        | -9.75                     | 2.99            | 10.01            | 0.37             | 4.07              | 3.62            | 2.30 | 23.74       | 20.12       | 23.56       | 19.94       | 7.69   | 5.88  | 29.97       | 22.28       | 29.56       | 21.87       |  |  |  |  |
| 5670             | 8        | -9.38                     | 2.99            | 10.01            | 0.37             | 4.07              | 3.99            | 2.51 | 23.74       | 20.12       | 23.56       | 19.94       | 8.06   | 6.40  | 29.97       | 21.91       | 29.56       | 21.50       |  |  |  |  |
|                  | 17       | -9.77                     | 2.99            | 10.01            | 0.37             | 4.07              | 3.60            | 2.29 | 23.74       | 20.12       | 23.56       | 19.94       | 7.67   | 5.85  | 29.97       | 22.30       | 29.56       | 21.89       |  |  |  |  |
| 5755             | 0        | -6.85                     | 3.00            | 10.01            | 0.37             | 4.07              | 6.53            | 4.50 | 30.00       | 23.47       | 30.00       | 23.47       | 10.60  | 11.49 | 36.00       | 25.40       | 36.00       | 25.40       |  |  |  |  |
|                  | 8        | -6.61                     | 3.00            | 10.01            | 0.37             | 4.07              | 6.77            | 4.76 | 30.00       | 23.47       | 30.00       | 23.47       | 10.84  | 12.15 | 36.00       | 25.16       | 36.00       | 25.16       |  |  |  |  |
|                  | 17       | -6.81                     | 3.00            | 10.01            | 0.37             | 4.07              | 6.57            | 4.54 | 30.00       | 23.47       | 30.00       | 23.47       | 10.64  | 11.60 | 36.00       | 25.36       | 36.00       | 25.36       |  |  |  |  |
| 5795             | 0        | -6.48                     | 3.00            | 10.01            | 0.37             | 4.07              | 6.90            | 4.90 | 30.00       | 23.10       | 30.00       | 23.10       | 10.97  | 12.52 | 36.00       | 25.03       | 36.00       | 25.03       |  |  |  |  |
|                  | 8        | -6.07                     | 3.00            | 10.01            | 0.37             | 4.07              | 7.31            | 5.39 | 30.00       | 23.10       | 30.00       | 23.10       | 11.38  | 13.76 | 36.00       | 24.62       | 36.00       | 24.62       |  |  |  |  |
|                  | 17       | -6.40                     | 3.00            | 10.01            | 0.37             | 4.07              | 6.98            | 4.99 | 30.00       | 23.10       | 30.00       | 23.10       | 11.05  | 12.75 | 36.00       | 24.95       | 36.00       | 24.95       |  |  |  |  |

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor

e.i.r.p. Result = Conducted Power Result + Antenna Gain

## 15.407 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or  $(11 + 10\log B)$  dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

For all test frequencies, B was applied the minimum value (18.819 MHz) as conservative limit.

## RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or  $(11 + 10\log B)$  dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

e.i.r.p. Limit (5150 MHz-5250 MHz) = 200mW or  $(10 + 10\log B)$  dBm, whichever is lower

e.i.r.p. Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 1W or  $(17 + 10\log B)$  dBm, whichever is lower

For all test frequencies, B was applied the minimum value (18.043 MHz) as conservative limit.

## Maximum Conducted Output Power

|                        |                                       |                     |                     |                     |
|------------------------|---------------------------------------|---------------------|---------------------|---------------------|
| Test place             | Shonan EMC Lab. No.1 Measurement Room |                     |                     |                     |
| Date                   | November 1, 2023                      | November 24, 2023   | January 31, 2024    | July 9, 2024        |
| Temperature / Humidity | 25deg. C / 39 RH                      | 22 deg. C / 46 % RH | 23 deg. C / 50 % RH | 23 deg. C / 37 % RH |
| Engineer               | Kazuya Noda                           | Yusuke Tanikawara   | Kazuya Noda         | Kouki Yamada        |
| Mode                   | Tx, Ant 2                             |                     |                     |                     |

11ax-40 (OFDMA) (SISO) 52-tone

| Tested Frequency | RU Index | Power Meter Reading | Cable Loss | Atten. Loss | Duty Factor | Antenna Gain | Conducted Power |             |             |             |             |             | e.i.r.p.     |              |             |             |             |             |
|------------------|----------|---------------------|------------|-------------|-------------|--------------|-----------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|-------------|-------------|-------------|-------------|
|                  |          |                     |            |             |             |              | Result          |             | FCC 15.407  |             | RSS-247     |             | Result       |              | FCC 15.407  |             | RSS-247     |             |
| [MHz]            |          | [dBm]               | [dB]       | [dB]        | [dB]        | [dBi]        | [dBm]           | [mW]        | Limit [dBm] | Margin [dB] | Limit [dBm] | Margin [dB] | [dBm]        | [mW]         | Limit [dBm] | Margin [dB] | Limit [dBm] | Margin [dB] |
| 5190             | 37       | -7.08               | 2.95       | 10.01       | 0.61        | 4.07         | 6.49            | 4.46        | 23.97       | 17.48       | -           | -           | 10.56        | 11.38        | 29.97       | 19.41       | 22.53       | 11.97       |
|                  | 40       | -6.69               | 2.95       | 10.01       | 0.61        | 4.07         | <b>6.88</b>     | <b>4.88</b> | 23.97       | 17.48       | -           | -           | <b>10.95</b> | <b>12.45</b> | 29.97       | 19.02       | 22.53       | 11.58       |
|                  | 44       | -6.96               | 2.95       | 10.01       | 0.61        | 4.07         | 6.61            | 4.58        | 23.97       | 17.48       | -           | -           | 10.68        | 11.70        | 29.97       | 19.29       | 22.53       | 11.85       |
| 5230             | 37       | -7.22               | 2.95       | 10.01       | 0.61        | 4.07         | 6.35            | 4.32        | 23.97       | 17.62       | -           | -           | 10.42        | 11.02        | 29.97       | 19.55       | 22.53       | 12.11       |
|                  | 40       | -6.79               | 2.95       | 10.01       | 0.61        | 4.07         | 6.78            | 4.77        | 23.97       | 17.62       | -           | -           | 10.85        | 12.17        | 29.97       | 19.12       | 22.53       | 11.68       |
|                  | 44       | -7.05               | 2.95       | 10.01       | 0.61        | 4.07         | 6.52            | 4.49        | 23.97       | 17.62       | -           | -           | 10.59        | 11.46        | 29.97       | 19.38       | 22.53       | 11.94       |
| 5270             | 37       | -9.96               | 2.96       | 10.01       | 0.61        | 4.07         | 3.62            | 2.30        | 23.77       | 20.15       | 23.53       | 19.91       | 7.69         | 5.88         | 29.97       | 22.28       | 29.53       | 21.84       |
|                  | 40       | -9.49               | 2.96       | 10.01       | 0.61        | 4.07         | <b>4.09</b>     | <b>2.57</b> | 23.77       | 20.15       | 23.53       | 19.91       | <b>8.16</b>  | <b>6.55</b>  | 29.97       | 21.81       | 29.53       | 21.37       |
|                  | 44       | -9.63               | 2.96       | 10.01       | 0.61        | 4.07         | 3.95            | 2.48        | 23.77       | 20.15       | 23.53       | 19.91       | 8.02         | 6.34         | 29.97       | 21.95       | 29.53       | 21.51       |
| 5310             | 37       | -9.97               | 2.96       | 10.01       | 0.61        | 4.07         | 3.61            | 2.30        | 23.77       | 20.16       | 23.53       | 19.92       | 7.68         | 5.87         | 29.97       | 22.29       | 29.53       | 21.85       |
|                  | 40       | -9.52               | 2.96       | 10.01       | 0.61        | 4.07         | 4.06            | 2.55        | 23.77       | 20.16       | 23.53       | 19.92       | 8.13         | 6.51         | 29.97       | 21.84       | 29.53       | 21.40       |
|                  | 44       | -9.57               | 2.96       | 10.01       | 0.61        | 4.07         | 4.01            | 2.52        | 23.77       | 20.16       | 23.53       | 19.92       | 8.08         | 6.43         | 29.97       | 21.89       | 29.53       | 21.45       |
| 5510             | 37       | -6.69               | 2.98       | 10.01       | 0.61        | 4.07         | 6.91            | 4.91        | 23.77       | 16.86       | 23.53       | 16.62       | 10.98        | 12.54        | 29.97       | 18.99       | 29.53       | 18.55       |
|                  | 40       | -6.22               | 2.98       | 10.01       | 0.61        | 4.07         | <b>7.38</b>     | <b>5.47</b> | 23.77       | 16.86       | 23.53       | 16.62       | <b>11.45</b> | <b>13.97</b> | 29.97       | 18.52       | 29.53       | 18.08       |
|                  | 44       | -6.45               | 2.98       | 10.01       | 0.61        | 4.07         | 7.15            | 5.19        | 23.77       | 16.86       | 23.53       | 16.62       | 11.22        | 13.25        | 29.97       | 18.75       | 29.53       | 18.31       |
| 5550             | 37       | -6.93               | 2.98       | 10.01       | 0.61        | 4.07         | 6.67            | 4.65        | 23.77       | 17.10       | 23.53       | 16.86       | 10.74        | 11.87        | 29.97       | 19.23       | 29.53       | 18.79       |
|                  | 40       | -6.61               | 2.98       | 10.01       | 0.61        | 4.07         | 6.99            | 5.00        | 23.77       | 17.10       | 23.53       | 16.86       | 11.06        | 12.77        | 29.97       | 18.91       | 29.53       | 18.47       |
|                  | 44       | -6.83               | 2.98       | 10.01       | 0.61        | 4.07         | 6.77            | 4.76        | 23.77       | 17.10       | 23.53       | 16.86       | 10.84        | 12.14        | 29.97       | 19.13       | 29.53       | 18.69       |
| 5670             | 37       | -6.83               | 2.99       | 10.01       | 0.61        | 4.07         | 6.78            | 4.77        | 23.77       | 16.99       | 23.53       | 16.75       | 10.85        | 12.17        | 29.97       | 19.12       | 29.53       | 18.68       |
|                  | 40       | -6.44               | 2.99       | 10.01       | 0.61        | 4.07         | 7.17            | 5.22        | 23.77       | 16.99       | 23.53       | 16.75       | 11.24        | 13.31        | 29.97       | 18.73       | 29.53       | 18.29       |
|                  | 44       | -6.86               | 2.99       | 10.01       | 0.61        | 4.07         | 6.75            | 4.73        | 23.77       | 16.99       | 23.53       | 16.75       | 10.82        | 12.09        | 29.97       | 19.15       | 29.53       | 18.71       |
| 5755             | 37       | -7.09               | 3.00       | 10.01       | 0.61        | 4.07         | 6.53            | 4.50        | 30.00       | 23.47       | 30.00       | 23.47       | 10.60        | 11.49        | 36.00       | 25.40       | 36.00       | 25.40       |
|                  | 40       | -6.91               | 3.00       | 10.01       | 0.61        | 4.07         | 6.71            | 4.69        | 30.00       | 23.47       | 30.00       | 23.47       | 10.78        | 11.98        | 36.00       | 25.22       | 36.00       | 25.22       |
|                  | 44       | -7.11               | 3.00       | 10.01       | 0.61        | 4.07         | 6.51            | 4.48        | 30.00       | 23.47       | 30.00       | 23.47       | 10.58        | 11.44        | 36.00       | 25.42       | 36.00       | 25.42       |
| 5795             | 37       | -6.55               | 3.00       | 10.01       | 0.61        | 4.07         | 7.07            | 5.10        | 30.00       | 22.93       | 30.00       | 22.93       | 11.14        | 13.01        | 36.00       | 24.86       | 36.00       | 24.86       |
|                  | 40       | -6.28               | 3.00       | 10.01       | 0.61        | 4.07         | <b>7.34</b>     | <b>5.42</b> | 30.00       | 22.93       | 30.00       | 22.93       | <b>11.41</b> | <b>13.85</b> | 36.00       | 24.59       | 36.00       | 24.59       |
|                  | 44       | -6.60               | 3.00       | 10.01       | 0.61        | 4.07         | 7.02            | 5.04        | 30.00       | 22.93       | 30.00       | 22.93       | 11.09        | 12.86        | 36.00       | 24.91       | 36.00       | 24.91       |

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor

e.i.r.p. Result = Conducted Power Result + Antenna Gain

15.407 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

For all test frequencies, B was applied the minimum value (18.967 MHz) as conservative limit.

RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

e.i.r.p. Limit (5150 MHz-5250 MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (17.919 MHz) as conservative limit.

## Maximum Conducted Output Power

Test place  
Date  
Temperature / Humidity  
Engineer  
Mode

Shonan EMC Lab. No.1 Measurement Room  
November 1, 2023 January 31, 2024  
25deg. C / 39 RH 23 deg. C / 50 % RH  
Kazuya Noda Kazuya Noda  
Tx, Ant 2

### 11ax-40 (OFDMA) (SISO) 106-tone

| Tested Frequency [MHz] | RU Index | Power Meter Reading [dBm] | Cable Loss [dB] | Atten. Loss [dB] | Duty Factor [dB] | Antenna Gain [dBi] | Result      |             | Conducted Power        |             | RSS-247     |             | Result       |              | e.i.r.p.               |             | RSS-247     |             |
|------------------------|----------|---------------------------|-----------------|------------------|------------------|--------------------|-------------|-------------|------------------------|-------------|-------------|-------------|--------------|--------------|------------------------|-------------|-------------|-------------|
|                        |          |                           |                 |                  |                  |                    | [dBm]       | [mW]        | FCC 15.407 Limit [dBm] | Margin [dB] | Limit [dBm] | Margin [dB] | [dBm]        | [mW]         | FCC 15.407 Limit [dBm] | Margin [dB] | Limit [dBm] | Margin [dB] |
| 5190                   | 53       | -6.19                     | 2.95            | 10.01            | 0.94             | 4.07               | 7.71        | 5.90        | 23.97                  | 16.26       | -           | -           | 11.78        | 15.07        | 29.97                  | 18.19       | 22.49       | 10.71       |
|                        | 54       | -5.94                     | 2.95            | 10.01            | 0.94             | 4.07               | 7.96        | 6.25        | 23.97                  | 16.26       | -           | -           | 12.03        | 15.97        | 29.97                  | 17.94       | 22.49       | 10.46       |
|                        | 56       | -6.05                     | 2.95            | 10.01            | 0.94             | 4.07               | 7.85        | 6.10        | 23.97                  | 16.26       | -           | -           | 11.92        | 15.57        | 29.97                  | 18.05       | 22.49       | 10.57       |
| 5230                   | 53       | -5.67                     | 2.95            | 10.01            | 0.94             | 4.07               | 8.23        | 6.66        | 23.97                  | 15.74       | -           | -           | 12.30        | 16.99        | 29.97                  | 17.67       | 22.49       | 10.19       |
|                        | 54       | -5.48                     | 2.95            | 10.01            | 0.94             | 4.07               | <b>8.42</b> | <b>6.95</b> | 23.97                  | 15.74       | -           | -           | <b>12.49</b> | <b>17.75</b> | 29.97                  | 17.48       | 22.49       | 10.00       |
|                        | 56       | -5.60                     | 2.95            | 10.01            | 0.94             | 4.07               | 8.30        | 6.76        | 23.97                  | 15.74       | -           | -           | 12.37        | 17.27        | 29.97                  | 17.60       | 22.49       | 10.12       |
| 5270                   | 53       | -7.01                     | 2.96            | 10.01            | 0.94             | 4.07               | 6.90        | 4.90        | 23.80                  | 16.90       | 23.49       | 16.59       | 10.97        | 12.51        | 29.97                  | 19.00       | 29.49       | 18.52       |
|                        | 54       | -6.89                     | 2.96            | 10.01            | 0.94             | 4.07               | <b>7.02</b> | <b>5.04</b> | 23.80                  | 16.90       | 23.49       | 16.59       | <b>11.09</b> | <b>12.86</b> | 29.97                  | 18.88       | 29.49       | 18.40       |
|                        | 56       | -6.97                     | 2.96            | 10.01            | 0.94             | 4.07               | 6.94        | 4.95        | 23.80                  | 16.90       | 23.49       | 16.59       | 11.01        | 12.62        | 29.97                  | 18.96       | 29.49       | 18.48       |
| 5310                   | 53       | -7.40                     | 2.96            | 10.01            | 0.94             | 4.07               | 6.51        | 4.48        | 23.80                  | 17.29       | 23.49       | 16.98       | 10.58        | 11.43        | 29.97                  | 19.39       | 29.49       | 18.91       |
|                        | 54       | -7.11                     | 2.96            | 10.01            | 0.94             | 4.07               | 6.80        | 4.79        | 23.80                  | 17.29       | 23.49       | 16.98       | 10.87        | 12.22        | 29.97                  | 19.10       | 29.49       | 18.62       |
|                        | 56       | -7.07                     | 2.96            | 10.01            | 0.94             | 4.07               | 6.84        | 4.83        | 23.80                  | 17.29       | 23.49       | 16.98       | 10.91        | 12.34        | 29.97                  | 19.06       | 29.49       | 18.58       |
| 5510                   | 53       | -6.04                     | 2.98            | 10.01            | 0.94             | 4.07               | 7.89        | 6.15        | 23.80                  | 15.91       | 23.49       | 15.60       | 11.96        | 15.71        | 29.97                  | 18.01       | 29.49       | 17.53       |
|                        | 54       | -5.76                     | 2.98            | 10.01            | 0.94             | 4.07               | <b>8.17</b> | <b>6.56</b> | 23.80                  | 15.91       | 23.49       | 15.60       | <b>12.24</b> | <b>16.76</b> | 29.97                  | 17.73       | 29.49       | 17.25       |
|                        | 56       | -5.88                     | 2.98            | 10.01            | 0.94             | 4.07               | 8.05        | 6.39        | 23.80                  | 15.91       | 23.49       | 15.60       | 12.12        | 16.30        | 29.97                  | 17.85       | 29.49       | 17.37       |
| 5550                   | 53       | -6.16                     | 2.98            | 10.01            | 0.94             | 4.07               | 7.77        | 5.99        | 23.80                  | 16.03       | 23.49       | 15.72       | 11.84        | 15.28        | 29.97                  | 18.13       | 29.49       | 17.65       |
|                        | 54       | -5.96                     | 2.98            | 10.01            | 0.94             | 4.07               | 7.97        | 6.27        | 23.80                  | 16.03       | 23.49       | 15.72       | 12.04        | 16.00        | 29.97                  | 17.93       | 29.49       | 17.45       |
|                        | 56       | -6.12                     | 2.98            | 10.01            | 0.94             | 4.07               | 7.81        | 6.04        | 23.80                  | 16.03       | 23.49       | 15.72       | 11.88        | 15.42        | 29.97                  | 18.09       | 29.49       | 17.61       |
| 5670                   | 53       | -6.23                     | 2.99            | 10.01            | 0.94             | 4.07               | 7.71        | 5.90        | 23.80                  | 16.09       | 23.49       | 15.78       | 11.78        | 15.07        | 29.97                  | 18.19       | 29.49       | 17.71       |
|                        | 54       | -6.02                     | 2.99            | 10.01            | 0.94             | 4.07               | 7.92        | 6.20        | 23.80                  | 16.09       | 23.49       | 15.78       | 11.99        | 15.82        | 29.97                  | 17.98       | 29.49       | 17.50       |
|                        | 56       | -6.18                     | 2.99            | 10.01            | 0.94             | 4.07               | 7.76        | 5.97        | 23.80                  | 16.09       | 23.49       | 15.78       | 11.83        | 15.25        | 29.97                  | 18.14       | 29.49       | 17.66       |
| 5755                   | 53       | -7.36                     | 3.00            | 10.01            | 0.94             | 4.07               | 6.59        | 4.56        | 30.00                  | 23.41       | 30.00       | 23.41       | 10.66        | 11.65        | 36.00                  | 25.34       | 36.00       | 25.34       |
|                        | 54       | -7.16                     | 3.00            | 10.01            | 0.94             | 4.07               | 6.79        | 4.78        | 30.00                  | 23.41       | 30.00       | 23.41       | 10.86        | 12.20        | 36.00                  | 25.14       | 36.00       | 25.14       |
|                        | 56       | -7.23                     | 3.00            | 10.01            | 0.94             | 4.07               | 6.72        | 4.70        | 30.00                  | 23.41       | 30.00       | 23.41       | 10.79        | 12.00        | 36.00                  | 25.21       | 36.00       | 25.21       |
| 5795                   | 53       | -6.98                     | 3.00            | 10.01            | 0.94             | 4.07               | 6.97        | 4.98        | 30.00                  | 23.03       | 30.00       | 23.03       | 11.04        | 12.71        | 36.00                  | 24.96       | 36.00       | 24.96       |
|                        | 54       | -6.76                     | 3.00            | 10.01            | 0.94             | 4.07               | <b>7.19</b> | <b>5.24</b> | 30.00                  | 23.03       | 30.00       | 23.03       | <b>11.26</b> | <b>13.37</b> | 36.00                  | 24.74       | 36.00       | 24.74       |
|                        | 56       | -6.99                     | 3.00            | 10.01            | 0.94             | 4.07               | 6.96        | 4.97        | 30.00                  | 23.03       | 30.00       | 23.03       | 11.03        | 12.68        | 36.00                  | 24.97       | 36.00       | 24.97       |

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor

e.i.r.p. Result = Conducted Power Result + Antenna Gain

#### 15.407 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

For all test frequencies, B was applied the minimum value (19.067 MHz) as conservative limit.

#### RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

e.i.r.p. Limit (5150 MHz-5250 MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (17.774 MHz) as conservative limit.

## Maximum Conducted Output Power

Test place Shonan EMC Lab. No.1 Measurement Room  
Date November 1, 2023 January 31, 2024 July 9, 2024  
Temperature / Humidity 25deg. C / 39 RH 23 deg. C / 50 % RH 23 deg. C / 37 % RH  
Engineer Kazuya Noda Kazuya Noda Kouki Yamada  
Mode Tx, Ant 2

### 11ax-40 (OFDMA) (SISO) 242-tone

| Tested Frequency<br>[MHz] | RU Index | Power Meter Reading<br>[dBm] | Cable Loss<br>[dB] | Atten. Loss<br>[dB] | Duty Factor<br>[dB] | Antenna Gain<br>[dBi] | Result |      | Conducted Power           |                | RSS-247        |                | Result |       | e.i.r.p.                  |                | RSS-247        |                |
|---------------------------|----------|------------------------------|--------------------|---------------------|---------------------|-----------------------|--------|------|---------------------------|----------------|----------------|----------------|--------|-------|---------------------------|----------------|----------------|----------------|
|                           |          |                              |                    |                     |                     |                       | [dBm]  | [mW] | FCC 15.407 Limit<br>[dBm] | Margin<br>[dB] | Limit<br>[dBm] | Margin<br>[dB] | [dBm]  | [mW]  | FCC 15.407 Limit<br>[dBm] | Margin<br>[dB] | Limit<br>[dBm] | Margin<br>[dB] |
| 5190                      | 61       | -6.48                        | 2.95               | 10.01               | 1.33                | 4.07                  | 7.81   | 6.03 | 23.97                     | 16.16          | -              | -              | 11.88  | 15.40 | 29.97                     | 18.09          | 23.01          | 11.13          |
|                           | 62       | -6.43                        | 2.95               | 10.01               | 1.33                | 4.07                  | 7.86   | 6.10 | 23.97                     | 16.16          | -              | -              | 11.93  | 15.58 | 29.97                     | 18.04          | 23.01          | 11.08          |
| 5230                      | 61       | -6.05                        | 2.95               | 10.01               | 1.33                | 4.07                  | 8.24   | 6.66 | 23.97                     | 15.73          | -              | -              | 12.31  | 17.01 | 29.97                     | 17.66          | 23.01          | 10.70          |
|                           | 62       | -5.96                        | 2.95               | 10.01               | 1.33                | 4.07                  | 8.33   | 6.80 | 23.97                     | 15.73          | -              | -              | 12.40  | 17.36 | 29.97                     | 17.57          | 23.01          | 10.61          |
| 5270                      | 53       | -6.26                        | 2.96               | 10.01               | 1.33                | 4.07                  | 8.04   | 6.36 | 23.97                     | 15.93          | 23.97          | 15.93          | 12.11  | 16.24 | 29.97                     | 17.86          | 30.00          | 17.89          |
|                           | 54       | -6.21                        | 2.96               | 10.01               | 1.33                | 4.07                  | 8.09   | 6.44 | 23.97                     | 15.93          | 23.97          | 15.93          | 12.16  | 16.43 | 29.97                     | 17.81          | 30.00          | 17.84          |
| 5310                      | 53       | -6.55                        | 2.96               | 10.01               | 1.33                | 4.07                  | 7.75   | 5.95 | 23.97                     | 16.22          | 23.97          | 16.22          | 11.82  | 15.19 | 29.97                     | 18.15          | 30.00          | 18.18          |
|                           | 54       | -6.40                        | 2.96               | 10.01               | 1.33                | 4.07                  | 7.90   | 6.16 | 23.97                     | 16.22          | 23.97          | 16.22          | 11.97  | 15.73 | 29.97                     | 18.00          | 30.00          | 18.03          |
| 5510                      | 53       | -6.32                        | 2.98               | 10.01               | 1.33                | 4.07                  | 8.00   | 6.30 | 23.97                     | 15.97          | 23.97          | 15.97          | 12.07  | 16.09 | 29.97                     | 17.90          | 30.00          | 17.93          |
|                           | 54       | -6.28                        | 2.98               | 10.01               | 1.33                | 4.07                  | 8.04   | 6.36 | 23.97                     | 15.97          | 23.97          | 15.97          | 12.11  | 16.24 | 29.97                     | 17.86          | 30.00          | 17.89          |
| 5550                      | 53       | -6.49                        | 2.98               | 10.01               | 1.33                | 4.07                  | 7.83   | 6.06 | 23.97                     | 16.14          | 23.97          | 16.14          | 11.90  | 15.48 | 29.97                     | 18.07          | 30.00          | 18.10          |
|                           | 54       | -6.54                        | 2.98               | 10.01               | 1.33                | 4.07                  | 7.78   | 5.99 | 23.97                     | 16.14          | 23.97          | 16.14          | 11.85  | 15.30 | 29.97                     | 18.12          | 30.00          | 18.15          |
| 5670                      | 53       | -6.48                        | 2.99               | 10.01               | 1.33                | 4.07                  | 7.85   | 6.09 | 23.97                     | 16.12          | 23.97          | 16.12          | 11.92  | 15.55 | 29.97                     | 18.05          | 30.00          | 18.08          |
|                           | 54       | -6.64                        | 2.99               | 10.01               | 1.33                | 4.07                  | 7.69   | 5.87 | 23.97                     | 16.12          | 23.97          | 16.12          | 11.76  | 14.98 | 29.97                     | 18.21          | 30.00          | 18.24          |
| 5755                      | 53       | -7.82                        | 3.00               | 10.01               | 1.33                | 4.07                  | 6.52   | 4.48 | 30.00                     | 23.48          | 30.00          | 23.48          | 10.59  | 11.45 | 36.00                     | 25.41          | 36.00          | 25.41          |
|                           | 54       | -7.80                        | 3.00               | 10.01               | 1.33                | 4.07                  | 6.54   | 4.50 | 30.00                     | 23.48          | 30.00          | 23.48          | 10.61  | 11.50 | 36.00                     | 25.39          | 36.00          | 25.39          |
| 5795                      | 53       | -7.27                        | 3.00               | 10.01               | 1.33                | 4.07                  | 7.07   | 5.09 | 30.00                     | 22.93          | 30.00          | 22.93          | 11.14  | 12.99 | 36.00                     | 24.86          | 36.00          | 24.86          |
|                           | 54       | -7.26                        | 3.00               | 10.01               | 1.33                | 4.07                  | 7.08   | 5.10 | 30.00                     | 22.93          | 30.00          | 22.93          | 11.15  | 13.02 | 36.00                     | 24.85          | 36.00          | 24.85          |

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor

e.i.r.p. Result = Conducted Power Result + Antenna Gain

#### 15.407 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

For all test frequencies, B was applied the minimum value (38.945 MHz) as conservative limit.

#### RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

e.i.r.p. Limit (5150 MHz-5250 MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (25.022 MHz) as conservative limit.

## Maximum Conducted Output Power

Test place Shonan EMC Lab. No.1 Measurement Room  
Date November 1, 2023 January 31, 2024  
Temperature / Humidity 25deg. C / 39 RH 23 deg. C / 50 % RH  
Engineer Kazuya Noda Kazuya Noda  
Mode Tx, Ant 2

### 11ax-40 (OFDMA) (SISO) 484-tone

| Tested Frequency<br>[MHz] | RU Index | Power Meter Reading<br>[dBm] | Cable Loss<br>[dB] | Atten. Loss<br>[dB] | Duty Factor<br>[dB] | Antenna Gain<br>[dBi] | Result |      | Conducted Power  |                   | RSS-247 |        | Result |       | e.i.r.p.         |                   | RSS-247 |        |
|---------------------------|----------|------------------------------|--------------------|---------------------|---------------------|-----------------------|--------|------|------------------|-------------------|---------|--------|--------|-------|------------------|-------------------|---------|--------|
|                           |          |                              |                    |                     |                     |                       | [dBm]  | [mW] | FCC 15.407 Limit | FCC 15.407 Margin | Limit   | Margin | [dBm]  | [mW]  | FCC 15.407 Limit | FCC 15.407 Margin | Limit   | Margin |
| 5190                      | 65       | -6.59                        | 2.95               | 10.01               | 1.50                | 4.07                  | 7.87   | 6.13 | 23.97            | 16.10             | -       | -      | 11.94  | 15.64 | 29.97            | 18.03             | 23.01   | 11.07  |
| 5230                      | 65       | -6.31                        | 2.95               | 10.01               | 1.50                | 4.07                  | 8.15   | 6.53 | 23.97            | 15.82             | -       | -      | 12.22  | 16.68 | 29.97            | 17.75             | 23.01   | 10.79  |
| 5270                      | 65       | -5.98                        | 2.96               | 10.01               | 1.50                | 4.07                  | 8.49   | 7.07 | 23.97            | 15.48             | 23.97   | 15.48  | 12.56  | 18.04 | 29.97            | 17.41             | 30.00   | 17.44  |
| 5310                      | 65       | -6.39                        | 2.96               | 10.01               | 1.50                | 4.07                  | 8.08   | 6.43 | 23.97            | 15.89             | 23.97   | 15.89  | 12.15  | 16.41 | 29.97            | 17.82             | 30.00   | 17.85  |
| 5510                      | 65       | -6.23                        | 2.98               | 10.01               | 1.50                | 4.07                  | 8.26   | 6.70 | 23.97            | 15.71             | 23.97   | 15.71  | 12.33  | 17.11 | 29.97            | 17.64             | 30.00   | 17.67  |
| 5550                      | 65       | -6.38                        | 2.98               | 10.01               | 1.50                | 4.07                  | 8.11   | 6.47 | 23.97            | 15.86             | 23.97   | 15.86  | 12.18  | 16.53 | 29.97            | 17.79             | 30.00   | 17.82  |
| 5670                      | 65       | -6.47                        | 2.99               | 10.01               | 1.50                | 4.07                  | 8.03   | 6.36 | 23.97            | 15.94             | 23.97   | 15.94  | 12.10  | 16.22 | 29.97            | 17.87             | 30.00   | 17.90  |
| 5755                      | 65       | -7.58                        | 3.00               | 10.01               | 1.50                | 4.07                  | 6.93   | 4.93 | 30.00            | 23.07             | 30.00   | 23.07  | 11.00  | 12.59 | 36.00            | 25.00             | 36.00   | 25.00  |
| 5795                      | 65       | -7.49                        | 3.00               | 10.01               | 1.50                | 4.07                  | 7.02   | 5.04 | 30.00            | 22.98             | 30.00   | 22.98  | 11.09  | 12.86 | 36.00            | 24.91             | 36.00   | 24.91  |

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor

e.i.r.p. Result = Conducted Power Result + Antenna Gain

#### 15.407 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

For all test frequencies, B was applied the minimum value (39.885 MHz) as conservative limit.

#### RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

e.i.r.p. Limit (5150 MHz-5250 MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (37.755 MHz) as conservative limit.

## Maximum Conducted Output Power

|                        |                                       |                     |                     |
|------------------------|---------------------------------------|---------------------|---------------------|
| Test place             | Shonan EMC Lab. No.1 Measurement Room |                     |                     |
| Date                   | November 7, 2023                      | November 24, 2023   | January 31, 2024    |
| Temperature / Humidity | 25deg. C / 55 RH                      | 22 deg. C / 46 % RH | 23 deg. C / 50 % RH |
| Engineer               | Kazuya Noda                           | Yusuke Tanikawara   | Kazuya Noda         |
| Mode                   | Tx, Ant 2                             |                     |                     |

### 11ax-80 (OFDMA) (SISO) 26-tone

| Tested Frequency [MHz] | RU Index | Power Meter Reading [dBm] | Cable Loss [dB] | Atten. Loss [dB] | Duty Factor [dB] | Antenna Gain [dBi] | Result       |             | Conducted Power        |             | RSS-247     |             | Result       |              | e.i.r.p.               |             | RSS-247     |             |
|------------------------|----------|---------------------------|-----------------|------------------|------------------|--------------------|--------------|-------------|------------------------|-------------|-------------|-------------|--------------|--------------|------------------------|-------------|-------------|-------------|
|                        |          |                           |                 |                  |                  |                    | [dBm]        | [mW]        | FCC 15.407 Limit [dBm] | Margin [dB] | Limit [dBm] | Margin [dB] | [dBm]        | [mW]         | FCC 15.407 Limit [dBm] | Margin [dB] | Limit [dBm] | Margin [dB] |
| 5210                   | 0        | -13.46                    | 2.95            | 10.01            | 0.35             | 4.07               | -0.15        | 0.97        | 23.97                  | 24.12       | -           | -           | 3.92         | 2.47         | 29.97                  | 26.05       | 22.54       | 18.62       |
|                        | 18       | -13.21                    | 2.95            | 10.01            | 0.35             | 4.07               | 0.10         | 1.02        | 23.97                  | 24.12       | -           | -           | 4.17         | 2.61         | 29.97                  | 25.80       | 22.54       | 18.37       |
|                        | 36       | -13.18                    | 2.95            | 10.01            | 0.35             | 4.07               | <b>0.13</b>  | <b>1.03</b> | 23.97                  | 24.12       | -           | -           | <b>4.20</b>  | <b>2.63</b>  | 29.97                  | 25.77       | 22.54       | 18.34       |
| 5290                   | 0        | -15.67                    | 2.96            | 10.01            | 0.35             | 4.07               | -2.35        | 0.58        | 23.79                  | 26.14       | 23.54       | 25.89       | 1.72         | 1.49         | 29.97                  | 28.25       | 29.54       | 27.82       |
|                        | 18       | -15.13                    | 2.96            | 10.01            | 0.35             | 4.07               | -1.81        | 0.66        | 23.79                  | 26.14       | 23.54       | 25.89       | 2.26         | 1.68         | 29.97                  | 27.71       | 29.54       | 27.28       |
|                        | 36       | -15.01                    | 2.96            | 10.01            | 0.35             | 4.07               | <b>-1.69</b> | <b>0.68</b> | 23.79                  | 26.14       | 23.54       | 25.89       | <b>2.38</b>  | <b>1.73</b>  | 29.97                  | 27.59       | 29.54       | 27.16       |
| 5530                   | 0        | -9.72                     | 2.98            | 10.01            | 0.35             | 4.07               | 3.62         | 2.30        | 23.79                  | 20.17       | 23.54       | 19.92       | 7.69         | 5.88         | 29.97                  | 22.28       | 29.54       | 21.85       |
|                        | 18       | -9.31                     | 2.98            | 10.01            | 0.35             | 4.07               | <b>4.03</b>  | <b>2.53</b> | 23.79                  | 20.17       | 23.54       | 19.92       | <b>8.10</b>  | <b>6.46</b>  | 29.97                  | 21.87       | 29.54       | 21.44       |
|                        | 36       | -9.42                     | 2.98            | 10.01            | 0.35             | 4.07               | 3.92         | 2.47        | 23.79                  | 20.17       | 23.54       | 19.92       | 7.99         | 6.30         | 29.97                  | 21.98       | 29.54       | 21.55       |
| 5775                   | 0        | -6.69                     | 3.00            | 10.01            | 0.35             | 4.07               | 6.67         | 4.65        | 30.00                  | 23.33       | 30.00       | 23.33       | 10.74        | 11.86        | 36.00                  | 25.26       | 36.00       | 25.26       |
|                        | 18       | -6.22                     | 3.00            | 10.01            | 0.35             | 4.07               | <b>7.14</b>  | <b>5.18</b> | 30.00                  | 23.33       | 30.00       | 23.33       | <b>11.21</b> | <b>13.22</b> | 36.00                  | 24.79       | 36.00       | 24.79       |
|                        | 36       | -6.63                     | 3.00            | 10.01            | 0.35             | 4.07               | 6.73         | 4.71        | 30.00                  | 23.33       | 30.00       | 23.33       | 10.80        | 12.03        | 36.00                  | 25.20       | 36.00       | 25.20       |

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor

e.i.r.p. Result = Conducted Power Result + Antenna Gain

#### 15.407 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

For all test frequencies, B was applied the minimum value (19.013 MHz) as conservative limit.

#### RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

e.i.r.p. Limit (5150 MHz-5250 MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (17.987 MHz) as conservative limit.

## Maximum Conducted Output Power

Test place Shonan EMC Lab. No.1 Measurement Room  
Date November 7, 2023 November 24, 2023 January 31, 2024  
Temperature / Humidity 25deg. C / 55 RH 22 deg. C / 46 % RH 23 deg. C / 50 % RH  
Engineer Kazuya Noda Yusuke Tanikawara Kazuya Noda  
Mode Tx, Ant 2

### 11ax-80 (OFDMA) (SISO) 52-tone

| Tested Frequency [MHz] | RU Index | Power Meter Reading [dBm] | Cable Loss [dB] | Atten. Loss [dB] | Duty Factor [dB] | Antenna Gain [dBi] | Result      |             | Conducted Power        |             | RSS-247     |             | Result       |              | e.i.r.p.               |             | RSS-247     |             |
|------------------------|----------|---------------------------|-----------------|------------------|------------------|--------------------|-------------|-------------|------------------------|-------------|-------------|-------------|--------------|--------------|------------------------|-------------|-------------|-------------|
|                        |          |                           |                 |                  |                  |                    | [dBm]       | [mW]        | FCC 15.407 Limit [dBm] | Margin [dB] | Limit [dBm] | Margin [dB] | [dBm]        | [mW]         | FCC 15.407 Limit [dBm] | Margin [dB] | Limit [dBm] | Margin [dB] |
| 5210                   | 37       | -10.61                    | 2.95            | 10.01            | 0.57             | 4.07               | 2.92        | 1.96        | 23.97                  | 21.05       | -           | -           | 6.99         | 4.99         | 29.97                  | 22.98       | 22.53       | 15.54       |
|                        | 44       | -10.46                    | 2.95            | 10.01            | 0.57             | 4.07               | 3.07        | 2.03        | 23.97                  | 21.05       | -           | -           | 7.14         | 5.17         | 29.97                  | 22.83       | 22.53       | 15.39       |
|                        | 52       | -10.37                    | 2.95            | 10.01            | 0.57             | 4.07               | <b>3.16</b> | <b>2.07</b> | 23.97                  | 21.05       | -           | -           | <b>7.23</b>  | <b>5.28</b>  | 29.97                  | 22.74       | 22.53       | 15.30       |
| 5290                   | 37       | -13.17                    | 2.96            | 10.01            | 0.57             | 4.07               | 0.37        | 1.09        | 23.80                  | 23.43       | 23.53       | 23.16       | 4.44         | 2.78         | 29.97                  | 25.53       | 29.53       | 25.09       |
|                        | 44       | -12.91                    | 2.96            | 10.01            | 0.57             | 4.07               | 0.63        | 1.15        | 23.80                  | 23.43       | 23.53       | 23.16       | 4.70         | 2.95         | 29.97                  | 25.27       | 29.53       | 24.83       |
|                        | 52       | -12.64                    | 2.96            | 10.01            | 0.57             | 4.07               | <b>0.90</b> | <b>1.23</b> | 23.80                  | 23.43       | 23.53       | 23.16       | <b>4.97</b>  | <b>3.14</b>  | 29.97                  | 25.00       | 29.53       | 24.56       |
| 5530                   | 37       | -6.67                     | 2.98            | 10.01            | 0.57             | 4.07               | 6.89        | 4.88        | 23.80                  | 16.91       | 23.53       | 16.64       | 10.96        | 12.46        | 29.97                  | 19.01       | 29.53       | 18.57       |
|                        | 44       | -6.59                     | 2.98            | 10.01            | 0.57             | 4.07               | 6.97        | 4.97        | 23.80                  | 16.91       | 23.53       | 16.64       | 11.04        | 12.69        | 29.97                  | 18.93       | 29.53       | 18.49       |
|                        | 52       | -6.55                     | 2.98            | 10.01            | 0.57             | 4.07               | <b>7.01</b> | <b>5.02</b> | 23.80                  | 16.91       | 23.53       | 16.64       | <b>11.08</b> | <b>12.81</b> | 29.97                  | 18.89       | 29.53       | 18.45       |
| 5775                   | 37       | -6.81                     | 3.00            | 10.01            | 0.57             | 4.07               | 6.77        | 4.75        | 30.00                  | 23.23       | 30.00       | 23.23       | 10.84        | 12.12        | 36.00                  | 25.16       | 36.00       | 25.16       |
|                        | 44       | -6.77                     | 3.00            | 10.01            | 0.57             | 4.07               | <b>6.81</b> | <b>4.79</b> | 30.00                  | 23.23       | 30.00       | 23.23       | <b>10.88</b> | <b>12.23</b> | 36.00                  | 25.12       | 36.00       | 25.12       |
|                        | 52       | -6.84                     | 3.00            | 10.01            | 0.57             | 4.07               | 6.74        | 4.72        | 30.00                  | 23.23       | 30.00       | 23.23       | 10.81        | 12.04        | 36.00                  | 25.19       | 36.00       | 25.19       |

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor  
e.i.r.p. Result = Conducted Power Result + Antenna Gain

#### 15.407 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

For all test frequencies, B was applied the minimum value (19.074 MHz) as conservative limit.

#### RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

e.i.r.p. Limit (5150 MHz-5250 MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (17.929 MHz) as conservative limit.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.1 Measurement Room  
Date November 7, 2023 January 31, 2024  
Temperature / Humidity 25deg. C / 55 RH 23 deg. C / 50 % RH  
Engineer Kazuya Noda Kazuya Noda  
Mode Tx, Ant 2

11ax-80 (OFDMA) (SISO) 106-tone

| Tested Frequency<br>[MHz] | RU Index | Power Meter Reading<br>[dBm] | Cable Loss<br>[dB] | Atten. Loss<br>[dB] | Duty Factor<br>[dB] | Antenna Gain<br>[dBi] | Result |      | Conducted Power  |        | RSS-247 |        | Result |       | e.i.r.p.         |        | RSS-247 |        |
|---------------------------|----------|------------------------------|--------------------|---------------------|---------------------|-----------------------|--------|------|------------------|--------|---------|--------|--------|-------|------------------|--------|---------|--------|
|                           |          |                              |                    |                     |                     |                       | [dBm]  | [mW] | FCC 15.407 Limit | Margin | Limit   | Margin | [dBm]  | [mW]  | FCC 15.407 Limit | Margin | Limit   | Margin |
| 5210                      | 53       | -7.79                        | 2.95               | 10.01               | 0.90                | 4.07                  | 6.07   | 4.04 | 23.97            | 17.90  | -       | -      | 10.14  | 10.33 | 29.97            | 19.83  | 22.51   | 12.37  |
|                           | 56       | -7.65                        | 2.95               | 10.01               | 0.90                | 4.07                  | 6.21   | 4.18 | 23.97            | 17.90  | -       | -      | 10.28  | 10.66 | 29.97            | 19.69  | 22.51   | 12.23  |
|                           | 60       | -7.54                        | 2.95               | 10.01               | 0.90                | 4.07                  | 6.32   | 4.28 | 23.97            | 17.90  | -       | -      | 10.39  | 10.94 | 29.97            | 19.58  | 22.51   | 12.12  |
| 5290                      | 53       | -10.39                       | 2.96               | 10.01               | 0.90                | 4.07                  | 3.48   | 2.23 | 23.91            | 20.43  | 23.51   | 20.03  | 7.55   | 5.69  | 29.97            | 22.42  | 29.51   | 21.96  |
|                           | 56       | -10.30                       | 2.96               | 10.01               | 0.90                | 4.07                  | 3.57   | 2.27 | 23.91            | 20.43  | 23.51   | 20.03  | 7.64   | 5.81  | 29.97            | 22.33  | 29.51   | 21.87  |
|                           | 60       | -9.87                        | 2.96               | 10.01               | 0.90                | 4.07                  | 4.00   | 2.51 | 23.91            | 20.43  | 23.51   | 20.03  | 8.07   | 6.41  | 29.97            | 21.90  | 29.51   | 21.44  |
| 5530                      | 53       | -5.85                        | 2.98               | 10.01               | 0.90                | 4.07                  | 8.04   | 6.37 | 23.91            | 15.87  | 23.51   | 15.47  | 12.11  | 16.25 | 29.97            | 17.86  | 29.51   | 17.40  |
|                           | 56       | -5.69                        | 2.98               | 10.01               | 0.90                | 4.07                  | 8.20   | 6.61 | 23.91            | 15.87  | 23.51   | 15.47  | 12.27  | 16.86 | 29.97            | 17.70  | 29.51   | 17.24  |
|                           | 60       | -5.71                        | 2.98               | 10.01               | 0.90                | 4.07                  | 8.18   | 6.58 | 23.91            | 15.87  | 23.51   | 15.47  | 12.25  | 16.78 | 29.97            | 17.72  | 29.51   | 17.26  |
| 5775                      | 53       | -7.13                        | 3.00               | 10.01               | 0.90                | 4.07                  | 6.78   | 4.76 | 30.00            | 23.22  | 30.00   | 23.22  | 10.85  | 12.16 | 36.00            | 25.15  | 36.00   | 25.15  |
|                           | 56       | -7.21                        | 3.00               | 10.01               | 0.90                | 4.07                  | 6.70   | 4.68 | 30.00            | 23.22  | 30.00   | 23.22  | 10.77  | 11.94 | 36.00            | 25.23  | 36.00   | 25.23  |
|                           | 60       | -7.16                        | 3.00               | 10.01               | 0.90                | 4.07                  | 6.75   | 4.73 | 30.00            | 23.22  | 30.00   | 23.22  | 10.82  | 12.08 | 36.00            | 25.18  | 36.00   | 25.18  |

Sample Calculation:  
Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor  
e.i.r.p. Result = Conducted Power Result + Antenna Gain

15.407 Limit  
Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower  
Conducted Power Limit (5725 MHz-5850 MHz) = 1W  
For all test frequencies, B was applied the minimum value (19.548 MHz) as conservative limit.

RSS-247 Limit  
Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower  
Conducted Power Limit (5725 MHz-5850 MHz) = 1W  
e.i.r.p. Limit (5150 MHz-5250 MHz) = 200mW or (10 + 10logB) dBm, whichever is lower  
e.i.r.p. Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 1W or (17 + 10logB) dBm, whichever is lower  
For all test frequencies, B was applied the minimum value (17.827 MHz) as conservative limit.

## Maximum Conducted Output Power

Test place Shonan EMC Lab. No.1 Measurement Room  
Date November 7, 2023 January 31, 2024  
Temperature / Humidity 25deg. C / 55 RH 23 deg. C / 50 % RH  
Engineer Kazuya Noda Kazuya Noda  
Mode Tx, Ant 2

### 11ax-80 (OFDMA) (SISO) 242-tone

| Tested Frequency [MHz] | RU Index | Power Meter Reading [dBm] | Cable Loss [dB] | Atten. Loss [dB] | Duty Factor [dB] | Antenna Gain [dBi] | Result |      | Conducted Power        |             | RSS-247     |             | Result |       | e.i.r.p.               |             | RSS-247     |             |
|------------------------|----------|---------------------------|-----------------|------------------|------------------|--------------------|--------|------|------------------------|-------------|-------------|-------------|--------|-------|------------------------|-------------|-------------|-------------|
|                        |          |                           |                 |                  |                  |                    | [dBm]  | [mW] | FCC 15.407 Limit [dBm] | Margin [dB] | Limit [dBm] | Margin [dB] | [dBm]  | [mW]  | FCC 15.407 Limit [dBm] | Margin [dB] | Limit [dBm] | Margin [dB] |
| 5210                   | 61       | -6.56                     | 2.95            | 10.01            | 1.22             | 4.07               | 7.62   | 5.77 | 23.97                  | 16.35       | -           | -           | 11.69  | 14.74 | 29.97                  | 18.28       | 22.84       | 11.15       |
|                        | 62       | -6.40                     | 2.95            | 10.01            | 1.22             | 4.07               | 7.78   | 5.99 | 23.97                  | 16.35       | -           | -           | 11.85  | 15.29 | 29.97                  | 18.12       | 22.84       | 10.99       |
|                        | 64       | -6.47                     | 2.95            | 10.01            | 1.22             | 4.07               | 7.71   | 5.90 | 23.97                  | 16.35       | -           | -           | 11.78  | 15.05 | 29.97                  | 18.19       | 22.84       | 11.06       |
| 5290                   | 61       | -7.48                     | 2.96            | 10.01            | 1.22             | 4.07               | 6.71   | 4.68 | 23.97                  | 17.26       | 23.84       | 17.13       | 10.78  | 11.95 | 29.97                  | 19.19       | 29.84       | 19.06       |
|                        | 62       | -7.18                     | 2.96            | 10.01            | 1.22             | 4.07               | 7.01   | 5.02 | 23.97                  | 17.26       | 23.84       | 17.13       | 11.08  | 12.81 | 29.97                  | 18.89       | 29.84       | 18.76       |
|                        | 64       | -7.15                     | 2.96            | 10.01            | 1.22             | 4.07               | 7.04   | 5.05 | 23.97                  | 17.26       | 23.84       | 17.13       | 11.11  | 12.90 | 29.97                  | 18.86       | 29.84       | 18.73       |
| 5530                   | 61       | -6.18                     | 2.98            | 10.01            | 1.22             | 4.07               | 8.03   | 6.35 | 23.97                  | 15.94       | 23.84       | 15.81       | 12.10  | 16.20 | 29.97                  | 17.87       | 29.84       | 17.74       |
|                        | 62       | -5.94                     | 2.98            | 10.01            | 1.22             | 4.07               | 8.27   | 6.71 | 23.97                  | 15.94       | 23.84       | 15.81       | 12.34  | 17.12 | 29.97                  | 17.63       | 29.84       | 17.50       |
|                        | 64       | -6.01                     | 2.98            | 10.01            | 1.22             | 4.07               | 8.20   | 6.60 | 23.97                  | 15.94       | 23.84       | 15.81       | 12.27  | 16.85 | 29.97                  | 17.70       | 29.84       | 17.57       |
| 5775                   | 61       | -7.47                     | 3.00            | 10.01            | 1.22             | 4.07               | 6.76   | 4.74 | 30.00                  | 23.24       | 30.00       | 23.24       | 10.83  | 12.09 | 36.00                  | 25.17       | 36.00       | 25.17       |
|                        | 62       | -7.32                     | 3.00            | 10.01            | 1.22             | 4.07               | 6.91   | 4.90 | 30.00                  | 23.24       | 30.00       | 23.24       | 10.98  | 12.52 | 36.00                  | 25.02       | 36.00       | 25.02       |
|                        | 64       | -7.54                     | 3.00            | 10.01            | 1.22             | 4.07               | 6.69   | 4.66 | 30.00                  | 23.24       | 30.00       | 23.24       | 10.76  | 11.90 | 36.00                  | 25.24       | 36.00       | 25.24       |

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor  
e.i.r.p. Result = Conducted Power Result + Antenna Gain

#### 15.407 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

For all test frequencies, B was applied the minimum value (24.644 MHz) as conservative limit.

#### RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

e.i.r.p. Limit (5150 MHz-5250 MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (19.245 MHz) as conservative limit.

## Maximum Conducted Output Power

Test place Shonan EMC Lab. No.1 Measurement Room  
Date November 7, 2023 January 31, 2024  
Temperature / Humidity 25deg. C / 55 RH 23 deg. C / 50 % RH  
Engineer Kazuya Noda Kazuya Noda  
Mode Tx, Ant 2

### 11ax-80 (OFDMA) (SISO) 484-tone

| Tested Frequency [MHz] | RU Index | Power Meter Reading [dBm] | Cable Loss [dB] | Atten. Loss [dB] | Duty Factor [dB] | Antenna Gain [dB] | Result      |             | Conducted Power        |                        | RSS-247     |             | Result       |              | e.i.r.p.               |                        | RSS-247     |             |
|------------------------|----------|---------------------------|-----------------|------------------|------------------|-------------------|-------------|-------------|------------------------|------------------------|-------------|-------------|--------------|--------------|------------------------|------------------------|-------------|-------------|
|                        |          |                           |                 |                  |                  |                   | [dBm]       | [mW]        | FCC 15.407 Limit [dBm] | FCC 15.407 Margin [dB] | Limit [dBm] | Margin [dB] | [dBm]        | [mW]         | FCC 15.407 Limit [dBm] | FCC 15.407 Margin [dB] | Limit [dBm] | Margin [dB] |
| 5210                   | 65       | -6.69                     | 2.95            | 10.01            | 1.42             | 4.07              | 7.69        | 5.88        | 23.97                  | 16.28                  | -           | -           | 11.76        | 15.00        | 29.97                  | 18.21                  | 23.01       | 11.25       |
|                        | 66       | -6.53                     | 2.95            | 10.01            | 1.42             | 4.07              | <b>7.85</b> | <b>6.10</b> | 23.97                  | 16.28                  | -           | -           | <b>11.92</b> | <b>15.56</b> | 29.97                  | 18.05                  | 23.01       | 11.09       |
| 5290                   | 65       | -6.34                     | 2.96            | 10.01            | 1.42             | 4.07              | 8.05        | 6.38        | 23.97                  | 15.92                  | 23.97       | 15.92       | 12.12        | 16.29        | 29.97                  | 17.85                  | 30.00       | 17.88       |
|                        | 66       | -6.04                     | 2.96            | 10.01            | 1.42             | 4.07              | <b>8.35</b> | <b>6.84</b> | 23.97                  | 15.92                  | 23.97       | 15.92       | <b>12.42</b> | <b>17.46</b> | 29.97                  | 17.55                  | 30.00       | 17.58       |
| 5530                   | 66       | -6.14                     | 2.98            | 10.01            | 1.42             | 4.07              | 8.27        | 6.71        | 23.97                  | 15.70                  | 23.97       | 15.70       | 12.34        | 17.14        | 29.97                  | 17.63                  | 30.00       | 17.66       |
|                        | 65       | -6.03                     | 2.98            | 10.01            | 1.42             | 4.07              | <b>8.38</b> | <b>6.89</b> | 23.97                  | 15.70                  | 23.97       | 15.70       | <b>12.45</b> | <b>17.58</b> | 29.97                  | 17.52                  | 30.00       | 17.55       |
| 5775                   | 65       | -7.58                     | 3.00            | 10.01            | 1.42             | 4.07              | 6.85        | 4.84        | 30.00                  | 23.15                  | 30.00       | 23.15       | 10.92        | 12.36        | 36.00                  | 25.08                  | 36.00       | 25.08       |
|                        | 66       | -7.43                     | 3.00            | 10.01            | 1.42             | 4.07              | <b>7.00</b> | <b>5.01</b> | 30.00                  | 23.15                  | 30.00       | 23.15       | <b>11.07</b> | <b>12.79</b> | 36.00                  | 24.93                  | 36.00       | 24.93       |

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor

e.i.r.p. Result = Conducted Power Result + Antenna Gain

#### 15.407 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

For all test frequencies, B was applied the minimum value (79.867 MHz) as conservative limit.

#### RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

e.i.r.p. Limit (5150 MHz-5250 MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (67.784 MHz) as conservative limit.

## Maximum Conducted Output Power

Test place Shonan EMC Lab. No.1 Measurement Room  
Date November 7, 2023  
Temperature / Humidity 25deg. C / 55 RH  
Engineer Kazuya Noda  
Mode Tx, Ant 2

### 11ax-80 (OFDMA) (SISO) 996-tone

| Tested Frequency [MHz] | RU Index | Power Meter Reading [dBm] | Cable Loss [dB] | Atten. Loss [dB] | Duty Factor [dB] | Antenna Gain [dBi] | Result      |             | Conducted Power        |             | RSS-247     |             | Result       |              | e.i.r.p.               |             | RSS-247     |             |
|------------------------|----------|---------------------------|-----------------|------------------|------------------|--------------------|-------------|-------------|------------------------|-------------|-------------|-------------|--------------|--------------|------------------------|-------------|-------------|-------------|
|                        |          |                           |                 |                  |                  |                    | [dBm]       | [mW]        | FCC 15.407 Limit [dBm] | Margin [dB] | Limit [dBm] | Margin [dB] | [dBm]        | [mW]         | FCC 15.407 Limit [dBm] | Margin [dB] | Limit [dBm] | Margin [dB] |
| 5210                   | 67       | -6.91                     | 2.95            | 10.01            | 1.59             | 4.07               | <b>7.64</b> | <b>5.81</b> | 23.97                  | 16.33       | -           | -           | <b>11.71</b> | <b>14.83</b> | 29.97                  | 18.26       | 23.01       | 11.30       |
| 5290                   | 67       | -6.49                     | 2.96            | 10.01            | 1.59             | 4.07               | <b>8.07</b> | <b>6.41</b> | 23.97                  | 15.90       | 23.97       | 15.90       | <b>12.14</b> | <b>16.37</b> | 29.97                  | 17.83       | 30.00       | 17.86       |
| 5530                   | 67       | -6.46                     | 2.98            | 10.01            | 1.59             | 4.07               | <b>8.12</b> | <b>6.49</b> | 23.97                  | 15.85       | 23.97       | 15.85       | <b>12.19</b> | <b>16.56</b> | 29.97                  | 17.78       | 30.00       | 17.81       |
| 5775                   | 67       | -7.88                     | 3.00            | 10.01            | 1.59             | 4.07               | <b>6.72</b> | <b>4.70</b> | 30.00                  | 23.28       | 30.00       | 23.28       | <b>10.79</b> | <b>12.00</b> | 36.00                  | 25.21       | 36.00       | 25.21       |

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor

e.i.r.p. Result = Conducted Power Result + Antenna Gain

### 15.407 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

For all test frequencies, B was applied the minimum value (80.372 MHz) as conservative limit.

### RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

e.i.r.p. Limit (5150 MHz-5250 MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (77.424 MHz) as conservative limit.

## Maximum Conducted Output Power

|                        |                                       |                     |                     |
|------------------------|---------------------------------------|---------------------|---------------------|
| Test place             | Shonan EMC Lab. No.1 Measurement Room |                     |                     |
| Date                   | November 7, 2023                      | November 24, 2023   | February 2, 2024    |
| Temperature / Humidity | 25deg. C / 55 RH                      | 22 deg. C / 46 % RH | 22 deg. C / 37 % RH |
| Engineer               | Kazuya Noda                           | Yusuke Tanikawara   | Kazuya Noda         |
| Mode                   | Tx, Ant 0 + Ant 2                     |                     |                     |

11ax-20 (OFDMA) (SDM) 26-tone

| Tested Frequency<br>[MHz] | RU Index | Conducted power |       |      |        |                  |        |               |        | e.i.r.p. |       |      |        |                  |        |               |        |
|---------------------------|----------|-----------------|-------|------|--------|------------------|--------|---------------|--------|----------|-------|------|--------|------------------|--------|---------------|--------|
|                           |          | 0               | Ant 2 | Sum  | Result | FCC 15.407 Limit | Margin | RSS-247 Limit | Margin | 0        | Ant 2 | Sum  | Result | FCC 15.407 Limit | Margin | RSS-247 Limit | Margin |
|                           |          | [mW]            | [mW]  | [mW] | [dBm]  | [dBm]            | [dB]   | [dBm]         | [dB]   | [mW]     | [mW]  | [mW] | [dBm]  | [dBm]            | [dB]   | [dBm]         | [dB]   |
| 5180                      | 0        | 1.36            | 1.32  | 2.68 | 4.29   | 23.97            | 19.68  | -             | -      | 1.60     | 3.38  | 4.98 | 6.97   | 29.97            | 23.00  | 22.29         | 15.32  |
|                           | 4        | 1.41            | 1.39  | 2.79 | 4.46   | 23.97            | 19.51  | -             | -      | 1.65     | 3.54  | 5.19 | 7.15   | 29.97            | 22.82  | 22.29         | 15.14  |
|                           | 8        | 1.43            | 1.42  | 2.85 | 4.54   | 23.97            | 19.43  | -             | -      | 1.68     | 3.62  | 5.29 | 7.24   | 29.97            | 22.73  | 22.29         | 15.05  |
| 5220                      | 0        | 1.45            | 1.32  | 2.77 | 4.42   | 23.97            | 19.55  | -             | -      | 1.71     | 3.36  | 5.06 | 7.05   | 29.97            | 22.92  | 22.29         | 15.24  |
|                           | 4        | 1.51            | 1.35  | 2.86 | 4.56   | 23.97            | 19.41  | -             | -      | 1.77     | 3.45  | 5.22 | 7.18   | 29.97            | 22.79  | 22.29         | 15.11  |
|                           | 8        | 1.52            | 1.37  | 2.89 | 4.60   | 23.97            | 19.37  | -             | -      | 1.78     | 3.49  | 5.28 | 7.22   | 29.97            | 22.75  | 22.29         | 15.07  |
| 5240                      | 0        | 1.47            | 1.39  | 2.87 | 4.57   | 23.97            | 19.40  | -             | -      | 1.73     | 3.56  | 5.29 | 7.23   | 29.97            | 22.74  | 22.29         | 15.06  |
|                           | 4        | 1.53            | 1.48  | 3.01 | 4.79   | 23.97            | 19.18  | -             | -      | 1.80     | 3.79  | 5.58 | 7.47   | 29.97            | 22.50  | 22.29         | 14.82  |
|                           | 8        | 1.54            | 1.50  | 3.04 | 4.83   | 23.97            | 19.14  | -             | -      | 1.81     | 3.83  | 5.64 | 7.51   | 29.97            | 22.46  | 22.29         | 14.78  |
| 5260                      | 0        | 1.65            | 1.64  | 3.30 | 5.18   | 23.56            | 18.38  | 23.29         | 18.11  | 1.94     | 4.20  | 6.14 | 7.88   | 29.97            | 22.09  | 29.29         | 21.41  |
|                           | 4        | 1.64            | 1.71  | 3.36 | 5.26   | 23.56            | 18.30  | 23.29         | 18.03  | 1.93     | 4.38  | 6.30 | 8.00   | 29.97            | 21.97  | 29.29         | 21.29  |
|                           | 8        | 1.63            | 1.74  | 3.38 | 5.28   | 23.56            | 18.28  | 23.29         | 18.01  | 1.92     | 4.45  | 6.37 | 8.04   | 29.97            | 21.93  | 29.29         | 21.25  |
| 5300                      | 0        | 1.79            | 1.57  | 3.37 | 5.27   | 23.56            | 18.29  | 23.29         | 18.02  | 2.10     | 4.02  | 6.12 | 7.87   | 29.97            | 22.10  | 29.29         | 21.42  |
|                           | 4        | 1.88            | 1.66  | 3.53 | 5.48   | 23.56            | 18.08  | 23.29         | 17.81  | 2.20     | 4.23  | 6.43 | 8.08   | 29.97            | 21.89  | 29.29         | 21.21  |
|                           | 8        | 1.88            | 1.64  | 3.52 | 5.47   | 23.56            | 18.09  | 23.29         | 17.82  | 2.21     | 4.18  | 6.39 | 8.06   | 29.97            | 21.91  | 29.29         | 21.23  |
| 5320                      | 0        | 1.83            | 1.71  | 3.54 | 5.49   | 23.56            | 18.07  | 23.29         | 17.80  | 2.15     | 4.36  | 6.51 | 8.14   | 29.97            | 21.83  | 29.29         | 21.15  |
|                           | 4        | 1.84            | 1.77  | 3.62 | 5.58   | 23.56            | 17.98  | 23.29         | 17.71  | 2.16     | 4.53  | 6.69 | 8.26   | 29.97            | 21.71  | 29.29         | 21.03  |
|                           | 8        | 1.86            | 1.83  | 3.69 | 5.67   | 23.56            | 17.89  | 23.29         | 17.62  | 2.19     | 4.67  | 6.86 | 8.36   | 29.97            | 21.61  | 29.29         | 20.93  |

| Tested Frequency<br>[MHz] | RU Index | Duty Factor | Ant 0                     |                 |                  |                    |                          |                | Ant 2                     |                 |                  |                    |                          |                |
|---------------------------|----------|-------------|---------------------------|-----------------|------------------|--------------------|--------------------------|----------------|---------------------------|-----------------|------------------|--------------------|--------------------------|----------------|
|                           |          |             | Power Meter Reading [dBm] | Cable Loss [dB] | Atten. Loss [dB] | Antenna Gain [dBi] | Result Cond. Power [dBm] | e.i.r.p. [dBm] | Power Meter Reading [dBm] | Cable Loss [dB] | Atten. Loss [dB] | Antenna Gain [dBi] | Result Cond. Power [dBm] | e.i.r.p. [dBm] |
| 5180                      | 0        | 0.57        | -12.20                    | 2.95            | 10.01            | 0.70               | 1.33                     | 2.03           | -12.30                    | 2.95            | 10.00            | 4.07               | 1.22                     | 5.29           |
|                           | 4        | 0.57        | -12.05                    | 2.95            | 10.01            | 0.70               | 1.48                     | 2.18           | -12.10                    | 2.95            | 10.00            | 4.07               | 1.42                     | 5.49           |
|                           | 8        | 0.57        | -11.98                    | 2.95            | 10.01            | 0.70               | 1.55                     | 2.25           | -12.01                    | 2.95            | 10.00            | 4.07               | 1.51                     | 5.58           |
| 5220                      | 0        | 0.57        | -11.91                    | 2.95            | 10.01            | 0.70               | 1.62                     | 2.32           | -12.33                    | 2.95            | 10.00            | 4.07               | 1.19                     | 5.26           |
|                           | 4        | 0.57        | -11.75                    | 2.95            | 10.01            | 0.70               | 1.78                     | 2.48           | -12.21                    | 2.95            | 10.00            | 4.07               | 1.31                     | 5.38           |
|                           | 8        | 0.57        | -11.72                    | 2.95            | 10.01            | 0.70               | 1.81                     | 2.51           | -12.16                    | 2.95            | 10.00            | 4.07               | 1.36                     | 5.43           |
| 5240                      | 0        | 0.57        | -11.85                    | 2.95            | 10.01            | 0.70               | 1.68                     | 2.38           | -12.08                    | 2.95            | 10.00            | 4.07               | 1.44                     | 5.51           |
|                           | 4        | 0.57        | -11.69                    | 2.95            | 10.01            | 0.70               | 1.84                     | 2.54           | -11.81                    | 2.95            | 10.00            | 4.07               | 1.71                     | 5.78           |
|                           | 8        | 0.57        | -11.65                    | 2.95            | 10.01            | 0.70               | 1.88                     | 2.58           | -11.76                    | 2.95            | 10.00            | 4.07               | 1.76                     | 5.83           |
| 5260                      | 0        | 0.57        | -11.35                    | 2.95            | 10.01            | 0.70               | 2.18                     | 2.88           | -11.37                    | 2.96            | 10.00            | 4.07               | 2.16                     | 6.23           |
|                           | 4        | 0.57        | -11.38                    | 2.95            | 10.01            | 0.70               | 2.15                     | 2.85           | -11.19                    | 2.96            | 10.00            | 4.07               | 2.34                     | 6.41           |
|                           | 8        | 0.57        | -11.40                    | 2.95            | 10.01            | 0.70               | 2.13                     | 2.83           | -11.12                    | 2.96            | 10.00            | 4.07               | 2.41                     | 6.48           |
| 5300                      | 0        | 0.57        | -11.01                    | 2.96            | 10.01            | 0.70               | 2.53                     | 3.23           | -11.56                    | 2.96            | 10.00            | 4.07               | 1.97                     | 6.04           |
|                           | 4        | 0.57        | -10.81                    | 2.96            | 10.01            | 0.70               | 2.73                     | 3.43           | -11.34                    | 2.96            | 10.00            | 4.07               | 2.19                     | 6.26           |
|                           | 8        | 0.57        | -10.79                    | 2.96            | 10.01            | 0.70               | 2.75                     | 3.45           | -11.39                    | 2.96            | 10.00            | 4.07               | 2.14                     | 6.21           |
| 5320                      | 0        | 0.57        | -10.91                    | 2.96            | 10.01            | 0.70               | 2.63                     | 3.33           | -11.21                    | 2.96            | 10.00            | 4.07               | 2.32                     | 6.39           |
|                           | 4        | 0.57        | -10.89                    | 2.96            | 10.01            | 0.70               | 2.65                     | 3.35           | -11.04                    | 2.96            | 10.00            | 4.07               | 2.49                     | 6.56           |
|                           | 8        | 0.57        | -10.84                    | 2.96            | 10.01            | 0.70               | 2.70                     | 3.40           | -10.91                    | 2.96            | 10.00            | 4.07               | 2.62                     | 6.69           |

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor  
e.i.r.p. Result = Conducted Power Result + Antenna Gain

15.407 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

For all test frequencies, B was applied the minimum value (18.036 MHz) as conservative limit.

RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

e.i.r.p. Limit (5150-5250MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250-5350MHz, 5470-5600MHz, 5650-5725MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (16.959 MHz) as conservative limit.

## Maximum Conducted Output Power

Test place Shonan EMC Lab. No.1 Measurement Room  
Date November 7, 2023 November 24, 2023 February 2, 2024  
Temperature / Humidity 25deg. C / 55 RH 22 deg. C / 46 % RH 22 deg. C / 37 % RH  
Engineer Kazuya Noda Yusuke Tanikawara Kazuya Noda  
Mode Tx, Ant 0 + Ant 2

11ax-20 (OFDMA) (SDM) 26-tone

| Tested Frequency [MHz] | RU Index | Conducted power |       |             |             |            |        |         |       | e.i.r.p. |      |       |              |              |            |        |         |
|------------------------|----------|-----------------|-------|-------------|-------------|------------|--------|---------|-------|----------|------|-------|--------------|--------------|------------|--------|---------|
|                        |          | 0               | Ant 2 | Sum         | Result      | FCC 15.407 | Margin | RSS-247 | Limit | Margin   | 0    | Ant 2 | Sum          | Result       | FCC 15.407 | Margin | RSS-247 |
|                        |          | [mW]            | [mW]  | [mW]        | [dBm]       | [dBm]      | [dB]   | [dBm]   | [dBm] | [dB]     | [mW] | [mW]  | [mW]         | [dBm]        | [dBm]      | [dB]   | [dBm]   |
| 5500                   | 0        | 1.70            | 1.78  | 3.48        | 5.42        | 23.56      | 18.14  | 23.29   | 17.87 |          | 2.00 | 4.55  | 6.55         | 8.16         | 29.97      | 21.81  | 29.29   |
|                        | 4        | 1.77            | 1.86  | 3.63        | 5.60        | 23.56      | 17.96  | 23.29   | 17.69 |          | 2.09 | 4.74  | 6.83         | 8.34         | 29.97      | 21.63  | 29.29   |
|                        | 8        | 1.78            | 1.86  | <b>3.65</b> | <b>5.62</b> | 23.56      | 17.94  | 23.29   | 17.67 |          | 2.09 | 4.75  | <b>6.85</b>  | <b>8.36</b>  | 29.97      | 21.61  | 29.29   |
| 5580                   | 0        | 1.71            | 1.75  | 3.46        | 5.39        | 23.56      | 18.17  | 23.29   | 17.90 |          | 2.01 | 4.47  | 6.47         | 8.11         | 29.97      | 21.86  | 29.29   |
|                        | 4        | 1.75            | 1.80  | 3.55        | 5.51        | 23.56      | 18.05  | 23.29   | 17.78 |          | 2.06 | 4.59  | 6.65         | 8.23         | 29.97      | 21.74  | 29.29   |
|                        | 8        | 1.73            | 1.85  | 3.58        | 5.54        | 23.56      | 18.02  | 23.29   | 17.75 |          | 2.04 | 4.71  | 6.75         | 8.29         | 29.97      | 21.68  | 29.29   |
| 5700                   | 0        | 1.60            | 1.56  | 3.16        | 5.00        | 23.56      | 18.56  | 23.29   | 18.29 |          | 1.88 | 3.99  | 5.87         | 7.69         | 29.97      | 22.28  | 29.29   |
|                        | 4        | 1.66            | 1.63  | 3.30        | 5.18        | 23.56      | 18.38  | 23.29   | 18.11 |          | 1.95 | 4.17  | 6.12         | 7.87         | 29.97      | 22.10  | 29.29   |
|                        | 8        | 1.66            | 1.61  | 3.27        | 5.15        | 23.56      | 18.41  | 23.29   | 18.14 |          | 1.95 | 4.12  | 6.07         | 7.83         | 29.97      | 22.14  | 29.29   |
| 5745                   | 0        | 4.63            | 4.41  | 9.03        | 9.56        | 30.00      | 20.44  | 30.00   | 20.44 |          | 5.43 | 11.25 | 16.68        | 12.22        | 36.00      | 23.78  | 36.00   |
|                        | 4        | 5.01            | 4.51  | 9.52        | 9.79        | 30.00      | 20.21  | 30.00   | 20.21 |          | 5.89 | 11.51 | 17.40        | 12.41        | 36.00      | 23.59  | 36.00   |
|                        | 8        | 4.85            | 4.37  | 9.22        | 9.65        | 30.00      | 20.35  | 30.00   | 20.35 |          | 5.70 | 11.15 | 16.85        | 12.27        | 36.00      | 23.73  | 36.00   |
| 5785                   | 0        | 4.57            | 4.99  | 9.56        | 9.81        | 30.00      | 20.19  | 30.00   | 20.19 |          | 5.37 | 12.74 | 18.11        | 12.58        | 36.00      | 23.42  | 36.00   |
|                        | 4        | 4.68            | 5.09  | 9.77        | 9.90        | 30.00      | 20.10  | 30.00   | 20.10 |          | 5.50 | 13.01 | 18.50        | 12.67        | 36.00      | 23.33  | 36.00   |
|                        | 8        | 4.79            | 5.14  | <b>9.93</b> | <b>9.97</b> | 30.00      | 20.03  | 30.00   | 20.03 |          | 5.62 | 13.13 | <b>18.75</b> | <b>12.73</b> | 36.00      | 23.27  | 36.00   |
| 5825                   | 0        | 4.72            | 4.58  | 9.30        | 9.69        | 30.00      | 20.31  | 30.00   | 20.31 |          | 5.55 | 11.70 | 17.25        | 12.37        | 36.00      | 23.63  | 36.00   |
|                        | 4        | 4.90            | 4.74  | 9.64        | 9.84        | 30.00      | 20.16  | 30.00   | 20.16 |          | 5.76 | 12.11 | 17.87        | 12.52        | 36.00      | 23.48  | 36.00   |
|                        | 8        | 4.88            | 4.74  | 9.62        | 9.83        | 30.00      | 20.17  | 30.00   | 20.17 |          | 5.73 | 12.11 | 17.84        | 12.51        | 36.00      | 23.49  | 36.00   |

| Tested Frequency [MHz] | RU Index | Duty Factor [dB] | Ant 0                     |                 |                  |                    |                          |                | Ant 2                     |                 |                  |                    |                          |                |
|------------------------|----------|------------------|---------------------------|-----------------|------------------|--------------------|--------------------------|----------------|---------------------------|-----------------|------------------|--------------------|--------------------------|----------------|
|                        |          |                  | Power Meter Reading [dBm] | Cable Loss [dB] | Atten. Loss [dB] | Antenna Gain [dBi] | Result Cond. Power [dBm] | e.i.r.p. [dBm] | Power Meter Reading [dBm] | Cable Loss [dB] | Atten. Loss [dB] | Antenna Gain [dBi] | Result Cond. Power [dBm] | e.i.r.p. [dBm] |
| 5500                   | 0        | 0.57             | -11.26                    | 2.98            | 10.01            | 0.70               | 2.30                     | 3.00           | -11.05                    | 2.98            | 10.01            | 4.07               | 2.51                     | 6.58           |
|                        | 4        | 0.57             | -11.07                    | 2.98            | 10.01            | 0.70               | 2.49                     | 3.19           | -10.87                    | 2.98            | 10.01            | 4.07               | 2.69                     | 6.76           |
|                        | 8        | 0.57             | -11.05                    | 2.98            | 10.01            | 0.70               | 2.51                     | 3.21           | -10.86                    | 2.98            | 10.01            | 4.07               | 2.70                     | 6.77           |
| 5580                   | 0        | 0.57             | -11.24                    | 2.98            | 10.01            | 0.70               | 2.32                     | 3.02           | -11.13                    | 2.98            | 10.01            | 4.07               | 2.43                     | 6.50           |
|                        | 4        | 0.57             | -11.12                    | 2.98            | 10.01            | 0.70               | 2.44                     | 3.14           | -11.01                    | 2.98            | 10.01            | 4.07               | 2.55                     | 6.62           |
|                        | 8        | 0.57             | -11.17                    | 2.98            | 10.01            | 0.70               | 2.39                     | 3.09           | -10.90                    | 2.98            | 10.01            | 4.07               | 2.66                     | 6.73           |
| 5700                   | 0        | 0.57             | -11.53                    | 2.99            | 10.01            | 0.70               | 2.04                     | 2.74           | -11.63                    | 2.99            | 10.01            | 4.07               | 1.94                     | 6.01           |
|                        | 4        | 0.57             | -11.36                    | 2.99            | 10.01            | 0.70               | 2.21                     | 2.91           | -11.44                    | 2.99            | 10.01            | 4.07               | 2.13                     | 6.20           |
|                        | 8        | 0.57             | -11.38                    | 2.99            | 10.01            | 0.70               | 2.19                     | 2.89           | -11.49                    | 2.99            | 10.01            | 4.07               | 2.08                     | 6.15           |
| 5745                   | 0        | 0.57             | -6.93                     | 3.00            | 10.01            | 0.70               | 6.65                     | 7.35           | -7.15                     | 3.00            | 10.02            | 4.07               | 6.44                     | 10.51          |
|                        | 4        | 0.57             | -6.58                     | 3.00            | 10.01            | 0.70               | 7.00                     | 7.70           | -7.05                     | 3.00            | 10.02            | 4.07               | 6.54                     | 10.61          |
|                        | 8        | 0.57             | -6.72                     | 3.00            | 10.01            | 0.70               | 6.86                     | 7.56           | -7.19                     | 3.00            | 10.02            | 4.07               | 6.40                     | 10.47          |
| 5785                   | 0        | 0.57             | -6.98                     | 3.00            | 10.01            | 0.70               | 6.60                     | 7.30           | -6.61                     | 3.00            | 10.02            | 4.07               | 6.98                     | 11.05          |
|                        | 4        | 0.57             | -6.88                     | 3.00            | 10.01            | 0.70               | 6.70                     | 7.40           | -6.52                     | 3.00            | 10.02            | 4.07               | 7.07                     | 11.14          |
|                        | 8        | 0.57             | -6.78                     | 3.00            | 10.01            | 0.70               | 6.80                     | 7.50           | -6.48                     | 3.00            | 10.02            | 4.07               | 7.11                     | 11.18          |
| 5825                   | 0        | 0.57             | -6.84                     | 3.00            | 10.01            | 0.70               | 6.74                     | 7.44           | -6.98                     | 3.00            | 10.02            | 4.07               | 6.61                     | 10.68          |
|                        | 4        | 0.57             | -6.68                     | 3.00            | 10.01            | 0.70               | 6.90                     | 7.60           | -6.83                     | 3.00            | 10.02            | 4.07               | 6.76                     | 10.83          |
|                        | 8        | 0.57             | -6.70                     | 3.00            | 10.01            | 0.70               | 6.88                     | 7.58           | -6.83                     | 3.00            | 10.02            | 4.07               | 6.76                     | 10.83          |

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor  
e.i.r.p. Result = Conducted Power Result + Antenna Gain

15.407 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

For all test frequencies, B was applied the minimum value (18.036 MHz) as conservative limit.

RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

e.i.r.p. Limit (5150-5250MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250-5350MHz, 5470-5600MHz, 5650-5725MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (16.959 MHz) as conservative limit.

## Maximum Conducted Output Power

|                        |                                       |                     |                     |
|------------------------|---------------------------------------|---------------------|---------------------|
| Test place             | Shonan EMC Lab. No.1 Measurement Room |                     |                     |
| Date                   | November 7, 2023                      | November 24, 2023   | February 2, 2024    |
| Temperature / Humidity | 25deg. C / 55 RH                      | 22 deg. C / 46 % RH | 22 deg. C / 37 % RH |
| Engineer               | Kazuya Noda                           | Yusuke Tanikawara   | Kazuya Noda         |
| Mode                   | Tx, Ant 0 + Ant 2                     |                     |                     |

### 11ax-20 (OFDMA) (SDM) 52-tone

| Tested Frequency [MHz] | RU Index | Conducted power |       |      |        |                  |        |               |        | e.i.r.p. |       |       |        |                  |        |               |        |
|------------------------|----------|-----------------|-------|------|--------|------------------|--------|---------------|--------|----------|-------|-------|--------|------------------|--------|---------------|--------|
|                        |          | 0               | Ant 2 | Sum  | Result | FCC 15.407 Limit | Margin | RSS-247 Limit | Margin | 0        | Ant 2 | Sum   | Result | FCC 15.407 Limit | Margin | RSS-247 Limit | Margin |
|                        |          | [mW]            | [mW]  | [mW] | [dBm]  | [dBm]            | [dB]   | [dBm]         | [dB]   | [mW]     | [mW]  | [mW]  | [dBm]  | [dBm]            | [dB]   | [dBm]         | [dB]   |
| 5180                   | 37       | 2.75            | 2.68  | 5.43 | 7.35   | 23.97            | 16.62  | -             | -      | 3.23     | 6.85  | 10.08 | 10.03  | 29.97            | 19.94  | 22.29         | 12.26  |
|                        | 38       | 2.82            | 2.74  | 5.56 | 7.45   | 23.97            | 16.52  | -             | -      | 3.32     | 6.99  | 10.31 | 10.13  | 29.97            | 19.84  | 22.29         | 12.16  |
|                        | 40       | 2.81            | 2.82  | 5.63 | 7.50   | 23.97            | 16.47  | -             | -      | 3.30     | 7.19  | 10.49 | 10.21  | 29.97            | 19.76  | 22.29         | 12.08  |
| 5220                   | 37       | 3.12            | 3.07  | 6.19 | 7.92   | 23.97            | 16.05  | -             | -      | 3.67     | 7.83  | 11.50 | 10.61  | 29.97            | 19.36  | 22.29         | 11.68  |
|                        | 38       | 3.20            | 3.10  | 6.30 | 7.99   | 23.97            | 15.98  | -             | -      | 3.76     | 7.92  | 11.68 | 10.67  | 29.97            | 19.30  | 22.29         | 11.62  |
|                        | 40       | 3.18            | 3.08  | 6.26 | 7.97   | 23.97            | 16.00  | -             | -      | 3.74     | 7.87  | 11.61 | 10.65  | 29.97            | 19.32  | 22.29         | 11.64  |
| 5240                   | 37       | 3.20            | 3.03  | 6.24 | 7.95   | 23.97            | 16.02  | -             | -      | 3.76     | 7.74  | 11.51 | 10.61  | 29.97            | 19.36  | 22.29         | 11.68  |
|                        | 38       | 3.16            | 3.10  | 6.26 | 7.97   | 23.97            | 16.00  | -             | -      | 3.71     | 7.92  | 11.63 | 10.66  | 29.97            | 19.31  | 22.29         | 11.63  |
|                        | 40       | 3.20            | 3.10  | 6.30 | 7.99   | 23.97            | 15.98  | -             | -      | 3.76     | 7.90  | 11.67 | 10.67  | 29.97            | 19.30  | 22.29         | 11.62  |
| 5260                   | 37       | 3.37            | 3.36  | 6.73 | 8.28   | 23.58            | 15.30  | 23.29         | 15.01  | 3.96     | 8.59  | 12.55 | 10.99  | 29.97            | 18.98  | 29.29         | 18.30  |
|                        | 38       | 3.32            | 3.48  | 6.81 | 8.33   | 23.58            | 15.25  | 23.29         | 14.96  | 3.91     | 8.89  | 12.79 | 11.07  | 29.97            | 18.90  | 29.29         | 18.22  |
|                        | 40       | 3.35            | 3.52  | 6.87 | 8.37   | 23.58            | 15.21  | 23.29         | 14.92  | 3.93     | 8.99  | 12.92 | 11.11  | 29.97            | 18.86  | 29.29         | 18.18  |
| 5300                   | 37       | 3.48            | 3.03  | 6.51 | 8.14   | 23.58            | 15.44  | 23.29         | 15.15  | 4.09     | 7.74  | 11.83 | 10.73  | 29.97            | 19.24  | 29.29         | 18.56  |
|                        | 38       | 3.50            | 3.10  | 6.59 | 8.19   | 23.58            | 15.39  | 23.29         | 15.10  | 4.11     | 7.90  | 12.01 | 10.80  | 29.97            | 19.17  | 29.29         | 18.49  |
|                        | 40       | 3.54            | 3.12  | 6.66 | 8.23   | 23.58            | 15.35  | 23.29         | 15.06  | 4.16     | 7.96  | 12.11 | 10.83  | 29.97            | 19.14  | 29.29         | 18.46  |
| 5320                   | 37       | 3.71            | 3.53  | 7.24 | 8.60   | 23.58            | 14.98  | 23.29         | 14.69  | 4.36     | 9.01  | 13.37 | 11.26  | 29.97            | 18.71  | 29.29         | 18.03  |
|                        | 38       | 3.78            | 3.60  | 7.39 | 8.68   | 23.58            | 14.90  | 23.29         | 14.61  | 4.44     | 9.20  | 13.64 | 11.35  | 29.97            | 18.62  | 29.29         | 17.94  |
|                        | 40       | 3.84            | 3.71  | 7.56 | 8.78   | 23.58            | 14.80  | 23.29         | 14.51  | 4.52     | 9.48  | 13.99 | 11.46  | 29.97            | 18.51  | 29.29         | 17.83  |

| Tested Frequency [MHz] | RU Index | Duty Factor [dB] | Ant 0                     |                 |                  |                    |                   |                | Ant 2                     |                 |                  |                    |                   |                |
|------------------------|----------|------------------|---------------------------|-----------------|------------------|--------------------|-------------------|----------------|---------------------------|-----------------|------------------|--------------------|-------------------|----------------|
|                        |          |                  | Power Meter Reading [dBm] | Cable Loss [dB] | Atten. Loss [dB] | Antenna Gain [dBi] | Cond. Power [dBm] | e.i.r.p. [dBm] | Power Meter Reading [dBm] | Cable Loss [dB] | Atten. Loss [dB] | Antenna Gain [dBi] | Cond. Power [dBm] | e.i.r.p. [dBm] |
| 5180                   | 37       | 0.89             | -9.46                     | 2.95            | 10.01            | 0.70               | 4.39              | 5.09           | -9.55                     | 2.95            | 10.00            | 4.07               | 4.29              | 8.36           |
|                        | 38       | 0.89             | -9.34                     | 2.95            | 10.01            | 0.70               | 4.51              | 5.21           | -9.46                     | 2.95            | 10.00            | 4.07               | 4.38              | 8.45           |
|                        | 40       | 0.89             | -9.36                     | 2.95            | 10.01            | 0.70               | 4.49              | 5.19           | -9.34                     | 2.95            | 10.00            | 4.07               | 4.50              | 8.57           |
| 5220                   | 37       | 0.89             | -8.90                     | 2.95            | 10.01            | 0.70               | 4.95              | 5.65           | -8.97                     | 2.95            | 10.00            | 4.07               | 4.87              | 8.94           |
|                        | 38       | 0.89             | -8.80                     | 2.95            | 10.01            | 0.70               | 5.05              | 5.75           | -8.92                     | 2.95            | 10.00            | 4.07               | 4.92              | 8.99           |
|                        | 40       | 0.89             | -8.82                     | 2.95            | 10.01            | 0.70               | 5.03              | 5.73           | -8.95                     | 2.95            | 10.00            | 4.07               | 4.89              | 8.96           |
| 5240                   | 37       | 0.89             | -8.79                     | 2.95            | 10.01            | 0.70               | 5.06              | 5.76           | -9.02                     | 2.95            | 10.00            | 4.07               | 4.82              | 8.89           |
|                        | 38       | 0.89             | -8.85                     | 2.95            | 10.01            | 0.70               | 5.00              | 5.70           | -8.92                     | 2.95            | 10.00            | 4.07               | 4.92              | 8.99           |
|                        | 40       | 0.89             | -8.79                     | 2.95            | 10.01            | 0.70               | 5.06              | 5.76           | -8.93                     | 2.95            | 10.00            | 4.07               | 4.91              | 8.98           |
| 5260                   | 37       | 0.89             | -8.57                     | 2.95            | 10.01            | 0.70               | 5.28              | 5.98           | -8.58                     | 2.96            | 10.00            | 4.07               | 5.27              | 9.34           |
|                        | 38       | 0.89             | -8.63                     | 2.95            | 10.01            | 0.70               | 5.22              | 5.92           | -8.43                     | 2.96            | 10.00            | 4.07               | 5.42              | 9.49           |
|                        | 40       | 0.89             | -8.60                     | 2.95            | 10.01            | 0.70               | 5.25              | 5.95           | -8.38                     | 2.96            | 10.00            | 4.07               | 5.47              | 9.54           |
| 5300                   | 37       | 0.89             | -8.44                     | 2.96            | 10.01            | 0.70               | 5.42              | 6.12           | -9.03                     | 2.96            | 10.00            | 4.07               | 4.82              | 8.89           |
|                        | 38       | 0.89             | -8.42                     | 2.96            | 10.01            | 0.70               | 5.44              | 6.14           | -8.94                     | 2.96            | 10.00            | 4.07               | 4.91              | 8.98           |
|                        | 40       | 0.89             | -8.37                     | 2.96            | 10.01            | 0.70               | 5.49              | 6.19           | -8.91                     | 2.96            | 10.00            | 4.07               | 4.94              | 9.01           |
| 5320                   | 37       | 0.89             | -8.16                     | 2.96            | 10.01            | 0.70               | 5.70              | 6.40           | -8.37                     | 2.96            | 10.00            | 4.07               | 5.48              | 9.55           |
|                        | 38       | 0.89             | -8.08                     | 2.96            | 10.01            | 0.70               | 5.78              | 6.48           | -8.28                     | 2.96            | 10.00            | 4.07               | 5.57              | 9.64           |
|                        | 40       | 0.89             | -8.01                     | 2.96            | 10.01            | 0.70               | 5.85              | 6.55           | -8.15                     | 2.96            | 10.00            | 4.07               | 5.70              | 9.77           |

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor  
e.i.r.p. Result = Conducted Power Result + Antenna Gain

15.407 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

For all test frequencies, B was applied the minimum value (18.147 MHz) as conservative limit.

RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

e.i.r.p. Limit (5150-5250MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250-5350MHz, 5470-5600MHz, 5650-5725MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (16.980 MHz) as conservative limit.

## Maximum Conducted Output Power

|                        |                                       |                     |                     |
|------------------------|---------------------------------------|---------------------|---------------------|
| Test place             | Shonan EMC Lab. No.1 Measurement Room |                     |                     |
| Date                   | November 7, 2023                      | November 24, 2023   | February 2, 2024    |
| Temperature / Humidity | 25deg. C / 55 RH                      | 22 deg. C / 46 % RH | 22 deg. C / 37 % RH |
| Engineer               | Kazuya Noda                           | Yusuke Tanikawara   | Kazuya Noda         |
| Mode                   | Tx, Ant 0 + Ant 2                     |                     |                     |

11ax-20 (OFDMA) (SDM) 52-tone

| Tested Frequency [MHz] | RU Index | Conducted power |       |      |        |                  |        |               |        | e.i.r.p. |       |       |        |                  |        |               |        |
|------------------------|----------|-----------------|-------|------|--------|------------------|--------|---------------|--------|----------|-------|-------|--------|------------------|--------|---------------|--------|
|                        |          | 0               | Ant 2 | Sum  | Result | FCC 15.407 Limit | Margin | RSS-247 Limit | Margin | 0        | Ant 2 | Sum   | Result | FCC 15.407 Limit | Margin | RSS-247 Limit | Margin |
|                        |          | [mW]            | [mW]  | [mW] | [dBm]  | [dBm]            | [dB]   | [dBm]         | [dB]   | [mW]     | [mW]  | [mW]  | [dBm]  | [dBm]            | [dB]   | [dBm]         | [dB]   |
| 5500                   | 37       | 3.55            | 3.70  | 7.26 | 8.61   | 23.58            | 14.97  | 23.29         | 14.68  | 4.18     | 9.46  | 13.63 | 11.35  | 29.97            | 18.62  | 29.29         | 17.94  |
|                        | 38       | 3.53            | 3.76  | 7.29 | 8.63   | 23.58            | 14.95  | 23.29         | 14.66  | 4.15     | 9.61  | 13.76 | 11.39  | 29.97            | 18.58  | 29.29         | 17.90  |
|                        | 40       | 3.56            | 3.79  | 7.35 | 8.66   | 23.58            | 14.92  | 23.29         | 14.63  | 4.19     | 9.68  | 13.86 | 11.42  | 29.97            | 18.55  | 29.29         | 17.87  |
| 5580                   | 37       | 3.25            | 3.74  | 6.99 | 8.44   | 23.58            | 15.14  | 23.29         | 14.85  | 3.82     | 9.54  | 13.36 | 11.26  | 29.97            | 18.71  | 29.29         | 18.03  |
|                        | 38       | 3.33            | 3.83  | 7.16 | 8.55   | 23.58            | 15.03  | 23.29         | 14.74  | 3.92     | 9.77  | 13.68 | 11.36  | 29.97            | 18.61  | 29.29         | 17.93  |
|                        | 40       | 3.29            | 3.80  | 7.09 | 8.50   | 23.58            | 15.08  | 23.29         | 14.79  | 3.86     | 9.70  | 13.56 | 11.32  | 29.97            | 18.65  | 29.29         | 17.97  |
| 5700                   | 37       | 3.29            | 3.23  | 6.52 | 8.14   | 23.58            | 15.44  | 23.29         | 15.15  | 3.87     | 8.24  | 12.11 | 10.83  | 29.97            | 19.14  | 29.29         | 18.46  |
|                        | 38       | 3.37            | 3.28  | 6.65 | 8.23   | 23.58            | 15.35  | 23.29         | 15.06  | 3.96     | 8.37  | 12.33 | 10.91  | 29.97            | 19.06  | 29.29         | 18.38  |
|                        | 40       | 3.39            | 3.30  | 6.69 | 8.25   | 23.58            | 15.33  | 23.29         | 15.04  | 3.98     | 8.43  | 12.41 | 10.94  | 29.97            | 19.03  | 29.29         | 18.35  |
| 5745                   | 37       | 4.86            | 4.41  | 9.27 | 9.67   | 30.00            | 20.33  | 30.00         | 20.33  | 5.71     | 11.27 | 16.98 | 12.30  | 36.00            | 23.70  | 36.00         | 23.70  |
|                        | 38       | 4.99            | 4.43  | 9.42 | 9.74   | 30.00            | 20.26  | 30.00         | 20.26  | 5.86     | 11.32 | 17.18 | 12.35  | 36.00            | 23.65  | 36.00         | 23.65  |
|                        | 40       | 5.01            | 4.39  | 9.40 | 9.73   | 30.00            | 20.27  | 30.00         | 20.27  | 5.89     | 11.21 | 17.10 | 12.33  | 36.00            | 23.67  | 36.00         | 23.67  |
| 5785                   | 37       | 4.52            | 4.42  | 8.94 | 9.51   | 30.00            | 20.49  | 30.00         | 20.49  | 5.31     | 11.29 | 16.60 | 12.20  | 36.00            | 23.80  | 36.00         | 23.80  |
|                        | 38       | 4.58            | 4.45  | 9.03 | 9.56   | 30.00            | 20.44  | 30.00         | 20.44  | 5.38     | 11.37 | 16.75 | 12.24  | 36.00            | 23.76  | 36.00         | 23.76  |
|                        | 40       | 4.60            | 4.41  | 9.01 | 9.55   | 30.00            | 20.45  | 30.00         | 20.45  | 5.40     | 11.27 | 16.67 | 12.22  | 36.00            | 23.78  | 36.00         | 23.78  |
| 5825                   | 37       | 4.70            | 4.58  | 9.28 | 9.67   | 30.00            | 20.33  | 30.00         | 20.33  | 5.52     | 11.69 | 17.21 | 12.36  | 36.00            | 23.64  | 36.00         | 23.64  |
|                        | 38       | 4.87            | 4.67  | 9.55 | 9.80   | 30.00            | 20.20  | 30.00         | 20.20  | 5.72     | 11.93 | 17.66 | 12.47  | 36.00            | 23.53  | 36.00         | 23.53  |
|                        | 40       | 4.72            | 4.70  | 9.41 | 9.74   | 30.00            | 20.26  | 30.00         | 20.26  | 5.54     | 11.99 | 17.53 | 12.44  | 36.00            | 23.56  | 36.00         | 23.56  |

| Tested Frequency [MHz] | RU Index | Duty Factor [dB] | Ant 0                     |                 |                  |                    |                          |                       | Ant 2                     |                 |                  |                    |                          |                       |
|------------------------|----------|------------------|---------------------------|-----------------|------------------|--------------------|--------------------------|-----------------------|---------------------------|-----------------|------------------|--------------------|--------------------------|-----------------------|
|                        |          |                  | Power Meter Reading [dBm] | Cable Loss [dB] | Atten. Loss [dB] | Antenna Gain [dBi] | Result Cond. Power [dBm] | Result e.i.r.p. [dBm] | Power Meter Reading [dBm] | Cable Loss [dB] | Atten. Loss [dB] | Antenna Gain [dBi] | Result Cond. Power [dBm] | Result e.i.r.p. [dBm] |
| 5500                   | 37       | 0.89             | -8.37                     | 2.98            | 10.01            | 0.70               | 5.51                     | 6.21                  | -8.19                     | 2.98            | 10.01            | 4.07               | 5.69                     | 9.76                  |
|                        | 38       | 0.89             | -8.40                     | 2.98            | 10.01            | 0.70               | 5.48                     | 6.18                  | -8.12                     | 2.98            | 10.01            | 4.07               | 5.76                     | 9.83                  |
|                        | 40       | 0.89             | -8.36                     | 2.98            | 10.01            | 0.70               | 5.52                     | 6.22                  | -8.09                     | 2.98            | 10.01            | 4.07               | 5.79                     | 9.86                  |
| 5580                   | 37       | 0.89             | -8.76                     | 2.98            | 10.01            | 0.70               | 5.12                     | 5.82                  | -8.15                     | 2.98            | 10.01            | 4.07               | 5.73                     | 9.80                  |
|                        | 38       | 0.89             | -8.65                     | 2.98            | 10.01            | 0.70               | 5.23                     | 5.93                  | -8.05                     | 2.98            | 10.01            | 4.07               | 5.83                     | 9.90                  |
|                        | 40       | 0.89             | -8.71                     | 2.98            | 10.01            | 0.70               | 5.17                     | 5.87                  | -8.08                     | 2.98            | 10.01            | 4.07               | 5.80                     | 9.87                  |
| 5700                   | 37       | 0.89             | -8.71                     | 2.99            | 10.01            | 0.70               | 5.18                     | 5.88                  | -8.80                     | 2.99            | 10.01            | 4.07               | 5.09                     | 9.16                  |
|                        | 38       | 0.89             | -8.61                     | 2.99            | 10.01            | 0.70               | 5.28                     | 5.98                  | -8.73                     | 2.99            | 10.01            | 4.07               | 5.16                     | 9.23                  |
|                        | 40       | 0.89             | -8.59                     | 2.99            | 10.01            | 0.70               | 5.30                     | 6.00                  | -8.70                     | 2.99            | 10.01            | 4.07               | 5.19                     | 9.26                  |
| 5745                   | 37       | 0.89             | -7.03                     | 3.00            | 10.01            | 0.70               | 6.87                     | 7.57                  | -7.46                     | 3.00            | 10.02            | 4.07               | 6.45                     | 10.52                 |
|                        | 38       | 0.89             | -6.92                     | 3.00            | 10.01            | 0.70               | 6.98                     | 7.68                  | -7.44                     | 3.00            | 10.02            | 4.07               | 6.47                     | 10.54                 |
|                        | 40       | 0.89             | -6.90                     | 3.00            | 10.01            | 0.70               | 7.00                     | 7.70                  | -7.48                     | 3.00            | 10.02            | 4.07               | 6.43                     | 10.50                 |
| 5785                   | 37       | 0.89             | -7.35                     | 3.00            | 10.01            | 0.70               | 6.55                     | 7.25                  | -7.45                     | 3.00            | 10.02            | 4.07               | 6.46                     | 10.53                 |
|                        | 38       | 0.89             | -7.29                     | 3.00            | 10.01            | 0.70               | 6.61                     | 7.31                  | -7.42                     | 3.00            | 10.02            | 4.07               | 6.49                     | 10.56                 |
|                        | 40       | 0.89             | -7.27                     | 3.00            | 10.01            | 0.70               | 6.63                     | 7.33                  | -7.46                     | 3.00            | 10.02            | 4.07               | 6.45                     | 10.52                 |
| 5825                   | 37       | 0.89             | -7.18                     | 3.00            | 10.01            | 0.70               | 6.72                     | 7.42                  | -7.30                     | 3.00            | 10.02            | 4.07               | 6.61                     | 10.68                 |
|                        | 38       | 0.89             | -7.02                     | 3.00            | 10.01            | 0.70               | 6.88                     | 7.58                  | -7.21                     | 3.00            | 10.02            | 4.07               | 6.70                     | 10.77                 |
|                        | 40       | 0.89             | -7.16                     | 3.00            | 10.01            | 0.70               | 6.74                     | 7.44                  | -7.19                     | 3.00            | 10.02            | 4.07               | 6.72                     | 10.79                 |

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor  
e.i.r.p. Result = Conducted Power Result + Antenna Gain

15.407 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

For all test frequencies, B was applied the minimum value (18.147 MHz) as conservative limit.

RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

e.i.r.p. Limit (5150-5250MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250-5350MHz, 5470-5600MHz, 5650-5725MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (16.980 MHz) as conservative limit.

## Maximum Conducted Output Power

Test place  
Date  
Temperature / Humidity  
Engineer  
Mode

Shonan EMC Lab. No.1 Measurement Room  
November 7, 2023 February 2, 2024  
25deg. C / 55 RH 22 deg. C / 37 % RH  
Kazuya Noda Kazuya Noda  
Tx, Ant 0 + Ant 2

### 11ax-20 (OFDMA) (SDM) 106-tone

| Tested Frequency [MHz] | RU Index | Conducted power |       |       |        |                  |        |               |        | e.i.r.p. |       |       |        |                  |        |               |        |
|------------------------|----------|-----------------|-------|-------|--------|------------------|--------|---------------|--------|----------|-------|-------|--------|------------------|--------|---------------|--------|
|                        |          | 0               | Ant 2 | Sum   | Result | FCC 15.407 Limit | Margin | RSS-247 Limit | Margin | 0        | Ant 2 | Sum   | Result | FCC 15.407 Limit | Margin | RSS-247 Limit | Margin |
|                        |          | [mW]            | [mW]  | [mW]  | [dBm]  | [dBm]            | [dB]   | [dBm]         | [dB]   | [mW]     | [mW]  | [mW]  | [dBm]  | [dBm]            | [dB]   | [dBm]         | [dB]   |
| 5180                   | 53       | 5.83            | 5.63  | 11.45 | 10.59  | 23.97            | 13.38  | -             | -      | 6.84     | 14.37 | 21.21 | 13.27  | 29.97            | 16.70  | 22.55         | 9.28   |
|                        | 54       | 5.99            | 5.87  | 11.85 | 10.74  | 23.97            | 13.23  | -             | -      | 7.04     | 14.97 | 22.01 | 13.43  | 29.97            | 16.54  | 22.55         | 9.12   |
| 5220                   | 53       | 6.13            | 6.09  | 12.21 | 10.87  | 23.97            | 13.10  | -             | -      | 7.20     | 15.54 | 22.74 | 13.57  | 29.97            | 16.40  | 22.55         | 8.98   |
|                        | 54       | 6.09            | 6.17  | 12.26 | 10.88  | 23.97            | 13.09  | -             | -      | 7.15     | 15.75 | 22.90 | 13.60  | 29.97            | 16.37  | 22.55         | 8.95   |
| 5240                   | 53       | 6.13            | 6.06  | 12.19 | 10.86  | 23.97            | 13.11  | -             | -      | 7.20     | 15.46 | 22.66 | 13.55  | 29.97            | 16.42  | 22.55         | 9.00   |
|                        | 54       | 6.34            | 6.18  | 12.53 | 10.98  | 23.97            | 12.99  | -             | -      | 7.45     | 15.79 | 23.24 | 13.66  | 29.97            | 16.31  | 22.55         | 8.89   |
| 5260                   | 53       | 6.23            | 6.48  | 12.70 | 11.04  | 23.97            | 12.93  | 23.55         | 12.51  | 7.32     | 16.53 | 23.85 | 13.77  | 29.97            | 16.20  | 29.55         | 15.78  |
|                        | 54       | 6.13            | 6.60  | 12.72 | 11.05  | 23.97            | 12.92  | 23.55         | 12.50  | 7.20     | 16.84 | 24.04 | 13.81  | 29.97            | 16.16  | 29.55         | 15.74  |
| 5300                   | 53       | 6.39            | 5.96  | 12.35 | 10.92  | 23.97            | 13.05  | 23.55         | 12.63  | 7.50     | 15.22 | 22.72 | 13.56  | 29.97            | 16.41  | 29.55         | 15.99  |
|                        | 54       | 6.57            | 6.17  | 12.74 | 11.05  | 23.97            | 12.92  | 23.55         | 12.50  | 7.71     | 15.75 | 23.47 | 13.70  | 29.97            | 16.27  | 29.55         | 15.85  |
| 5320                   | 53       | 6.73            | 6.46  | 13.20 | 11.20  | 23.97            | 12.77  | 23.55         | 12.35  | 7.91     | 16.49 | 24.41 | 13.88  | 29.97            | 16.09  | 29.55         | 15.67  |
|                        | 54       | 6.91            | 6.75  | 13.66 | 11.35  | 23.97            | 12.62  | 23.55         | 12.20  | 8.12     | 17.23 | 25.35 | 14.04  | 29.97            | 15.93  | 29.55         | 15.51  |
| 5500                   | 53       | 5.95            | 6.26  | 12.20 | 10.87  | 23.97            | 13.10  | 23.55         | 12.68  | 6.99     | 15.97 | 22.96 | 13.61  | 29.97            | 16.36  | 29.55         | 15.94  |
|                        | 54       | 6.02            | 6.42  | 12.43 | 10.95  | 23.97            | 13.02  | 23.55         | 12.60  | 7.07     | 16.38 | 23.45 | 13.70  | 29.97            | 16.27  | 29.55         | 15.85  |
| 5580                   | 53       | 5.81            | 6.83  | 12.64 | 11.02  | 23.97            | 12.95  | 23.55         | 12.53  | 6.83     | 17.43 | 24.26 | 13.85  | 29.97            | 16.12  | 29.55         | 15.70  |
|                        | 54       | 5.89            | 7.07  | 12.96 | 11.13  | 23.97            | 12.84  | 23.55         | 12.42  | 6.92     | 18.04 | 24.97 | 13.97  | 29.97            | 16.00  | 29.55         | 15.58  |
| 5700                   | 53       | 5.81            | 5.35  | 11.16 | 10.48  | 23.97            | 13.49  | 23.55         | 13.07  | 6.83     | 13.66 | 20.48 | 13.11  | 29.97            | 16.86  | 29.55         | 16.44  |
|                        | 54       | 5.93            | 5.45  | 11.38 | 10.56  | 23.97            | 13.41  | 23.55         | 12.99  | 6.97     | 13.91 | 20.88 | 13.20  | 29.97            | 16.77  | 29.55         | 16.35  |
| 5745                   | 53       | 5.19            | 4.15  | 9.34  | 9.71   | 30.00            | 20.29  | 30.00         | 20.29  | 6.10     | 10.60 | 16.70 | 12.23  | 36.00            | 23.77  | 36.00         | 23.77  |
|                        | 54       | 5.34            | 4.11  | 9.44  | 9.75   | 30.00            | 20.25  | 30.00         | 20.25  | 6.27     | 10.48 | 16.75 | 12.24  | 36.00            | 23.76  | 36.00         | 23.76  |
| 5785                   | 53       | 4.70            | 4.91  | 9.62  | 9.83   | 30.00            | 20.17  | 30.00         | 20.17  | 5.52     | 12.54 | 18.07 | 12.57  | 36.00            | 23.43  | 36.00         | 23.43  |
|                        | 54       | 4.81            | 4.97  | 9.78  | 9.90   | 30.00            | 20.10  | 30.00         | 20.10  | 5.65     | 12.69 | 18.34 | 12.63  | 36.00            | 23.37  | 36.00         | 23.37  |
| 5825                   | 53       | 4.67            | 4.62  | 9.29  | 9.68   | 30.00            | 20.32  | 30.00         | 20.32  | 5.49     | 11.79 | 17.27 | 12.37  | 36.00            | 23.63  | 36.00         | 23.63  |
|                        | 54       | 4.77            | 4.65  | 9.42  | 9.74   | 30.00            | 20.26  | 30.00         | 20.26  | 5.60     | 11.87 | 17.47 | 12.42  | 36.00            | 23.58  | 36.00         | 23.58  |

| Tested Frequency [MHz] | RU Index | Duty Factor [dB] | Ant 0                     |                 |                  |                    |                   |                | Ant 2                     |                 |                  |                    |                   |                |
|------------------------|----------|------------------|---------------------------|-----------------|------------------|--------------------|-------------------|----------------|---------------------------|-----------------|------------------|--------------------|-------------------|----------------|
|                        |          |                  | Power Meter Reading [dBm] | Cable Loss [dB] | Atten. Loss [dB] | Antenna Gain [dBi] | Cond. Power [dBm] | e.i.r.p. [dBm] | Power Meter Reading [dBm] | Cable Loss [dB] | Atten. Loss [dB] | Antenna Gain [dBi] | Cond. Power [dBm] | e.i.r.p. [dBm] |
| 5180                   | 53       | 1.12             | -6.43                     | 2.95            | 10.01            | 0.70               | 7.65              | 8.35           | -6.57                     | 2.95            | 10.00            | 4.07               | 7.50              | 11.57          |
|                        | 54       | 1.12             | -6.31                     | 2.95            | 10.01            | 0.70               | 7.77              | 8.47           | -6.39                     | 2.95            | 10.00            | 4.07               | 7.68              | 11.75          |
| 5220                   | 53       | 1.12             | -6.21                     | 2.95            | 10.01            | 0.70               | 7.87              | 8.57           | -6.23                     | 2.95            | 10.00            | 4.07               | 7.84              | 11.91          |
|                        | 54       | 1.12             | -6.24                     | 2.95            | 10.01            | 0.70               | 7.84              | 8.54           | -6.17                     | 2.95            | 10.00            | 4.07               | 7.90              | 11.97          |
| 5240                   | 53       | 1.12             | -6.21                     | 2.95            | 10.01            | 0.70               | 7.87              | 8.57           | -6.25                     | 2.95            | 10.00            | 4.07               | 7.82              | 11.89          |
|                        | 54       | 1.12             | -6.06                     | 2.95            | 10.01            | 0.70               | 8.02              | 8.72           | -6.16                     | 2.95            | 10.00            | 4.07               | 7.91              | 11.98          |
| 5260                   | 53       | 1.12             | -6.14                     | 2.95            | 10.01            | 0.70               | 7.94              | 8.64           | -5.97                     | 2.96            | 10.00            | 4.07               | 8.11              | 12.18          |
|                        | 54       | 1.12             | -6.21                     | 2.95            | 10.01            | 0.70               | 7.87              | 8.57           | -5.89                     | 2.96            | 10.00            | 4.07               | 8.19              | 12.26          |
| 5300                   | 53       | 1.12             | -6.04                     | 2.96            | 10.01            | 0.70               | 8.05              | 8.75           | -6.33                     | 2.96            | 10.00            | 4.07               | 7.75              | 11.82          |
|                        | 54       | 1.12             | -5.92                     | 2.96            | 10.01            | 0.70               | 8.17              | 8.87           | -6.18                     | 2.96            | 10.00            | 4.07               | 7.90              | 11.97          |
| 5320                   | 53       | 1.12             | -5.81                     | 2.96            | 10.01            | 0.70               | 8.28              | 8.98           | -5.98                     | 2.96            | 10.00            | 4.07               | 8.10              | 12.17          |
|                        | 54       | 1.12             | -5.70                     | 2.96            | 10.01            | 0.70               | 8.39              | 9.09           | -5.79                     | 2.96            | 10.00            | 4.07               | 8.29              | 12.36          |
| 5500                   | 53       | 1.12             | -6.37                     | 2.98            | 10.01            | 0.70               | 7.74              | 8.44           | -6.15                     | 2.98            | 10.01            | 4.07               | 7.96              | 12.03          |
|                        | 54       | 1.12             | -6.32                     | 2.98            | 10.01            | 0.70               | 7.79              | 8.49           | -6.04                     | 2.98            | 10.01            | 4.07               | 8.07              | 12.14          |
| 5580                   | 53       | 1.12             | -6.47                     | 2.98            | 10.01            | 0.70               | 7.64              | 8.34           | -5.77                     | 2.98            | 10.01            | 4.07               | 8.34              | 12.41          |
|                        | 54       | 1.12             | -6.41                     | 2.98            | 10.01            | 0.70               | 7.70              | 8.40           | -5.62                     | 2.98            | 10.01            | 4.07               | 8.49              | 12.56          |
| 5700                   | 53       | 1.12             | -6.48                     | 2.99            | 10.01            | 0.70               | 7.64              | 8.34           | -6.84                     | 2.99            | 10.01            | 4.07               | 7.28              | 11.35          |
|                        | 54       | 1.12             | -6.39                     | 2.99            | 10.01            | 0.70               | 7.73              | 8.43           | -6.76                     | 2.99            | 10.01            | 4.07               | 7.36              | 11.43          |
| 5745                   | 53       | 1.12             | -6.98                     | 3.00            | 10.01            | 0.70               | 7.15              | 7.85           | -7.96                     | 3.00            | 10.02            | 4.07               | 6.18              | 10.25          |
|                        | 54       | 1.12             | -6.86                     | 3.00            | 10.01            | 0.70               | 7.27              | 7.97           | -8.01                     | 3.00            | 10.02            | 4.07               | 6.13              | 10.20          |
| 5785                   | 53       | 1.12             | -7.41                     | 3.00            | 10.01            | 0.70               | 6.72              | 7.42           | -7.23                     | 3.00            | 10.02            | 4.07               | 6.91              | 10.98          |
|                        | 54       | 1.12             | -7.31                     | 3.00            | 10.01            | 0.70               | 6.82              | 7.52           | -7.18                     | 3.00            | 10.02            | 4.07               | 6.96              | 11.03          |
| 5825                   | 53       | 1.12             | -7.44                     | 3.00            | 10.01            | 0.70               | 6.69              | 7.39           | -7.50                     | 3.00            | 10.02            | 4.07               | 6.64              | 10.71          |
|                        | 54       | 1.12             | -7.35                     | 3.00            | 10.01            | 0.70               | 6.78              | 7.48           | -7.47                     | 3.00            | 10.02            | 4.07               | 6.67              | 10.74          |

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor  
e.i.r.p. Result = Conducted Power Result + Antenna Gain

15.407 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

For all test frequencies, B was applied the minimum value (19.954 MHz) as conservative limit.

RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

e.i.r.p. Limit (5150-5250MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250-5350MHz, 5470-5600MHz, 5650-5725MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (18.021 MHz) as conservative limit.

## Maximum Conducted Output Power

Test place Shonan EMC Lab. No.1 Measurement Room  
Date November 8, 2023 February 2, 2024  
Temperature / Humidity 24 deg. C / 40 % RH 22 deg. C / 37 % RH  
Engineer Kazuya Noda Kazuya Noda  
Mode Tx, Ant 0 + Ant 2

### 11ax-20 (OFDMA) (SDM) 242-tone

| Tested Frequency<br>[MHz] | RU Index | Conducted power |       |              |              |                  |        |               |        | e.i.r.p. |       |              |              |                  |        |               |        |
|---------------------------|----------|-----------------|-------|--------------|--------------|------------------|--------|---------------|--------|----------|-------|--------------|--------------|------------------|--------|---------------|--------|
|                           |          | 0               | Ant 2 | Sum          | Result       | FCC 15.407 Limit | Margin | RSS-247 Limit | Margin | 0        | Ant 2 | Sum          | Result       | FCC 15.407 Limit | Margin | RSS-247 Limit | Margin |
|                           |          | [mW]            | [mW]  | [mW]         | [dBm]        | [dBm]            | [dB]   | [dBm]         | [dB]   | [mW]     | [mW]  | [mW]         | [dBm]        | [dBm]            | [dB]   | [dBm]         | [dB]   |
| 5180                      | 61       | 6.60            | 6.44  | 13.04        | 11.15        | 23.97            | 12.82  | -             | -      | 7.76     | 16.44 | 24.20        | 13.84        | 29.97            | 16.13  | 22.77         | 8.93   |
| 5220                      | 61       | 6.79            | 6.12  | 12.91        | 11.11        | 23.97            | 12.86  | -             | -      | 7.98     | 15.63 | 23.60        | 13.73        | 29.97            | 16.24  | 22.77         | 9.04   |
| 5240                      | 61       | 6.74            | 6.70  | <b>13.44</b> | <b>11.28</b> | 23.97            | 12.69  | -             | -      | 7.92     | 17.09 | <b>25.02</b> | <b>13.98</b> | 29.97            | 15.99  | 22.77         | 8.79   |
| 5260                      | 61       | 6.51            | 6.45  | 12.97        | 11.13        | 23.97            | 12.84  | 23.77         | 12.64  | 7.65     | 16.48 | 24.13        | 13.83        | 29.97            | 16.14  | 29.77         | 15.94  |
| 5300                      | 61       | 6.98            | 6.15  | 13.13        | 11.18        | 23.97            | 12.79  | 23.77         | 12.59  | 8.20     | 15.70 | 23.90        | 13.78        | 29.97            | 16.19  | 29.77         | 15.99  |
| 5320                      | 61       | 6.82            | 6.45  | <b>13.28</b> | <b>11.23</b> | 23.97            | 12.74  | 23.77         | 12.54  | 8.01     | 16.48 | <b>24.49</b> | <b>13.89</b> | 29.97            | 16.08  | 29.77         | 15.88  |
| 5500                      | 61       | 5.94            | 6.32  | 12.26        | 10.89        | 23.97            | 13.08  | 23.77         | 12.88  | 6.98     | 16.14 | 23.12        | 13.64        | 29.97            | 16.33  | 29.77         | 16.13  |
| 5580                      | 61       | 6.62            | 6.95  | <b>13.57</b> | <b>11.32</b> | 23.97            | 12.65  | 23.77         | 12.45  | 7.78     | 17.74 | <b>25.51</b> | <b>14.07</b> | 29.97            | 15.90  | 29.77         | 15.70  |
| 5700                      | 61       | 5.82            | 5.37  | 11.19        | 10.49        | 23.97            | 13.48  | 23.77         | 13.28  | 6.84     | 13.70 | 20.54        | 13.13        | 29.97            | 16.84  | 29.77         | 16.64  |
| 5745                      | 61       | 4.87            | 4.26  | 9.14         | 9.61         | 30.00            | 20.39  | 30.00         | 20.39  | 5.73     | 10.89 | 16.61        | 12.20        | 36.00            | 23.80  | 36.00         | 23.80  |
| 5785                      | 61       | 4.60            | 4.99  | <b>9.59</b>  | <b>9.82</b>  | 30.00            | 20.18  | 30.00         | 20.18  | 5.41     | 12.73 | <b>18.14</b> | <b>12.59</b> | 36.00            | 23.41  | 36.00         | 23.41  |
| 5825                      | 61       | 4.64            | 4.59  | 9.23         | 9.65         | 30.00            | 20.35  | 30.00         | 20.35  | 5.46     | 11.72 | 17.17        | 12.35        | 36.00            | 23.65  | 36.00         | 23.65  |

| Tested Frequency<br>[MHz] | RU Index | Ant 0       |                     |            |             |              |             |          |       | Ant 2               |            |             |              |             |          |  |  |
|---------------------------|----------|-------------|---------------------|------------|-------------|--------------|-------------|----------|-------|---------------------|------------|-------------|--------------|-------------|----------|--|--|
|                           |          | Duty Factor | Power Meter Reading | Cable Loss | Atten. Loss | Antenna Gain | Cond. Power | e.i.r.p. |       | Power Meter Reading | Cable Loss | Atten. Loss | Antenna Gain | Cond. Power | e.i.r.p. |  |  |
|                           |          | [dB]        | [dBm]               | [dB]       | [dB]        | [dBi]        | [dBm]       | [dBm]    |       | [dBm]               | [dB]       | [dB]        | [dBi]        | [dBm]       | [dBm]    |  |  |
| 5180                      | 61       | 1.38        | -6.14               | 2.95       | 10.01       | 0.70         | 8.20        | 8.90     | -6.24 | 2.95                | 10.00      | 4.07        | 8.09         | 12.16       |          |  |  |
| 5220                      | 61       | 1.38        | -6.02               | 2.95       | 10.01       | 0.70         | 8.32        | 9.02     | -6.46 | 2.95                | 10.00      | 4.07        | 7.87         | 11.94       |          |  |  |
| 5240                      | 61       | 1.38        | -6.05               | 2.95       | 10.01       | 0.70         | 8.29        | 8.99     | -6.07 | 2.95                | 10.00      | 4.07        | 8.26         | 12.33       |          |  |  |
| 5260                      | 61       | 1.38        | -6.20               | 2.95       | 10.01       | 0.70         | 8.14        | 8.84     | -6.24 | 2.96                | 10.00      | 4.07        | 8.10         | 12.17       |          |  |  |
| 5300                      | 61       | 1.38        | -5.91               | 2.96       | 10.01       | 0.70         | 8.44        | 9.14     | -6.45 | 2.96                | 10.00      | 4.07        | 7.89         | 11.96       |          |  |  |
| 5320                      | 61       | 1.38        | -6.01               | 2.96       | 10.01       | 0.70         | 8.34        | 9.04     | -6.24 | 2.96                | 10.00      | 4.07        | 8.10         | 12.17       |          |  |  |
| 5500                      | 61       | 1.38        | -6.63               | 2.98       | 10.01       | 0.70         | 7.74        | 8.44     | -6.36 | 2.98                | 10.01      | 4.07        | 8.01         | 12.08       |          |  |  |
| 5580                      | 61       | 1.38        | -6.16               | 2.98       | 10.01       | 0.70         | 8.21        | 8.91     | -5.95 | 2.98                | 10.01      | 4.07        | 8.42         | 12.49       |          |  |  |
| 5700                      | 61       | 1.38        | -6.73               | 2.99       | 10.01       | 0.70         | 7.65        | 8.35     | -7.08 | 2.99                | 10.01      | 4.07        | 7.30         | 11.37       |          |  |  |
| 5745                      | 61       | 1.38        | -7.51               | 3.00       | 10.01       | 0.70         | 6.88        | 7.58     | -8.10 | 3.00                | 10.02      | 4.07        | 6.30         | 10.37       |          |  |  |
| 5785                      | 61       | 1.38        | -7.76               | 3.00       | 10.01       | 0.70         | 6.63        | 7.33     | -7.42 | 3.00                | 10.02      | 4.07        | 6.98         | 11.05       |          |  |  |
| 5825                      | 61       | 1.38        | -7.72               | 3.00       | 10.01       | 0.70         | 6.67        | 7.37     | -7.78 | 3.00                | 10.02      | 4.07        | 6.62         | 10.69       |          |  |  |

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor  
e.i.r.p. Result = Conducted Power Result + Antenna Gain

#### 15.407 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

For all test frequencies, B was applied the minimum value (30.191 MHz) as conservative limit.

#### RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

e.i.r.p. Limit (5150-5250MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250-5350MHz, 5470-5600MHz, 5650-5725MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (18.954 MHz) as conservative limit.

## Maximum Conducted Output Power

Test place Shonan EMC Lab. No.1 Measurement Room  
Date November 8, 2023 November 24, 2023 February 2, 2024  
Temperature / Humidity 24 deg. C / 40 % RH 22 deg. C / 46 % RH 22 deg. C / 37 % RH  
Engineer Kazuya Noda Yusuke Tanikawara Kazuya Noda  
Mode Tx, Ant 0 + Ant 2

### 11ax-40 (OFDMA) (SDM) 26-tone

| Tested Frequency [MHz] | RU Index | Conducted power |            |             |              |                        |             |                     |             | e.i.r.p. |            |             |              |                        |             |                     |             |
|------------------------|----------|-----------------|------------|-------------|--------------|------------------------|-------------|---------------------|-------------|----------|------------|-------------|--------------|------------------------|-------------|---------------------|-------------|
|                        |          | 0 [mW]          | Ant 2 [mW] | Sum [mW]    | Result [dBm] | FCC 15.407 Limit [dBm] | Margin [dB] | RSS-247 Limit [dBm] | Margin [dB] | 0 [mW]   | Ant 2 [mW] | Sum [mW]    | Result [dBm] | FCC 15.407 Limit [dBm] | Margin [dB] | RSS-247 Limit [dBm] | Margin [dB] |
| 5190                   | 0        | 1.04            | 1.19       | 2.23        | 3.48         | 23.97                  | 20.49       | -                   | -           | 1.22     | 3.05       | 4.27        | 6.30         | 29.97                  | 23.67       | 22.56               | 16.26       |
|                        | 8        | 1.15            | 1.34       | <b>2.49</b> | <b>3.96</b>  | 23.97                  | 20.01       | -                   | -           | 1.36     | 3.41       | <b>4.77</b> | <b>6.78</b>  | 29.97                  | 23.19       | 22.56               | 15.78       |
|                        | 17       | 1.06            | 1.26       | 2.32        | 3.66         | 23.97                  | 20.31       | -                   | -           | 1.25     | 3.22       | 4.46        | 6.50         | 29.97                  | 23.47       | 22.56               | 16.06       |
| 5230                   | 0        | 1.13            | 1.16       | 2.29        | 3.60         | 23.97                  | 20.37       | -                   | -           | 1.33     | 2.96       | 4.29        | 6.33         | 29.97                  | 23.64       | 22.56               | 16.23       |
|                        | 8        | 1.23            | 1.24       | 2.47        | 3.93         | 23.97                  | 20.04       | -                   | -           | 1.45     | 3.17       | 4.62        | 6.64         | 29.97                  | 23.33       | 22.56               | 15.92       |
|                        | 17       | 1.13            | 1.17       | 2.30        | 3.61         | 23.97                  | 20.36       | -                   | -           | 1.32     | 2.99       | 4.31        | 6.35         | 29.97                  | 23.62       | 22.56               | 16.21       |
| 5270                   | 0        | 0.78            | 0.91       | 1.69        | 2.27         | 23.74                  | 21.47       | 23.56               | 21.29       | 0.91     | 2.32       | 3.24        | 5.10         | 29.97                  | 24.87       | 29.56               | 24.46       |
|                        | 8        | 0.87            | 1.01       | 1.88        | 2.75         | 23.74                  | 20.99       | 23.56               | 20.81       | 1.02     | 2.59       | <b>3.61</b> | <b>5.57</b>  | 29.97                  | 24.40       | 29.56               | 23.99       |
|                        | 17       | 0.82            | 0.99       | 1.81        | 2.58         | 23.74                  | 21.16       | 23.56               | 20.98       | 0.96     | 2.53       | 3.49        | 5.43         | 29.97                  | 24.54       | 29.56               | 24.13       |
| 5310                   | 0        | 0.84            | 0.86       | 1.70        | 2.30         | 23.74                  | 21.44       | 23.56               | 21.26       | 0.99     | 2.18       | 3.18        | 5.02         | 29.97                  | 24.95       | 29.56               | 24.54       |
|                        | 8        | 0.93            | 0.97       | <b>1.90</b> | <b>2.79</b>  | 23.74                  | 20.95       | 23.56               | 20.77       | 1.09     | 2.48       | 3.58        | 5.53         | 29.97                  | 24.44       | 29.56               | 24.03       |
|                        | 17       | 0.90            | 0.94       | 1.83        | 2.63         | 23.74                  | 21.11       | 23.56               | 20.93       | 1.05     | 2.39       | 3.44        | 5.37         | 29.97                  | 24.60       | 29.56               | 24.19       |

| Tested Frequency [MHz] | RU Index | Ant 0            |                           |                 |                  |                    |                   |                |        | Ant 2            |                           |                 |                  |                    |                   |                |  |
|------------------------|----------|------------------|---------------------------|-----------------|------------------|--------------------|-------------------|----------------|--------|------------------|---------------------------|-----------------|------------------|--------------------|-------------------|----------------|--|
|                        |          | Duty Factor [dB] | Power Meter Reading [dBm] | Cable Loss [dB] | Atten. Loss [dB] | Antenna Gain [dBi] | Cond. Power [dBm] | e.i.r.p. [dBm] |        | Duty Factor [dB] | Power Meter Reading [dBm] | Cable Loss [dB] | Atten. Loss [dB] | Antenna Gain [dBi] | Cond. Power [dBm] | e.i.r.p. [dBm] |  |
| 5190                   | 0        | 0.53             | -13.34                    | 2.95            | 10.01            | 0.70               | 0.15              | 0.85           | -12.71 | 2.95             | 10.00                     | 4.07            | 0.77             | 4.84               |                   |                |  |
|                        | 8        | 0.53             | -12.87                    | 2.95            | 10.01            | 0.70               | 0.62              | 1.32           | -12.22 | 2.95             | 10.00                     | 4.07            | 1.26             | 5.33               |                   |                |  |
|                        | 17       | 0.53             | -13.23                    | 2.95            | 10.01            | 0.70               | 0.26              | 0.96           | -12.48 | 2.95             | 10.00                     | 4.07            | 1.00             | 5.07               |                   |                |  |
| 5230                   | 0        | 0.53             | -12.95                    | 2.95            | 10.01            | 0.70               | 0.54              | 1.24           | -12.84 | 2.95             | 10.00                     | 4.07            | 0.64             | 4.71               |                   |                |  |
|                        | 8        | 0.53             | -12.59                    | 2.95            | 10.01            | 0.70               | 0.90              | 1.60           | -12.54 | 2.95             | 10.00                     | 4.07            | 0.94             | 5.01               |                   |                |  |
|                        | 17       | 0.53             | -12.97                    | 2.95            | 10.01            | 0.70               | 0.52              | 1.22           | -12.80 | 2.95             | 10.00                     | 4.07            | 0.68             | 4.75               |                   |                |  |
| 5270                   | 0        | 0.53             | -14.59                    | 2.95            | 10.01            | 0.70               | -1.10             | -0.40          | -13.90 | 2.96             | 10.00                     | 4.07            | -0.41            | 3.66               |                   |                |  |
|                        | 8        | 0.53             | -14.11                    | 2.95            | 10.01            | 0.70               | -0.62             | 0.08           | -13.43 | 2.96             | 10.00                     | 4.07            | 0.06             | 4.13               |                   |                |  |
|                        | 17       | 0.53             | -14.35                    | 2.95            | 10.01            | 0.70               | -0.86             | -0.16          | -13.53 | 2.96             | 10.00                     | 4.07            | -0.04            | 4.03               |                   |                |  |
| 5310                   | 0        | 0.53             | -14.24                    | 2.96            | 10.01            | 0.70               | -0.74             | -0.04          | -14.17 | 2.96             | 10.00                     | 4.07            | -0.68            | 3.39               |                   |                |  |
|                        | 8        | 0.53             | -13.82                    | 2.96            | 10.01            | 0.70               | -0.32             | 0.38           | -13.61 | 2.96             | 10.00                     | 4.07            | -0.12            | 3.95               |                   |                |  |
|                        | 17       | 0.53             | -13.97                    | 2.96            | 10.01            | 0.70               | -0.47             | 0.23           | -13.78 | 2.96             | 10.00                     | 4.07            | -0.29            | 3.78               |                   |                |  |

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor  
e.i.r.p. Result = Conducted Power Result + Antenna Gain

#### 15.407 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

For all test frequencies, B was applied the minimum value (18.819 MHz) as conservative limit.

#### RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

e.i.r.p. Limit (5150-5250MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250-5350MHz 5470-5600MHz 5650-5725MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (18.043 MHz) as conservative limit.

## Maximum Conducted Output Power

Test place Shonan EMC Lab. No.1 Measurement Room  
Date November 8, 2023 November 24, 2023 February 2, 2024  
Temperature / Humidity 24 deg. C / 40 % RH 22 deg. C / 46 % RH 22 deg. C / 37 % RH  
Engineer Kazuya Noda Yusuke Tanikawara Kazuya Noda  
Mode Tx, Ant 0 + Ant 2

11ax-40 (OFDMA) (SDM) 26-tone

| Tested Frequency [MHz] | RU Index | Conducted power |       |              |              |                  |        |               |        | e.i.r.p. |       |              |              |                  |        |               |        |
|------------------------|----------|-----------------|-------|--------------|--------------|------------------|--------|---------------|--------|----------|-------|--------------|--------------|------------------|--------|---------------|--------|
|                        |          | 0               | Ant 2 | Sum          | Result       | FCC 15.407 Limit | Margin | RSS-247 Limit | Margin | 0        | Ant 2 | Sum          | Result       | FCC 15.407 Limit | Margin | RSS-247 Limit | Margin |
|                        |          | [mW]            | [mW]  | [mW]         | [dBm]        | [dBm]            | [dB]   | [dBm]         | [dB]   | [mW]     | [mW]  | [mW]         | [dBm]        | [dBm]            | [dB]   | [dBm]         | [dB]   |
| 5510                   | 0        | 1.39            | 1.73  | 3.12         | 4.94         | 23.74            | 18.80  | 23.56         | 18.62  | 1.63     | 4.41  | 6.04         | 7.81         | 29.97            | 22.16  | 29.56         | 21.75  |
|                        | 8        | 1.51            | 1.92  | 3.42         | 5.34         | 23.74            | 18.40  | 23.56         | 18.22  | 1.77     | 4.89  | <b>6.66</b>  | <b>8.23</b>  | 29.97            | 21.74  | 29.56         | 21.33  |
|                        | 17       | 1.41            | 1.80  | 3.20         | 5.05         | 23.74            | 18.69  | 23.56         | 18.51  | 1.65     | 4.58  | 6.24         | 7.95         | 29.97            | 22.02  | 29.56         | 21.61  |
| 5550                   | 0        | 1.49            | 1.63  | 3.12         | 4.95         | 23.74            | 18.79  | 23.56         | 18.61  | 1.75     | 4.17  | 5.92         | 7.72         | 29.97            | 22.25  | 29.56         | 21.84  |
|                        | 8        | 1.64            | 1.81  | <b>3.45</b>  | <b>5.38</b>  | 23.74            | 18.36  | 23.56         | 18.18  | 1.92     | 4.63  | 6.55         | 8.16         | 29.97            | 21.81  | 29.56         | 21.40  |
|                        | 17       | 1.54            | 1.63  | 3.18         | 5.02         | 23.74            | 18.72  | 23.56         | 18.54  | 1.81     | 4.17  | 5.98         | 7.77         | 29.97            | 22.20  | 29.56         | 21.79  |
| 5670                   | 0        | 1.30            | 1.66  | 2.96         | 4.71         | 23.74            | 19.03  | 23.56         | 18.85  | 1.52     | 4.24  | 5.76         | 7.61         | 29.97            | 22.36  | 29.56         | 21.95  |
|                        | 8        | 1.42            | 1.76  | 3.18         | 5.03         | 23.74            | 18.71  | 23.56         | 18.53  | 1.67     | 4.50  | 6.17         | 7.90         | 29.97            | 22.07  | 29.56         | 21.66  |
|                        | 17       | 1.29            | 1.61  | 2.90         | 4.63         | 23.74            | 19.11  | 23.56         | 18.93  | 1.52     | 4.11  | 5.63         | 7.51         | 29.97            | 22.46  | 29.56         | 22.05  |
| 5755                   | 0        | 4.28            | 4.88  | 9.16         | 9.62         | 30.00            | 20.38  | 30.00         | 20.38  | 5.03     | 12.45 | 17.48        | 12.42        | 36.00            | 23.58  | 36.00         | 23.58  |
|                        | 8        | 4.77            | 5.29  | <b>10.05</b> | <b>10.02</b> | 30.00            | 19.98  | 30.00         | 19.98  | 5.60     | 13.50 | 19.10        | 12.81        | 36.00            | 23.19  | 36.00         | 23.19  |
|                        | 17       | 4.41            | 4.77  | 9.17         | 9.63         | 30.00            | 20.37  | 30.00         | 20.37  | 5.18     | 12.17 | 17.35        | 12.39        | 36.00            | 23.61  | 36.00         | 23.61  |
| 5795                   | 0        | 3.99            | 4.96  | 8.95         | 9.52         | 30.00            | 20.48  | 30.00         | 20.48  | 4.69     | 12.65 | 17.34        | 12.39        | 36.00            | 23.61  | 36.00         | 23.61  |
|                        | 8        | 4.40            | 5.46  | 9.86         | 9.94         | 30.00            | 20.06  | 30.00         | 20.06  | 5.17     | 13.94 | <b>19.10</b> | <b>12.81</b> | 36.00            | 23.19  | 36.00         | 23.19  |
|                        | 17       | 3.96            | 5.25  | 9.22         | 9.65         | 30.00            | 20.35  | 30.00         | 20.35  | 4.66     | 13.40 | 18.06        | 12.57        | 36.00            | 23.43  | 36.00         | 23.43  |

| Tested Frequency [MHz] | RU Index | Duty Factor [dB] | Ant 0                     |                 |                  |                    |                          |                | Ant 2                     |                 |                  |                    |                          |                |
|------------------------|----------|------------------|---------------------------|-----------------|------------------|--------------------|--------------------------|----------------|---------------------------|-----------------|------------------|--------------------|--------------------------|----------------|
|                        |          |                  | Power Meter Reading [dBm] | Cable Loss [dB] | Atten. Loss [dB] | Antenna Gain [dBi] | Result Cond. Power [dBm] | e.i.r.p. [dBm] | Power Meter Reading [dBm] | Cable Loss [dB] | Atten. Loss [dB] | Antenna Gain [dBi] | Result Cond. Power [dBm] | e.i.r.p. [dBm] |
| 5510                   | 0        | 0.53             | -12.09                    | 2.98            | 10.01            | 0.70               | 1.43                     | 2.13           | -11.15                    | 2.98            | 10.01            | 4.07               | 2.37                     | 6.44           |
|                        | 8        | 0.53             | -11.74                    | 2.98            | 10.01            | 0.70               | 1.78                     | 2.48           | -10.70                    | 2.98            | 10.01            | 4.07               | 2.82                     | 6.89           |
|                        | 17       | 0.53             | -12.04                    | 2.98            | 10.01            | 0.70               | 1.48                     | 2.18           | -10.98                    | 2.98            | 10.01            | 4.07               | 2.54                     | 6.61           |
| 5550                   | 0        | 0.53             | -11.79                    | 2.98            | 10.01            | 0.70               | 1.73                     | 2.43           | -11.39                    | 2.98            | 10.01            | 4.07               | 2.13                     | 6.20           |
|                        | 8        | 0.53             | -11.38                    | 2.98            | 10.01            | 0.70               | 2.14                     | 2.84           | -10.94                    | 2.98            | 10.01            | 4.07               | 2.58                     | 6.65           |
|                        | 17       | 0.53             | -11.64                    | 2.98            | 10.01            | 0.70               | 1.88                     | 2.58           | -11.39                    | 2.98            | 10.01            | 4.07               | 2.13                     | 6.20           |
| 5670                   | 0        | 0.53             | -12.40                    | 2.99            | 10.01            | 0.70               | 1.13                     | 1.83           | -11.33                    | 2.99            | 10.01            | 4.07               | 2.20                     | 6.27           |
|                        | 8        | 0.53             | -12.01                    | 2.99            | 10.01            | 0.70               | 1.52                     | 2.22           | -11.07                    | 2.99            | 10.01            | 4.07               | 2.46                     | 6.53           |
|                        | 17       | 0.53             | -12.42                    | 2.99            | 10.01            | 0.70               | 1.11                     | 1.81           | -11.46                    | 2.99            | 10.01            | 4.07               | 2.07                     | 6.14           |
| 5755                   | 0        | 0.53             | -7.23                     | 3.00            | 10.01            | 0.70               | 6.31                     | 7.01           | -6.67                     | 3.00            | 10.02            | 4.07               | 6.88                     | 10.95          |
|                        | 8        | 0.53             | -6.76                     | 3.00            | 10.01            | 0.70               | 6.78                     | 7.48           | -6.32                     | 3.00            | 10.02            | 4.07               | 7.23                     | 11.30          |
|                        | 17       | 0.53             | -7.10                     | 3.00            | 10.01            | 0.70               | 6.44                     | 7.14           | -6.77                     | 3.00            | 10.02            | 4.07               | 6.78                     | 10.85          |
| 5795                   | 0        | 0.53             | -7.53                     | 3.00            | 10.01            | 0.70               | 6.01                     | 6.71           | -6.60                     | 3.00            | 10.02            | 4.07               | 6.95                     | 11.02          |
|                        | 8        | 0.53             | -7.11                     | 3.00            | 10.01            | 0.70               | 6.43                     | 7.13           | -6.18                     | 3.00            | 10.02            | 4.07               | 7.37                     | 11.44          |
|                        | 17       | 0.53             | -7.56                     | 3.00            | 10.01            | 0.70               | 5.98                     | 6.68           | -6.35                     | 3.00            | 10.02            | 4.07               | 7.20                     | 11.27          |

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor  
e.i.r.p. Result = Conducted Power Result + Antenna Gain

15.407 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

For all test frequencies, B was applied the minimum value (18.819 MHz) as conservative limit.

RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

e.i.r.p. Limit (5150-5250MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250-5350MHz, 5470-5600MHz, 5650-5725MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (18.043 MHz) as conservative limit.

## Maximum Conducted Output Power

Test place Shonan EMC Lab. No.1 Measurement Room  
Date November 8, 2023 November 24, 2023 February 2, 2024 July 9, 2024  
Temperature / Humidity 24 deg. C / 40 % RH 22 deg. C / 46 % RH 22 deg. C / 37 % RH 23 deg. C / 37 % RH  
Engineer Kazuya Noda Yusuke Tanikawara Kazuya Noda Kouki Yamada  
Mode Tx, Ant 0 + Ant 2

11ax-40 (OFDMA) (SDM) 52-tone

| Tested Frequency [MHz] | RU Index | Conducted power |            |          |              |                  |             |               |             | e.i.r.p. |            |          |              |                  |             |               |             |
|------------------------|----------|-----------------|------------|----------|--------------|------------------|-------------|---------------|-------------|----------|------------|----------|--------------|------------------|-------------|---------------|-------------|
|                        |          | 0 [mW]          | Ant 2 [mW] | Sum [mW] | Result [dBm] | FCC 15.407 [dBm] | Margin [dB] | RSS-247 [dBm] | Margin [dB] | 0 [mW]   | Ant 2 [mW] | Sum [mW] | Result [dBm] | FCC 15.407 [dBm] | Margin [dB] | RSS-247 [dBm] | Margin [dB] |
| 5190                   | 37       | 2.08            | 2.44       | 4.51     | 6.55         | 23.97            | 17.42       | -             | -           | 2.44     | 6.22       | 8.66     | 9.38         | 29.97            | 20.59       | 22.53         | 13.15       |
|                        | 40       | 2.27            | 2.71       | 4.98     | 6.97         | 23.97            | 17.00       | -             | -           | 2.67     | 6.92       | 9.59     | 9.82         | 29.97            | 20.15       | 22.53         | 12.71       |
|                        | 44       | 2.17            | 2.55       | 4.72     | 6.74         | 23.97            | 17.23       | -             | -           | 2.55     | 6.50       | 9.06     | 9.57         | 29.97            | 20.40       | 22.53         | 12.96       |
| 5230                   | 37       | 2.32            | 2.38       | 4.70     | 6.72         | 23.97            | 17.25       | -             | -           | 2.72     | 6.07       | 8.79     | 9.44         | 29.97            | 20.53       | 22.53         | 13.09       |
|                        | 40       | 2.44            | 2.51       | 4.94     | 6.94         | 23.97            | 17.03       | -             | -           | 2.86     | 6.40       | 9.26     | 9.67         | 29.97            | 20.30       | 22.53         | 12.86       |
|                        | 44       | 2.27            | 2.39       | 4.66     | 6.69         | 23.97            | 17.28       | -             | -           | 2.67     | 6.11       | 8.78     | 9.43         | 29.97            | 20.54       | 22.53         | 13.10       |
| 5270                   | 37       | 1.39            | 1.58       | 2.97     | 4.73         | 23.77            | 19.04       | 23.53         | 18.80       | 1.63     | 4.04       | 5.67     | 7.54         | 29.97            | 22.43       | 29.53         | 21.99       |
|                        | 40       | 1.49            | 1.80       | 3.28     | 5.16         | 23.77            | 18.61       | 23.53         | 18.37       | 1.75     | 4.58       | 6.33     | 8.02         | 29.97            | 21.95       | 29.53         | 21.51       |
|                        | 44       | 1.38            | 1.74       | 3.12     | 4.94         | 23.77            | 18.83       | 23.53         | 18.59       | 1.63     | 4.44       | 6.06     | 7.83         | 29.97            | 22.14       | 29.53         | 21.70       |
| 5310                   | 37       | 1.52            | 1.52       | 3.05     | 4.84         | 23.77            | 18.93       | 23.53         | 18.69       | 1.79     | 3.89       | 5.68     | 7.54         | 29.97            | 22.43       | 29.53         | 21.99       |
|                        | 40       | 1.65            | 1.68       | 3.33     | 5.23         | 23.77            | 18.54       | 23.53         | 18.30       | 1.94     | 4.30       | 6.23     | 7.95         | 29.97            | 22.02       | 29.53         | 21.58       |
|                        | 44       | 1.59            | 1.61       | 3.19     | 5.04         | 23.77            | 18.73       | 23.53         | 18.49       | 1.86     | 4.10       | 5.97     | 7.76         | 29.97            | 22.21       | 29.53         | 21.77       |

| Tested Frequency [MHz] | RU Index | Ant 0            |                           |                 |                  |                    |                   |                |        | Ant 2                     |                 |                  |                    |                   |                |  |  |
|------------------------|----------|------------------|---------------------------|-----------------|------------------|--------------------|-------------------|----------------|--------|---------------------------|-----------------|------------------|--------------------|-------------------|----------------|--|--|
|                        |          | Duty Factor [dB] | Power Meter Reading [dBm] | Cable Loss [dB] | Atten. Loss [dB] | Antenna Gain [dBi] | Cond. Power [dBm] | e.i.r.p. [dBm] |        | Power Meter Reading [dBm] | Cable Loss [dB] | Atten. Loss [dB] | Antenna Gain [dBi] | Cond. Power [dBm] | e.i.r.p. [dBm] |  |  |
| 5190                   | 37       | 0.82             | -10.61                    | 2.95            | 10.01            | 0.70               | 3.17              | 3.87           | -9.90  | 2.95                      | 10.00           | 4.07             | 3.87               | 3.87              | 7.94           |  |  |
|                        | 40       | 0.82             | -10.22                    | 2.95            | 10.01            | 0.70               | 3.56              | 4.26           | -9.44  | 2.95                      | 10.00           | 4.07             | 4.33               | 8.40              |                |  |  |
|                        | 44       | 0.82             | -10.41                    | 2.95            | 10.01            | 0.70               | 3.37              | 4.07           | -9.71  | 2.95                      | 10.00           | 4.07             | 4.06               | 8.13              |                |  |  |
| 5230                   | 37       | 0.82             | -10.13                    | 2.95            | 10.01            | 0.70               | 3.65              | 4.35           | -10.01 | 2.95                      | 10.00           | 4.07             | 3.76               | 7.83              |                |  |  |
|                        | 40       | 0.82             | -9.91                     | 2.95            | 10.01            | 0.70               | 3.87              | 4.57           | -9.78  | 2.95                      | 10.00           | 4.07             | 3.99               | 8.06              |                |  |  |
|                        | 44       | 0.82             | -10.22                    | 2.95            | 10.01            | 0.70               | 3.56              | 4.26           | -9.98  | 2.95                      | 10.00           | 4.07             | 3.79               | 7.86              |                |  |  |
| 5270                   | 37       | 0.82             | -12.35                    | 2.95            | 10.01            | 0.70               | 1.43              | 2.13           | -11.79 | 2.96                      | 10.00           | 4.07             | 1.99               | 6.06              |                |  |  |
|                        | 40       | 0.82             | -12.05                    | 2.95            | 10.01            | 0.70               | 1.73              | 2.43           | -11.24 | 2.96                      | 10.00           | 4.07             | 2.54               | 6.61              |                |  |  |
|                        | 44       | 0.82             | -12.37                    | 2.95            | 10.01            | 0.70               | 1.41              | 2.11           | -11.38 | 2.96                      | 10.00           | 4.07             | 2.40               | 6.47              |                |  |  |
| 5310                   | 37       | 0.82             | -11.97                    | 2.96            | 10.01            | 0.70               | 1.82              | 2.52           | -11.95 | 2.96                      | 10.00           | 4.07             | 1.83               | 5.90              |                |  |  |
|                        | 40       | 0.82             | -11.62                    | 2.96            | 10.01            | 0.70               | 2.17              | 2.87           | -11.52 | 2.96                      | 10.00           | 4.07             | 2.26               | 6.33              |                |  |  |
|                        | 44       | 0.82             | -11.79                    | 2.96            | 10.01            | 0.70               | 2.00              | 2.70           | -11.72 | 2.96                      | 10.00           | 4.07             | 2.06               | 6.13              |                |  |  |

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor  
e.i.r.p. Result = Conducted Power Result + Antenna Gain

15.407 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

For all test frequencies, B was applied the minimum value (18.967 MHz) as conservative limit.

RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

e.i.r.p. Limit (5150-5250MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250-5350MHz, 5470-5600MHz, 5650-5725MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (17.919 MHz) as conservative limit.

## Maximum Conducted Output Power

Test place: Shonan EMC Lab. No.1 Measurement Room  
 Date: November 8, 2023 November 24, 2023 February 2, 2024 July 9, 2024  
 Temperature / Humidity: 24 deg. C / 40 % RH 22 deg. C / 46 % RH 22 deg. C / 37 % RH 23 deg. C / 37 % RH  
 Engineer: Kazuya Noda Yusuke Tanikawara Kazuya Noda Kouki Yamada  
 Mode: Tx, Ant 0 + Ant 2

11ax-40 (OFDMA) (SDM) 52-tone

| Tested Frequency [MHz] | RU Index | Conducted power |       |             |             |                  |        |               |        | e.i.r.p. |       |              |              |                  |        |               |        |
|------------------------|----------|-----------------|-------|-------------|-------------|------------------|--------|---------------|--------|----------|-------|--------------|--------------|------------------|--------|---------------|--------|
|                        |          | 0               | Ant 2 | Sum         | Result      | FCC 15.407 Limit | Margin | RSS-247 Limit | Margin | 0        | Ant 2 | Sum          | Result       | FCC 15.407 Limit | Margin | RSS-247 Limit | Margin |
|                        |          | [mW]            | [mW]  | [mW]        | [dBm]       | [dBm]            | [dB]   | [dBm]         | [dB]   | [mW]     | [mW]  | [mW]         | [dBm]        | [dBm]            | [dB]   | [dBm]         | [dB]   |
| 5510                   | 37       | 2.83            | 3.56  | 6.38        | 8.05        | 23.77            | 15.72  | 23.53         | 15.48  | 3.32     | 9.08  | 12.40        | 10.93        | 29.97            | 19.04  | 29.53         | 18.60  |
|                        | 40       | 3.04            | 3.92  | <b>6.96</b> | <b>8.43</b> | 23.77            | 15.34  | 23.53         | 15.10  | 3.57     | 10.00 | <b>13.58</b> | <b>11.33</b> | 29.97            | 18.64  | 29.53         | 18.20  |
|                        | 44       | 2.84            | 3.79  | 6.63        | 8.22        | 23.77            | 15.55  | 23.53         | 15.31  | 3.34     | 9.66  | 13.00        | 11.14        | 29.97            | 18.83  | 29.53         | 18.39  |
| 5550                   | 37       | 2.88            | 3.52  | 6.40        | 8.06        | 23.77            | 15.71  | 23.53         | 15.47  | 3.39     | 8.98  | 12.37        | 10.92        | 29.97            | 19.05  | 29.53         | 18.61  |
|                        | 40       | 3.13            | 3.65  | 6.77        | 8.31        | 23.77            | 15.46  | 23.53         | 15.22  | 3.67     | 9.31  | 12.99        | 11.13        | 29.97            | 18.84  | 29.53         | 18.40  |
|                        | 44       | 2.98            | 3.51  | 6.49        | 8.12        | 23.77            | 15.65  | 23.53         | 15.41  | 3.50     | 8.96  | 12.46        | 10.95        | 29.97            | 19.02  | 29.53         | 18.58  |
| 5670                   | 37       | 2.62            | 3.42  | 6.04        | 7.81        | 23.77            | 15.96  | 23.53         | 15.72  | 3.08     | 8.73  | 11.81        | 10.72        | 29.97            | 19.25  | 29.53         | 18.81  |
|                        | 40       | 2.86            | 3.71  | 6.57        | 8.18        | 23.77            | 15.59  | 23.53         | 15.35  | 3.37     | 9.46  | 12.83        | 11.08        | 29.97            | 18.89  | 29.53         | 18.45  |
|                        | 44       | 2.66            | 3.38  | 6.04        | 7.81        | 23.77            | 15.96  | 23.53         | 15.72  | 3.13     | 8.63  | 11.76        | 10.70        | 29.97            | 19.27  | 29.53         | 18.83  |
| 5755                   | 37       | 4.24            | 4.75  | 8.99        | 9.54        | 30.00            | 20.46  | 30.00         | 20.46  | 4.98     | 12.14 | 17.11        | 12.33        | 36.00            | 23.67  | 36.00         | 23.67  |
|                        | 40       | 4.59            | 5.06  | <b>9.65</b> | <b>9.85</b> | 30.00            | 20.15  | 30.00         | 20.15  | 5.40     | 12.91 | <b>18.31</b> | <b>12.63</b> | 36.00            | 23.37  | 36.00         | 23.37  |
|                        | 44       | 4.24            | 4.68  | 8.92        | 9.50        | 30.00            | 20.50  | 30.00         | 20.50  | 4.98     | 11.94 | 16.92        | 12.28        | 36.00            | 23.72  | 36.00         | 23.72  |
| 5795                   | 37       | 4.08            | 4.92  | 9.01        | 9.54        | 30.00            | 20.46  | 30.00         | 20.46  | 4.80     | 12.56 | 17.36        | 12.40        | 36.00            | 23.60  | 36.00         | 23.60  |
|                        | 40       | 4.26            | 5.15  | 9.41        | 9.74        | 30.00            | 20.26  | 30.00         | 20.26  | 5.00     | 13.15 | 18.16        | 12.59        | 36.00            | 23.41  | 36.00         | 23.41  |
|                        | 44       | 3.90            | 5.02  | 8.92        | 9.51        | 30.00            | 20.49  | 30.00         | 20.49  | 4.58     | 12.83 | 17.41        | 12.41        | 36.00            | 23.59  | 36.00         | 23.59  |

| Tested Frequency [MHz] | RU Index | Ant 0            |                           |                 |                  |                    |                          |                | Ant 2                     |                 |                  |                    |                          |                |  |
|------------------------|----------|------------------|---------------------------|-----------------|------------------|--------------------|--------------------------|----------------|---------------------------|-----------------|------------------|--------------------|--------------------------|----------------|--|
|                        |          | Duty Factor [dB] | Power Meter Reading [dBm] | Cable Loss [dB] | Atten. Loss [dB] | Antenna Gain [dBi] | Result Cond. Power [dBm] | e.i.r.p. [dBm] | Power Meter Reading [dBm] | Cable Loss [dB] | Atten. Loss [dB] | Antenna Gain [dBi] | Result Cond. Power [dBm] | e.i.r.p. [dBm] |  |
| 5510                   | 37       | 0.82             | -9.30                     | 2.98            | 10.01            | 0.70               | 4.51                     | 5.21           | -8.30                     | 2.98            | 10.01            | 4.07               | 5.51                     | 9.58           |  |
|                        | 40       | 0.82             | -8.98                     | 2.98            | 10.01            | 0.70               | 4.83                     | 5.53           | -7.88                     | 2.98            | 10.01            | 4.07               | 5.93                     | 10.00          |  |
|                        | 44       | 0.82             | -9.27                     | 2.98            | 10.01            | 0.70               | 4.54                     | 5.24           | -8.03                     | 2.98            | 10.01            | 4.07               | 5.78                     | 9.85           |  |
| 5550                   | 37       | 0.82             | -9.21                     | 2.98            | 10.01            | 0.70               | 4.60                     | 5.30           | -8.35                     | 2.98            | 10.01            | 4.07               | 5.46                     | 9.53           |  |
|                        | 40       | 0.82             | -8.86                     | 2.98            | 10.01            | 0.70               | 4.95                     | 5.65           | -8.19                     | 2.98            | 10.01            | 4.07               | 5.62                     | 9.69           |  |
|                        | 44       | 0.82             | -9.07                     | 2.98            | 10.01            | 0.70               | 4.74                     | 5.44           | -8.36                     | 2.98            | 10.01            | 4.07               | 5.45                     | 9.52           |  |
| 5670                   | 37       | 0.82             | -9.64                     | 2.99            | 10.01            | 0.70               | 4.18                     | 4.88           | -8.48                     | 2.99            | 10.01            | 4.07               | 5.34                     | 9.41           |  |
|                        | 40       | 0.82             | -9.25                     | 2.99            | 10.01            | 0.70               | 4.57                     | 5.27           | -8.13                     | 2.99            | 10.01            | 4.07               | 5.69                     | 9.76           |  |
|                        | 44       | 0.82             | -9.57                     | 2.99            | 10.01            | 0.70               | 4.25                     | 4.95           | -8.53                     | 2.99            | 10.01            | 4.07               | 5.29                     | 9.36           |  |
| 5755                   | 37       | 0.82             | -7.56                     | 3.00            | 10.01            | 0.70               | 6.27                     | 6.97           | -7.07                     | 3.00            | 10.02            | 4.07               | 6.77                     | 10.84          |  |
|                        | 40       | 0.82             | -7.21                     | 3.00            | 10.01            | 0.70               | 6.62                     | 7.32           | -6.80                     | 3.00            | 10.02            | 4.07               | 7.04                     | 11.11          |  |
|                        | 44       | 0.82             | -7.56                     | 3.00            | 10.01            | 0.70               | 6.27                     | 6.97           | -7.14                     | 3.00            | 10.02            | 4.07               | 6.70                     | 10.77          |  |
| 5795                   | 37       | 0.82             | -7.72                     | 3.00            | 10.01            | 0.70               | 6.11                     | 6.81           | -6.92                     | 3.00            | 10.02            | 4.07               | 6.92                     | 10.99          |  |
|                        | 40       | 0.82             | -7.54                     | 3.00            | 10.01            | 0.70               | 6.29                     | 6.99           | -6.72                     | 3.00            | 10.02            | 4.07               | 7.12                     | 11.19          |  |
|                        | 44       | 0.82             | -7.92                     | 3.00            | 10.01            | 0.70               | 5.91                     | 6.61           | -6.83                     | 3.00            | 10.02            | 4.07               | 7.01                     | 11.08          |  |

Sample Calculation:  
 Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor  
 e.i.r.p. Result = Conducted Power Result + Antenna Gain

15.407 Limit  
 Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower  
 Conducted Power Limit (5725 MHz-5850 MHz) = 1W  
 For all test frequencies, B was applied the minimum value (18.967 MHz) as conservative limit.

RSS-247 Limit  
 Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower  
 Conducted Power Limit (5725 MHz-5850 MHz) = 1W  
 e.i.r.p. Limit (5150-5250MHz) = 200mW or (10 + 10logB) dBm, whichever is lower  
 e.i.r.p. Limit (5250-5350MHz, 5470-5600MHz, 5650-5725MHz) = 1W or (17 + 10logB) dBm, whichever is lower  
 For all test frequencies, B was applied the minimum value (17.919 MHz) as conservative limit.

## Maximum Conducted Output Power

Test place Shonan EMC Lab. No.1 Measurement Room  
Date November 8, 2023 February 2, 2024 July 9, 2024  
Temperature / Humidity 24 deg. C / 40 % RH 22 deg. C / 37 % RH 23 deg. C / 37 % RH  
Engineer Kazuya Noda Kazuya Noda Kouki Yamada  
Mode Tx, Ant 0 + Ant 2

### 11ax-40 (OFDMA) (SDM) 106-tone

| Tested Frequency [MHz] | RU Index | Conducted power |            |             |              |                  |             |             |             | e.i.r.p. |            |              |              |                  |             |             |             |
|------------------------|----------|-----------------|------------|-------------|--------------|------------------|-------------|-------------|-------------|----------|------------|--------------|--------------|------------------|-------------|-------------|-------------|
|                        |          | 0 [mW]          | Ant 2 [mW] | Sum [mW]    | Result [dBm] | FCC 15.407 [dBm] | Margin [dB] | Limit [dBm] | Margin [dB] | 0 [mW]   | Ant 2 [mW] | Sum [mW]     | Result [dBm] | FCC 15.407 [dBm] | Margin [dB] | Limit [dBm] | Margin [dB] |
| 5190                   | 53       | 4.33            | 5.07       | 9.39        | 9.73         | 23.97            | 14.24       | -           | -           | 5.08     | 12.94      | 18.02        | 12.56        | 29.97            | 17.41       | 22.49       | 9.93        |
|                        | 54       | 4.52            | 5.27       | <b>9.79</b> | <b>9.91</b>  | 23.97            | 14.06       | -           | -           | 5.31     | 13.46      | <b>18.77</b> | <b>12.73</b> | 29.97            | 17.24       | 22.49       | 9.76        |
|                        | 56       | 4.42            | 5.14       | 9.56        | 9.80         | 23.97            | 14.17       | -           | -           | 5.19     | 13.12      | 18.31        | 12.63        | 29.97            | 17.34       | 22.49       | 9.86        |
| 5230                   | 53       | 4.71            | 4.79       | 9.50        | 9.78         | 23.97            | 14.19       | -           | -           | 5.53     | 12.22      | 17.75        | 12.49        | 29.97            | 17.48       | 22.49       | 10.00       |
|                        | 54       | 4.78            | 4.95       | 9.73        | 9.88         | 23.97            | 14.09       | -           | -           | 5.61     | 12.65      | 18.26        | 12.61        | 29.97            | 17.36       | 22.49       | 9.88        |
|                        | 56       | 4.65            | 4.82       | 9.46        | 9.76         | 23.97            | 14.21       | -           | -           | 5.46     | 12.30      | 17.76        | 12.49        | 29.97            | 17.48       | 22.49       | 10.00       |
| 5270                   | 53       | 2.82            | 3.30       | 6.12        | 7.87         | 23.80            | 15.93       | 23.49       | 15.62       | 3.32     | 8.41       | 11.73        | 10.69        | 29.97            | 19.28       | 29.49       | 18.80       |
|                        | 54       | 2.95            | 3.58       | 6.53        | 8.15         | 23.80            | 15.65       | 23.49       | 15.34       | 3.47     | 9.14       | <b>12.61</b> | <b>11.01</b> | 29.97            | 18.96       | 29.49       | 18.48       |
|                        | 56       | 2.83            | 3.53       | 6.36        | 8.04         | 23.80            | 15.76       | 23.49       | 15.45       | 3.33     | 9.02       | 12.34        | 10.91        | 29.97            | 19.06       | 29.49       | 18.58       |
| 5310                   | 53       | 3.13            | 3.12       | 6.25        | 7.96         | 23.80            | 15.84       | 23.49       | 15.53       | 3.68     | 7.96       | 11.64        | 10.66        | 29.97            | 19.31       | 29.49       | 18.83       |
|                        | 54       | 3.30            | 3.33       | <b>6.63</b> | <b>8.22</b>  | 23.80            | 15.58       | 23.49       | 15.27       | 3.87     | 8.51       | 12.38        | 10.93        | 29.97            | 19.04       | 29.49       | 18.56       |
|                        | 56       | 3.25            | 3.24       | 6.49        | 8.12         | 23.80            | 15.68       | 23.49       | 15.37       | 3.82     | 8.26       | 12.08        | 10.82        | 29.97            | 19.15       | 29.49       | 18.67       |

| Tested Frequency [MHz] | RU Index | Ant 0            |                           |                 |                  |                    |                   |                |              | Ant 2            |                           |                 |                  |                    |                   |                |              |
|------------------------|----------|------------------|---------------------------|-----------------|------------------|--------------------|-------------------|----------------|--------------|------------------|---------------------------|-----------------|------------------|--------------------|-------------------|----------------|--------------|
|                        |          | Duty Factor [dB] | Power Meter Reading [dBm] | Cable Loss [dB] | Atten. Loss [dB] | Antenna Gain [dBi] | Cond. Power [dBm] | e.i.r.p. [dBm] | Result [dBm] | Duty Factor [dB] | Power Meter Reading [dBm] | Cable Loss [dB] | Atten. Loss [dB] | Antenna Gain [dBi] | Cond. Power [dBm] | e.i.r.p. [dBm] | Result [dBm] |
| 5190                   | 53       | 1.08             | -7.68                     | 2.95            | 10.01            | 0.70               | 6.36              | 7.06           | -6.98        | 2.95             | 10.00                     | 4.07            | 7.05             | 11.12              | 7.05              | 11.12          | 11.12        |
|                        | 54       | 1.08             | -7.49                     | 2.95            | 10.01            | 0.70               | 6.55              | 7.25           | -6.81        | 2.95             | 10.00                     | 4.07            | 7.22             | 11.29              | 7.22              | 11.29          | 11.29        |
|                        | 56       | 1.08             | -7.59                     | 2.95            | 10.01            | 0.70               | 6.45              | 7.15           | -6.92        | 2.95             | 10.00                     | 4.07            | 7.11             | 11.18              | 7.11              | 11.18          | 11.18        |
| 5230                   | 53       | 1.08             | -7.31                     | 2.95            | 10.01            | 0.70               | 6.73              | 7.43           | -7.23        | 2.95             | 10.00                     | 4.07            | 6.80             | 10.87              | 6.80              | 10.87          | 10.87        |
|                        | 54       | 1.08             | -7.25                     | 2.95            | 10.01            | 0.70               | 6.79              | 7.49           | -7.08        | 2.95             | 10.00                     | 4.07            | 6.95             | 11.02              | 6.95              | 11.02          | 11.02        |
|                        | 56       | 1.08             | -7.37                     | 2.95            | 10.01            | 0.70               | 6.67              | 7.37           | -7.20        | 2.95             | 10.00                     | 4.07            | 6.83             | 10.90              | 6.83              | 10.90          | 10.90        |
| 5270                   | 53       | 1.08             | -9.53                     | 2.95            | 10.01            | 0.70               | 4.51              | 5.21           | -8.86        | 2.96             | 10.00                     | 4.07            | 5.18             | 9.25               | 5.18              | 9.25           | 9.25         |
|                        | 54       | 1.08             | -9.34                     | 2.95            | 10.01            | 0.70               | 4.70              | 5.40           | -8.50        | 2.96             | 10.00                     | 4.07            | 5.54             | 9.61               | 5.54              | 9.61           | 9.61         |
|                        | 56       | 1.08             | -9.52                     | 2.95            | 10.01            | 0.70               | 4.52              | 5.22           | -8.56        | 2.96             | 10.00                     | 4.07            | 5.48             | 9.55               | 5.48              | 9.55           | 9.55         |
| 5310                   | 53       | 1.08             | -9.09                     | 2.96            | 10.01            | 0.70               | 4.96              | 5.66           | -9.10        | 2.96             | 10.00                     | 4.07            | 4.94             | 9.01               | 4.94              | 9.01           | 9.01         |
|                        | 54       | 1.08             | -8.87                     | 2.96            | 10.01            | 0.70               | 5.18              | 5.88           | -8.81        | 2.96             | 10.00                     | 4.07            | 5.23             | 9.30               | 5.23              | 9.30           | 9.30         |
|                        | 56       | 1.08             | -8.93                     | 2.96            | 10.01            | 0.70               | 5.12              | 5.82           | -8.94        | 2.96             | 10.00                     | 4.07            | 5.10             | 9.17               | 5.10              | 9.17           | 9.17         |

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor  
e.i.r.p. Result = Conducted Power Result + Antenna Gain

#### 15.407 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

For all test frequencies, B was applied the minimum value (19.067 MHz) as conservative limit.

#### RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

e.i.r.p. Limit (5150-5250MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250-5350MHz, 5470-5600MHz, 5650-5725MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (17.774 MHz) as conservative limit.

## Maximum Conducted Output Power

|                        |                                       |                     |                     |
|------------------------|---------------------------------------|---------------------|---------------------|
| Test place             | Shonan EMC Lab. No.1 Measurement Room |                     |                     |
| Date                   | November 8, 2023                      | February 2, 2024    | July 9, 2024        |
| Temperature / Humidity | 24 deg. C / 40 % RH                   | 22 deg. C / 37 % RH | 23 deg. C / 37 % RH |
| Engineer               | Kazuya Noda                           | Kazuya Noda         | Kouki Yamada        |
| Mode                   | Tx, Ant 0 + Ant 2                     |                     |                     |

11ax-40 (OFDMA) (SDM) 106-tone

| Tested Frequency [MHz] | RU Index | Conducted power |            |          |              |                  |             |                     |             | e.i.r.p. |            |          |              |                  |             |                     |             |
|------------------------|----------|-----------------|------------|----------|--------------|------------------|-------------|---------------------|-------------|----------|------------|----------|--------------|------------------|-------------|---------------------|-------------|
|                        |          | 0 [mW]          | Ant 2 [mW] | Sum [mW] | Result [dBm] | FCC 15.407 [dBm] | Margin [dB] | RSS-247 Limit [dBm] | Margin [dB] | 0 [mW]   | Ant 2 [mW] | Sum [mW] | Result [dBm] | FCC 15.407 [dBm] | Margin [dB] | RSS-247 Limit [dBm] | Margin [dB] |
| 5510                   | 53       | 5.12            | 6.64       | 11.75    | 10.70        | 23.80            | 13.10       | 23.49               | 12.79       | 6.01     | 16.94      | 22.95    | 13.61        | 29.97            | 16.36       | 29.49               | 15.88       |
|                        | 54       | 5.36            | 6.97       | 12.32    | 10.91        | 23.80            | 12.89       | 23.49               | 12.58       | 6.30     | 17.78      | 24.08    | 13.82        | 29.97            | 16.15       | 29.49               | 15.67       |
|                        | 56       | 5.21            | 6.85       | 12.07    | 10.82        | 23.80            | 12.98       | 23.49               | 12.67       | 6.12     | 17.50      | 23.62    | 13.73        | 29.97            | 16.24       | 29.49               | 15.76       |
| 5550                   | 53       | 5.37            | 6.31       | 11.68    | 10.67        | 23.80            | 13.13       | 23.49               | 12.82       | 6.31     | 16.11      | 22.42    | 13.51        | 29.97            | 16.46       | 29.49               | 15.98       |
|                        | 54       | 5.64            | 6.61       | 12.24    | 10.88        | 23.80            | 12.92       | 23.49               | 12.61       | 6.62     | 16.87      | 23.49    | 13.71        | 29.97            | 16.26       | 29.49               | 15.78       |
|                        | 56       | 5.44            | 6.34       | 11.78    | 10.71        | 23.80            | 13.09       | 23.49               | 12.78       | 6.40     | 16.18      | 22.58    | 13.54        | 29.97            | 16.43       | 29.49               | 15.95       |
| 5670                   | 53       | 4.70            | 6.40       | 11.10    | 10.45        | 23.80            | 13.35       | 23.49               | 13.04       | 5.52     | 16.33      | 21.85    | 13.39        | 29.97            | 16.58       | 29.49               | 16.10       |
|                        | 54       | 4.98            | 6.70       | 11.68    | 10.67        | 23.80            | 13.13       | 23.49               | 12.82       | 5.85     | 17.10      | 22.95    | 13.61        | 29.97            | 16.36       | 29.49               | 15.88       |
|                        | 56       | 4.73            | 6.27       | 11.00    | 10.41        | 23.80            | 13.39       | 23.49               | 13.08       | 5.56     | 16.00      | 21.55    | 13.34        | 29.97            | 16.63       | 29.49               | 16.15       |
| 5755                   | 53       | 4.23            | 4.72       | 8.95     | 9.52         | 30.00            | 20.48       | 30.00               | 20.48       | 4.97     | 12.05      | 17.02    | 12.31        | 36.00            | 23.69       | 36.00               | 23.69       |
|                        | 54       | 4.41            | 4.94       | 9.35     | 9.71         | 30.00            | 20.29       | 30.00               | 20.29       | 5.18     | 12.62      | 17.79    | 12.50        | 36.00            | 23.50       | 36.00               | 23.50       |
|                        | 56       | 4.28            | 4.65       | 8.92     | 9.50         | 30.00            | 20.50       | 30.00               | 20.50       | 5.02     | 11.86      | 16.88    | 12.27        | 36.00            | 23.73       | 36.00               | 23.73       |
| 5795                   | 53       | 4.06            | 4.91       | 8.96     | 9.53         | 30.00            | 20.47       | 30.00               | 20.47       | 4.76     | 12.53      | 17.30    | 12.38        | 36.00            | 23.62       | 36.00               | 23.62       |
|                        | 54       | 4.11            | 5.08       | 9.19     | 9.63         | 30.00            | 20.37       | 30.00               | 20.37       | 4.83     | 12.97      | 17.80    | 12.50        | 36.00            | 23.50       | 36.00               | 23.50       |
|                        | 56       | 3.94            | 5.07       | 9.01     | 9.55         | 30.00            | 20.45       | 30.00               | 20.45       | 4.62     | 12.94      | 17.57    | 12.45        | 36.00            | 23.55       | 36.00               | 23.55       |

| Tested Frequency [MHz] | RU Index | Duty Factor [dB] | Ant 0                     |                 |                  |                    |                          |                       | Ant 2                     |                 |                  |                    |                          |                       |
|------------------------|----------|------------------|---------------------------|-----------------|------------------|--------------------|--------------------------|-----------------------|---------------------------|-----------------|------------------|--------------------|--------------------------|-----------------------|
|                        |          |                  | Power Meter Reading [dBm] | Cable Loss [dB] | Atten. Loss [dB] | Antenna Gain [dBi] | Result Cond. Power [dBm] | Result e.i.r.p. [dBm] | Power Meter Reading [dBm] | Cable Loss [dB] | Atten. Loss [dB] | Antenna Gain [dBi] | Result Cond. Power [dBm] | Result e.i.r.p. [dBm] |
| 5510                   | 53       | 1.08             | -6.98                     | 2.98            | 10.01            | 0.70               | 7.09                     | 7.79                  | -5.85                     | 2.98            | 10.01            | 4.07               | 8.22                     | 12.29                 |
|                        | 54       | 1.08             | -6.78                     | 2.98            | 10.01            | 0.70               | 7.29                     | 7.99                  | -5.64                     | 2.98            | 10.01            | 4.07               | 8.43                     | 12.50                 |
|                        | 56       | 1.08             | -6.90                     | 2.98            | 10.01            | 0.70               | 7.17                     | 7.87                  | -5.71                     | 2.98            | 10.01            | 4.07               | 8.36                     | 12.43                 |
| 5550                   | 53       | 1.08             | -6.77                     | 2.98            | 10.01            | 0.70               | 7.30                     | 8.00                  | -6.07                     | 2.98            | 10.01            | 4.07               | 8.00                     | 12.07                 |
|                        | 54       | 1.08             | -6.56                     | 2.98            | 10.01            | 0.70               | 7.51                     | 8.21                  | -5.87                     | 2.98            | 10.01            | 4.07               | 8.20                     | 12.27                 |
|                        | 56       | 1.08             | -6.71                     | 2.98            | 10.01            | 0.70               | 7.36                     | 8.06                  | -6.05                     | 2.98            | 10.01            | 4.07               | 8.02                     | 12.09                 |
| 5670                   | 53       | 1.08             | -7.36                     | 2.99            | 10.01            | 0.70               | 6.72                     | 7.42                  | -6.02                     | 2.99            | 10.01            | 4.07               | 8.06                     | 12.13                 |
|                        | 54       | 1.08             | -7.11                     | 2.99            | 10.01            | 0.70               | 6.97                     | 7.67                  | -5.82                     | 2.99            | 10.01            | 4.07               | 8.26                     | 12.33                 |
|                        | 56       | 1.08             | -7.33                     | 2.99            | 10.01            | 0.70               | 6.75                     | 7.45                  | -6.11                     | 2.99            | 10.01            | 4.07               | 7.97                     | 12.04                 |
| 5755                   | 53       | 1.08             | -7.83                     | 3.00            | 10.01            | 0.70               | 6.26                     | 6.96                  | -7.36                     | 3.00            | 10.02            | 4.07               | 6.74                     | 10.81                 |
|                        | 54       | 1.08             | -7.65                     | 3.00            | 10.01            | 0.70               | 6.44                     | 7.14                  | -7.16                     | 3.00            | 10.02            | 4.07               | 6.94                     | 11.01                 |
|                        | 56       | 1.08             | -7.78                     | 3.00            | 10.01            | 0.70               | 6.31                     | 7.01                  | -7.43                     | 3.00            | 10.02            | 4.07               | 6.67                     | 10.74                 |
| 5795                   | 53       | 1.08             | -8.01                     | 3.00            | 10.01            | 0.70               | 6.08                     | 6.78                  | -7.19                     | 3.00            | 10.02            | 4.07               | 6.91                     | 10.98                 |
|                        | 54       | 1.08             | -7.95                     | 3.00            | 10.01            | 0.70               | 6.14                     | 6.84                  | -7.04                     | 3.00            | 10.02            | 4.07               | 7.06                     | 11.13                 |
|                        | 56       | 1.08             | -8.14                     | 3.00            | 10.01            | 0.70               | 5.95                     | 6.65                  | -7.05                     | 3.00            | 10.02            | 4.07               | 7.05                     | 11.12                 |

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor  
e.i.r.p. Result = Conducted Power Result + Antenna Gain

15.407 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

For all test frequencies, B was applied the minimum value (19.067 MHz) as conservative limit.

RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

e.i.r.p. Limit (5150-5250MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250-5350MHz, 5470-5600MHz, 5650-5725MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (17.774 MHz) as conservative limit.

## Maximum Conducted Output Power

Test place Shonan EMC Lab. No.1 Measurement Room  
Date November 8, 2023 February 5, 2024  
Temperature / Humidity 24 deg. C / 40 % RH 23 deg. C / 32 % RH  
Engineer Kazuya Noda Kazuya Noda  
Mode Tx, Ant 0 + Ant 2

11ax-40 (OFDMA) (SDM) 242-tone

| Tested Frequency [MHz] | RU Index | Conducted power |            |          |              |                        |             |                     |             | e.i.r.p. |            |          |              |                        |             |                     |             |
|------------------------|----------|-----------------|------------|----------|--------------|------------------------|-------------|---------------------|-------------|----------|------------|----------|--------------|------------------------|-------------|---------------------|-------------|
|                        |          | 0 [mW]          | Ant 2 [mW] | Sum [mW] | Result [dBm] | FCC 15.407 Limit [dBm] | Margin [dB] | RSS-247 Limit [dBm] | Margin [dB] | 0 [mW]   | Ant 2 [mW] | Sum [mW] | Result [dBm] | FCC 15.407 Limit [dBm] | Margin [dB] | RSS-247 Limit [dBm] | Margin [dB] |
| 5190                   | 61       | 5.60            | 6.67       | 12.28    | 10.89        | 23.97                  | 13.08       | -                   | -           | 6.58     | 17.04      | 23.62    | 13.73        | 29.97                  | 16.24       | 23.01               | 9.28        |
|                        | 62       | 5.72            | 6.63       | 12.35    | 10.92        | 23.97                  | 13.05       | -                   | -           | 6.72     | 16.92      | 23.64    | 13.74        | 29.97                  | 16.23       | 23.01               | 9.27        |
| 5230                   | 61       | 5.58            | 6.17       | 11.75    | 10.70        | 23.97                  | 13.27       | -                   | -           | 6.55     | 15.76      | 22.31    | 13.48        | 29.97                  | 16.49       | 23.01               | 9.53        |
|                        | 62       | 5.49            | 6.00       | 11.49    | 10.60        | 23.97                  | 13.37       | -                   | -           | 6.45     | 15.33      | 21.77    | 13.38        | 29.97                  | 16.59       | 23.01               | 9.63        |
| 5270                   | 61       | 5.34            | 6.32       | 11.65    | 10.66        | 23.97                  | 13.31       | 23.97               | 13.31       | 6.27     | 16.12      | 22.40    | 13.50        | 29.97                  | 16.47       | 30.00               | 16.50       |
|                        | 62       | 5.28            | 6.54       | 11.82    | 10.72        | 23.97                  | 13.25       | 23.97               | 13.25       | 6.20     | 16.69      | 22.89    | 13.60        | 29.97                  | 16.37       | 30.00               | 16.40       |
| 5310                   | 61       | 6.07            | 6.19       | 12.26    | 10.88        | 23.97                  | 13.09       | 23.97               | 13.09       | 7.14     | 15.79      | 22.93    | 13.60        | 29.97                  | 16.37       | 30.00               | 16.40       |
|                        | 62       | 6.19            | 6.21       | 12.40    | 10.93        | 23.97                  | 13.04       | 23.97               | 13.04       | 7.27     | 15.86      | 23.13    | 13.64        | 29.97                  | 16.33       | 30.00               | 16.36       |
| 5510                   | 61       | 5.33            | 6.86       | 12.19    | 10.86        | 23.97                  | 13.11       | 23.97               | 13.11       | 6.26     | 17.52      | 23.77    | 13.76        | 29.97                  | 16.21       | 30.00               | 16.24       |
|                        | 62       | 5.38            | 6.97       | 12.35    | 10.92        | 23.97                  | 13.05       | 23.97               | 13.05       | 6.32     | 17.80      | 24.12    | 13.82        | 29.97                  | 16.15       | 30.00               | 16.18       |
| 5550                   | 61       | 5.25            | 5.88       | 11.13    | 10.47        | 23.97                  | 13.50       | 23.97               | 13.50       | 6.17     | 15.01      | 21.18    | 13.26        | 29.97                  | 16.71       | 30.00               | 16.74       |
|                        | 62       | 5.34            | 5.89       | 11.23    | 10.50        | 23.97                  | 13.47       | 23.97               | 13.47       | 6.27     | 15.05      | 21.32    | 13.29        | 29.97                  | 16.68       | 30.00               | 16.71       |
| 5670                   | 61       | 4.90            | 6.61       | 11.52    | 10.61        | 23.97                  | 13.36       | 23.97               | 13.36       | 5.76     | 16.88      | 22.64    | 13.55        | 29.97                  | 16.42       | 30.00               | 16.45       |
|                        | 62       | 4.82            | 6.46       | 11.29    | 10.53        | 23.97                  | 13.44       | 23.97               | 13.44       | 5.67     | 16.50      | 22.17    | 13.46        | 29.97                  | 16.51       | 30.00               | 16.54       |
| 5755                   | 61       | 4.35            | 4.93       | 9.27     | 9.67         | 30.00                  | 20.33       | 30.00               | 20.33       | 5.11     | 12.57      | 17.68    | 12.48        | 36.00                  | 23.52       | 36.00               | 23.52       |
|                        | 62       | 4.29            | 4.87       | 9.16     | 9.62         | 30.00                  | 20.38       | 30.00               | 20.38       | 5.04     | 12.43      | 17.47    | 12.42        | 36.00                  | 23.58       | 36.00               | 23.58       |
| 5795                   | 61       | 4.08            | 5.01       | 9.08     | 9.58         | 30.00                  | 20.42       | 30.00               | 20.42       | 4.79     | 12.78      | 17.57    | 12.45        | 36.00                  | 23.55       | 36.00               | 23.55       |
|                        | 62       | 4.04            | 5.19       | 9.23     | 9.65         | 30.00                  | 20.35       | 30.00               | 20.35       | 4.75     | 13.26      | 18.00    | 12.55        | 36.00                  | 23.45       | 36.00               | 23.45       |

| Tested Frequency [MHz] | RU Index | Duty Factor [dB] | Ant 0                     |                 |                  |                    |                          |                | Ant 2                     |                 |                  |                    |                          |                |
|------------------------|----------|------------------|---------------------------|-----------------|------------------|--------------------|--------------------------|----------------|---------------------------|-----------------|------------------|--------------------|--------------------------|----------------|
|                        |          |                  | Power Meter Reading [dBm] | Cable Loss [dB] | Atten. Loss [dB] | Antenna Gain [dBi] | Result Cond. Power [dBm] | e.i.r.p. [dBm] | Power Meter Reading [dBm] | Cable Loss [dB] | Atten. Loss [dB] | Antenna Gain [dBi] | Result Cond. Power [dBm] | e.i.r.p. [dBm] |
| 5190                   | 61       | 1.35             | -6.83                     | 2.95            | 10.01            | 0.70               | 7.48                     | 8.18           | -6.06                     | 2.95            | 10.00            | 4.07               | 8.24                     | 12.31          |
|                        | 62       | 1.35             | -6.74                     | 2.95            | 10.01            | 0.70               | 7.57                     | 8.27           | -6.09                     | 2.95            | 10.00            | 4.07               | 8.21                     | 12.28          |
| 5230                   | 61       | 1.35             | -6.85                     | 2.95            | 10.01            | 0.70               | 7.46                     | 8.16           | -6.40                     | 2.95            | 10.00            | 4.07               | 7.90                     | 11.97          |
|                        | 62       | 1.35             | -6.92                     | 2.95            | 10.01            | 0.70               | 7.39                     | 8.09           | -6.52                     | 2.95            | 10.00            | 4.07               | 7.78                     | 11.85          |
| 5270                   | 61       | 1.35             | -7.04                     | 2.95            | 10.01            | 0.70               | 7.27                     | 7.97           | -6.31                     | 2.96            | 10.00            | 4.07               | 8.00                     | 12.07          |
|                        | 62       | 1.35             | -7.09                     | 2.95            | 10.01            | 0.70               | 7.22                     | 7.92           | -6.16                     | 2.96            | 10.00            | 4.07               | 8.15                     | 12.22          |
| 5310                   | 61       | 1.35             | -6.49                     | 2.96            | 10.01            | 0.70               | 7.83                     | 8.53           | -6.40                     | 2.96            | 10.00            | 4.07               | 7.91                     | 11.98          |
|                        | 62       | 1.35             | -6.41                     | 2.96            | 10.01            | 0.70               | 7.91                     | 8.61           | -6.38                     | 2.96            | 10.00            | 4.07               | 7.93                     | 12.00          |
| 5510                   | 61       | 1.35             | -7.08                     | 2.98            | 10.01            | 0.70               | 7.26                     | 7.96           | -5.98                     | 2.98            | 10.01            | 4.07               | 8.36                     | 12.43          |
|                        | 62       | 1.35             | -7.04                     | 2.98            | 10.01            | 0.70               | 7.30                     | 8.00           | -5.91                     | 2.98            | 10.01            | 4.07               | 8.43                     | 12.50          |
| 5550                   | 61       | 1.35             | -7.14                     | 2.98            | 10.01            | 0.70               | 7.20                     | 7.90           | -6.65                     | 2.98            | 10.01            | 4.07               | 7.69                     | 11.76          |
|                        | 62       | 1.35             | -7.07                     | 2.98            | 10.01            | 0.70               | 7.27                     | 7.97           | -6.64                     | 2.98            | 10.01            | 4.07               | 7.70                     | 11.77          |
| 5670                   | 61       | 1.35             | -7.45                     | 2.99            | 10.01            | 0.70               | 6.90                     | 7.60           | -6.15                     | 2.99            | 10.01            | 4.07               | 8.20                     | 12.27          |
|                        | 62       | 1.35             | -7.52                     | 2.99            | 10.01            | 0.70               | 6.83                     | 7.53           | -6.25                     | 2.99            | 10.01            | 4.07               | 8.10                     | 12.17          |
| 5755                   | 61       | 1.35             | -7.98                     | 3.00            | 10.01            | 0.70               | 6.38                     | 7.08           | -7.45                     | 3.00            | 10.02            | 4.07               | 6.92                     | 10.99          |
|                        | 62       | 1.35             | -8.04                     | 3.00            | 10.01            | 0.70               | 6.32                     | 7.02           | -7.50                     | 3.00            | 10.02            | 4.07               | 6.87                     | 10.94          |
| 5795                   | 61       | 1.35             | -8.26                     | 3.00            | 10.01            | 0.70               | 6.10                     | 6.80           | -7.38                     | 3.00            | 10.02            | 4.07               | 6.99                     | 11.06          |
|                        | 62       | 1.35             | -8.30                     | 3.00            | 10.01            | 0.70               | 6.06                     | 6.76           | -7.22                     | 3.00            | 10.02            | 4.07               | 7.15                     | 11.22          |

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor

e.i.r.p. Result = Conducted Power Result + Antenna Gain

15.407 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

For all test frequencies, B was applied the minimum value (38.945 MHz) as conservative limit.

RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

e.i.r.p. Limit (5150-5250MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250-5350MHz, 5470-5600MHz, 5650-5725MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (25.022 MHz) as conservative limit.

## Maximum Conducted Output Power

Test place  
Date  
Temperature / Humidity  
Engineer  
Mode

Shonan EMC Lab. No.1 Measurement Room  
November 8, 2023 February 5, 2024  
24 deg. C / 40 % RH 23 deg. C / 32 % RH  
Kazuya Noda Kazuya Noda  
Tx, Ant 0 + Ant 2

11ax-40 (OFDMA) (SDM) 484-tone

| Tested Frequency<br>[MHz] | RU Index | Conducted power |       |       |        |                  |        |               |        |      |       | e.i.r.p. |        |                  |        |               |        |  |  |
|---------------------------|----------|-----------------|-------|-------|--------|------------------|--------|---------------|--------|------|-------|----------|--------|------------------|--------|---------------|--------|--|--|
|                           |          | 0               | Ant 2 | Sum   | Result | FCC 15.407 Limit | Margin | RSS-247 Limit | Margin | 0    | Ant 2 | Sum      | Result | FCC 15.407 Limit | Margin | RSS-247 Limit | Margin |  |  |
|                           |          | [mW]            | [mW]  | [mW]  | [dBm]  | [dBm]            | [dB]   | [dBm]         | [dB]   | [mW] | [mW]  | [mW]     | [dBm]  | [dBm]            | [dB]   | [dBm]         | [dB]   |  |  |
| 5190                      | 65       | 5.70            | 6.77  | 12.47 | 10.96  | 23.97            | 13.01  | -             | -      | 6.69 | 17.29 | 23.98    | 13.80  | 29.97            | 16.17  | 23.01         | 9.21   |  |  |
| 5230                      | 65       | 5.88            | 6.25  | 12.13 | 10.84  | 23.97            | 13.13  | -             | -      | 6.91 | 15.95 | 22.86    | 13.59  | 29.97            | 16.38  | 23.01         | 9.42   |  |  |
| 5270                      | 65       | 5.41            | 6.98  | 12.39 | 10.93  | 23.97            | 13.04  | 23.97         | 13.04  | 6.35 | 17.81 | 24.17    | 13.83  | 29.97            | 16.14  | 30.00         | 16.17  |  |  |
| 5310                      | 65       | 6.34            | 6.48  | 12.82 | 11.08  | 23.97            | 12.89  | 23.97         | 12.89  | 7.45 | 16.55 | 23.99    | 13.80  | 29.97            | 16.17  | 30.00         | 16.20  |  |  |
| 5510                      | 65       | 5.43            | 7.03  | 12.45 | 10.95  | 23.97            | 13.02  | 23.97         | 13.02  | 6.38 | 17.93 | 24.31    | 13.86  | 29.97            | 16.11  | 30.00         | 16.14  |  |  |
| 5550                      | 65       | 5.54            | 6.56  | 12.10 | 10.83  | 23.97            | 13.14  | 23.97         | 13.14  | 6.51 | 16.74 | 23.25    | 13.66  | 29.97            | 16.31  | 30.00         | 16.34  |  |  |
| 5670                      | 65       | 4.99            | 6.76  | 11.74 | 10.70  | 23.97            | 13.27  | 23.97         | 13.27  | 5.86 | 17.25 | 23.10    | 13.64  | 29.97            | 16.33  | 30.00         | 16.36  |  |  |
| 5755                      | 65       | 4.43            | 5.04  | 9.48  | 9.77   | 30.00            | 20.23  | 30.00         | 20.23  | 5.21 | 12.87 | 18.08    | 12.57  | 36.00            | 23.43  | 36.00         | 23.43  |  |  |
| 5795                      | 65       | 4.09            | 5.38  | 9.47  | 9.76   | 30.00            | 20.24  | 30.00         | 20.24  | 4.80 | 13.73 | 18.54    | 12.68  | 36.00            | 23.32  | 36.00         | 23.32  |  |  |

| Tested Frequency<br>[MHz] | RU Index | Duty Factor | Ant 0               |            |             |              |             |          |       |      | Ant 2               |            |             |              |             |          |  |  |
|---------------------------|----------|-------------|---------------------|------------|-------------|--------------|-------------|----------|-------|------|---------------------|------------|-------------|--------------|-------------|----------|--|--|
|                           |          |             | Power Meter Reading | Cable Loss | Atten. Loss | Antenna Gain | Cond. Power | e.i.r.p. |       |      | Power Meter Reading | Cable Loss | Atten. Loss | Antenna Gain | Cond. Power | e.i.r.p. |  |  |
|                           |          | [dB]        | [dBm]               | [dB]       | [dB]        | [dBi]        | [dBm]       | [dBm]    |       |      | [dBm]               | [dB]       | [dB]        | [dBi]        | [dBm]       | [dBm]    |  |  |
| 5190                      | 65       | 1.50        | -6.90               | 2.95       | 10.01       | 0.70         | 7.56        | 8.26     | -6.14 | 2.95 | 10.00               | 4.07       | 8.31        | 12.38        |             |          |  |  |
| 5230                      | 65       | 1.50        | -6.76               | 2.95       | 10.01       | 0.70         | 7.70        | 8.40     | -6.49 | 2.95 | 10.00               | 4.07       | 7.96        | 12.03        |             |          |  |  |
| 5270                      | 65       | 1.50        | -7.14               | 2.96       | 10.01       | 0.70         | 7.33        | 8.03     | -6.02 | 2.96 | 10.00               | 4.07       | 8.44        | 12.51        |             |          |  |  |
| 5310                      | 65       | 1.50        | -6.45               | 2.96       | 10.01       | 0.70         | 8.02        | 8.72     | -6.34 | 2.96 | 10.00               | 4.07       | 8.12        | 12.19        |             |          |  |  |
| 5510                      | 65       | 1.50        | -7.14               | 2.98       | 10.01       | 0.70         | 7.35        | 8.05     | -6.02 | 2.98 | 10.01               | 4.07       | 8.47        | 12.54        |             |          |  |  |
| 5550                      | 65       | 1.50        | -7.05               | 2.98       | 10.01       | 0.70         | 7.44        | 8.14     | -6.32 | 2.98 | 10.01               | 4.07       | 8.17        | 12.24        |             |          |  |  |
| 5670                      | 65       | 1.50        | -7.52               | 2.99       | 10.01       | 0.70         | 6.98        | 7.68     | -6.20 | 2.99 | 10.01               | 4.07       | 8.30        | 12.37        |             |          |  |  |
| 5755                      | 65       | 1.50        | -8.04               | 3.00       | 10.01       | 0.70         | 6.47        | 7.17     | -7.49 | 3.00 | 10.02               | 4.07       | 7.03        | 11.10        |             |          |  |  |
| 5795                      | 65       | 1.50        | -8.39               | 3.00       | 10.01       | 0.70         | 6.12        | 6.82     | -7.21 | 3.00 | 10.02               | 4.07       | 7.31        | 11.38        |             |          |  |  |

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor

e.i.r.p. Result = Conducted Power Result + Antenna Gain

15.407 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

For all test frequencies, B was applied the minimum value (39.885 MHz) as conservative limit.

RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

e.i.r.p. Limit (5150-5250MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250-5350MHz, 5470-5600MHz, 5650-5725MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (37.755 MHz) as conservative limit.

## Maximum Conducted Output Power

Test place Shonan EMC Lab. No.1 Measurement Room  
Date November 8, 2023 November 24, 2023 February 5, 2024 July 9, 2024  
Temperature / Humidity 24 deg. C / 40 % RH 22 deg. C / 46 % RH 23 deg. C / 32 % RH 23 deg. C / 37 % RH  
Engineer Kazuya Noda Yusuke Tanikawara Kazuya Noda Kouki Yamada  
Mode Tx, Ant 0 + Ant 2

11ax-80 (OFDMA) (SDM) 26-tone

| Tested Frequency [MHz] | RU Index | Conducted power |            |             |              |                        |             |                     |             | e.i.r.p. |            |              |              |                        |             |                     |             |
|------------------------|----------|-----------------|------------|-------------|--------------|------------------------|-------------|---------------------|-------------|----------|------------|--------------|--------------|------------------------|-------------|---------------------|-------------|
|                        |          | 0 [mW]          | Ant 2 [mW] | Sum [mW]    | Result [dBm] | FCC 15.407 Limit [dBm] | Margin [dB] | RSS-247 Limit [dBm] | Margin [dB] | 0 [mW]   | Ant 2 [mW] | Sum [mW]     | Result [dBm] | FCC 15.407 Limit [dBm] | Margin [dB] | RSS-247 Limit [dBm] | Margin [dB] |
| 5210                   | 0        | 0.69            | 0.72       | 1.41        | 1.51         | 23.97                  | 22.46       | -                   | -           | 0.81     | 1.84       | 2.66         | 4.24         | 29.97                  | 25.73       | 22.54               | 18.30       |
|                        | 18       | 0.74            | 0.79       | <b>1.53</b> | <b>1.83</b>  | 23.97                  | 22.14       | -                   | -           | 0.87     | 2.01       | <b>2.88</b>  | <b>4.59</b>  | 29.97                  | 25.38       | 22.54               | 17.95       |
|                        | 36       | 0.69            | 0.74       | 1.43        | 1.54         | 23.97                  | 22.43       | -                   | -           | 0.81     | 1.88       | 2.69         | 4.30         | 29.97                  | 25.67       | 22.54               | 18.24       |
| 5290                   | 0        | 0.40            | 0.41       | 0.80        | -0.96        | 23.79                  | 24.75       | 23.54               | 24.50       | 0.47     | 1.03       | 1.50         | 1.76         | 29.97                  | 28.21       | 29.54               | 27.78       |
|                        | 18       | 0.41            | 0.47       | <b>0.88</b> | <b>-0.55</b> | 23.79                  | 24.34       | 23.54               | 24.09       | 0.48     | 1.21       | <b>1.69</b>  | <b>2.27</b>  | 29.97                  | 27.70       | 29.54               | 27.27       |
|                        | 36       | 0.40            | 0.47       | 0.87        | -0.61        | 23.79                  | 24.40       | 23.54               | 24.15       | 0.47     | 1.19       | 1.66         | 2.21         | 29.97                  | 27.76       | 29.54               | 27.33       |
| 5530                   | 0        | 1.07            | 1.14       | 2.21        | 3.45         | 23.79                  | 20.34       | 23.54               | 20.09       | 1.26     | 2.92       | 4.18         | 6.21         | 29.97                  | 23.76       | 29.54               | 23.33       |
|                        | 18       | 1.10            | 1.24       | <b>2.34</b> | <b>3.68</b>  | 23.79                  | 20.11       | 23.54               | 19.86       | 1.29     | 3.16       | <b>4.45</b>  | <b>6.48</b>  | 29.97                  | 23.49       | 29.54               | 23.06       |
|                        | 36       | 1.04            | 1.18       | 2.22        | 3.47         | 23.79                  | 20.32       | 23.54               | 20.07       | 1.22     | 3.02       | 4.24         | 6.27         | 29.97                  | 23.70       | 29.54               | 23.27       |
| 5775                   | 0        | 4.49            | 4.64       | 9.13        | 9.61         | 30.00                  | 20.39       | 30.00               | 20.39       | 5.28     | 11.85      | 17.13        | 12.34        | 36.00                  | 23.66       | 36.00               | 23.66       |
|                        | 18       | 4.73            | 4.93       | <b>9.65</b> | <b>9.85</b>  | 30.00                  | 20.15       | 30.00               | 20.15       | 5.55     | 12.58      | <b>18.13</b> | <b>12.58</b> | 36.00                  | 23.42       | 36.00               | 23.42       |
|                        | 36       | 4.37            | 4.74       | 9.11        | 9.59         | 30.00                  | 20.41       | 30.00               | 20.41       | 5.14     | 12.09      | 17.23        | 12.36        | 36.00                  | 23.64       | 36.00               | 23.64       |

| Tested Frequency [MHz] | RU Index | Duty Factor [dB] | Ant 0                     |                 |                  |                    |                   |                | Ant 2                     |                 |                  |                    |                   |                |
|------------------------|----------|------------------|---------------------------|-----------------|------------------|--------------------|-------------------|----------------|---------------------------|-----------------|------------------|--------------------|-------------------|----------------|
|                        |          |                  | Power Meter Reading [dBm] | Cable Loss [dB] | Atten. Loss [dB] | Antenna Gain [dBi] | Cond. Power [dBm] | e.i.r.p. [dBm] | Power Meter Reading [dBm] | Cable Loss [dB] | Atten. Loss [dB] | Antenna Gain [dBi] | Cond. Power [dBm] | e.i.r.p. [dBm] |
| 5210                   | 0        | 0.55             | -15.10                    | 2.95            | 10.01            | 0.70               | -1.59             | -0.89          | -14.91                    | 2.95            | 10.00            | 4.07               | -1.41             | 2.66           |
|                        | 18       | 0.55             | -14.82                    | 2.95            | 10.01            | 0.70               | -1.31             | -0.61          | -14.54                    | 2.95            | 10.00            | 4.07               | -1.04             | 3.03           |
|                        | 36       | 0.55             | -15.12                    | 2.95            | 10.01            | 0.70               | -1.61             | -0.91          | -14.82                    | 2.95            | 10.00            | 4.07               | -1.32             | 2.75           |
| 5290                   | 0        | 0.55             | -17.54                    | 2.96            | 10.01            | 0.70               | -4.02             | -3.32          | -17.43                    | 2.96            | 10.00            | 4.07               | -3.92             | 0.15           |
|                        | 18       | 0.55             | -17.41                    | 2.96            | 10.01            | 0.70               | -3.89             | -3.19          | -16.76                    | 2.96            | 10.00            | 4.07               | -3.25             | 0.82           |
|                        | 36       | 0.55             | -17.47                    | 2.96            | 10.01            | 0.70               | -3.95             | -3.25          | -16.82                    | 2.96            | 10.00            | 4.07               | -3.31             | 0.76           |
| 5530                   | 0        | 0.55             | -13.24                    | 2.98            | 10.01            | 0.70               | 0.30              | 1.00           | -12.95                    | 2.98            | 10.01            | 4.07               | 0.59              | 4.66           |
|                        | 18       | 0.55             | -13.13                    | 2.98            | 10.01            | 0.70               | 0.41              | 1.11           | -12.61                    | 2.98            | 10.01            | 4.07               | 0.93              | 5.00           |
|                        | 36       | 0.55             | -13.37                    | 2.98            | 10.01            | 0.70               | 0.17              | 0.87           | -12.81                    | 2.98            | 10.01            | 4.07               | 0.73              | 4.80           |
| 5775                   | 0        | 0.55             | -7.03                     | 3.00            | 10.01            | 0.70               | 6.53              | 7.23           | -6.90                     | 3.00            | 10.02            | 4.07               | 6.67              | 10.74          |
|                        | 18       | 0.55             | -6.81                     | 3.00            | 10.01            | 0.70               | 6.75              | 7.45           | -6.64                     | 3.00            | 10.02            | 4.07               | 6.93              | 11.00          |
|                        | 36       | 0.55             | -7.15                     | 3.00            | 10.01            | 0.70               | 6.41              | 7.11           | -6.81                     | 3.00            | 10.02            | 4.07               | 6.76              | 10.83          |

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor

e.i.r.p. Result = Conducted Power Result + Antenna Gain

15.407 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

For all test frequencies, B was applied the minimum value (19.013 MHz) as conservative limit.

RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

e.i.r.p. Limit (5150-5250MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250-5350MHz, 5470-5600MHz, 5650-5725MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (17.987 MHz) as conservative limit.

## Maximum Conducted Output Power

Test place Shonan EMC Lab. No.1 Measurement Room  
Date November 8, 2023 November 24, 2023 February 5, 2024  
Temperature / Humidity 24 deg. C / 40 % RH 22 deg. C / 46 % RH 23 deg. C / 32 % RH  
Engineer Kazuya Noda Yusuke Tanikawara Kazuya Noda  
Mode Tx, Ant 0 + Ant 2

### 11ax-80 (OFDMA) (SDM) 52-tone

| Tested Frequency [MHz] | RU Index | Conducted power |            |             |              |                        |             |                     |             | e.i.r.p. |            |              |              |                        |             |                     |             |
|------------------------|----------|-----------------|------------|-------------|--------------|------------------------|-------------|---------------------|-------------|----------|------------|--------------|--------------|------------------------|-------------|---------------------|-------------|
|                        |          | 0 [mW]          | Ant 2 [mW] | Sum [mW]    | Result [dBm] | FCC 15.407 Limit [dBm] | Margin [dB] | RSS-247 Limit [dBm] | Margin [dB] | 0 [mW]   | Ant 2 [mW] | Sum [mW]     | Result [dBm] | FCC 15.407 Limit [dBm] | Margin [dB] | RSS-247 Limit [dBm] | Margin [dB] |
| 5210                   | 37       | 1.39            | 1.39       | 2.77        | 4.43         | 23.97                  | 19.54       | -                   | -           | 1.63     | 3.54       | 5.17         | 7.13         | 29.97                  | 22.84       | 22.53               | 15.40       |
|                        | 44       | 1.40            | 1.46       | <b>2.86</b> | <b>4.56</b>  | 23.97                  | 19.41       | -                   | -           | 1.64     | 3.73       | <b>5.37</b>  | <b>7.30</b>  | 29.97                  | 22.67       | 22.53               | 15.23       |
|                        | 52       | 1.38            | 1.43       | 2.82        | 4.50         | 23.97                  | 19.47       | -                   | -           | 1.62     | 3.66       | 5.29         | 7.23         | 29.97                  | 22.74       | 22.53               | 15.30       |
| 5290                   | 37       | 0.81            | 0.87       | 1.69        | 2.27         | 23.80                  | 21.53       | 23.53               | 21.26       | 0.96     | 2.23       | 3.18         | 5.03         | 29.97                  | 24.94       | 29.53               | 24.50       |
|                        | 44       | 0.82            | 0.96       | 1.79        | 2.52         | 23.80                  | 21.28       | 23.53               | 21.01       | 0.97     | 2.46       | 3.43         | 5.35         | 29.97                  | 24.62       | 29.53               | 24.18       |
|                        | 52       | 0.82            | 0.98       | <b>1.80</b> | <b>2.56</b>  | 23.80                  | 21.24       | 23.53               | 20.97       | 0.96     | 2.51       | <b>3.47</b>  | <b>5.41</b>  | 29.97                  | 24.56       | 29.53               | 24.12       |
| 5530                   | 37       | 2.13            | 2.31       | 4.43        | 6.47         | 23.80                  | 17.33       | 23.53               | 17.06       | 2.50     | 5.88       | 8.38         | 9.23         | 29.97                  | 20.74       | 29.53               | 20.30       |
|                        | 44       | 2.09            | 2.38       | 4.47        | 6.51         | 23.80                  | 17.29       | 23.53               | 17.02       | 2.46     | 6.08       | 8.54         | 9.31         | 29.97                  | 20.66       | 29.53               | 20.22       |
|                        | 52       | 2.08            | 2.40       | <b>4.48</b> | <b>6.51</b>  | 23.80                  | 17.29       | 23.53               | 17.02       | 2.45     | 6.12       | <b>8.57</b>  | <b>9.33</b>  | 29.97                  | 20.64       | 29.53               | 20.20       |
| 5775                   | 37       | 4.40            | 4.68       | <b>9.09</b> | <b>9.58</b>  | 30.00                  | 20.42       | 30.00               | 20.42       | 5.17     | 11.96      | <b>17.13</b> | <b>12.34</b> | 36.00                  | 23.66       | 36.00               | 23.66       |
|                        | 44       | 4.48            | 4.56       | 9.04        | 9.56         | 30.00                  | 20.44       | 30.00               | 20.44       | 5.27     | 11.63      | 16.90        | 12.28        | 36.00                  | 23.72       | 36.00               | 23.72       |
|                        | 52       | 4.30            | 4.72       | 9.02        | 9.55         | 30.00                  | 20.45       | 30.00               | 20.45       | 5.05     | 12.04      | 17.10        | 12.33        | 36.00                  | 23.67       | 36.00               | 23.67       |

| Tested Frequency [MHz] | RU Index | Duty Factor [dB] | Ant 0                     |                 |                  |                    |                   |                | Ant 2                     |                 |                  |                    |                   |                |
|------------------------|----------|------------------|---------------------------|-----------------|------------------|--------------------|-------------------|----------------|---------------------------|-----------------|------------------|--------------------|-------------------|----------------|
|                        |          |                  | Power Meter Reading [dBm] | Cable Loss [dB] | Atten. Loss [dB] | Antenna Gain [dBi] | Cond. Power [dBm] | e.i.r.p. [dBm] | Power Meter Reading [dBm] | Cable Loss [dB] | Atten. Loss [dB] | Antenna Gain [dBi] | Cond. Power [dBm] | e.i.r.p. [dBm] |
| 5210                   | 37       | 0.82             | -12.36                    | 2.95            | 10.01            | 0.70               | 1.42              | 2.12           | -12.35                    | 2.95            | 10.00            | 4.07               | 1.42              | 5.49           |
|                        | 44       | 0.82             | -12.33                    | 2.95            | 10.01            | 0.70               | 1.45              | 2.15           | -12.12                    | 2.95            | 10.00            | 4.07               | 1.65              | 5.72           |
|                        | 52       | 0.82             | -12.37                    | 2.95            | 10.01            | 0.70               | 1.41              | 2.11           | -12.20                    | 2.95            | 10.00            | 4.07               | 1.57              | 5.64           |
| 5290                   | 37       | 0.82             | -14.68                    | 2.96            | 10.01            | 0.70               | -0.89             | -0.19          | -14.37                    | 2.96            | 10.00            | 4.07               | -0.59             | 3.48           |
|                        | 44       | 0.82             | -14.63                    | 2.96            | 10.01            | 0.70               | -0.84             | -0.14          | -13.94                    | 2.96            | 10.00            | 4.07               | -0.16             | 3.91           |
|                        | 52       | 0.82             | -14.65                    | 2.96            | 10.01            | 0.70               | -0.86             | -0.16          | -13.85                    | 2.96            | 10.00            | 4.07               | -0.07             | 4.00           |
| 5530                   | 37       | 0.82             | -10.53                    | 2.98            | 10.01            | 0.70               | 3.28              | 3.98           | -10.18                    | 2.98            | 10.01            | 4.07               | 3.63              | 7.70           |
|                        | 44       | 0.82             | -10.60                    | 2.98            | 10.01            | 0.70               | 3.21              | 3.91           | -10.04                    | 2.98            | 10.01            | 4.07               | 3.77              | 7.84           |
|                        | 52       | 0.82             | -10.62                    | 2.98            | 10.01            | 0.70               | 3.19              | 3.89           | -10.01                    | 2.98            | 10.01            | 4.07               | 3.80              | 7.87           |
| 5775                   | 37       | 0.82             | -7.39                     | 3.00            | 10.01            | 0.70               | 6.44              | 7.14           | -7.13                     | 3.00            | 10.02            | 4.07               | 6.71              | 10.78          |
|                        | 44       | 0.82             | -7.31                     | 3.00            | 10.01            | 0.70               | 6.52              | 7.22           | -7.25                     | 3.00            | 10.02            | 4.07               | 6.59              | 10.66          |
|                        | 52       | 0.82             | -7.49                     | 3.00            | 10.01            | 0.70               | 6.34              | 7.04           | -7.10                     | 3.00            | 10.02            | 4.07               | 6.74              | 10.81          |

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor  
e.i.r.p. Result = Conducted Power Result + Antenna Gain

#### 15.407 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

For all test frequencies, B was applied the minimum value (19.074 MHz) as conservative limit.

#### RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

e.i.r.p. Limit (5150-5250MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250-5350MHz, 5470-5600MHz, 5650-5725MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (17.929 MHz) as conservative limit.

## Maximum Conducted Output Power

Test place Shonan EMC Lab. No.1 Measurement Room  
Date November 8, 2023 November 24, 2023 February 5, 2024 July 9, 2024  
Temperature / Humidity 24 deg. C / 40 % RH 22 deg. C / 46 % RH 23 deg. C / 32 % RH 23 deg. C / 37 % RH  
Engineer Kazuya Noda Yusuke Tanikawara Kazuya Noda Kouki Yamada  
Mode Tx, Ant 0 + Ant 2

### 11ax-80 (OFDMA) (SDM) 106-tone

| Tested Frequency [MHz] | RU Index | Conducted power |       |             |             |                  |        |               |        | e.i.r.p. |       |              |              |                  |        |               |        |
|------------------------|----------|-----------------|-------|-------------|-------------|------------------|--------|---------------|--------|----------|-------|--------------|--------------|------------------|--------|---------------|--------|
|                        |          | 0               | Ant 2 | Sum         | Result      | FCC 15.407 Limit | Margin | RSS-247 Limit | Margin | 0        | Ant 2 | Sum          | Result       | FCC 15.407 Limit | Margin | RSS-247 Limit | Margin |
|                        |          | [mW]            | [mW]  | [mW]        | [dBm]       | [dBm]            | [dB]   | [dBm]         | [dB]   | [mW]     | [mW]  | [mW]         | [dBm]        | [dBm]            | [dB]   | [dBm]         | [dB]   |
| 5210                   | 37       | 2.79            | 2.87  | 5.66        | 7.53        | 23.97            | 16.44  | -             | -      | 3.27     | 7.33  | 10.60        | 10.25        | 29.97            | 19.72  | 22.51         | 12.26  |
|                        | 44       | 2.82            | 2.88  | <b>5.70</b> | <b>7.56</b> | 23.97            | 16.41  | -             | -      | 3.32     | 7.34  | <b>10.66</b> | <b>10.28</b> | 29.97            | 19.69  | 22.51         | 12.23  |
|                        | 52       | 2.78            | 2.84  | 5.62        | 7.50        | 23.97            | 16.47  | -             | -      | 3.27     | 7.26  | 10.53        | 10.22        | 29.97            | 19.75  | 22.51         | 12.29  |
| 5290                   | 37       | 1.50            | 1.55  | 3.06        | 4.85        | 23.91            | 19.06  | 23.51         | 18.66  | 1.77     | 3.96  | 5.73         | 7.58         | 29.97            | 22.39  | 29.51         | 21.93  |
|                        | 44       | 1.48            | 1.65  | 3.13        | 4.95        | 23.91            | 18.96  | 23.51         | 18.56  | 1.74     | 4.21  | 5.94         | 7.74         | 29.97            | 22.23  | 29.51         | 21.77  |
|                        | 52       | 1.50            | 1.73  | <b>3.23</b> | <b>5.09</b> | 23.91            | 18.82  | 23.51         | 18.42  | 1.76     | 4.42  | <b>6.17</b>  | <b>7.90</b>  | 29.97            | 22.07  | 29.51         | 21.61  |
| 5530                   | 37       | 4.48            | 4.68  | 9.15        | 9.62        | 23.91            | 14.29  | 23.51         | 13.89  | 5.26     | 11.94 | 17.20        | 12.35        | 29.97            | 17.62  | 29.51         | 17.16  |
|                        | 44       | 4.43            | 4.82  | <b>9.24</b> | <b>9.66</b> | 23.91            | 14.25  | 23.51         | 13.85  | 5.20     | 12.30 | <b>17.50</b> | <b>12.43</b> | 29.97            | 17.54  | 29.51         | 17.08  |
|                        | 52       | 4.32            | 4.75  | 9.08        | 9.58        | 23.91            | 14.33  | 23.51         | 13.93  | 5.08     | 12.13 | 17.21        | 12.36        | 29.97            | 17.61  | 29.51         | 17.15  |
| 5775                   | 37       | 4.37            | 4.63  | 9.01        | 9.55        | 30.00            | 20.45  | 30.00         | 20.45  | 5.14     | 11.83 | 16.97        | 12.30        | 36.00            | 23.70  | 36.00         | 23.70  |
|                        | 44       | 4.44            | 4.50  | 8.93        | 9.51        | 30.00            | 20.49  | 30.00         | 20.49  | 5.21     | 11.48 | 16.69        | 12.22        | 36.00            | 23.78  | 36.00         | 23.78  |
|                        | 52       | 4.26            | 4.81  | <b>9.06</b> | <b>9.57</b> | 30.00            | 20.43  | 30.00         | 20.43  | 5.00     | 12.27 | <b>17.27</b> | <b>12.37</b> | 36.00            | 23.63  | 36.00         | 23.63  |

| Tested Frequency [MHz] | RU Index | Ant 0       |                     |            |             |              |             |          |        | Ant 2               |            |             |              |             |          |  |  |
|------------------------|----------|-------------|---------------------|------------|-------------|--------------|-------------|----------|--------|---------------------|------------|-------------|--------------|-------------|----------|--|--|
|                        |          | Duty Factor | Power Meter Reading | Cable Loss | Atten. Loss | Antenna Gain | Cond. Power | e.i.r.p. |        | Power Meter Reading | Cable Loss | Atten. Loss | Antenna Gain | Cond. Power | e.i.r.p. |  |  |
|                        |          | [dB]        | [dBm]               | [dB]       | [dB]        | [dBi]        | [dBm]       | [dBm]    |        | [dBm]               | [dB]       | [dB]        | [dBi]        | [dBm]       | [dBm]    |  |  |
| 5210                   | 37       | 1.11        | -9.62               | 2.95       | 10.01       | 0.70         | 4.45        | 5.15     | -9.48  | 2.95                | 10.00      | 4.07        | 4.58         | 8.65        |          |  |  |
|                        | 44       | 1.11        | -9.56               | 2.95       | 10.01       | 0.70         | 4.51        | 5.21     | -9.47  | 2.95                | 10.00      | 4.07        | 4.59         | 8.66        |          |  |  |
|                        | 52       | 1.11        | -9.63               | 2.95       | 10.01       | 0.70         | 4.44        | 5.14     | -9.52  | 2.95                | 10.00      | 4.07        | 4.54         | 8.61        |          |  |  |
| 5290                   | 37       | 1.11        | -12.31              | 2.96       | 10.01       | 0.70         | 1.77        | 2.47     | -12.16 | 2.96                | 10.00      | 4.07        | 1.91         | 5.98        |          |  |  |
|                        | 44       | 1.11        | -12.38              | 2.96       | 10.01       | 0.70         | 1.70        | 2.40     | -11.90 | 2.96                | 10.00      | 4.07        | 2.17         | 6.24        |          |  |  |
|                        | 52       | 1.11        | -12.33              | 2.96       | 10.01       | 0.70         | 1.75        | 2.45     | -11.69 | 2.96                | 10.00      | 4.07        | 2.38         | 6.45        |          |  |  |
| 5530                   | 37       | 1.11        | -7.59               | 2.98       | 10.01       | 0.70         | 6.51        | 7.21     | -7.40  | 2.98                | 10.01      | 4.07        | 6.70         | 10.77       |          |  |  |
|                        | 44       | 1.11        | -7.64               | 2.98       | 10.01       | 0.70         | 6.46        | 7.16     | -7.27  | 2.98                | 10.01      | 4.07        | 6.83         | 10.90       |          |  |  |
|                        | 52       | 1.11        | -7.74               | 2.98       | 10.01       | 0.70         | 6.36        | 7.06     | -7.33  | 2.98                | 10.01      | 4.07        | 6.77         | 10.84       |          |  |  |
| 5775                   | 37       | 1.11        | -7.71               | 3.00       | 10.01       | 0.70         | 6.41        | 7.11     | -7.47  | 3.00                | 10.02      | 4.07        | 6.66         | 10.73       |          |  |  |
|                        | 44       | 1.11        | -7.65               | 3.00       | 10.01       | 0.70         | 6.47        | 7.17     | -7.60  | 3.00                | 10.02      | 4.07        | 6.53         | 10.60       |          |  |  |
|                        | 52       | 1.11        | -7.83               | 3.00       | 10.01       | 0.70         | 6.29        | 6.99     | -7.31  | 3.00                | 10.02      | 4.07        | 6.82         | 10.89       |          |  |  |

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor  
e.i.r.p. Result = Conducted Power Result + Antenna Gain

#### 15.407 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

For all test frequencies, B was applied the minimum value (19.548 MHz) as conservative limit.

#### RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

e.i.r.p. Limit (5150-5250MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250-5350MHz, 5470-5600MHz, 5650-5725MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (17.827 MHz) as conservative limit.

## Maximum Conducted Output Power

Test place Shonan EMC Lab. No.1 Measurement Room  
Date November 8, 2023 February 5, 2024 July 9, 2024  
Temperature / Humidity 24 deg. C / 40 % RH 23 deg. C / 32 % RH 23 deg. C / 37 % RH  
Engineer Kazuya Noda Kazuya Noda Kouki Yamada  
Mode Tx, Ant 0 + Ant 2

### 11ax-80 (OFDMA) (SDM) 242-tone

| Tested Frequency [MHz] | RU Index | Conducted power |            |              |              |                  |             |             |             | e.i.r.p. |            |              |              |                  |             |             |             |
|------------------------|----------|-----------------|------------|--------------|--------------|------------------|-------------|-------------|-------------|----------|------------|--------------|--------------|------------------|-------------|-------------|-------------|
|                        |          | 0 [mW]          | Ant 2 [mW] | Sum [mW]     | Result [dBm] | FCC 15.407 [dBm] | Margin [dB] | Limit [dBm] | Margin [dB] | 0 [mW]   | Ant 2 [mW] | Sum [mW]     | Result [dBm] | FCC 15.407 [dBm] | Margin [dB] | Limit [dBm] | Margin [dB] |
| 5210                   | 61       | 5.68            | 5.87       | 11.55        | 10.62        | 23.97            | 13.35       | -           | -           | 6.67     | 14.98      | 21.65        | 13.35        | 29.97            | 16.62       | 22.84       | 9.49        |
|                        | 62       | 5.76            | 5.99       | <b>11.75</b> | <b>10.70</b> | 23.97            | 13.27       | -           | -           | 6.77     | 15.29      | <b>22.06</b> | <b>13.44</b> | 29.97            | 16.53       | 22.84       | 9.40        |
|                        | 64       | 5.64            | 5.76       | 11.40        | 10.57        | 23.97            | 13.40       | -           | -           | 6.63     | 14.70      | 21.33        | 13.29        | 29.97            | 16.68       | 22.84       | 9.55        |
| 5290                   | 61       | 3.09            | 3.19       | 6.29         | 7.98         | 23.97            | 15.99       | 23.84       | 15.86       | 3.63     | 8.15       | 11.79        | 10.71        | 29.97            | 19.26       | 29.84       | 19.13       |
|                        | 62       | 3.13            | 3.37       | 6.50         | 8.13         | 23.97            | 15.84       | 23.84       | 15.71       | 3.68     | 8.60       | 12.27        | 10.89        | 29.97            | 19.08       | 29.84       | 18.95       |
|                        | 64       | 3.06            | 3.49       | <b>6.54</b>  | <b>8.16</b>  | 23.97            | 15.81       | 23.84       | 15.68       | 3.59     | 8.90       | <b>12.49</b> | <b>10.97</b> | 29.97            | 19.00       | 29.84       | 18.87       |
| 5530                   | 61       | 5.89            | 6.05       | 11.94        | 10.77        | 23.97            | 13.20       | 23.84       | 13.07       | 6.92     | 15.43      | 22.36        | 13.49        | 29.97            | 16.48       | 29.84       | 16.35       |
|                        | 62       | 5.96            | 6.45       | <b>12.41</b> | <b>10.94</b> | 23.97            | 13.03       | 23.84       | 12.90       | 7.00     | 16.46      | <b>23.46</b> | <b>13.70</b> | 29.97            | 16.27       | 29.84       | 16.14       |
|                        | 64       | 5.60            | 6.13       | 11.73        | 10.69        | 23.97            | 13.28       | 23.84       | 13.15       | 6.58     | 15.65      | 22.23        | 13.47        | 29.97            | 16.50       | 29.84       | 16.37       |
| 5775                   | 61       | 4.37            | 4.59       | 8.95         | 9.52         | 30.00            | 20.48       | 30.00       | 20.48       | 5.13     | 11.71      | 16.84        | 12.26        | 36.00            | 23.74       | 36.00       | 23.74       |
|                        | 62       | 4.48            | 4.65       | <b>9.13</b>  | <b>9.61</b>  | 30.00            | 20.39       | 30.00       | 20.39       | 5.27     | 11.87      | <b>17.13</b> | <b>12.34</b> | 36.00            | 23.66       | 36.00       | 23.66       |
|                        | 64       | 4.32            | 4.65       | 8.97         | 9.53         | 30.00            | 20.47       | 30.00       | 20.47       | 5.07     | 11.87      | 16.94        | 12.29        | 36.00            | 23.71       | 36.00       | 23.71       |

| Tested Frequency [MHz] | RU Index | Duty Factor [dB] | Ant 0                     |                 |                  |                    |                   |                | Ant 2                     |                 |                  |                    |                   |                |
|------------------------|----------|------------------|---------------------------|-----------------|------------------|--------------------|-------------------|----------------|---------------------------|-----------------|------------------|--------------------|-------------------|----------------|
|                        |          |                  | Power Meter Reading [dBm] | Cable Loss [dB] | Atten. Loss [dB] | Antenna Gain [dBi] | Cond. Power [dBm] | e.i.r.p. [dBm] | Power Meter Reading [dBm] | Cable Loss [dB] | Atten. Loss [dB] | Antenna Gain [dBi] | Cond. Power [dBm] | e.i.r.p. [dBm] |
| 5210                   | 61       | 1.33             | -6.75                     | 2.95            | 10.01            | 0.70               | 7.54              | 8.24           | -6.60                     | 2.95            | 10.00            | 4.07               | 7.68              | 11.75          |
|                        | 62       | 1.33             | -6.69                     | 2.95            | 10.01            | 0.70               | 7.60              | 8.30           | -6.51                     | 2.95            | 10.00            | 4.07               | 7.77              | 11.84          |
|                        | 64       | 1.33             | -6.78                     | 2.95            | 10.01            | 0.70               | 7.51              | 8.21           | -6.68                     | 2.95            | 10.00            | 4.07               | 7.60              | 11.67          |
| 5290                   | 61       | 1.33             | -9.40                     | 2.96            | 10.01            | 0.70               | 4.90              | 5.60           | -9.25                     | 2.96            | 10.00            | 4.07               | 5.04              | 9.11           |
|                        | 62       | 1.33             | -9.35                     | 2.96            | 10.01            | 0.70               | 4.95              | 5.65           | -9.02                     | 2.96            | 10.00            | 4.07               | 5.27              | 9.34           |
|                        | 64       | 1.33             | -9.45                     | 2.96            | 10.01            | 0.70               | 4.85              | 5.55           | -8.87                     | 2.96            | 10.00            | 4.07               | 5.42              | 9.49           |
| 5530                   | 61       | 1.33             | -6.62                     | 2.98            | 10.01            | 0.70               | 7.70              | 8.40           | -6.51                     | 2.98            | 10.01            | 4.07               | 7.81              | 11.88          |
|                        | 62       | 1.33             | -6.57                     | 2.98            | 10.01            | 0.70               | 7.75              | 8.45           | -6.23                     | 2.98            | 10.01            | 4.07               | 8.09              | 12.16          |
|                        | 64       | 1.33             | -6.84                     | 2.98            | 10.01            | 0.70               | 7.48              | 8.18           | -6.45                     | 2.98            | 10.01            | 4.07               | 7.87              | 11.94          |
| 5775                   | 61       | 1.33             | -7.94                     | 3.00            | 10.01            | 0.70               | 6.40              | 7.10           | -7.74                     | 3.00            | 10.02            | 4.07               | 6.61              | 10.68          |
|                        | 62       | 1.33             | -7.83                     | 3.00            | 10.01            | 0.70               | 6.51              | 7.21           | -7.68                     | 3.00            | 10.02            | 4.07               | 6.67              | 10.74          |
|                        | 64       | 1.33             | -7.99                     | 3.00            | 10.01            | 0.70               | 6.35              | 7.05           | -7.68                     | 3.00            | 10.02            | 4.07               | 6.67              | 10.74          |

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor  
e.i.r.p. Result = Conducted Power Result + Antenna Gain

#### 15.407 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

For all test frequencies, B was applied the minimum value (24.644 MHz) as conservative limit.

#### RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

e.i.r.p. Limit (5150-5250MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250-5350MHz, 5470-5600MHz, 5650-5725MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (19.245 MHz) as conservative limit.

## Maximum Conducted Output Power

Test place Shonan EMC Lab. No.1 Measurement Room  
Date November 8, 2023 February 5, 2024  
Temperature / Humidity 24 deg. C / 40 % RH 23 deg. C / 32 % RH  
Engineer Kazuya Noda Kazuya Noda  
Mode Tx, Ant 0 + Ant 2

### 11ax-80 (OFDMA) (SDM) 484-tone

| Tested Frequency [MHz] | RU Index | Conducted power |       |              |              |                  |        |               |        | e.i.r.p. |       |              |              |                  |        |               |        |
|------------------------|----------|-----------------|-------|--------------|--------------|------------------|--------|---------------|--------|----------|-------|--------------|--------------|------------------|--------|---------------|--------|
|                        |          | 0               | Ant 2 | Sum          | Result       | FCC 15.407 Limit | Margin | RSS-247 Limit | Margin | 0        | Ant 2 | Sum          | Result       | FCC 15.407 Limit | Margin | RSS-247 Limit | Margin |
|                        |          | [mW]            | [mW]  | [mW]         | [dBm]        | [dBm]            | [dB]   | [dBm]         | [dB]   | [mW]     | [mW]  | [mW]         | [dBm]        | [dBm]            | [dB]   | [dBm]         | [dB]   |
| 5210                   | 65       | 5.72            | 5.94  | <b>11.66</b> | <b>10.67</b> | 23.97            | 13.30  | -             | -      | 6.72     | 15.17 | <b>21.89</b> | <b>13.40</b> | 29.97            | 16.57  | 23.01         | 9.61   |
|                        | 66       | 5.72            | 5.82  | 11.54        | 10.62        | 23.97            | 13.35  | -             | -      | 6.72     | 14.86 | 21.58        | 13.34        | 29.97            | 16.63  | 23.01         | 9.67   |
| 5290                   | 65       | 5.92            | 6.47  | 12.39        | 10.93        | 23.97            | 13.04  | 23.97         | 13.04  | 6.95     | 16.52 | 23.48        | 13.71        | 29.97            | 16.26  | 30.00         | 16.29  |
|                        | 66       | 5.99            | 6.90  | <b>12.89</b> | <b>11.10</b> | 23.97            | 12.87  | 23.97         | 12.87  | 7.03     | 17.62 | <b>24.66</b> | <b>13.92</b> | 29.97            | 16.05  | 30.00         | 16.08  |
| 5530                   | 65       | 5.86            | 6.35  | 12.22        | 10.87        | 23.97            | 13.10  | 23.97         | 13.10  | 6.89     | 16.22 | 23.11        | 13.64        | 29.97            | 16.33  | 30.00         | 16.36  |
|                        | 66       | 5.74            | 6.55  | <b>12.29</b> | <b>10.90</b> | 23.97            | 13.07  | 23.97         | 13.07  | 6.75     | 16.72 | <b>23.46</b> | <b>13.70</b> | 29.97            | 16.27  | 30.00         | 16.30  |
| 5775                   | 65       | 4.41            | 4.67  | <b>9.07</b>  | <b>9.58</b>  | 30.00            | 20.42  | 30.00         | 20.42  | 5.18     | 11.92 | <b>17.09</b> | <b>12.33</b> | 36.00            | 23.67  | 36.00         | 23.67  |
|                        | 66       | 4.27            | 4.65  | 8.91         | 9.50         | 30.00            | 20.50  | 30.00         | 20.50  | 5.01     | 11.86 | 16.87        | 12.27        | 36.00            | 23.73  | 36.00         | 23.73  |

| Tested Frequency [MHz] | RU Index | Duty Factor [dB] | Ant 0                     |                 |                  |                    |                          |                | Ant 2                     |                 |                  |                    |                          |                |
|------------------------|----------|------------------|---------------------------|-----------------|------------------|--------------------|--------------------------|----------------|---------------------------|-----------------|------------------|--------------------|--------------------------|----------------|
|                        |          |                  | Power Meter Reading [dBm] | Cable Loss [dB] | Atten. Loss [dB] | Antenna Gain [dBi] | Result Cond. Power [dBm] | e.i.r.p. [dBm] | Power Meter Reading [dBm] | Cable Loss [dB] | Atten. Loss [dB] | Antenna Gain [dBi] | Result Cond. Power [dBm] | e.i.r.p. [dBm] |
| 5210                   | 65       | 1.50             | -6.89                     | 2.95            | 10.01            | 0.70               | 7.57                     | 8.27           | -6.71                     | 2.95            | 10.00            | 4.07               | 7.74                     | 11.81          |
|                        | 66       | 1.50             | -6.89                     | 2.95            | 10.01            | 0.70               | 7.57                     | 8.27           | -6.80                     | 2.95            | 10.00            | 4.07               | 7.65                     | 11.72          |
| 5290                   | 65       | 1.50             | -6.75                     | 2.96            | 10.01            | 0.70               | 7.72                     | 8.42           | -6.35                     | 2.96            | 10.00            | 4.07               | 8.11                     | 12.18          |
|                        | 66       | 1.50             | -6.70                     | 2.96            | 10.01            | 0.70               | 7.77                     | 8.47           | -6.07                     | 2.96            | 10.00            | 4.07               | 8.39                     | 12.46          |
| 5530                   | 65       | 1.50             | -6.81                     | 2.98            | 10.01            | 0.70               | 7.68                     | 8.38           | -6.46                     | 2.98            | 10.01            | 4.07               | 8.03                     | 12.10          |
|                        | 66       | 1.50             | -6.90                     | 2.98            | 10.01            | 0.70               | 7.59                     | 8.29           | -6.33                     | 2.98            | 10.01            | 4.07               | 8.16                     | 12.23          |
| 5775                   | 65       | 1.50             | -8.07                     | 3.00            | 10.01            | 0.70               | 6.44                     | 7.14           | -7.83                     | 3.00            | 10.02            | 4.07               | 6.69                     | 10.76          |
|                        | 66       | 1.50             | -8.21                     | 3.00            | 10.01            | 0.70               | 6.30                     | 7.00           | -7.85                     | 3.00            | 10.02            | 4.07               | 6.67                     | 10.74          |

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor

e.i.r.p. Result = Conducted Power Result + Antenna Gain

15.407 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

For all test frequencies, B was applied the minimum value (79.867 MHz) as conservative limit.

RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

e.i.r.p. Limit (5150-5250MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250-5350MHz, 5470-5600MHz, 5650-5725MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (67.784 MHz) as conservative limit.

## Maximum Conducted Output Power

Test place Shonan EMC Lab. No.1 Measurement Room  
Date November 8, 2023 February 5, 2024  
Temperature / Humidity 24 deg. C / 40 % RH 23 deg. C / 32 % RH  
Engineer Kazuya Noda Kazuya Noda  
Mode Tx, Ant 0 + Ant 2

11ax-80 (OFDMA) (SDM) 996-tone

| Tested Frequency [MHz] | RU Index | Conducted power |       |       |        |                  |        |               |        | e.i.r.p. |       |       |        |                  |        |               |        |
|------------------------|----------|-----------------|-------|-------|--------|------------------|--------|---------------|--------|----------|-------|-------|--------|------------------|--------|---------------|--------|
|                        |          | 0               | Ant 2 | Sum   | Result | FCC 15.407 Limit | Margin | RSS-247 Limit | Margin | 0        | Ant 2 | Sum   | Result | FCC 15.407 Limit | Margin | RSS-247 Limit | Margin |
|                        |          | [mW]            | [mW]  | [mW]  | [dBm]  | [dBm]            | [dB]   | [dBm]         | [dB]   | [mW]     | [mW]  | [mW]  | [dBm]  | [dBm]            | [dB]   | [dBm]         | [dB]   |
| 5210                   | 67       | 5.61            | 5.84  | 11.45 | 10.59  | 23.97            | 13.38  | -             | -      | 6.59     | 14.90 | 21.49 | 13.32  | 29.97            | 16.65  | 23.01         | 9.69   |
| 5290                   | 67       | 5.85            | 6.46  | 12.31 | 10.90  | 23.97            | 13.07  | 23.97         | 13.07  | 6.88     | 16.48 | 23.36 | 13.69  | 29.97            | 16.28  | 30.00         | 16.31  |
| 5530                   | 67       | 5.68            | 6.33  | 12.00 | 10.79  | 23.97            | 13.18  | 23.97         | 13.18  | 6.67     | 16.15 | 22.82 | 13.58  | 29.97            | 16.39  | 30.00         | 16.42  |
| 5775                   | 67       | 4.37            | 4.59  | 8.96  | 9.52   | 30.00            | 20.48  | 30.00         | 20.48  | 5.13     | 11.72 | 16.85 | 12.27  | 36.00            | 23.73  | 36.00         | 23.73  |

| Tested Frequency [MHz] | RU Index | Duty Factor [dB] | Ant 0                     |                 |                  |                    |                   |                |       | Ant 2                     |                 |                  |                    |                   |                |  |
|------------------------|----------|------------------|---------------------------|-----------------|------------------|--------------------|-------------------|----------------|-------|---------------------------|-----------------|------------------|--------------------|-------------------|----------------|--|
|                        |          |                  | Power Meter Reading [dBm] | Cable Loss [dB] | Atten. Loss [dB] | Antenna Gain [dBi] | Cond. Power [dBm] | e.i.r.p. [dBm] |       | Power Meter Reading [dBm] | Cable Loss [dB] | Atten. Loss [dB] | Antenna Gain [dBi] | Cond. Power [dBm] | e.i.r.p. [dBm] |  |
| 5210                   | 67       | 1.58             | -7.05                     | 2.95            | 10.01            | 0.70               | 7.49              | 8.19           | -6.87 | 2.95                      | 10.00           | 4.07             | 7.66               | 11.73             |                |  |
| 5290                   | 67       | 1.58             | -6.88                     | 2.96            | 10.01            | 0.70               | 7.67              | 8.37           | -6.44 | 2.96                      | 10.00           | 4.07             | 8.10               | 12.17             |                |  |
| 5530                   | 67       | 1.58             | -7.03                     | 2.98            | 10.01            | 0.70               | 7.54              | 8.24           | -6.56 | 2.98                      | 10.01           | 4.07             | 8.01               | 12.08             |                |  |
| 5775                   | 67       | 1.58             | -8.19                     | 3.00            | 10.01            | 0.70               | 6.40              | 7.10           | -7.98 | 3.00                      | 10.02           | 4.07             | 6.62               | 10.69             |                |  |

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor

e.i.r.p. Result = Conducted Power Result + Antenna Gain

15.407 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

For all test frequencies, B was applied the minimum value (80.372 MHz) as conservative limit.

RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

e.i.r.p. Limit (5150-5250MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250-5350MHz, 5470-5600MHz, 5650-5725MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (77.424 MHz) as conservative limit.

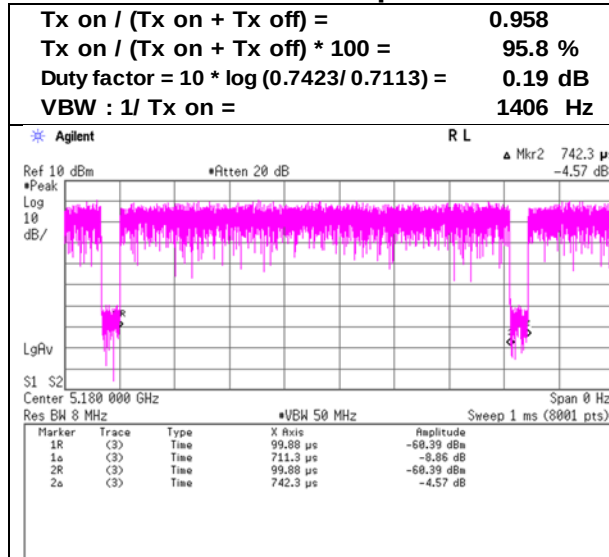
## Burst rate confirmation

Test place  
Date  
Temperature / Humidity  
Engineer  
Mode

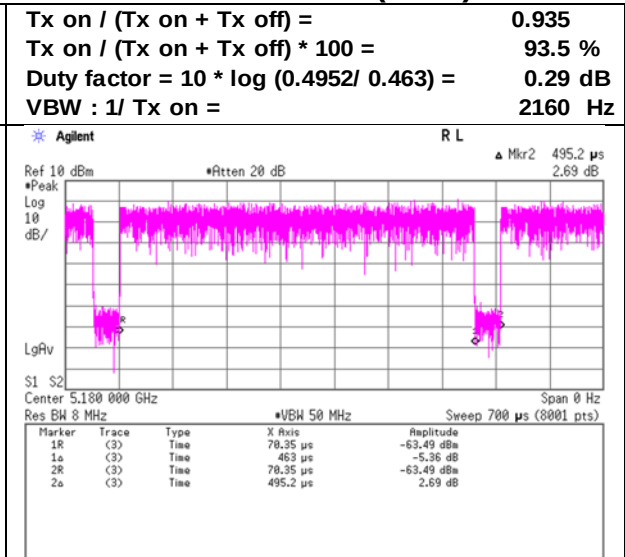
Shonan EMC Lab. No.1 Measurement Room  
September 29, 2023  
24 deg. C / 46 % RH  
Kazuya Noda  
Tx

October 27, 2023  
25 deg. C / 33 % RH  
Kazuya Noda

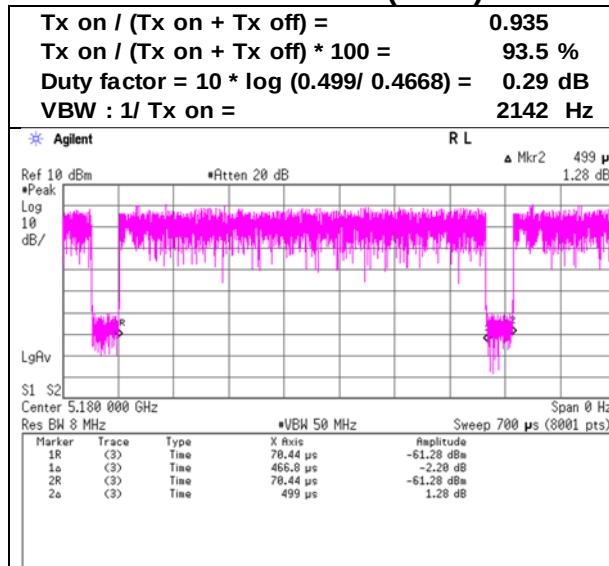
### 11a 12 Mbps



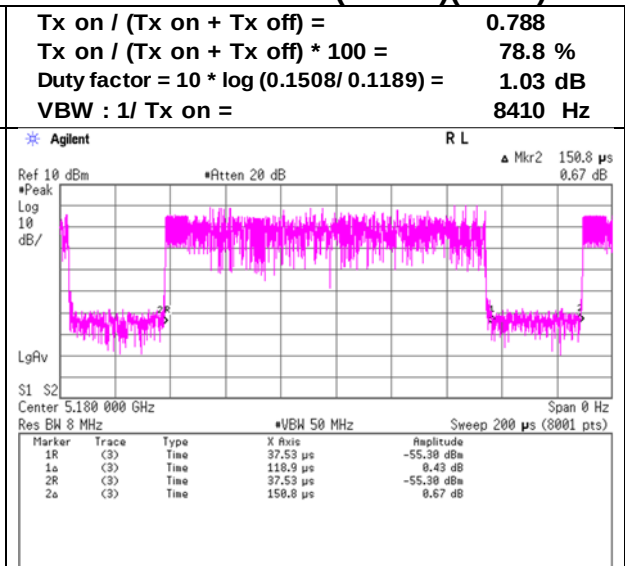
### 11n-20 MCS 2 (SISO)



### 11ac-20 MCS 2 (SISO)



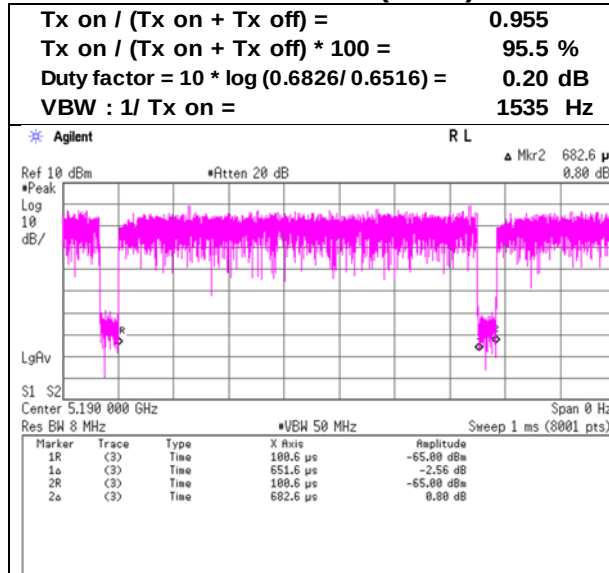
### 11ax-20 MCS 11 (OFDM)(SISO)



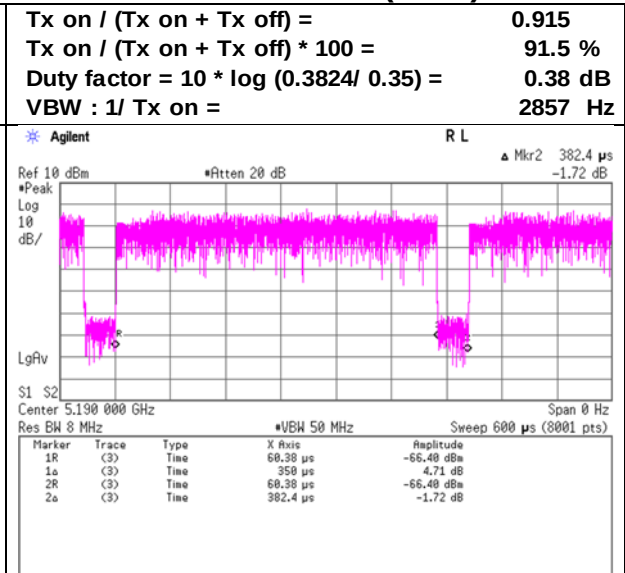
## Burst rate confirmation

|                        |                                              |
|------------------------|----------------------------------------------|
| Test place             | Shonan EMC Lab. No.1 Measurement Room        |
| Date                   | September 29, 2023      October 31, 2023     |
| Temperature / Humidity | 24 deg. C / 46 % RH      25 deg. C / 33 % RH |
| Engineer               | Kazuya Noda      Kazuya Noda                 |
| Mode                   | Tx                                           |

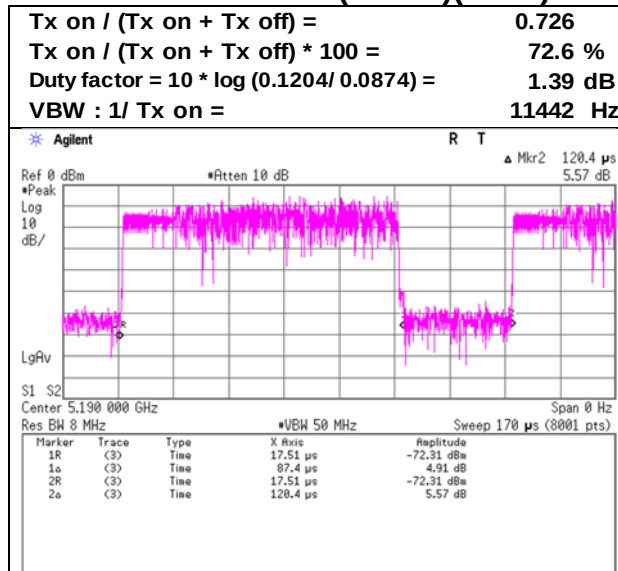
### 11n-40 MCS 0 (SISO)



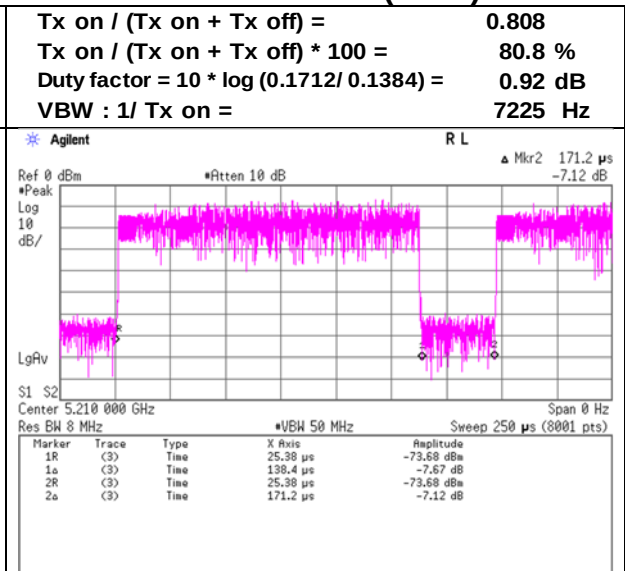
### 11ac-40 MCS 1 (SISO)



### 11ax-40 MCS 11 (OFDM)(SISO)



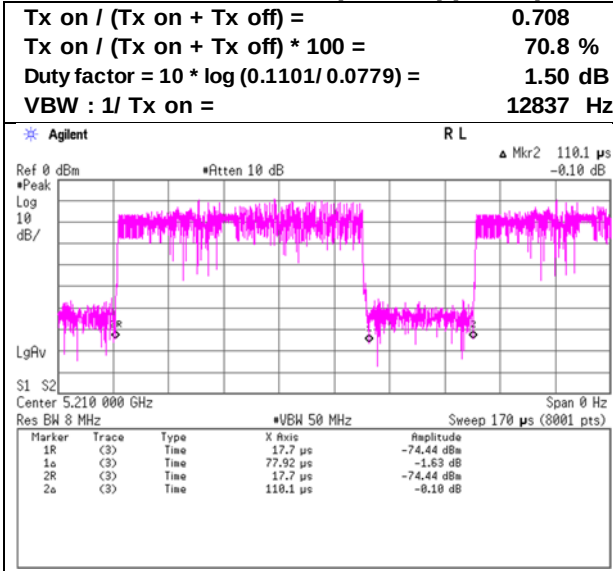
### 11ac-80 MCS 2 (SISO)



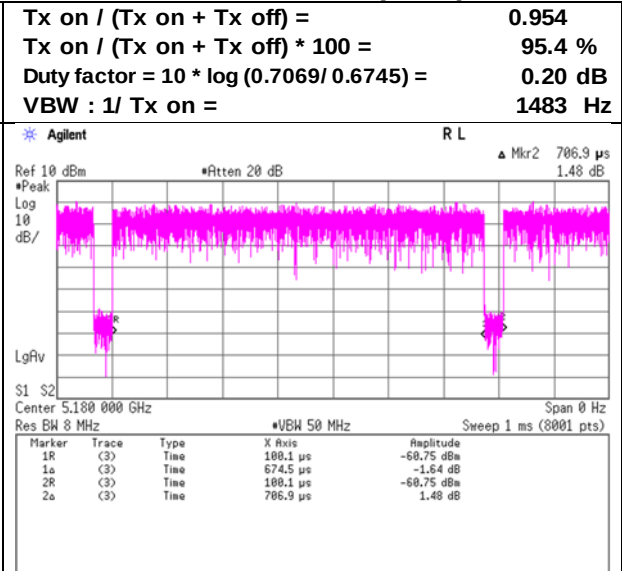
## Burst rate confirmation

|                        |                                       |                     |                     |
|------------------------|---------------------------------------|---------------------|---------------------|
| Test place             | Shonan EMC Lab. No.1 Measurement Room |                     |                     |
| Date                   | September 29, 2023                    | October 27, 2023    | October 31, 2023    |
| Temperature / Humidity | 24 deg. C / 46 % RH                   | 25 deg. C / 33 % RH | 25 deg. C / 33 % RH |
| Engineer               | Kazuya Noda                           | Kazuya Noda         | Kazuya Noda         |
| Mode                   | Tx                                    |                     |                     |

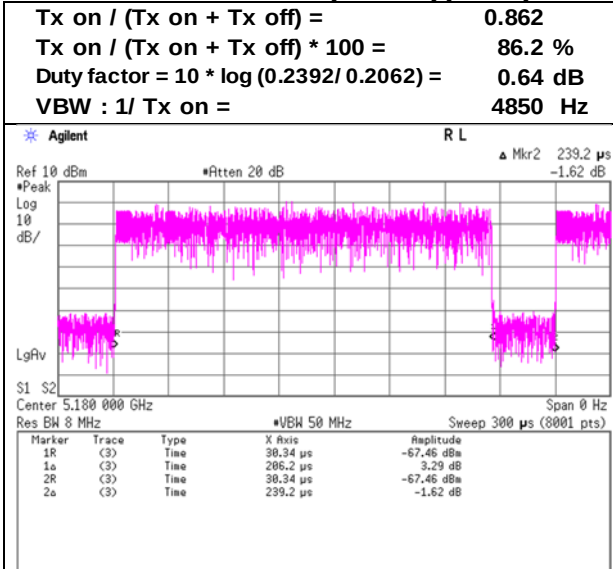
### 11ax-80 MCS 10 (OFDM)(SISO)



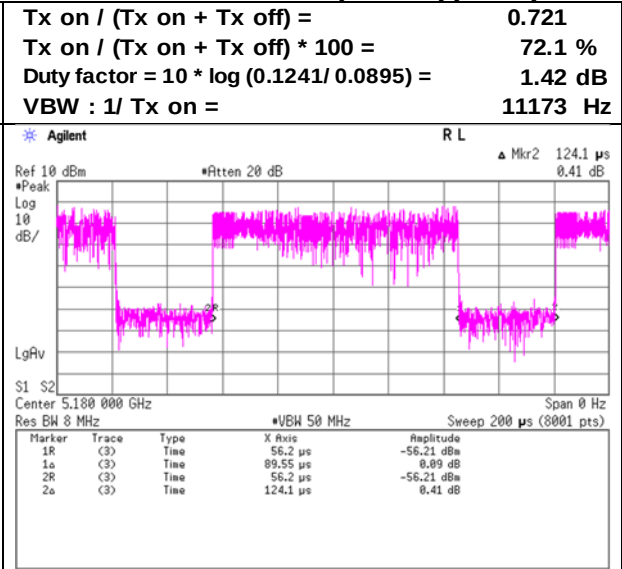
### 11n-20 MCS 8 (SDM)



### 11ac-20 MCS 3 (OFDM)(SDM)



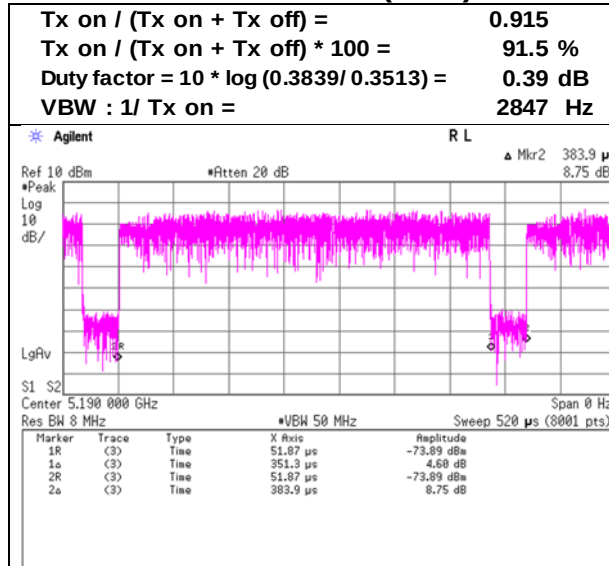
### 11ax-20 MCS 11 (OFDM)(SDM)



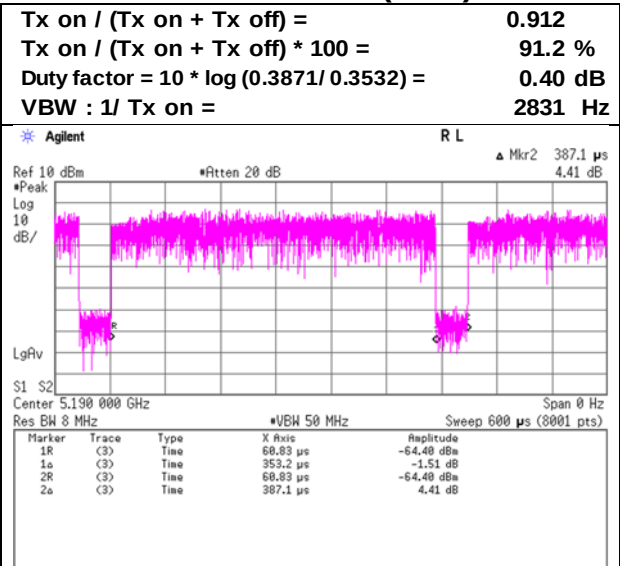
## Burst rate confirmation

|                        |                                       |                                              |
|------------------------|---------------------------------------|----------------------------------------------|
| Test place             | Shonan EMC Lab. No.1 Measurement Room |                                              |
| Date                   | September 29, 2023                    | September 29, 2023      October 31, 2023     |
| Temperature / Humidity | 24 deg. C / 46 % RH                   | 24 deg. C / 48 % RH      25 deg. C / 33 % RH |
| Engineer               | Kazuya Noda                           | Yusuke Tanikawara      Kazuya Noda           |
| Mode                   | Tx                                    |                                              |

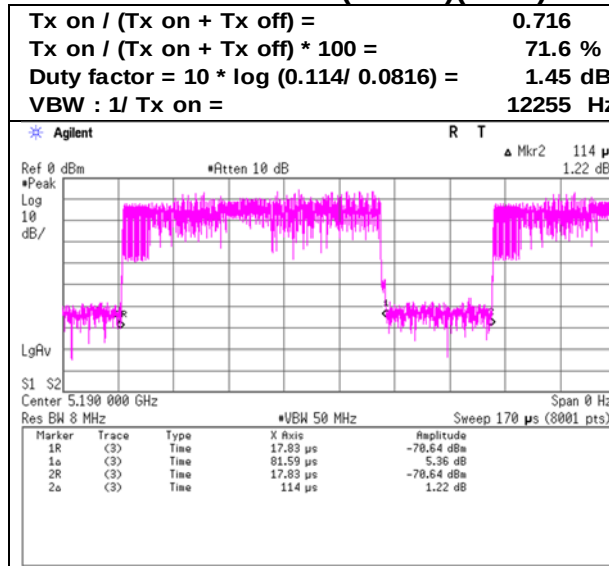
### 11n-40 MCS 8 (SDM)



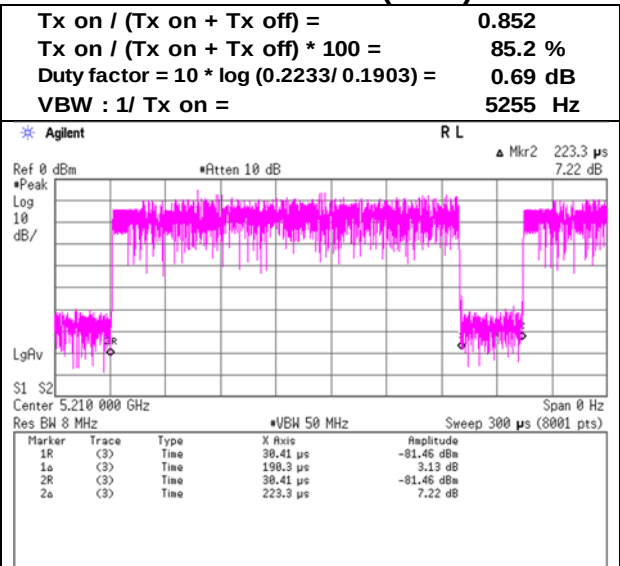
### 11ac-40 MCS 0 (SDM)



### 11ax-40 MCS 10 (OFDM)(SDM)



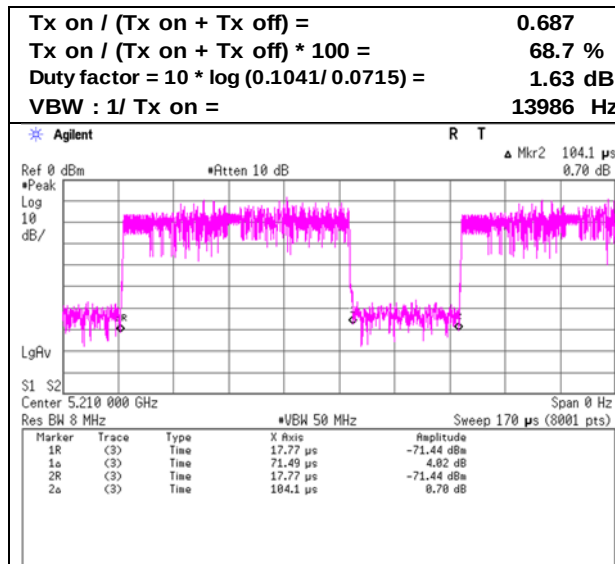
### 11ac-80 MCS 0 (SDM)



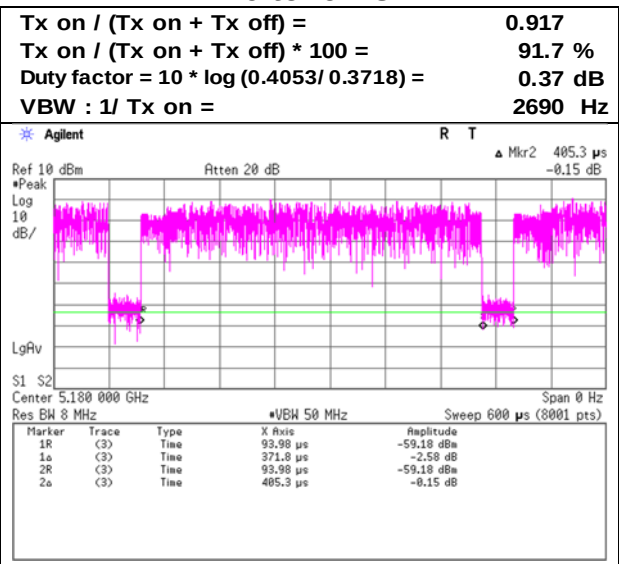
## Burst rate confirmation

|                        |                                              |
|------------------------|----------------------------------------------|
| Test place             | Shonan EMC Lab. No.1 Measurement Room        |
| Date                   | October 31, 2023      November 1, 2023       |
| Temperature / Humidity | 25 deg. C / 33 % RH      25 deg. C / 39 % RH |
| Engineer               | Kazuya Noda      Kazuya Noda                 |
| Mode                   | Tx                                           |

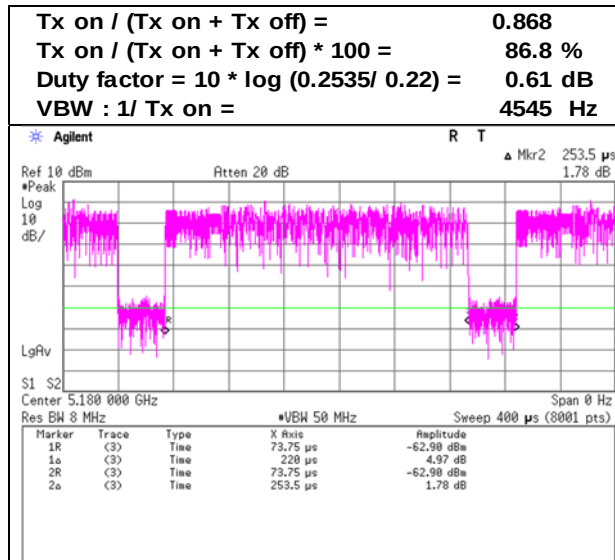
### 11ax-80 MCS 10 (OFDM)(SDM)



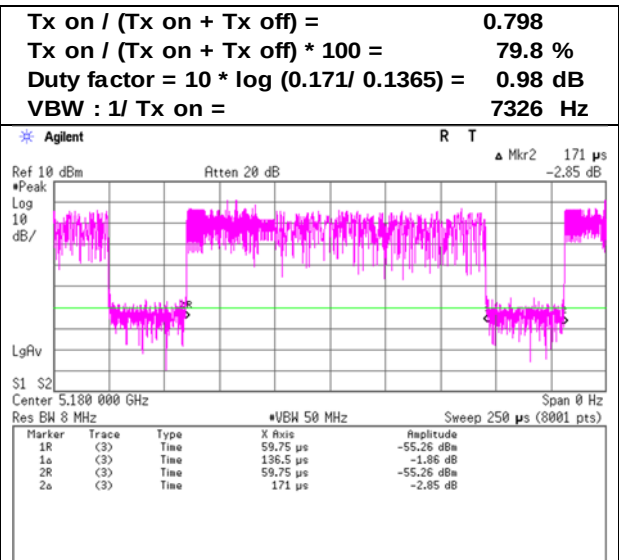
### 11ax-20 MCS 11 (OFDMA)(SISO) 26-tone RU



### 11ax-20 MCS 11 (OFDMA)(SISO) 52-tone RU



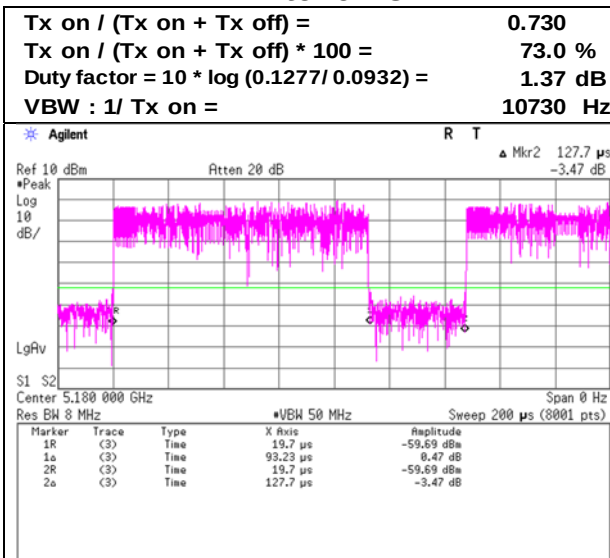
### 11ax-20 MCS 11 (OFDMA)(SISO) 106-tone RU



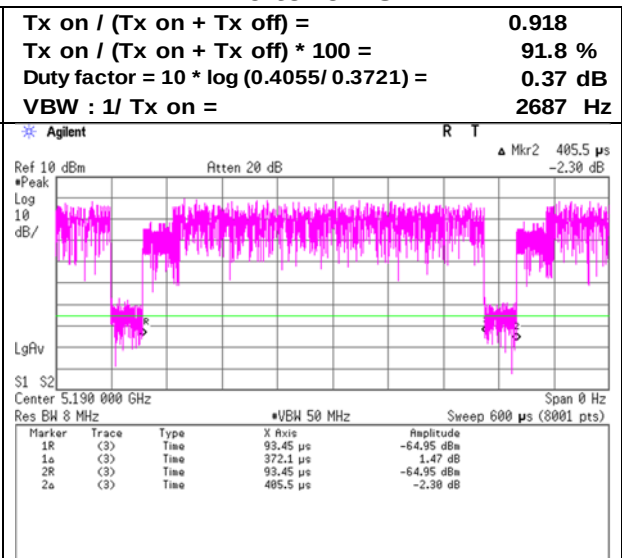
## Burst rate confirmation

Test place Shonan EMC Lab. No.1 Measurement Room  
Date November 1, 2023  
Temperature / Humidity 25 deg. C / 39 % RH  
Engineer Kazuya Noda  
Mode Tx

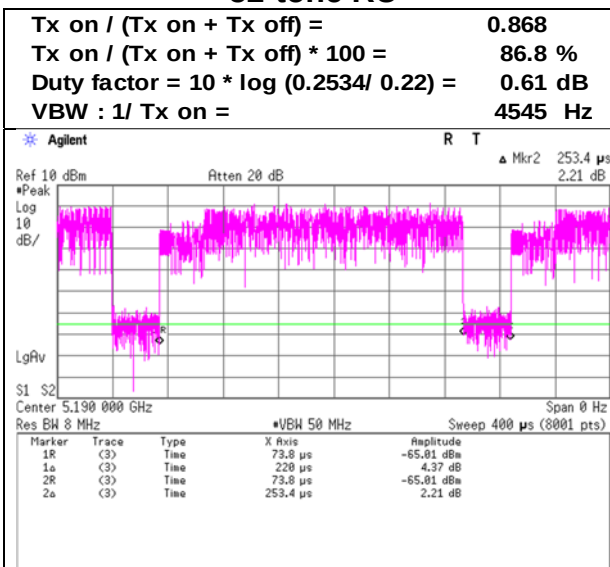
### 11ax-20 MCS 11 (OFDMA)(SISO) 242-tone RU



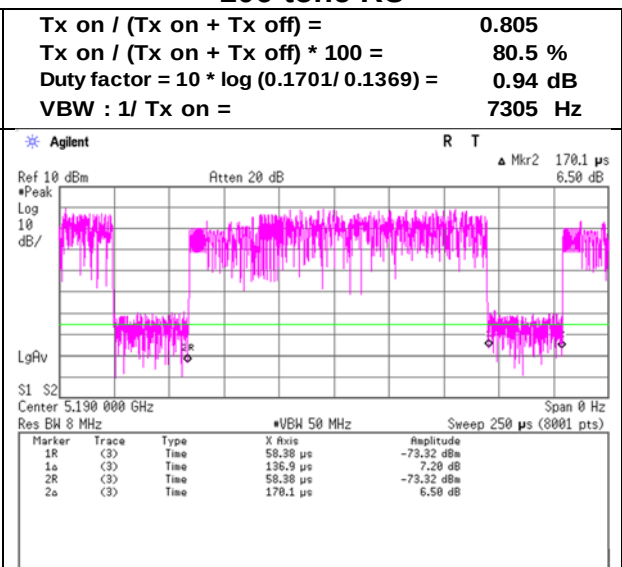
### 11ax-40 MCS 11 (OFDMA)(SISO) 26-tone RU



### 11ax-40 MCS 11 (OFDMA)(SISO) 52-tone RU



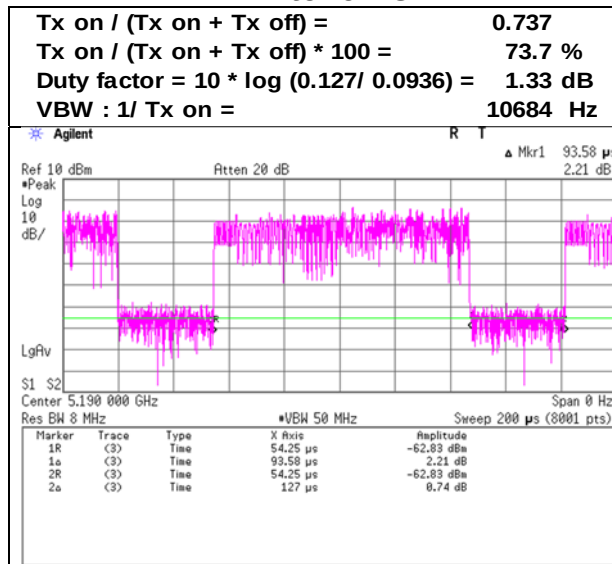
### 11ax-40 MCS 11 (OFDMA)(SISO) 106-tone RU



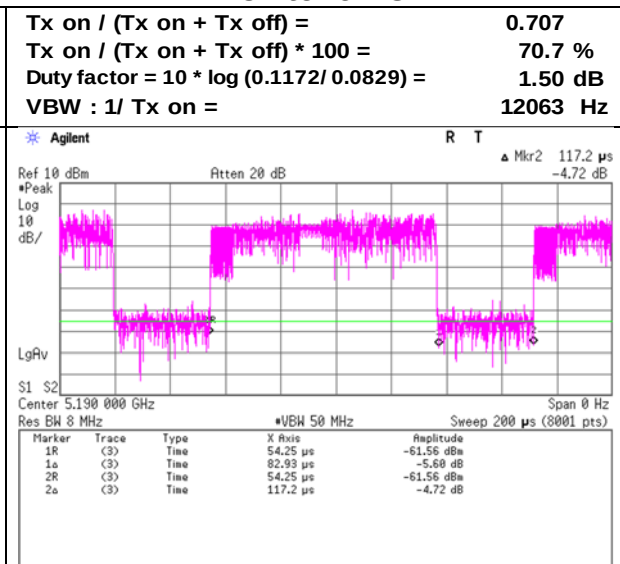
## Burst rate confirmation

|                        |                                              |
|------------------------|----------------------------------------------|
| Test place             | Shonan EMC Lab. No.1 Measurement Room        |
| Date                   | November 1, 2023      November 7, 2023       |
| Temperature / Humidity | 25 deg. C / 39 % RH      25 deg. C / 55 % RH |
| Engineer               | Kazuya Noda      Kazuya Noda                 |
| Mode                   | Tx                                           |

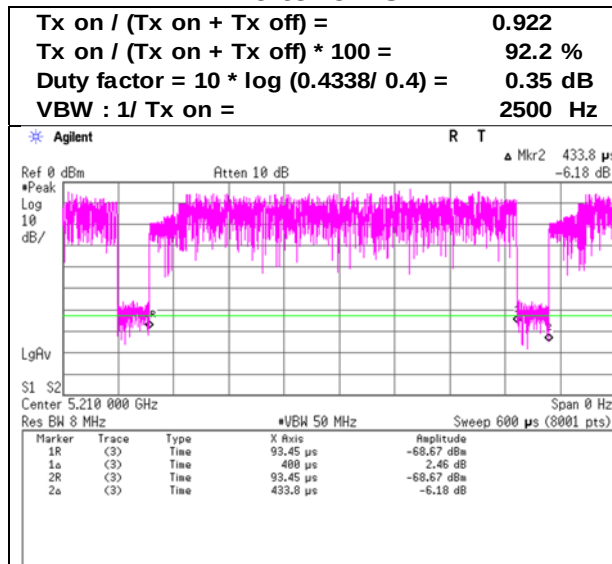
### 11ax-40 MCS 11 (OFDMA)(SISO) 242-tone RU



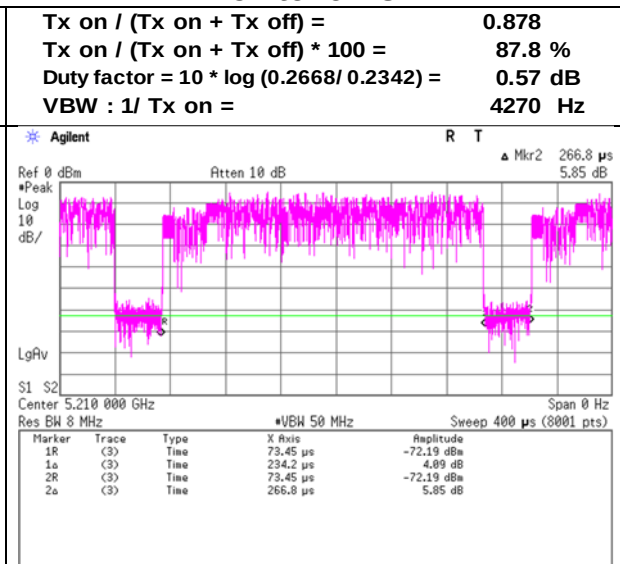
### 11ax-40 MCS 11 (OFDMA)(SISO) 484-tone RU



### 11ax-80 MCS 10 (OFDMA)(SISO) 26-tone RU



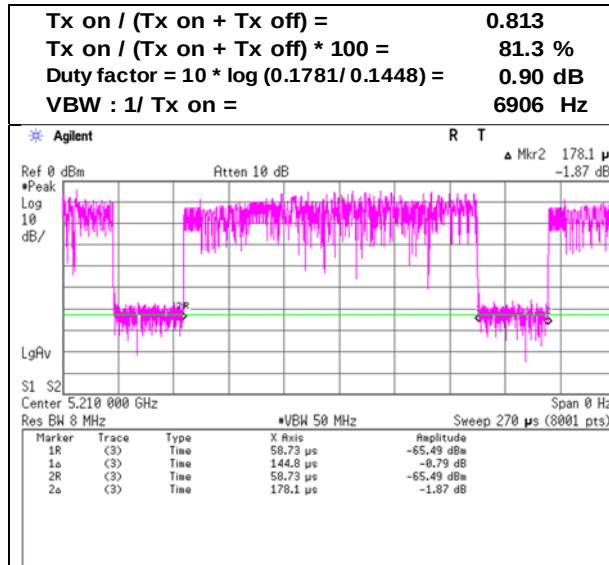
### 11ax-80 MCS 10 (OFDMA)(SISO) 52-tone RU



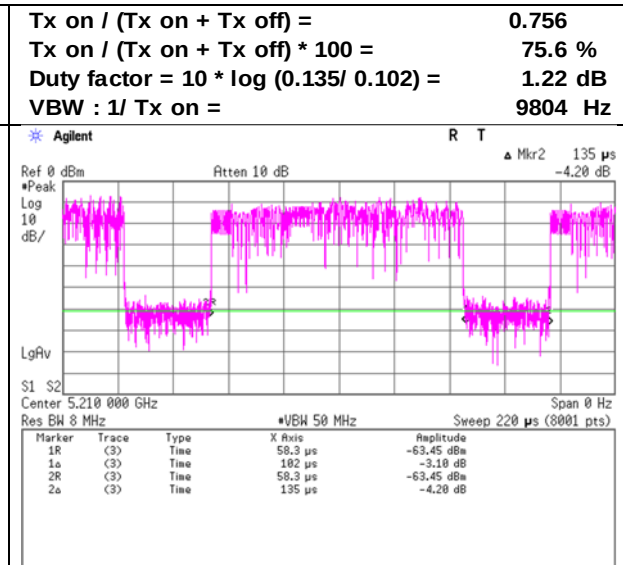
## Burst rate confirmation

Test place Shonan EMC Lab. No.1 Measurement Room  
Date November 7, 2023  
Temperature / Humidity 25 deg. C / 55 % RH  
Engineer Kazuya Noda  
Mode Tx

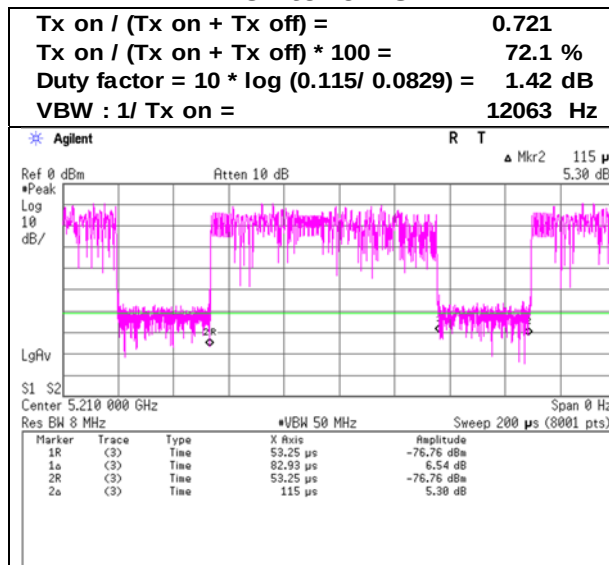
### 11ax-80 MCS 10 (OFDMA)(SISO) 106-tone RU



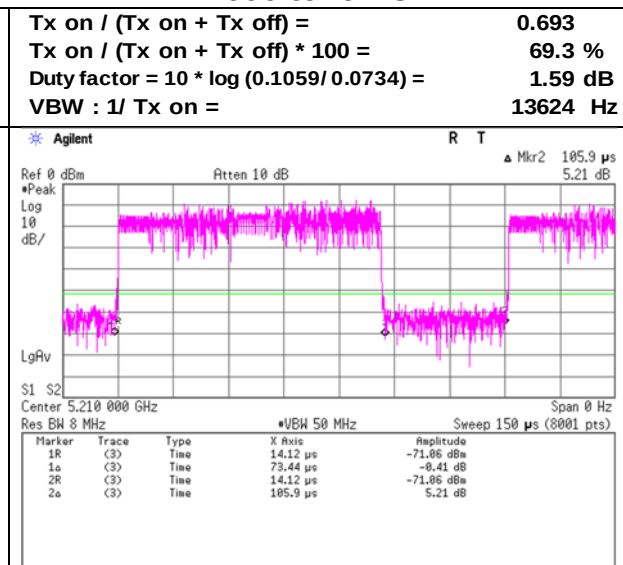
### 11ax-80 MCS 10 (OFDMA)(SISO) 242-tone RU



### 11ax-80 MCS 10 (OFDMA)(SISO) 484-tone RU



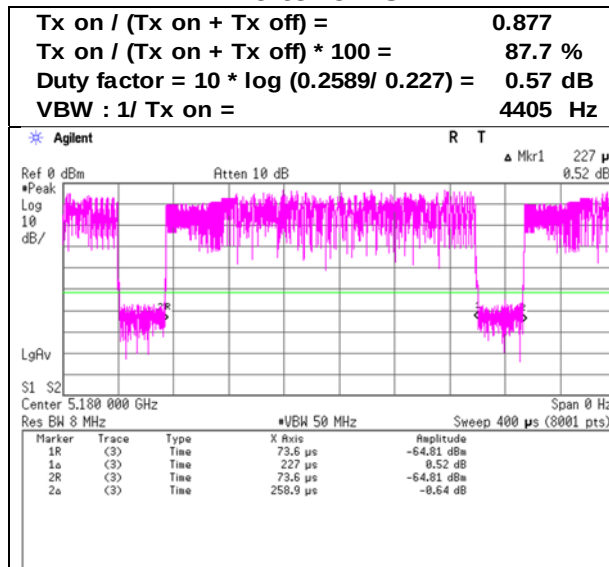
### 11ax-80 MCS 10 (OFDMA)(SISO) 996-tone RU



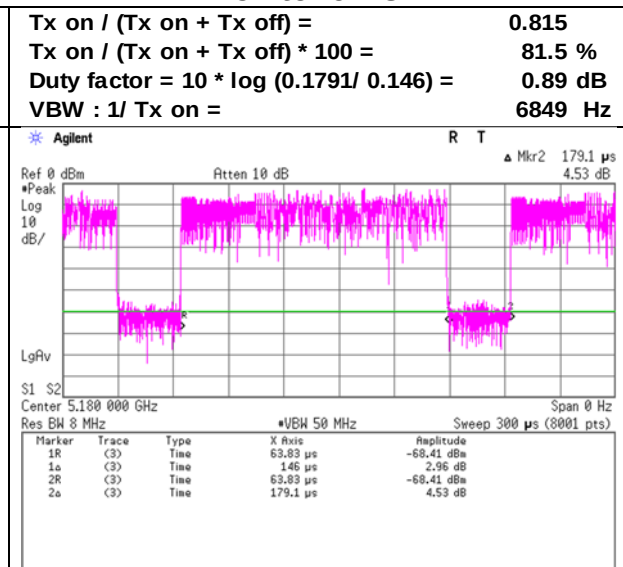
## Burst rate confirmation

|                        |                                              |
|------------------------|----------------------------------------------|
| Test place             | Shonan EMC Lab. No.1 Measurement Room        |
| Date                   | November 7, 2023      November 8, 2023       |
| Temperature / Humidity | 25 deg. C / 55 % RH      24 deg. C / 40 % RH |
| Engineer               | Kazuya Noda      Kazuya Noda                 |
| Mode                   | Tx                                           |

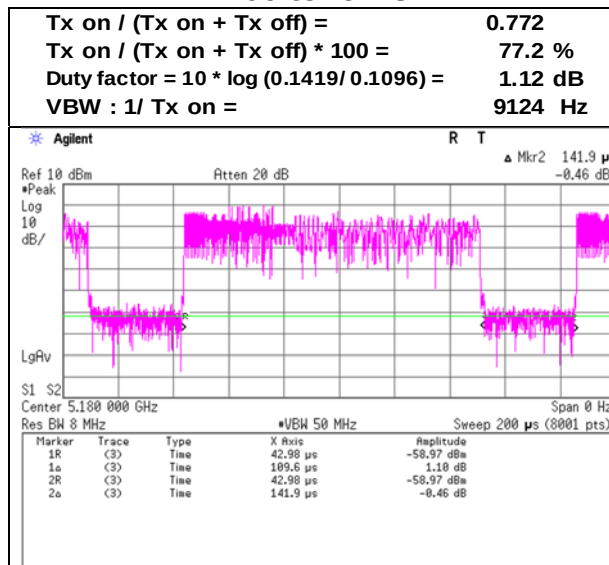
### 11ax-20 MCS 11 (OFDMA)(SDM) 26-tone RU



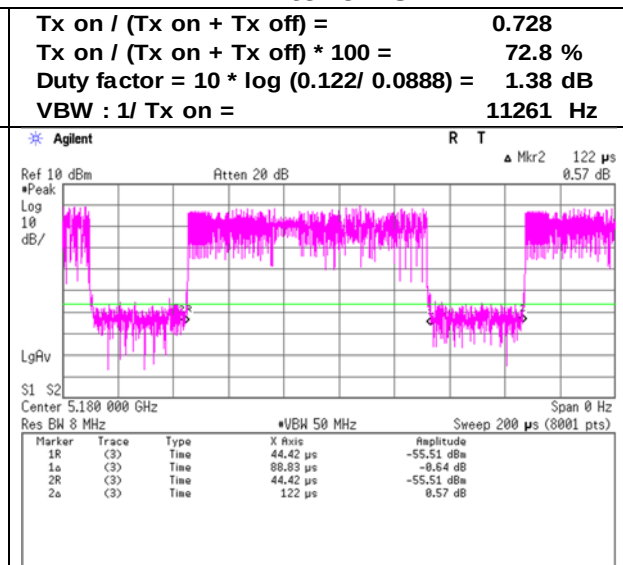
### 11ax-20 MCS 11 (OFDMA)(SDM) 52-tone RU



### 11ax-20 MCS 11 (OFDMA)(SDM) 106-tone RU



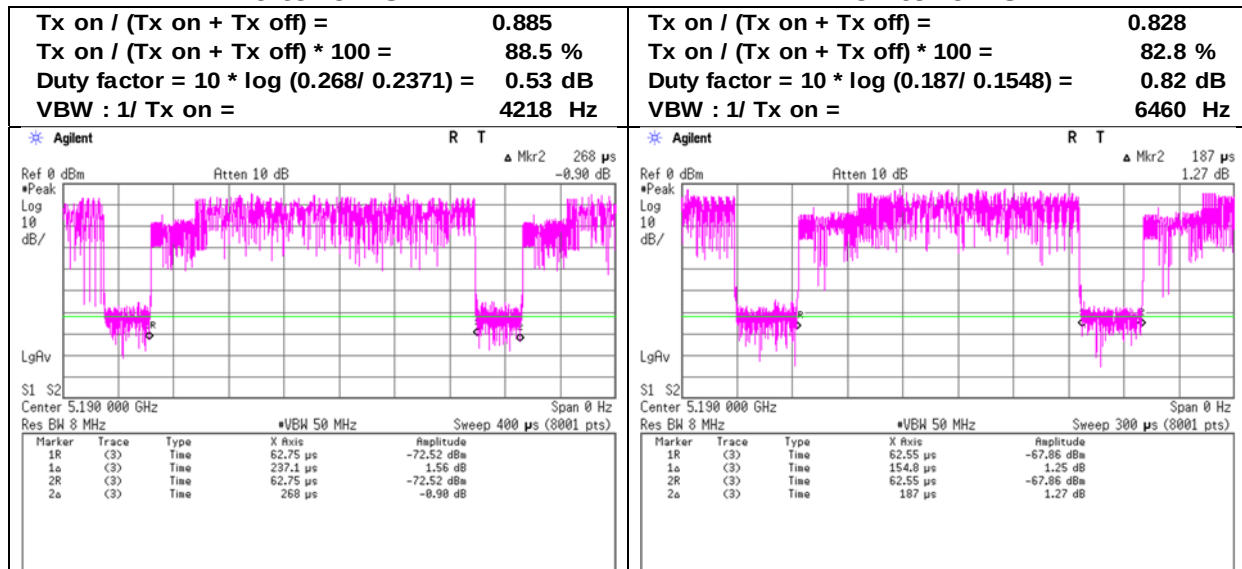
### 11ax-20 MCS 11 (OFDMA)(SDM) 242-tone RU



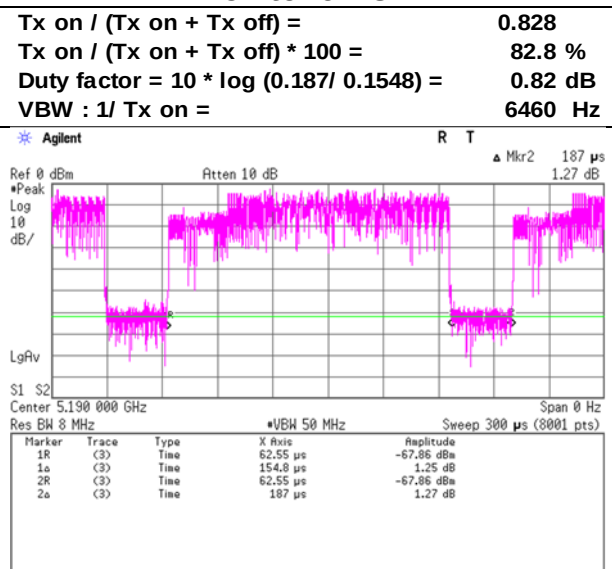
### Burst rate confirmation

Test place Shonan EMC Lab. No.1 Measurement Room  
Date November 8, 2023  
Temperature / Humidity 24 deg. C / 40 % RH  
Engineer Kazuya Noda  
Mode Tx

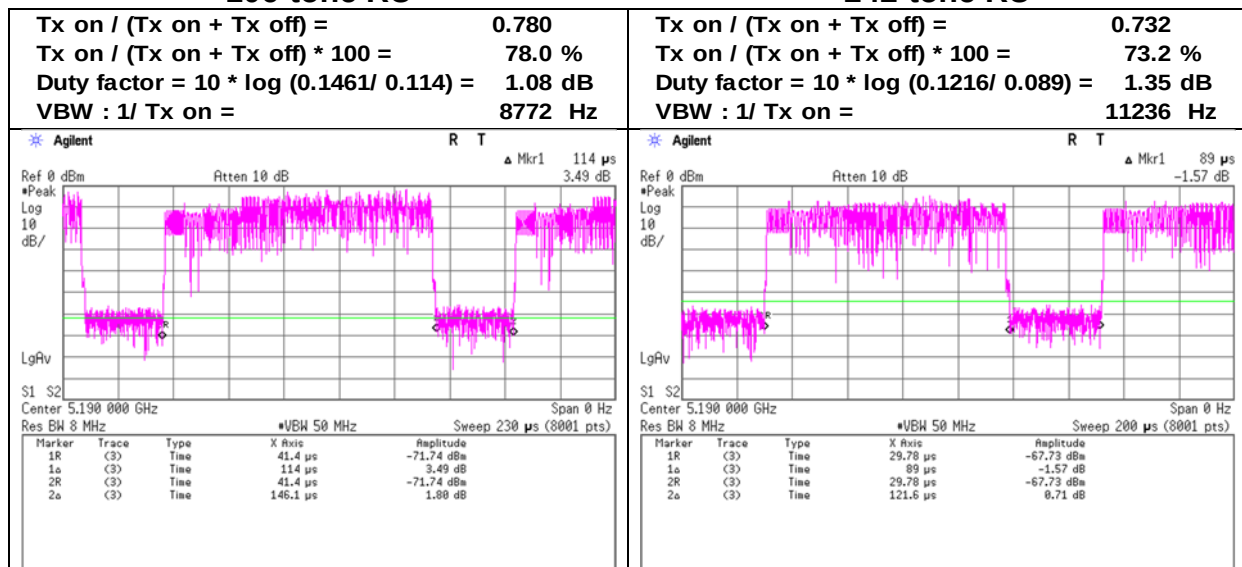
#### 11ax-40 MCS 10 (OFDMA)(SDM) 26-tone RU



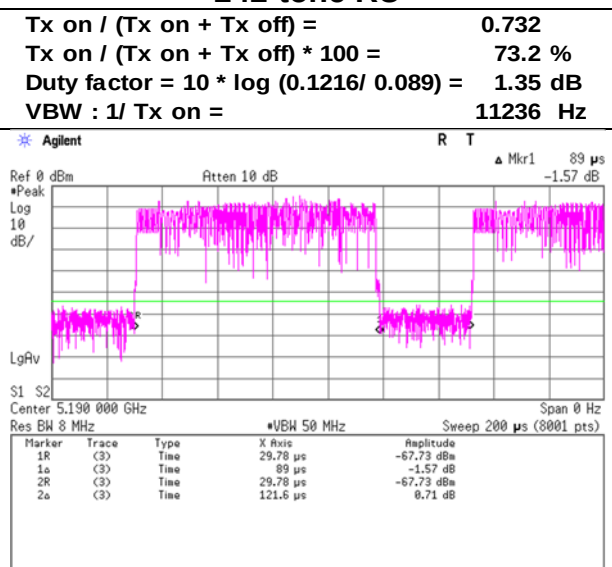
#### 11ax-40 MCS 10 (OFDMA)(SDM) 52-tone RU



#### 11ax-40 MCS 10 (OFDMA)(SDM) 106-tone RU



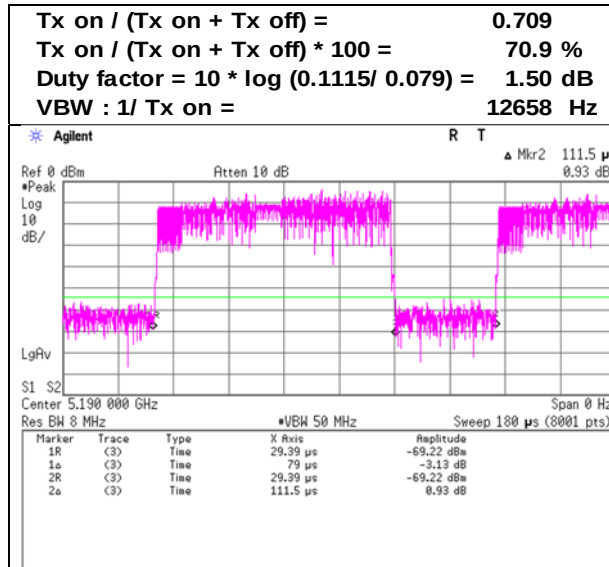
#### 11ax-40 MCS 10 (OFDMA)(SDM) 242-tone RU



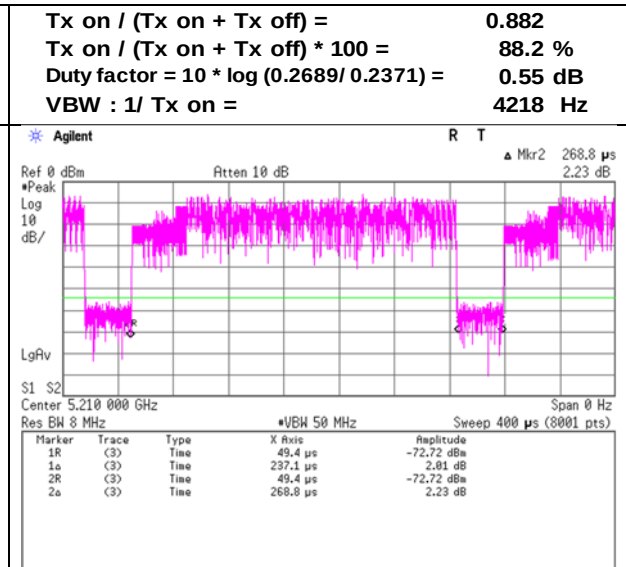
## Burst rate confirmation

Test place Shonan EMC Lab. No.1 Measurement Room  
Date November 8, 2023  
Temperature / Humidity 24 deg. C / 40 % RH  
Engineer Kazuya Noda  
Mode Tx

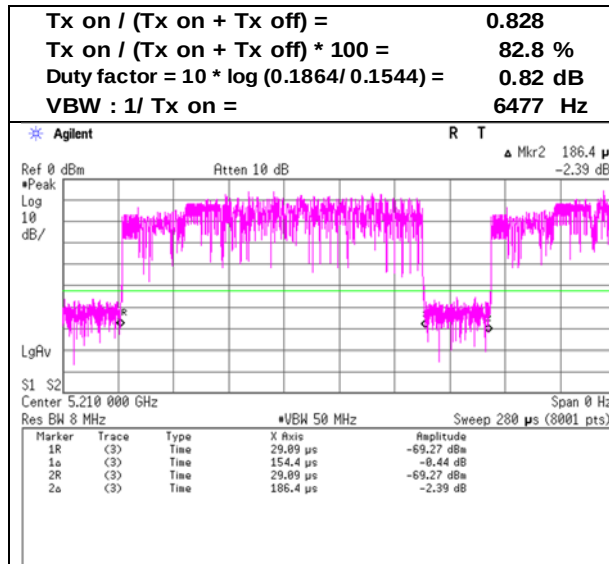
### 11ax-40 MCS 10 (OFDMA)(SDM) 484-tone RU



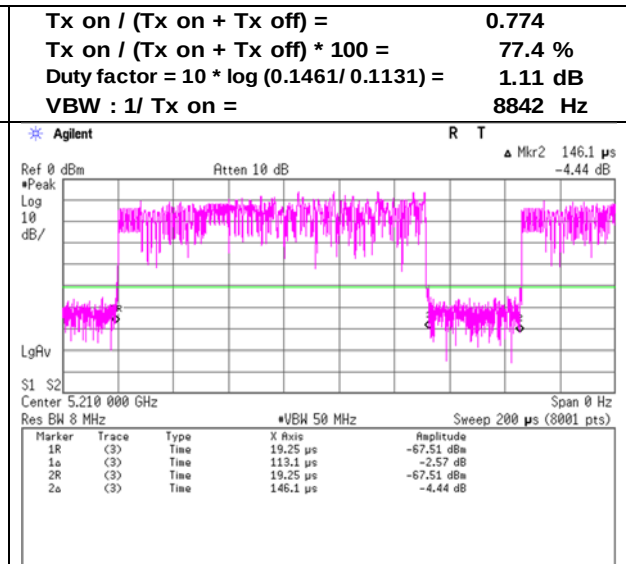
### 11ax-80 MCS 10 (OFDMA)(SDM) 26-tone RU



### 11ax-80 MCS 10 (OFDMA)(SDM) 52-tone RU



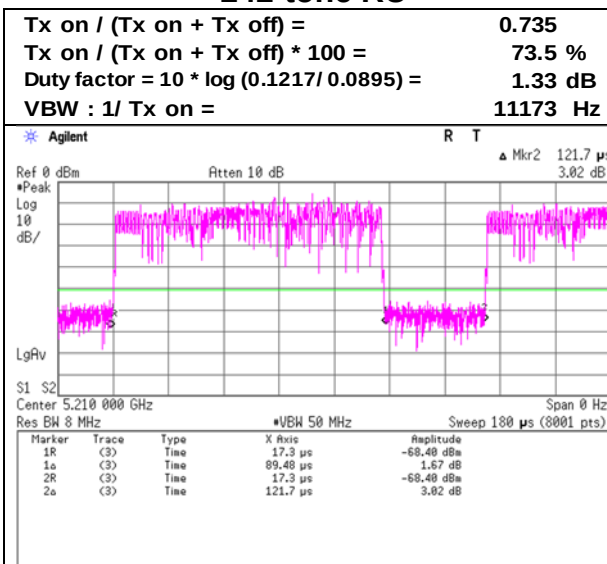
### 11ax-80 MCS 10 (OFDMA)(SDM) 106-tone RU



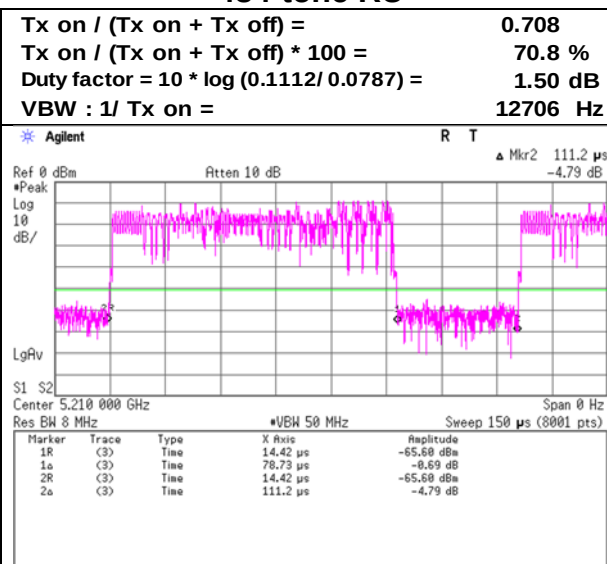
## Burst rate confirmation

Test place Shonan EMC Lab. No.1 Measurement Room  
Date November 8, 2023  
Temperature / Humidity 24 deg. C / 40 % RH  
Engineer Kazuya Noda  
Mode Tx

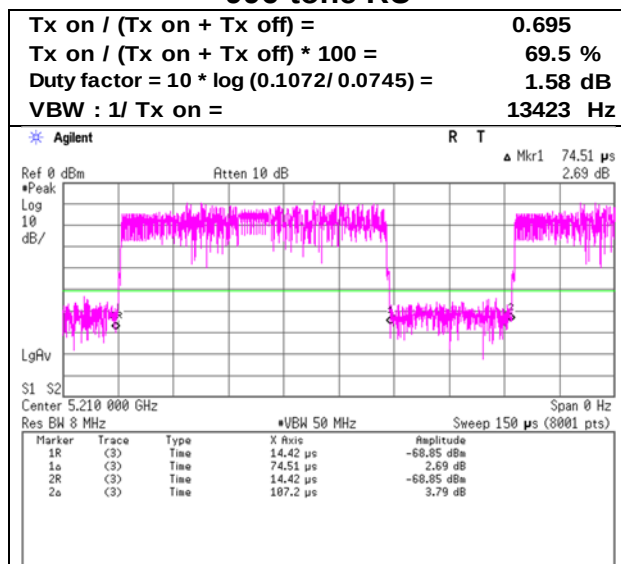
### 11ax-80 MCS 10 (OFDMA)(SDM) 242-tone RU



### 11ax-80 MCS 10 (OFDMA)(SDM) 484-tone RU



### 11ax-80 MCS 10 (OFDMA)(SDM) 996-tone RU



## Maximum Power Spectral Density

Test place Shonan EMC Lab. No.1 Measurement Room  
Date February 15, 2024  
Temperature / Humidity 23 deg. C / 35 % RH  
Engineer Kazuya Noda  
Mode Tx

11a

Applied limit: 15.407, mobile and portable client device

| Tested<br>Frequency<br>[MHz] | PSD<br>Reading<br>[dBm<br>/MHz] | Cable<br>Loss<br>[dB] | Atten.<br>Loss<br>[dB] | Duty<br>Factor<br>[dB] | Antenna<br>Gain<br>[dBi] | RBW<br>Correction<br>Factor<br>[dB] | PSD (Conducted)         |                        |                | PSD (e.i.r.p.)          |                        |                |
|------------------------------|---------------------------------|-----------------------|------------------------|------------------------|--------------------------|-------------------------------------|-------------------------|------------------------|----------------|-------------------------|------------------------|----------------|
|                              |                                 |                       |                        |                        |                          |                                     | Result<br>[dBm<br>/MHz] | Limit<br>[dBm<br>/MHz] | Margin<br>[dB] | Result<br>[dBm<br>/MHz] | Limit<br>[dBm<br>/MHz] | Margin<br>[dB] |
| 5180                         | -15.10                          | 2.95                  | 10.00                  | 0.19                   | 4.07                     | 0.00                                | -1.96                   | 11.00                  | 12.96          | 2.11                    | 17.00                  | 14.89          |
| 5220                         | -15.02                          | 2.95                  | 10.00                  | 0.19                   | 4.07                     | 0.00                                | -1.88                   | 11.00                  | 12.88          | 2.19                    | 17.00                  | 14.81          |
| 5240                         | -14.41                          | 2.95                  | 10.00                  | 0.19                   | 4.07                     | 0.00                                | -1.27                   | 11.00                  | 12.27          | 2.80                    | 17.00                  | 14.20          |
| 5260                         | -14.96                          | 2.96                  | 10.00                  | 0.19                   | 4.07                     | 0.00                                | -1.81                   | 11.00                  | 12.81          | 2.26                    | 17.00                  | 14.74          |
| 5300                         | -15.32                          | 2.96                  | 10.00                  | 0.19                   | 4.07                     | 0.00                                | -2.17                   | 11.00                  | 13.17          | 1.90                    | 17.00                  | 15.10          |
| 5320                         | -15.41                          | 2.96                  | 10.00                  | 0.19                   | 4.07                     | 0.00                                | -2.26                   | 11.00                  | 13.26          | 1.81                    | 17.00                  | 15.19          |
| 5500                         | -15.26                          | 2.98                  | 10.01                  | 0.19                   | 4.07                     | 0.00                                | -2.08                   | 11.00                  | 13.08          | 1.99                    | 17.00                  | 15.01          |
| 5580                         | -15.05                          | 2.98                  | 10.01                  | 0.19                   | 4.07                     | 0.00                                | -1.87                   | 11.00                  | 12.87          | 2.20                    | 17.00                  | 14.80          |
| 5700                         | -15.63                          | 2.99                  | 10.01                  | 0.19                   | 4.07                     | 0.00                                | -2.44                   | 11.00                  | 13.44          | 1.63                    | 17.00                  | 15.37          |
| 5745                         | -19.65                          | 3.00                  | 10.02                  | 0.19                   | 4.07                     | 0.27                                | -6.18                   | 30.00                  | 36.18          | -2.11                   | 36.00                  | 38.11          |
| 5785                         | -19.50                          | 3.00                  | 10.02                  | 0.19                   | 4.07                     | 0.27                                | -6.02                   | 30.00                  | 36.02          | -1.95                   | 36.00                  | 37.95          |
| 5825                         | -19.61                          | 3.00                  | 10.02                  | 0.19                   | 4.07                     | 0.27                                | -6.13                   | 30.00                  | 36.13          | -2.06                   | 36.00                  | 38.06          |

Sample Calculation:

PSD: Power Spectral Density

The PSD within 5725 MHz to 5825 MHz are based on any 500 kHz band.

RBW Correction Factor =  $10 \times \log (\text{Specified bandwidth} / \text{Measured bandwidth})$

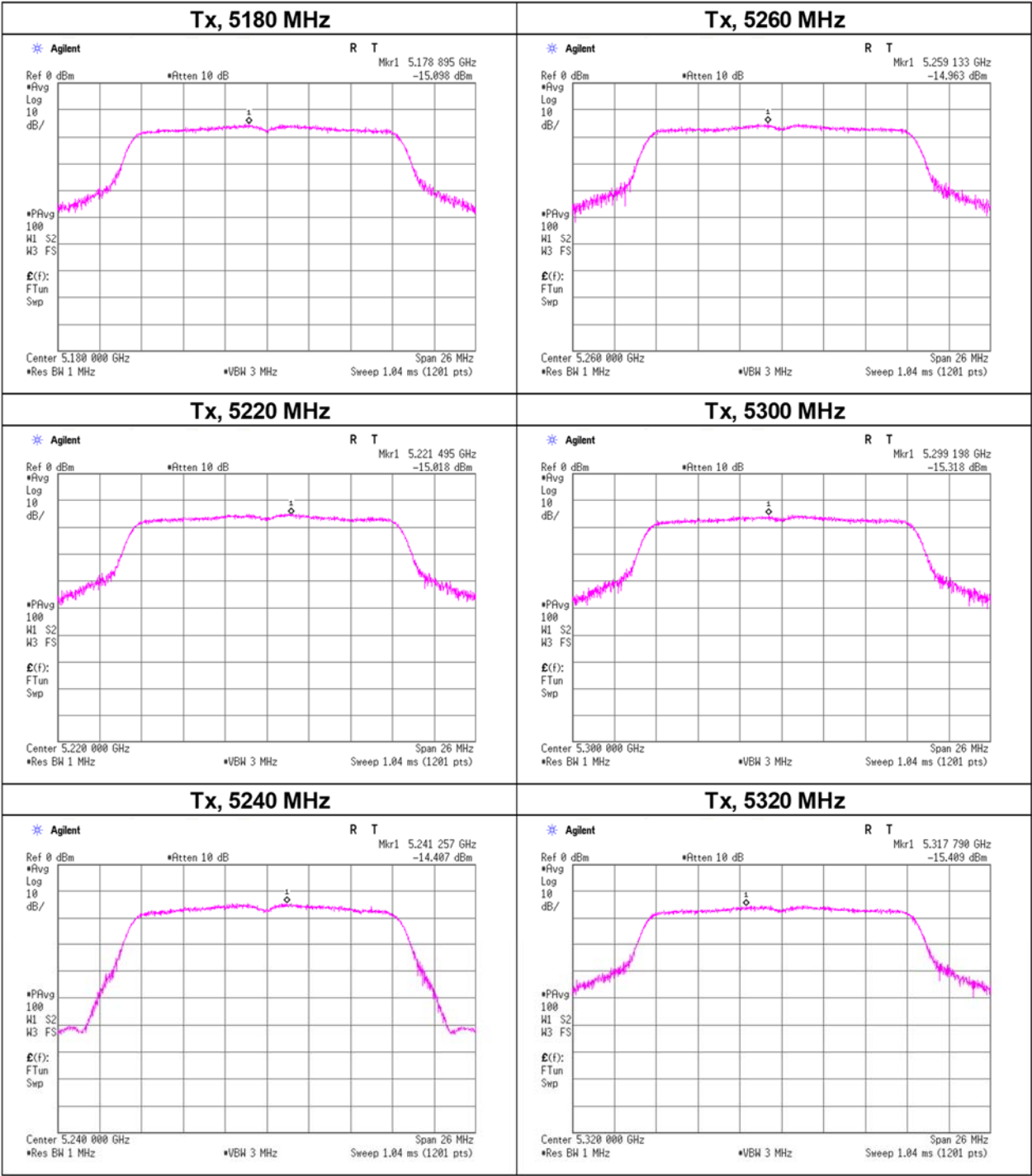
PSD Result (Conducted) = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor + RBW Correction Factor

PSD Result (e.i.r.p.) = Conducted PSD Result + Antenna Gain

RBW Correction Factor =  $10 \times \log (500 \text{ [kHz]} / 470 \text{ [kHz]})$

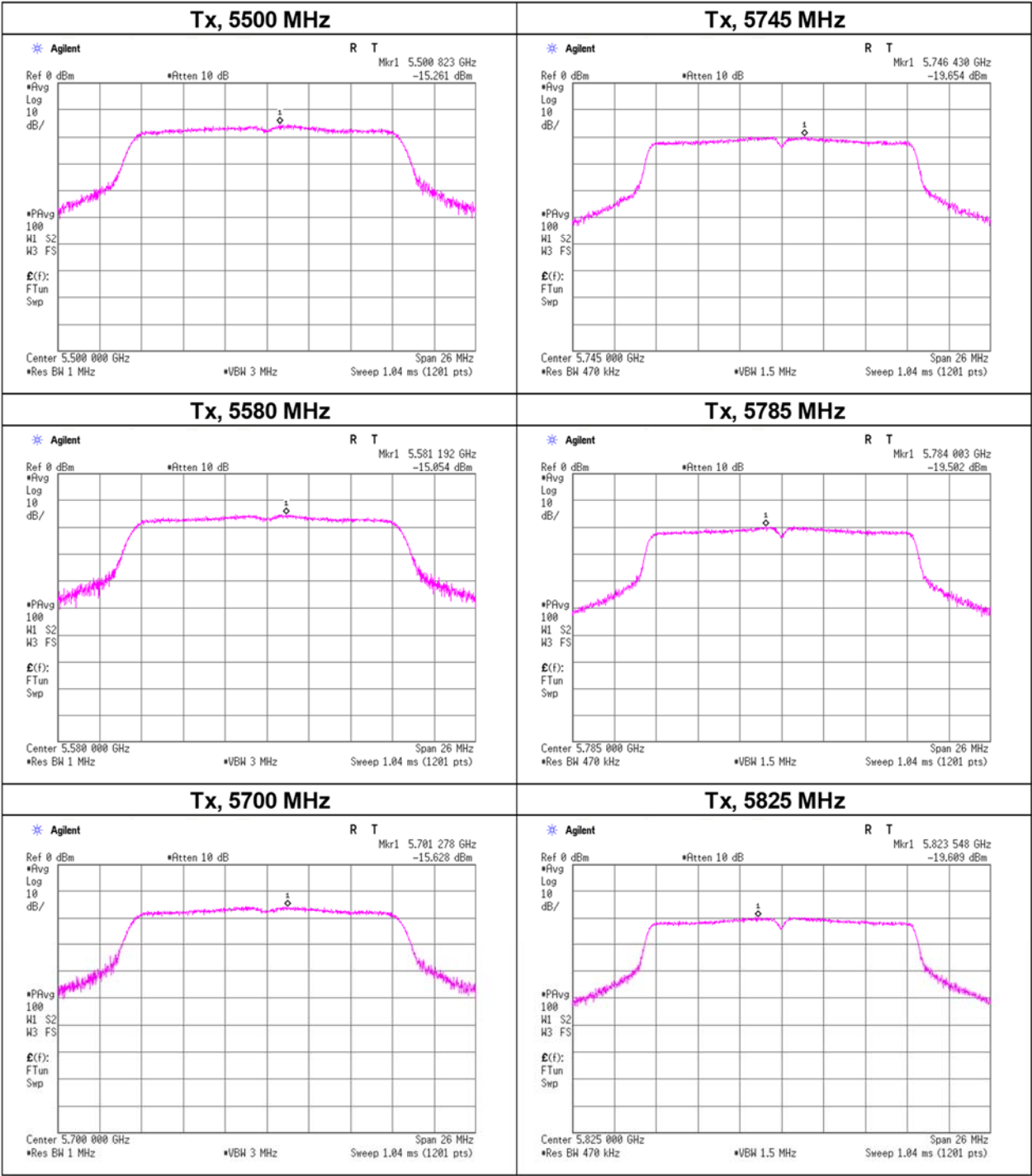
Maximum Power Spectral Density

11a



Maximum Power Spectral Density

11a



## Maximum Power Spectral Density

Test place Shonan EMC Lab. No.1 Measurement Room  
Date February 20, 2024  
Temperature / Humidity 24 deg. C / 45 % RH  
Engineer Kazuya Noda  
Mode Tx

Ant 0 + Ant 2 11n-20 (SDM) Applied limit: 15.407, Client

| Tested Frequency<br>[MHz] | PSD (Cond.)       |                   |                 |        |       |        | PSD (e.i.r.p.)    |                   |                 |        |       |        |
|---------------------------|-------------------|-------------------|-----------------|--------|-------|--------|-------------------|-------------------|-----------------|--------|-------|--------|
|                           | Antenna           |                   |                 | Result | Limit | Margin | Antenna           |                   |                 | Result | Limit | Margin |
|                           | Ant 0<br>[mW/MHz] | Ant 2<br>[mW/MHz] | Sum<br>[mW/MHz] |        |       |        | Ant 0<br>[mW/MHz] | Ant 2<br>[mW/MHz] | Sum<br>[mW/MHz] |        |       |        |
| 5180                      | 0.62              | 0.58              | 1.20            | 0.80   | 11.00 | 10.20  | 0.73              | 1.49              | 2.21            | 3.45   | 17.00 | 13.55  |
| 5220                      | 0.63              | 0.60              | 1.24            | 0.92   | 11.00 | 10.08  | 0.75              | 1.54              | 2.28            | 3.59   | 17.00 | 13.41  |
| 5240                      | 0.64              | 0.62              | 1.26            | 0.99   | 11.00 | 10.01  | 0.75              | 1.57              | 2.33            | 3.67   | 17.00 | 13.33  |
| 5260                      | 0.63              | 0.64              | 1.27            | 1.03   | 11.00 | 9.97   | 0.74              | 1.63              | 2.37            | 3.74   | 17.00 | 13.26  |
| 5300                      | 0.67              | 0.59              | 1.25            | 0.98   | 11.00 | 10.02  | 0.79              | 1.49              | 2.28            | 3.58   | 17.00 | 13.42  |
| 5320                      | 0.67              | 0.60              | 1.28            | 1.06   | 11.00 | 9.94   | 0.79              | 1.54              | 2.33            | 3.67   | 17.00 | 13.33  |
| 5500                      | 0.52              | 0.54              | 1.06            | 0.26   | 11.00 | 10.74  | 0.61              | 1.38              | 1.99            | 2.99   | 17.00 | 14.01  |
| 5580                      | 0.59              | 0.61              | 1.19            | 0.77   | 11.00 | 10.23  | 0.69              | 1.56              | 2.24            | 3.51   | 17.00 | 13.49  |
| 5700                      | 0.54              | 0.57              | 1.11            | 0.45   | 11.00 | 10.55  | 0.63              | 1.46              | 2.09            | 3.21   | 17.00 | 13.79  |
| 5745                      | 0.22              | 0.24              | 0.46            | -3.35  | 30.00 | 33.35  | 0.26              | 0.61              | 0.87            | -0.60  | 36.00 | 36.60  |
| 5785                      | 0.21              | 0.23              | 0.45            | -3.51  | 30.00 | 33.51  | 0.25              | 0.59              | 0.84            | -0.75  | 36.00 | 36.75  |
| 5825                      | 0.21              | 0.26              | 0.47            | -3.29  | 30.00 | 33.29  | 0.25              | 0.66              | 0.91            | -0.42  | 36.00 | 36.42  |

|                  |             |                       | Ant 0       |            |             |              |            |           | Ant 2       |            |             |              |            |           |
|------------------|-------------|-----------------------|-------------|------------|-------------|--------------|------------|-----------|-------------|------------|-------------|--------------|------------|-----------|
| Tested Frequency | Duty Factor | RBW Conversion Factor | PSD Reading | Cable Loss | Atten. Loss | Antenna Gain | PSD Result |           | PSD Reading | Cable Loss | Atten. Loss | Antenna Gain | PSD Result |           |
| [MHz]            | [dB]        | [dB]                  | [dBm/MHz]   | [dB]       | [dB]        | [dBi]        | [dBm/MHz]  | [dBm/MHz] | [dBm/MHz]   | [dB]       | [dB]        | [dBi]        | [dBm/MHz]  | [dBm/MHz] |
| 5180             | 0.20        | -                     | -15.25      | 2.95       | 10.01       | 0.70         | -2.09      | -1.39     | -15.49      | 2.95       | 10.00       | 4.07         | -2.34      | 1.73      |
| 5220             | 0.20        | -                     | -15.13      | 2.95       | 10.01       | 0.70         | -1.97      | -1.27     | -15.35      | 2.95       | 10.00       | 4.07         | -2.20      | 1.87      |
| 5240             | 0.20        | -                     | -15.10      | 2.95       | 10.01       | 0.70         | -1.94      | -1.24     | -15.25      | 2.95       | 10.00       | 4.07         | -2.10      | 1.97      |
| 5260             | 0.20        | -                     | -15.17      | 2.95       | 10.01       | 0.70         | -2.00      | -1.30     | -15.12      | 2.96       | 10.00       | 4.07         | -1.96      | 2.11      |
| 5300             | 0.20        | -                     | -14.92      | 2.96       | 10.01       | 0.70         | -1.75      | -1.05     | -15.49      | 2.96       | 10.00       | 4.07         | -2.33      | 1.74      |
| 5320             | 0.20        | -                     | -14.90      | 2.96       | 10.01       | 0.70         | -1.73      | -1.03     | -15.36      | 2.96       | 10.00       | 4.07         | -2.20      | 1.87      |
| 5500             | 0.20        | -                     | -16.02      | 2.98       | 10.01       | 0.70         | -2.83      | -2.13     | -15.86      | 2.98       | 10.01       | 4.07         | -2.67      | 1.40      |
| 5580             | 0.20        | -                     | -15.52      | 2.98       | 10.01       | 0.70         | -2.33      | -1.63     | -15.34      | 2.98       | 10.01       | 4.07         | -2.15      | 1.92      |
| 5700             | 0.20        | -                     | -15.90      | 2.99       | 10.01       | 0.70         | -2.70      | -2.00     | -15.62      | 2.99       | 10.01       | 4.07         | -2.42      | 1.65      |
| 5745             | 0.20        | 0.27                  | -19.97      | 3.00       | 10.01       | 0.70         | -6.49      | -5.79     | -19.72      | 3.00       | 10.02       | 4.07         | -6.23      | -2.16     |
| 5785             | 0.20        | 0.27                  | -20.16      | 3.00       | 10.01       | 0.70         | -6.69      | -5.99     | -19.85      | 3.00       | 10.02       | 4.07         | -6.36      | -2.29     |
| 5825             | 0.20        | 0.27                  | -20.25      | 3.00       | 10.01       | 0.70         | -6.77      | -6.07     | -19.36      | 3.00       | 10.02       | 4.07         | -5.87      | -1.80     |

Sample Calculation:

PSD: Power Spectral Density

PSD (Conducted) Result = Reading + Cable Loss + Atten. Loss + Duty Factor + RBW Conversion Factor

PSD (e.i.r.p.) Result = PSD (Conducted) Result + Antenna Gain

RBW Conversion Factor =  $10 \times \log (500 \text{ [kHz]} / 470 \text{ [kHz]})$

Maximum Power Spectral Density

11n-20

