

**Transmitter Maximum Power Spectral Density (5.15-5.25 GHz band) (continued)****Results: 802.11n / 40 MHz / MIMO / 2Tx TXBF / BPSK / MCS0**

| Channel | Frequency (MHz) | Core 1        |                                   |                          | Core 2        |                                   |                          |
|---------|-----------------|---------------|-----------------------------------|--------------------------|---------------|-----------------------------------|--------------------------|
|         |                 | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm /MHz) | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm /MHz) |
| Bottom  | 5190            | -3.1          | 0.1                               | -3.0                     | -3.7          | 0.1                               | -3.6                     |
| Top     | 5230            | 3.7           | 0.1                               | 3.8                      | 3.7           | 0.1                               | 3.8                      |

| Channel | Frequency (MHz) | Corrected PSD Core 1 (dBm/MHz) | Corrected PSD Core 2 (dBm/MHz) | Combined PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|-----------------|--------------------------------|--------------------------------|------------------------|-----------------|-------------|----------|
| Bottom  | 5190            | -3.0                           | -3.6                           | -0.3                   | 10.1            | 10.4        | Complied |
| Top     | 5230            | 3.8                            | 3.8                            | 6.8                    | 10.1            | 3.3         | Complied |

**Results: 802.11ac / 80 MHz / MIMO / 2Tx TxBF / BPSK / MCS0x1**

| Channel | Frequency (MHz) | Core 1        |                                   |                          | Core 2        |                                   |                          |
|---------|-----------------|---------------|-----------------------------------|--------------------------|---------------|-----------------------------------|--------------------------|
|         |                 | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm /MHz) | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm /MHz) |
| Single  | 5210            | -6.5          | 0.1                               | -6.4                     | -7.4          | 0.1                               | -7.3                     |

| Channel | Frequency (MHz) | Corrected PSD Core 1 (dBm/MHz) | Corrected PSD Core 2 (dBm/MHz) | Combined PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|-----------------|--------------------------------|--------------------------------|------------------------|-----------------|-------------|----------|
| Single  | 5210            | -6.4                           | -7.3                           | -3.8                   | 10.1            | 13.9        | Complied |

**Results: 802.11n / 20 MHz / MIMO / 3Tx CDD / BPSK / MCS0**

| Channel | Frequency (MHz) | PSD Core 0 (dBm/MHz) | PSD Core 1 (dBm/MHz) | PSD Core 2 (dBm/MHz) | Combined PSD (dBm/MHz) |
|---------|-----------------|----------------------|----------------------|----------------------|------------------------|
| Bottom  | 5180            | 2.0                  | 1.8                  | 2.3                  | 6.6                    |
| Middle  | 5200            | 2.7                  | 2.7                  | 2.8                  | 7.1                    |
| Top     | 5240            | 2.4                  | 2.7                  | 2.3                  | 7.0                    |

| Channel | Frequency (MHz) | Combined PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|-----------------|------------------------|-----------------|-------------|----------|
| Bottom  | 5180            | 6.6                    | 9.2             | 2.6         | Complied |
| Middle  | 5200            | 7.1                    | 9.2             | 2.1         | Complied |
| Top     | 5240            | 7.0                    | 9.2             | 2.2         | Complied |

**Transmitter Maximum Power Spectral Density (5.15-5.25 GHz band) (continued)****Results: 802.11n / 40 MHz / MIMO / 3Tx CDD / BPSK / MCS0**

| Channel | Frequency (MHz) | Core 0        |                                   |                          | Core 1        |                                   |                          |
|---------|-----------------|---------------|-----------------------------------|--------------------------|---------------|-----------------------------------|--------------------------|
|         |                 | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm /MHz) | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm /MHz) |
| Bottom  | 5190            | -3.4          | 0.1                               | -3.3                     | -3.2          | 0.1                               | -3.1                     |
| Top     | 5230            | 2.8           | 0.1                               | 2.9                      | 3.3           | 0.1                               | 3.4                      |

| Channel | Frequency (MHz) | Core 2        |                                   |                          | Core 0, Core 1 & Core 2         |                                 |                                 |
|---------|-----------------|---------------|-----------------------------------|--------------------------|---------------------------------|---------------------------------|---------------------------------|
|         |                 | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm /MHz) | Corrected PSD Core 0 (dBm /MHz) | Corrected PSD Core 1 (dBm /MHz) | Corrected PSD Core 2 (dBm /MHz) |
| Bottom  | 5190            | -3.2          | 0.1                               | -3.1                     | -3.3                            | -3.1                            | -3.1                            |
| Top     | 5230            | 2.5           | 0.1                               | 2.6                      | 2.9                             | 3.4                             | 2.6                             |

| Channel | Frequency (MHz) | Combined PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|-----------------|------------------------|-----------------|-------------|----------|
| Bottom  | 5190            | 1.3                    | 9.2             | 7.9         | Complied |
| Top     | 5230            | 7.6                    | 9.2             | 1.6         | Complied |

**Results: 802.11ac / 80 MHz / MIMO / 3Tx CDD / BPSK / MCS0**

| Channel | Frequency (MHz) | Core 0        |                                   |                          | Core 1        |                                   |                          |
|---------|-----------------|---------------|-----------------------------------|--------------------------|---------------|-----------------------------------|--------------------------|
|         |                 | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm /MHz) | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm /MHz) |
| 42      | 5210            | -6.5          | 0.2                               | -6.3                     | -6.0          | 0.2                               | -5.8                     |

| Channel | Frequency (MHz) | Core 2        |                                   |                          | Core 0, Core 1 & Core 2         |                                 |                                 |
|---------|-----------------|---------------|-----------------------------------|--------------------------|---------------------------------|---------------------------------|---------------------------------|
|         |                 | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm /MHz) | Corrected PSD Core 0 (dBm /MHz) | Corrected PSD Core 1 (dBm /MHz) | Corrected PSD Core 2 (dBm /MHz) |
| 42      | 5210            | -6.2          | 0.2                               | -6.0                     | -6.3                            | -5.8                            | -6.0                            |

| Channel | Frequency (MHz) | Combined PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|-----------------|------------------------|-----------------|-------------|----------|
| 42      | 5210            | -1.4                   | 9.2             | 10.6        | Complied |

**Transmitter Maximum Power Spectral Density (5.15-5.25 GHz band) (continued)****Results: 802.11n / 20 MHz / MIMO / 3Tx SDM / BPSK / MCS16**

| Channel | Frequency (MHz) | PSD Core 0 (dBm/MHz) | PSD Core 1 (dBm/MHz) | PSD Core 2 (dBm/MHz) | Combined PSD (dBm/MHz) |
|---------|-----------------|----------------------|----------------------|----------------------|------------------------|
| Bottom  | 5180            | 2.9                  | 2.9                  | 3.1                  | 7.6                    |
| Middle  | 5200            | 4.6                  | 5.0                  | 4.8                  | 9.2                    |
| Top     | 5240            | 5.0                  | 5.1                  | 4.5                  | 9.4                    |

| Channel | Frequency (MHz) | Combined PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|-----------------|------------------------|-----------------|-------------|----------|
| Bottom  | 5180            | 7.6                    | 11.0            | 3.4         | Complied |
| Middle  | 5200            | 9.2                    | 11.0            | 1.8         | Complied |
| Top     | 5240            | 9.4                    | 11.0            | 1.6         | Complied |

**Results: 802.11n / 40 MHz / MIMO / 3Tx SDM / BPSK / MCS16**

| Channel | Frequency (MHz) | Core 0        |                                   |                          | Core 1        |                                   |                          |
|---------|-----------------|---------------|-----------------------------------|--------------------------|---------------|-----------------------------------|--------------------------|
|         |                 | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm /MHz) | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm /MHz) |
| Bottom  | 5190            | -3.2          | 0.1                               | -3.1                     | -3.0          | 0.1                               | -2.9                     |
| Top     | 5230            | 4.4           | 0.1                               | 4.5                      | 4.9           | 0.1                               | 5.0                      |

| Channel | Frequency (MHz) | Core 2        |                                   |                          | Core 0, Core 1 & Core 2         |                                 |                                 |
|---------|-----------------|---------------|-----------------------------------|--------------------------|---------------------------------|---------------------------------|---------------------------------|
|         |                 | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm /MHz) | Corrected PSD Core 0 (dBm /MHz) | Corrected PSD Core 1 (dBm /MHz) | Corrected PSD Core 2 (dBm /MHz) |
| Bottom  | 5190            | -3.1          | 0.1                               | -3.0                     | -3.1                            | -2.9                            | -3.0                            |
| Top     | 5230            | 3.9           | 0.1                               | 4.0                      | 4.5                             | 5.0                             | 4.0                             |

| Channel | Frequency (MHz) | Combined PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|-----------------|------------------------|-----------------|-------------|----------|
| Bottom  | 5190            | 1.5                    | 11.0            | 9.5         | Complied |
| Top     | 5230            | 9.1                    | 11.0            | 1.9         | Complied |

**Transmitter Maximum Power Spectral Density (5.15-5.25 GHz band) (continued)****Results: 802.11ac / 80 MHz / MIMO / 3Tx SDM / BPSK / MCS0x3**

| Channel | Frequency (MHz) | Core 0        |                                   |                          | Core 1        |                                   |                          |
|---------|-----------------|---------------|-----------------------------------|--------------------------|---------------|-----------------------------------|--------------------------|
|         |                 | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm /MHz) | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm /MHz) |
| 42      | 5210            | -6.2          | 0.2                               | -6.0                     | -5.5          | 0.2                               | -5.3                     |

| Channel | Frequency (MHz) | Core 2        |                                   |                          | Core 0, Core 1 & Core 2         |                                 |                                 |
|---------|-----------------|---------------|-----------------------------------|--------------------------|---------------------------------|---------------------------------|---------------------------------|
|         |                 | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm /MHz) | Corrected PSD Core 0 (dBm /MHz) | Corrected PSD Core 1 (dBm /MHz) | Corrected PSD Core 2 (dBm /MHz) |
| 42      | 5210            | -6.1          | 0.2                               | -5.9                     | -6.0                            | -5.3                            | -5.9                            |

| Channel | Frequency (MHz) | Combined PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|-----------------|------------------------|-----------------|-------------|----------|
| 42      | 5210            | -1.2                   | 11.0            | 12.2        | Complied |

**Results: 802.11n / 20 MHz / MIMO / 3Tx TXBF / BPSK / MCS0**

| Channel | Frequency (MHz) | Core 0        |                                   |                          | Core 1        |                                   |                          |
|---------|-----------------|---------------|-----------------------------------|--------------------------|---------------|-----------------------------------|--------------------------|
|         |                 | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm /MHz) | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm /MHz) |
| Bottom  | 5180            | 1.9           | 0.1                               | 2.0                      | 2.2           | 0.1                               | 2.3                      |
| Middle  | 5200            | 2.3           | 0.1                               | 2.4                      | 2.9           | 0.1                               | 3.0                      |
| Top     | 5240            | 2.9           | 0.1                               | 3.0                      | 2.6           | 0.1                               | 2.7                      |

| Channel | Frequency (MHz) | Core 2        |                                   |                          | Core 0, Core 1 & Core 2         |                                 |                                 |
|---------|-----------------|---------------|-----------------------------------|--------------------------|---------------------------------|---------------------------------|---------------------------------|
|         |                 | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm /MHz) | Corrected PSD Core 0 (dBm /MHz) | Corrected PSD Core 1 (dBm /MHz) | Corrected PSD Core 2 (dBm /MHz) |
| Bottom  | 5180            | 1.7           | 0.1                               | 1.8                      | 2.0                             | 2.3                             | 1.8                             |
| Middle  | 5200            | 2.5           | 0.1                               | 2.6                      | 2.4                             | 3.0                             | 2.6                             |
| Top     | 5240            | 1.8           | 0.1                               | 1.9                      | 3.0                             | 2.7                             | 1.9                             |

| Channel | Frequency (MHz) | Combined PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|-----------------|------------------------|-----------------|-------------|----------|
| Bottom  | 5180            | 6.8                    | 9.2             | 2.4         | Complied |
| Middle  | 5200            | 7.4                    | 9.2             | 1.8         | Complied |
| Top     | 5240            | 7.3                    | 9.2             | 1.9         | Complied |

**Transmitter Maximum Power Spectral Density (5.15-5.25 GHz band) (continued)****Results: 802.11n / 40 MHz / MIMO / 3Tx TXBF / BPSK / MCS0**

| Channel | Frequency (MHz) | Core 0        |                                   |                          | Core 1        |                                   |                          |
|---------|-----------------|---------------|-----------------------------------|--------------------------|---------------|-----------------------------------|--------------------------|
|         |                 | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm /MHz) | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm /MHz) |
| Bottom  | 5190            | -4.8          | 0.1                               | -4.7                     | -5.0          | 0.1                               | -4.9                     |
| Top     | 5230            | 0.7           | 0.1                               | 0.8                      | 0.3           | 0.1                               | 0.4                      |

| Channel | Frequency (MHz) | Core 2        |                                   |                          | Core 0, Core 1 & Core 2         |                                 |                                 |
|---------|-----------------|---------------|-----------------------------------|--------------------------|---------------------------------|---------------------------------|---------------------------------|
|         |                 | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm /MHz) | Corrected PSD Core 0 (dBm /MHz) | Corrected PSD Core 1 (dBm /MHz) | Corrected PSD Core 2 (dBm /MHz) |
| Bottom  | 5190            | -0.9          | 0.1                               | -0.8                     | -4.7                            | -4.9                            | -0.8                            |
| Top     | 5230            | 0.2           | 0.1                               | 0.3                      | 0.8                             | 0.4                             | 0.3                             |

| Channel | Frequency (MHz) | Combined PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|-----------------|------------------------|-----------------|-------------|----------|
| Bottom  | 5190            | 1.7                    | 9.2             | 7.5         | Complied |
| Top     | 5230            | 5.3                    | 9.2             | 3.9         | Complied |

**Results: 802.11ac / 80 MHz / MIMO / 3Tx TXBF / BPSK / MCS0**

| Channel | Frequency (MHz) | Core 0        |                                   |                          | Core 1        |                                   |                          |
|---------|-----------------|---------------|-----------------------------------|--------------------------|---------------|-----------------------------------|--------------------------|
|         |                 | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm /MHz) | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm /MHz) |
| Top     | 5210            | -7.9          | 0.1                               | -7.8                     | -7.7          | 0.1                               | -7.6                     |

| Channel | Frequency (MHz) | Core 2        |                                   |                          | Core 0, Core 1 & Core 2         |                                 |                                 |
|---------|-----------------|---------------|-----------------------------------|--------------------------|---------------------------------|---------------------------------|---------------------------------|
|         |                 | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm /MHz) | Corrected PSD Core 0 (dBm /MHz) | Corrected PSD Core 1 (dBm /MHz) | Corrected PSD Core 2 (dBm /MHz) |
| Top     | 5210            | -6.2          | 0.1                               | -6.1                     | -7.8                            | -7.6                            | -6.1                            |

| Channel | Frequency (MHz) | Combined PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|-----------------|------------------------|-----------------|-------------|----------|
| Top     | 5210            | -2.3                   | 9.2             | 11.5        | Complied |

**Transmitter Maximum Power Spectral Density (5.25-5.35 GHz band)****4.5.2. 5.25-5.35 GHz band****Test Summary:**

|                                    |                                               |                    |                                      |
|------------------------------------|-----------------------------------------------|--------------------|--------------------------------------|
| <b>Test Engineers:</b>             | Max Passell, Victor Carmon & Matthew Botfield | <b>Test Dates:</b> | 07 November 2018 to 30 November 2018 |
| <b>Test Sample Serial Numbers:</b> | C02X2007KFLX & C02WW00WKFMM                   |                    |                                      |

|                          |                                                                  |
|--------------------------|------------------------------------------------------------------|
| <b>FCC Reference:</b>    | Part 15.407(a)(2)                                                |
| <b>Test Method Used:</b> | KDB 789033 D02 Section II.F. referencing II.E.2.b) and II.E.2.d) |

**Environmental Conditions:**

|                               |          |
|-------------------------------|----------|
| <b>Temperature (°C):</b>      | 22 to 24 |
| <b>Relative Humidity (%):</b> | 42 to 52 |

**Transmitter Maximum Power Spectral Density (5.25-5.35 GHz band) (continued)****Note(s):**

1. Transmitter Maximum Power Spectral Density tests in all bands were performed using a signal analyser in accordance with KDB 789033 II. F referencing II.E.2.b) Method SA-1 and II.E.2.d) Method SA-2.
2. Measurements were performed using configurations detailed in Section 3.5 of this test report on the relevant channels.
3. For data rates where the EUT was transmitting at <98% duty cycle, the calculated duty cycle in Section 4.1 was added to the measured maximum power spectral density in order to compute the average maximum power spectral density during the actual transmission time.
4. FCC Part 15.407(a)(2) limit for PSD in the 5.25-5.35 GHz band is <11 dBm/MHz.
5. For MIMO CDD and MIMO SDM modes, PSD was measured on both ports and then combined using the *measure and sum spectral maxima across the outputs* technique, stated in FCC KDB 662911 D01 Section E)2)a).
6. For MIMO TxBF modes, PSD was measured on both ports and then combined using the *measure and sum spectral maxima across the outputs* technique, stated in FCC KDB 662911 D01 Section E)2)b).
7. For SISO and MIMO SDM modes of operation, the antenna gain is < 6 dBi.
8. For 2Tx CDD and 2Tx TxBF modes of operation presented in this section of the test report, the EUT has a directional antenna gain of 6.9 dBi. In accordance with Part 15.407(a)(2), the limit was reduced by the amount in dB the antenna gain exceeds 6 dBi. Therefore the limit of 11.0 dBm has been reduced by 0.9 dB to 10.1 dBm.
9. For 3Tx CDD and 3Tx TxBF modes of operation presented in this section of the test report, the EUT has a directional antenna gain of 7.9 dBi. In accordance with Part 15.407(a)(2), the limit was reduced by the amount in dB the antenna gain exceeds 6 dBi. Therefore the limit of 11.0 dBm has been reduced by 1.9 dB to 9.1 dBm.
10. For details on antenna gains refer to Section 3.4 of this test report
11. The signal analyser was connected to the RF port on the EUT using an RF switch, suitable attenuation and RF cable. An RF level offset was entered on the signal analyser to compensate for the loss of the attenuator and RF cable.
12. As the power spectral density test uses the same test method as the output power test, before the power is integrated across the 26 dB bandwidth, the conducted power spectral density plots are located in the conducted output power section 4.4 of this test report. The peak spectral density was measured by placing a marker on the peak of the signal and the results entered in the tables below.
13. The EUT with serial number C02X2007KFLX was used for non-TxBF tests, the EUT with serial C02WW00WKFMM number was used for TxBF tests.

**Transmitter Maximum Power Spectral Density (5.25-5.35 GHz band) (continued)****Results: 802.11a / 20 MHz / SISO / BPSK / 6 Mbps / Core 2**

| Channel | Frequency (MHz) | PSD (dBm /MHz) | Limit (dBm /MHz) | Margin (dB) | Result   |
|---------|-----------------|----------------|------------------|-------------|----------|
| Bottom  | 5260            | 9.8            | 11.0             | 1.2         | Complied |
| Middle  | 5280            | 9.8            | 11.0             | 1.2         | Complied |
| Top     | 5320            | 6.3            | 11.0             | 4.7         | Complied |

**Results: 802.11n / 20 MHz / SISO / BPSK / MCS0 / Core 2**

| Channel | Frequency (MHz) | PSD (dBm /MHz) | Limit (dBm /MHz) | Margin (dB) | Result   |
|---------|-----------------|----------------|------------------|-------------|----------|
| Bottom  | 5260            | 9.4            | 11.0             | 1.6         | Complied |
| Middle  | 5280            | 9.4            | 11.0             | 1.6         | Complied |
| Top     | 5320            | 6.1            | 11.0             | 4.9         | Complied |

**Results: 802.11n / 40 MHz / SISO / BPSK / MCS0 / Core 2**

| Channel | Frequency (MHz) | PSD (dBm /MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm /MHz) | Limit (dBm /MHz) | Margin (dB) | Result   |
|---------|-----------------|----------------|-----------------------------------|--------------------------|------------------|-------------|----------|
| Bottom  | 5270            | 5.3            | 0.1                               | 5.4                      | 11.0             | 5.6         | Complied |
| Top     | 5310            | 0.1            | 0.1                               | 0.2                      | 11.0             | 10.8        | Complied |

**Results: 802.11ac / 80 MHz / SISO / BPSK / MCS0 / Core 2**

| Channel | Frequency (MHz) | PSD (dBm /MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm /MHz) | Limit (dBm /MHz) | Margin (dB) | Result   |
|---------|-----------------|----------------|-----------------------------------|--------------------------|------------------|-------------|----------|
| Single  | 5290            | -2.9           | 0.2                               | -2.7                     | 11.0             | 13.7        | Complied |

**Results: 802.11n / 20 MHz / MIMO / 2Tx CDD / BPSK / MCS0**

| Channel | Frequency (MHz) | PSD Core 1 (dBm/MHz) | PSD Core 2 (dBm/MHz) | Combined PSD (dBm /MHz) | Limit (dBm /MHz) | Margin (dB) | Result   |
|---------|-----------------|----------------------|----------------------|-------------------------|------------------|-------------|----------|
| Bottom  | 5260            | 5.8                  | 5.4                  | 8.2                     | 10.1             | 1.9         | Complied |
| Middle  | 5280            | 5.7                  | 5.6                  | 8.6                     | 10.1             | 1.5         | Complied |
| Top     | 5320            | 6.0                  | 5.3                  | 8.4                     | 10.1             | 1.7         | Complied |

**Transmitter Maximum Power Spectral Density (5.25-5.35 GHz band) (continued)****Results: 802.11n / 40 MHz / MIMO / 2Tx CDD / BPSK / MCS0**

| Channel | Frequency (MHz) | Core 1        |                                   |                          | Core 2        |                                   |                          |
|---------|-----------------|---------------|-----------------------------------|--------------------------|---------------|-----------------------------------|--------------------------|
|         |                 | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm /MHz) | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm /MHz) |
| Bottom  | 5270            | 4.4           | 0.1                               | 4.5                      | 3.6           | 0.1                               | 3.7                      |
| Top     | 5310            | -0.5          | 0.1                               | -0.4                     | -1.1          | 0.1                               | -1.0                     |

| Channel | Frequency (MHz) | Corrected PSD Core 1 (dBm/MHz) | Corrected PSD Core 2 (dBm/MHz) | Combined PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|-----------------|--------------------------------|--------------------------------|------------------------|-----------------|-------------|----------|
| Bottom  | 5270            | 4.5                            | 3.7                            | 6.8                    | 10.1            | 3.3         | Complied |
| Top     | 5310            | -0.4                           | -1.0                           | 2.2                    | 10.1            | 7.9         | Complied |

**Results: 802.11ac / 80 MHz / MIMO / 2Tx CDD / BPSK / MCS0x1**

| Channel | Frequency (MHz) | Core 1        |                                   |                          | Core 2        |                                   |                          |
|---------|-----------------|---------------|-----------------------------------|--------------------------|---------------|-----------------------------------|--------------------------|
|         |                 | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm /MHz) | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm /MHz) |
| Single  | 5290            | -3.5          | 0.2                               | -3.3                     | -4.3          | 0.2                               | -4.1                     |

| Channel | Frequency (MHz) | Corrected PSD Core 1 (dBm/MHz) | Corrected PSD Core 2 (dBm/MHz) | Combined PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|-----------------|--------------------------------|--------------------------------|------------------------|-----------------|-------------|----------|
| Single  | 5290            | -3.3                           | -4.1                           | -0.7                   | 10.1            | 10.8        | Complied |

**Results: 802.11n / 20 MHz / MIMO / 2Tx SDM / BPSK / MCS8**

| Channel | Frequency (MHz) | PSD Core 1 (dBm/MHz) | PSD Core 2 (dBm/MHz) | Combined PSD (dBm /MHz) | Limit (dBm /MHz) | Margin (dB) | Result   |
|---------|-----------------|----------------------|----------------------|-------------------------|------------------|-------------|----------|
| Bottom  | 5260            | 6.8                  | 6.3                  | 9.4                     | 11.0             | 1.6         | Complied |
| Middle  | 5280            | 6.9                  | 6.3                  | 9.4                     | 11.0             | 1.6         | Complied |
| Top     | 5320            | 6.0                  | 5.4                  | 8.4                     | 11.0             | 2.6         | Complied |

**Transmitter Maximum Power Spectral Density (5.25-5.35 GHz band) (continued)****Results: 802.11n / 40 MHz / MIMO / 2Tx SDM / BPSK / MCS8**

| Channel | Frequency (MHz) | Core 1        |                                   |                          | Core 2        |                                   |                          |
|---------|-----------------|---------------|-----------------------------------|--------------------------|---------------|-----------------------------------|--------------------------|
|         |                 | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm /MHz) | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm /MHz) |
| Bottom  | 5270            | 4.5           | 0.1                               | 4.6                      | 3.6           | 0.1                               | 3.7                      |
| Top     | 5310            | -0.6          | 0.1                               | -0.5                     | -1.0          | 0.1                               | -0.9                     |

| Channel | Frequency (MHz) | Corrected PSD Core 1 (dBm/MHz) | Corrected PSD Core 2 (dBm/MHz) | Combined PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|-----------------|--------------------------------|--------------------------------|------------------------|-----------------|-------------|----------|
| Bottom  | 5270            | 4.6                            | 3.7                            | 7.0                    | 11.0            | 4.0         | Complied |
| Top     | 5310            | -0.5                           | -0.9                           | 2.0                    | 11.0            | 9.0         | Complied |

**Results: 802.11ac / 80 MHz / MIMO / 2Tx SDM / BPSK / MCS0x2**

| Channel | Frequency (MHz) | Core 1        |                                   |                          | Core 2        |                                   |                          |
|---------|-----------------|---------------|-----------------------------------|--------------------------|---------------|-----------------------------------|--------------------------|
|         |                 | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm /MHz) | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm /MHz) |
| Single  | 5290            | -3.2          | 0.2                               | -3.0                     | -3.9          | 0.2                               | -3.7                     |

| Channel | Frequency (MHz) | Corrected PSD Core 1 (dBm/MHz) | Corrected PSD Core 2 (dBm/MHz) | Combined PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|-----------------|--------------------------------|--------------------------------|------------------------|-----------------|-------------|----------|
| Single  | 5290            | -3.0                           | -3.7                           | -0.6                   | 11.0            | 11.6        | Complied |

**Results: 802.11n / 20 MHz / MIMO / 2Tx TXBF / BPSK / MCS0**

| Channel | Frequency (MHz) | Core 1        |                                   |                          | Core 2        |                                   |                          |
|---------|-----------------|---------------|-----------------------------------|--------------------------|---------------|-----------------------------------|--------------------------|
|         |                 | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm /MHz) | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm /MHz) |
| Bottom  | 5260            | 6.5           | 0.1                               | 6.6                      | 5.9           | 0.1                               | 6.0                      |
| Middle  | 5280            | 5.8           | 0.1                               | 5.9                      | 5.3           | 0.1                               | 5.4                      |
| Top     | 5320            | 5.9           | 0.1                               | 6.0                      | 6.0           | 0.1                               | 6.1                      |

| Channel | Frequency (MHz) | Corrected PSD Core 1 (dBm/MHz) | Corrected PSD Core 2 (dBm/MHz) | Combined PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|-----------------|--------------------------------|--------------------------------|------------------------|-----------------|-------------|----------|
| Bottom  | 5260            | 6.6                            | 6.0                            | 9.3                    | 10.1            | 0.8         | Complied |
| Middle  | 5280            | 5.9                            | 5.4                            | 8.7                    | 10.1            | 1.4         | Complied |
| Top     | 5320            | 6.0                            | 6.1                            | 9.1                    | 10.1            | 1.0         | Complied |

**Transmitter Maximum Power Spectral Density (5.25-5.35 GHz band) (continued)****Results: 802.11n / 40 MHz / MIMO / 2Tx TXBF / BPSK / MCS0**

| Channel | Frequency (MHz) | Core 1        |                                   |                          | Core 2        |                                   |                          |
|---------|-----------------|---------------|-----------------------------------|--------------------------|---------------|-----------------------------------|--------------------------|
|         |                 | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm /MHz) | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm /MHz) |
| Bottom  | 5270            | 3.2           | 0.1                               | 3.3                      | 3.2           | 0.1                               | 3.3                      |
| Top     | 5310            | -1.1          | 0.1                               | -1.0                     | -1.8          | 0.1                               | -1.7                     |

| Channel | Frequency (MHz) | Corrected PSD Core 1 (dBm/MHz) | Corrected PSD Core 2 (dBm/MHz) | Combined PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|-----------------|--------------------------------|--------------------------------|------------------------|-----------------|-------------|----------|
| Bottom  | 5270            | 3.3                            | 3.3                            | 6.3                    | 10.1            | 3.8         | Complied |
| Top     | 5310            | -1.0                           | -1.7                           | 1.7                    | 10.1            | 8.4         | Complied |

**Results: 802.11ac / 80 MHz / MIMO / 2Tx TXBF / BPSK / MCS0x1**

| Channel | Frequency (MHz) | Core 1        |                                   |                          | Core 2        |                                   |                          |
|---------|-----------------|---------------|-----------------------------------|--------------------------|---------------|-----------------------------------|--------------------------|
|         |                 | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm /MHz) | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm /MHz) |
| Single  | 5290            | -5.6          | 0.1                               | -5.5                     | -5.1          | 0.1                               | -5.0                     |

| Channel | Frequency (MHz) | Corrected PSD Core 1 (dBm/MHz) | Corrected PSD Core 2 (dBm/MHz) | Combined PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|-----------------|--------------------------------|--------------------------------|------------------------|-----------------|-------------|----------|
| Single  | 5290            | -5.5                           | -5.0                           | -2.2                   | 10.1            | 12.3        | Complied |

**Results: 802.11n / 20 MHz / MIMO / 3Tx CDD / BPSK / MCS0**

| Channel | Frequency (MHz) | PSD Core 0 (dBm/MHz) | PSD Core 1 (dBm/MHz) | PSD Core 2 (dBm/MHz) | Combined PSD (dBm/MHz) |
|---------|-----------------|----------------------|----------------------|----------------------|------------------------|
| Bottom  | 5260            | 2.8                  | 2.6                  | 2.4                  | 7.1                    |
| Middle  | 5280            | 2.6                  | 2.8                  | 2.4                  | 7.1                    |
| Top     | 5320            | 3.0                  | 3.2                  | 2.6                  | 7.4                    |

| Channel | Frequency (MHz) | Combined PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|-----------------|------------------------|-----------------|-------------|----------|
| Bottom  | 5260            | 7.1                    | 9.1             | 2.0         | Complied |
| Middle  | 5280            | 7.1                    | 9.1             | 2.0         | Complied |
| Top     | 5320            | 7.4                    | 9.1             | 1.7         | Complied |

**Transmitter Maximum Power Spectral Density (5.25-5.35 GHz band) (continued)****Results: 802.11n / 40 MHz / MIMO / 3Tx CDD / BPSK / MCS0**

| Channel | Frequency (MHz) | Core 0        |                                   |                         | Core 1        |                                   |                         |
|---------|-----------------|---------------|-----------------------------------|-------------------------|---------------|-----------------------------------|-------------------------|
|         |                 | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm/MHz) | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm/MHz) |
| Bottom  | 5270            | 2.6           | 0.1                               | 2.7                     | 2.5           | 0.1                               | 2.6                     |
| Top     | 5310            | -1.1          | 0.1                               | -1.0                    | -0.4          | 0.1                               | -0.3                    |

| Channel | Frequency (MHz) | Core 2        |                                   |                          | Core 0, Core 1 & Core 2         |                                 |                                 |
|---------|-----------------|---------------|-----------------------------------|--------------------------|---------------------------------|---------------------------------|---------------------------------|
|         |                 | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm /MHz) | Corrected PSD Core 0 (dBm /MHz) | Corrected PSD Core 1 (dBm /MHz) | Corrected PSD Core 2 (dBm /MHz) |
| Bottom  | 5270            | 2.4           | 0.1                               | 2.5                      | 2.7                             | 2.6                             | 2.5                             |
| Top     | 5310            | -0.9          | 0.1                               | -0.8                     | -1.0                            | -0.3                            | -0.8                            |

| Channel | Frequency (MHz) | Combined PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|-----------------|------------------------|-----------------|-------------|----------|
| Bottom  | 5270            | 7.2                    | 9.1             | 1.9         | Complied |
| Top     | 5310            | 3.8                    | 9.1             | 5.3         | Complied |

**Results: 802.11ac / 80 MHz / MIMO / 3Tx CDD / BPSK / MCS0**

| Channel | Frequency (MHz) | Core 0        |                                   |                         | Core 1        |                                   |                         |
|---------|-----------------|---------------|-----------------------------------|-------------------------|---------------|-----------------------------------|-------------------------|
|         |                 | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm/MHz) | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm/MHz) |
| Single  | 5290            | -4.6          | 0.2                               | -4.4                    | -4.0          | 0.2                               | -3.8                    |

| Channel | Frequency (MHz) | Core 2        |                                   |                          | Core 0, Core 1 & Core 2         |                                 |                                 |
|---------|-----------------|---------------|-----------------------------------|--------------------------|---------------------------------|---------------------------------|---------------------------------|
|         |                 | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm /MHz) | Corrected PSD Core 0 (dBm /MHz) | Corrected PSD Core 1 (dBm /MHz) | Corrected PSD Core 2 (dBm /MHz) |
| Single  | 5290            | -4.3          | 0.2                               | -4.1                     | -4.4                            | -3.8                            | -4.1                            |

| Channel | Frequency (MHz) | Combined PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|-----------------|------------------------|-----------------|-------------|----------|
| Single  | 5290            | 0.4                    | 9.1             | 8.7         | Complied |

**Transmitter Maximum Power Spectral Density (5.25-5.35 GHz band) (continued)****Results: 802.11n / 20 MHz / MIMO / 3Tx SDM / BPSK / MCS16**

| Channel | Frequency (MHz) | PSD Core 0 (dBm/MHz) | PSD Core 1 (dBm/MHz) | PSD Core 2 (dBm/MHz) | Combined PSD (dBm/MHz) |
|---------|-----------------|----------------------|----------------------|----------------------|------------------------|
| Bottom  | 5260            | 4.8                  | 4.7                  | 4.1                  | 9.0                    |
| Middle  | 5280            | 4.6                  | 4.9                  | 4.2                  | 9.0                    |
| Top     | 5320            | 3.8                  | 4.1                  | 3.7                  | 8.5                    |

| Channel | Frequency (MHz) | Combined PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|-----------------|------------------------|-----------------|-------------|----------|
| Bottom  | 5260            | 9.0                    | 11.0            | 2.0         | Complied |
| Middle  | 5280            | 9.0                    | 11.0            | 2.0         | Complied |
| Top     | 5320            | 8.5                    | 11.0            | 2.5         | Complied |

**Results: 802.11n / 40 MHz / MIMO / 3Tx SDM / BPSK / MCS16**

| Channel | Frequency (MHz) | Core 0        |                                   |                         | Core 1        |                                   |                         |
|---------|-----------------|---------------|-----------------------------------|-------------------------|---------------|-----------------------------------|-------------------------|
|         |                 | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm/MHz) | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm/MHz) |
| Bottom  | 5270            | 3.7           | 0.1                               | 3.8                     | 4.1           | 0.1                               | 4.2                     |
| Top     | 5310            | -1.1          | 0.1                               | -1.0                    | -0.3          | 0.1                               | -0.2                    |

| Channel | Frequency (MHz) | Core 2        |                                   |                          | Core 0, Core 1 & Core 2         |                                 |                                 |
|---------|-----------------|---------------|-----------------------------------|--------------------------|---------------------------------|---------------------------------|---------------------------------|
|         |                 | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm /MHz) | Corrected PSD Core 0 (dBm /MHz) | Corrected PSD Core 1 (dBm /MHz) | Corrected PSD Core 2 (dBm /MHz) |
| Bottom  | 5270            | 3.3           | 0.1                               | 3.4                      | 3.8                             | 4.2                             | 3.4                             |
| Top     | 5310            | -0.8          | 0.1                               | -0.7                     | -1.0                            | -0.2                            | -0.7                            |

| Channel | Frequency (MHz) | Combined PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|-----------------|------------------------|-----------------|-------------|----------|
| Bottom  | 5270            | 8.3                    | 11.0            | 2.7         | Complied |
| Top     | 5310            | 3.9                    | 11.0            | 7.1         | Complied |

**Transmitter Maximum Power Spectral Density (5.25-5.35 GHz band) (continued)****Results: 802.11ac / 80 MHz / MIMO / 3Tx SDM / BPSK / MCS0x3**

| Channel | Frequency (MHz) | Core 0        |                                   |                         | Core 1        |                                   |                         |
|---------|-----------------|---------------|-----------------------------------|-------------------------|---------------|-----------------------------------|-------------------------|
|         |                 | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm/MHz) | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm/MHz) |
| 58      | 5290            | -4.7          | 0.2                               | -4.5                    | -3.7          | 0.2                               | -3.5                    |

| Channel | Frequency (MHz) | Core 2        |                                   |                         | Core 0, Core 1 & Core 2         |                                 |                                 |
|---------|-----------------|---------------|-----------------------------------|-------------------------|---------------------------------|---------------------------------|---------------------------------|
|         |                 | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm/MHz) | Corrected PSD Core 0 (dBm /MHz) | Corrected PSD Core 1 (dBm /MHz) | Corrected PSD Core 2 (dBm /MHz) |
| 58      | 5290            | -4.3          | 0.2                               | -4.1                    | -4.5                            | -3.5                            | -4.1                            |

| Channel | Frequency (MHz) | Combined PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|-----------------|------------------------|-----------------|-------------|----------|
| 58      | 5290            | 0.4                    | 11.0            | 10.6        | Complied |

**Results: 802.11n / 20 MHz / MIMO / 3Tx TXBF / BPSK / MCS0**

| Channel | Frequency (MHz) | Core 0        |                                   |                          | Core 1        |                                   |                          |
|---------|-----------------|---------------|-----------------------------------|--------------------------|---------------|-----------------------------------|--------------------------|
|         |                 | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm /MHz) | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm /MHz) |
| Bottom  | 5260            | 2.1           | 0.1                               | 2.2                      | 2.7           | 0.1                               | 2.8                      |
| Middle  | 5280            | 3.2           | 0.1                               | 3.3                      | 2.8           | 0.1                               | 2.9                      |
| Top     | 5320            | -1.0          | 0.1                               | -0.9                     | 1.4           | 0.1                               | 1.5                      |

| Channel | Frequency (MHz) | Core 2        |                                   |                          | Core 0, Core 1 & Core 2         |                                 |                                 |
|---------|-----------------|---------------|-----------------------------------|--------------------------|---------------------------------|---------------------------------|---------------------------------|
|         |                 | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm /MHz) | Corrected PSD Core 0 (dBm /MHz) | Corrected PSD Core 1 (dBm /MHz) | Corrected PSD Core 2 (dBm /MHz) |
| Bottom  | 5260            | 1.6           | 0.1                               | 1.7                      | 2.2                             | 2.8                             | 1.7                             |
| Middle  | 5280            | 1.5           | 0.1                               | 1.6                      | 3.3                             | 2.9                             | 1.6                             |
| Top     | 5320            | 2.8           | 0.1                               | 2.9                      | -0.9                            | 1.5                             | 2.9                             |

| Channel | Frequency (MHz) | Combined PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|-----------------|------------------------|-----------------|-------------|----------|
| Bottom  | 5260            | 7.0                    | 9.1             | 2.1         | Complied |
| Middle  | 5280            | 7.4                    | 9.1             | 1.7         | Complied |
| Top     | 5320            | 6.2                    | 9.1             | 2.9         | Complied |

**Transmitter Maximum Power Spectral Density (5.25-5.35 GHz band) (continued)****Results: 802.11n / 40 MHz / MIMO / 3Tx TXBF / BPSK / MCS0**

| Channel | Frequency (MHz) | Core 0        |                                   |                          | Core 1        |                                   |                          |
|---------|-----------------|---------------|-----------------------------------|--------------------------|---------------|-----------------------------------|--------------------------|
|         |                 | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm /MHz) | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm /MHz) |
| Bottom  | 5270            | 1.3           | 0.1                               | 1.4                      | 1.7           | 0.1                               | 1.8                      |
| Top     | 5310            | -1.2          | 0.1                               | -1.1                     | -3.3          | 0.1                               | -3.2                     |

| Channel | Frequency (MHz) | Core 2        |                                   |                          | Core 0, Core 1 & Core 2         |                                 |                                 |
|---------|-----------------|---------------|-----------------------------------|--------------------------|---------------------------------|---------------------------------|---------------------------------|
|         |                 | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm /MHz) | Corrected PSD Core 0 (dBm /MHz) | Corrected PSD Core 1 (dBm /MHz) | Corrected PSD Core 2 (dBm /MHz) |
| Bottom  | 5270            | 0.4           | 0.1                               | 0.5                      | 1.4                             | 1.8                             | 0.5                             |
| Top     | 5310            | -2.1          | 0.1                               | -2.0                     | -1.1                            | -3.2                            | -2.0                            |

| Channel | Frequency (MHz) | Combined PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|-----------------|------------------------|-----------------|-------------|----------|
| Bottom  | 5270            | 6.0                    | 9.1             | 3.1         | Complied |
| Top     | 5310            | 2.8                    | 9.1             | 6.3         | Complied |

**Results: 802.11ac / 80 MHz / MIMO / 3Tx TXBF / BPSK / MCS0**

| Channel | Frequency (MHz) | Core 0        |                                   |                          | Core 1        |                                   |                          |
|---------|-----------------|---------------|-----------------------------------|--------------------------|---------------|-----------------------------------|--------------------------|
|         |                 | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm /MHz) | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm /MHz) |
| Top     | 5290            | -4.1          | 0.1                               | -4.0                     | -4.1          | 0.1                               | -4.0                     |

| Channel | Frequency (MHz) | Core 2        |                                   |                          | Core 0, Core 1 & Core 2         |                                 |                                 |
|---------|-----------------|---------------|-----------------------------------|--------------------------|---------------------------------|---------------------------------|---------------------------------|
|         |                 | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm /MHz) | Corrected PSD Core 0 (dBm /MHz) | Corrected PSD Core 1 (dBm /MHz) | Corrected PSD Core 2 (dBm /MHz) |
| Top     | 5290            | -6.1          | 0.1                               | -6.0                     | -4.0                            | -4.0                            | -6.0                            |

| Channel | Frequency (MHz) | Combined PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|-----------------|------------------------|-----------------|-------------|----------|
| Top     | 5290            | 0.2                    | 9.1             | 8.9         | Complied |

**Transmitter Maximum Power Spectral Density (5.47-5.725 GHz band)****4.5.3. 5.47-5.725 GHz band****Test Summary:**

|                                    |                                               |                    |                                      |
|------------------------------------|-----------------------------------------------|--------------------|--------------------------------------|
| <b>Test Engineers:</b>             | Max Passell, Victor Carmon & Matthew Botfield | <b>Test Dates:</b> | 07 November 2018 to 30 November 2018 |
| <b>Test Sample Serial Numbers:</b> | C02X2007KFLX & C02WW00WKFMM                   |                    |                                      |

|                          |                                                                  |
|--------------------------|------------------------------------------------------------------|
| <b>FCC Reference:</b>    | Part 15.407(a)(2)                                                |
| <b>Test Method Used:</b> | KDB 789033 D02 Section II.F. referencing II.E.2.b) and II.E.2.d) |

**Environmental Conditions:**

|                               |          |
|-------------------------------|----------|
| <b>Temperature (°C):</b>      | 22 to 24 |
| <b>Relative Humidity (%):</b> | 42 to 52 |

**Transmitter Maximum Power Spectral Density (5.47-5.725 GHz band) (continued)****Note(s):**

1. Transmitter Maximum Power Spectral Density tests in all bands were performed using a signal analyser in accordance with KDB 789033 II. F referencing II.E.2.b) Method SA-1 and II.E.2.d) Method SA-2.
2. Measurements were performed using configurations detailed in Section 3.5 of this test report on the relevant channels.
3. For data rates where the EUT was transmitting at <98% duty cycle, the calculated duty cycle in Section 4.1 was added to the measured maximum power spectral density in order to compute the average maximum power spectral density during the actual transmission time.
4. FCC Part 15.407(a)(2) limit for PSD in the 5.47-5.725 GHz band is <11 dBm/MHz.
5. For MIMO CDD and MIMO SDM modes, PSD was measured on both ports and then combined using the *measure and sum spectral maxima across the outputs* technique, stated in FCC KDB 662911 D01 Section E)2)a).
6. For MIMO TxBF modes, PSD was measured on both ports and then combined using the *measure and sum spectral maxima across the outputs* technique, stated in FCC KDB 662911 D01 Section E)2)b).
7. For SISO and MIMO SDM modes of operation, the antenna gain is < 6 dBi.
8. For 2Tx CDD and 2 Tx TxBF modes of operation presented in this section of the test report, the EUT has a directional antenna gain of 6.9 dBi. In accordance with Part 15.407(a)(2), the limit was reduced by the amount in dB the antenna gain exceeds 6 dBi. Therefore the limit of 11.0 dBm has been reduced by 0.9 dB to 10.1 dBm.
9. For 3Tx CDD and 3Tx TxBF modes of operation presented in this section of the test report, the EUT has a directional antenna gain of 8.1 dBi. In accordance with Part 15.407(a)(2), the limit was reduced by the amount in dB the antenna gain exceeds 6 dBi. Therefore the limit of 11.0 dBm has been reduced by 2.1 dB to 8.9 dBm.
10. For details on antenna gains refer to Section 3.4 of this test report.
11. The signal analyser was connected to the RF port on the EUT using an RF switch, suitable attenuation and RF cable. An RF level offset was entered on the signal analyser to compensate for the loss of the attenuator and RF cable.
12. As the power spectral density test uses the same test method as the output power test, before the power is integrated across the 26 dB bandwidth, the conducted power spectral density plots are located in the conducted output power section 4.4 of this test report. The peak spectral density was measured by placing a marker on the peak of the signal and the results entered in the tables below.
13. The EUT with serial number C02X2007KFLX was used for non-TxBF tests, the EUT with serial C02WW00WKFMM number was used for TxBF tests.

**Transmitter Maximum Power Spectral Density (5.47-5.725 GHz band) (continued)****Results: 802.11a / 20 MHz / SISO / BPSK / 6 Mbps / Core 2**

| Channel | Frequency (MHz) | PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|-----------------|---------------|-----------------|-------------|----------|
| Bottom  | 5500            | 4.1           | 11.0            | 6.9         | Complied |
| Middle  | 5580            | 9.2           | 11.0            | 1.8         | Complied |
| Top     | 5700            | 3.3           | 11.0            | 7.7         | Complied |

**Results: 802.11n / 20 MHz / SISO / BPSK / MCS0 / Core 2**

| Channel | Frequency (MHz) | PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|-----------------|---------------|-----------------|-------------|----------|
| Bottom  | 5500            | 3.6           | 11.0            | 7.4         | Complied |
| Middle  | 5580            | 9.1           | 11.0            | 1.9         | Complied |
| Top     | 5700            | 3.0           | 11.0            | 8.0         | Complied |

**Results: 802.11n / 40 MHz / SISO / BPSK / MCS0 / Core 2**

| Channel | Frequency (MHz) | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|-----------------|---------------|-----------------------------------|-------------------------|-----------------|-------------|----------|
| Bottom  | 5510            | -0.9          | 0.1                               | -0.8                    | 11.0            | 11.8        | Complied |
| Middle  | 5590            | 7.5           | 0.1                               | 7.6                     | 11.0            | 3.4         | Complied |
| Top     | 5670            | 1.7           | 0.1                               | 1.8                     | 11.0            | 9.2         | Complied |

**Results: 802.11ac / 80 MHz / SISO / BPSK / MCS0 / Core 2**

| Channel | Frequency (MHz) | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|-----------------|---------------|-----------------------------------|-------------------------|-----------------|-------------|----------|
| Bottom  | 5530            | -4.0          | 0.2                               | -3.8                    | 11.0            | 14.8        | Complied |
| Top     | 5610            | 0.4           | 0.2                               | 0.6                     | 11.0            | 10.4        | Complied |

**Results: 802.11n / 20 MHz / MIMO / 2Tx CDD / BPSK / MCS0**

| Channel | Frequency (MHz) | PSD Core 0 (dBm/MHz) | PSD Core 2 (dBm/MHz) | Combined PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|-----------------|----------------------|----------------------|------------------------|-----------------|-------------|----------|
| Bottom  | 5500            | 2.3                  | 2.2                  | 5.2                    | 10.1            | 4.9         | Complied |
| Middle  | 5580            | 5.3                  | 4.4                  | 7.7                    | 10.1            | 2.4         | Complied |
| Top     | 5700            | 1.7                  | 0.8                  | 4.2                    | 10.1            | 5.9         | Complied |

**Transmitter Maximum Power Spectral Density (5.47-5.725 GHz band) (continued)****Results: 802.11n / 40 MHz / MIMO / 2Tx CDD / BPSK / MCS0**

| Channel | Frequency (MHz) | Core 0        |                                   |                          | Core 2        |                                   |                          |
|---------|-----------------|---------------|-----------------------------------|--------------------------|---------------|-----------------------------------|--------------------------|
|         |                 | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm /MHz) | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm /MHz) |
| Bottom  | 5510            | -2.6          | 0.1                               | -2.5                     | -1.9          | 0.1                               | -1.8                     |
| Middle  | 5590            | 5.4           | 0.1                               | 5.5                      | 4.6           | 0.1                               | 4.7                      |
| Top     | 5670            | 1.4           | 0.1                               | 1.5                      | 1.0           | 0.1                               | 1.1                      |

| Channel | Frequency (MHz) | Corrected PSD Core 0 (dBm/MHz) | Corrected PSD Core 2 (dBm/MHz) | Combined PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|-----------------|--------------------------------|--------------------------------|------------------------|-----------------|-------------|----------|
| Bottom  | 5510            | -2.5                           | -1.8                           | 0.7                    | 10.1            | 9.4         | Complied |
| Middle  | 5590            | 5.5                            | 4.7                            | 8.0                    | 10.1            | 2.1         | Complied |
| Top     | 5670            | 1.5                            | 1.1                            | 4.1                    | 10.1            | 6.0         | Complied |

**Results: 802.11ac / 80 MHz / MIMO / 2Tx CDD / BPSK / MCS0x1**

| Channel | Frequency (MHz) | Core 0        |                                   |                          | Core 2        |                                   |                          |
|---------|-----------------|---------------|-----------------------------------|--------------------------|---------------|-----------------------------------|--------------------------|
|         |                 | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm /MHz) | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm /MHz) |
| Bottom  | 5530            | -5.0          | 0.2                               | -4.8                     | -5.8          | 0.2                               | -5.6                     |
| Top     | 5610            | -1.4          | 0.2                               | -1.2                     | -2.7          | 0.2                               | -2.5                     |

| Channel | Frequency (MHz) | Corrected PSD Core 0 (dBm/MHz) | Corrected PSD Core 2 (dBm/MHz) | Combined PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|-----------------|--------------------------------|--------------------------------|------------------------|-----------------|-------------|----------|
| Bottom  | 5530            | -4.8                           | -5.6                           | -2.3                   | 10.1            | 12.4        | Complied |
| Top     | 5610            | -1.2                           | -2.5                           | 1.0                    | 10.1            | 9.1         | Complied |

**Results: 802.11n / 20 MHz / MIMO / 2Tx SDM / BPSK / MCS8**

| Channel | Frequency (MHz) | PSD Core 0 (dBm/MHz) | PSD Core 2 (dBm/MHz) | Combined PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|-----------------|----------------------|----------------------|------------------------|-----------------|-------------|----------|
| Bottom  | 5500            | 2.4                  | 2.8                  | 5.5                    | 11.0            | 5.5         | Complied |
| Middle  | 5580            | 6.1                  | 5.3                  | 8.6                    | 11.0            | 2.4         | Complied |
| Top     | 5700            | 1.6                  | 0.5                  | 3.8                    | 11.0            | 7.2         | Complied |

**Transmitter Maximum Power Spectral Density (5.47-5.725 GHz band) (continued)****Results: 802.11n / 40 MHz / MIMO / 2Tx SDM / BPSK / MCS8**

| Channel | Frequency (MHz) | Core 0        |                                   |                          | Core 2        |                                   |                          |
|---------|-----------------|---------------|-----------------------------------|--------------------------|---------------|-----------------------------------|--------------------------|
|         |                 | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm /MHz) | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm /MHz) |
| Bottom  | 5510            | -2.5          | 0.1                               | -2.4                     | -1.9          | 0.1                               | -1.8                     |
| Middle  | 5590            | 5.4           | 0.1                               | 5.5                      | 4.5           | 0.1                               | 4.6                      |
| Top     | 5670            | 1.1           | 0.1                               | 1.2                      | 0.9           | 0.1                               | 1.0                      |

| Channel | Frequency (MHz) | Corrected PSD Core 0 (dBm/MHz) | Corrected PSD Core 2 (dBm/MHz) | Combined PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|-----------------|--------------------------------|--------------------------------|------------------------|-----------------|-------------|----------|
| Bottom  | 5510            | -2.4                           | -1.8                           | 0.7                    | 11.0            | 10.3        | Complied |
| Middle  | 5590            | 5.5                            | 4.6                            | 7.9                    | 11.0            | 3.1         | Complied |
| Top     | 5670            | 1.2                            | 1.0                            | 3.9                    | 11.0            | 7.1         | Complied |

**Results: 802.11ac / 80 MHz / MIMO / 2Tx SDM / BPSK / MCS0x2**

| Channel | Frequency (MHz) | Core 0        |                                   |                          | Core 2        |                                   |                          |
|---------|-----------------|---------------|-----------------------------------|--------------------------|---------------|-----------------------------------|--------------------------|
|         |                 | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm /MHz) | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm /MHz) |
| Bottom  | 5530            | -5.0          | 0.2                               | -4.8                     | -5.8          | 0.2                               | -5.6                     |
| Top     | 5610            | -1.5          | 0.2                               | -1.3                     | -2.5          | 0.2                               | -2.3                     |

| Channel | Frequency (MHz) | Corrected PSD Core 0 (dBm/MHz) | Corrected PSD Core 2 (dBm/MHz) | Combined PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|-----------------|--------------------------------|--------------------------------|------------------------|-----------------|-------------|----------|
| Bottom  | 5530            | -4.8                           | -5.6                           | -2.2                   | 11.0            | 13.2        | Complied |
| Top     | 5610            | -1.3                           | -2.3                           | 1.0                    | 11.0            | 10.0        | Complied |

**Transmitter Maximum Power Spectral Density (5.47-5.725 GHz band) (continued)****Results: 802.11n / 20 MHz / MIMO / 2Tx TXBF / BPSK / MCS0**

| Channel | Frequency (MHz) | Core 0        |                                   |                          | Core 2        |                                   |                          |
|---------|-----------------|---------------|-----------------------------------|--------------------------|---------------|-----------------------------------|--------------------------|
|         |                 | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm /MHz) | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm /MHz) |
| Bottom  | 5500            | 3.0           | 0.1                               | 3.1                      | 2.7           | 0.1                               | 2.8                      |
| Middle  | 5580            | 6.0           | 0.1                               | 6.1                      | 6.4           | 0.1                               | 6.5                      |
| Top     | 5700            | 1.0           | 0.1                               | 1.1                      | 0.3           | 0.1                               | 0.4                      |

| Channel | Frequency (MHz) | Corrected PSD Core 0 (dBm/MHz) | Corrected PSD Core 2 (dBm/MHz) | Combined PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|-----------------|--------------------------------|--------------------------------|------------------------|-----------------|-------------|----------|
| Bottom  | 5500            | 3.1                            | 2.8                            | 6.0                    | 10.1            | 4.1         | Complied |
| Middle  | 5580            | 6.1                            | 6.5                            | 9.3                    | 10.1            | 0.8         | Complied |
| Top     | 5700            | 1.1                            | 0.4                            | 3.8                    | 10.1            | 6.3         | Complied |

**Results: 802.11n / 40 MHz / MIMO / 2Tx TXBF / BPSK / MCS0**

| Channel | Frequency (MHz) | Core 0        |                                   |                          | Core 2        |                                   |                          |
|---------|-----------------|---------------|-----------------------------------|--------------------------|---------------|-----------------------------------|--------------------------|
|         |                 | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm /MHz) | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm /MHz) |
| Bottom  | 5510            | -3.4          | 0.1                               | -3.3                     | -4.6          | 0.1                               | -4.5                     |
| Middle  | 5590            | 3.0           | 0.1                               | 3.1                      | 2.8           | 0.1                               | 2.9                      |
| Top     | 5670            | -1.5          | 0.1                               | -1.4                     | -3.6          | 0.1                               | -3.5                     |

| Channel | Frequency (MHz) | Corrected PSD Core 0 (dBm/MHz) | Corrected PSD Core 2 (dBm/MHz) | Combined PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|-----------------|--------------------------------|--------------------------------|------------------------|-----------------|-------------|----------|
| Bottom  | 5510            | -3.3                           | -4.5                           | -0.8                   | 10.1            | 10.9        | Complied |
| Middle  | 5590            | 3.1                            | 2.9                            | 6.0                    | 10.1            | 4.1         | Complied |
| Top     | 5670            | -1.4                           | -3.5                           | 0.7                    | 10.1            | 9.4         | Complied |

**Transmitter Maximum Power Spectral Density (5.47-5.725 GHz band) (continued)****Results: 802.11ac / 80 MHz / MIMO / 2Tx TXBF / BPSK / MCS0x1**

| Channel | Frequency (MHz) | Core 0        |                                   |                          | Core 2        |                                   |                          |
|---------|-----------------|---------------|-----------------------------------|--------------------------|---------------|-----------------------------------|--------------------------|
|         |                 | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm /MHz) | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm /MHz) |
| Bottom  | 5530            | -6.7          | 0.1                               | -6.6                     | -7.0          | 0.1                               | -6.9                     |
| Top     | 5610            | -3.5          | 0.1                               | -3.4                     | -3.5          | 0.1                               | -3.4                     |

| Channel | Frequency (MHz) | Corrected PSD Core 0 (dBm/MHz) | Corrected PSD Core 2 (dBm/MHz) | Combined PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|-----------------|--------------------------------|--------------------------------|------------------------|-----------------|-------------|----------|
| Bottom  | 5530            | -6.6                           | -6.9                           | -3.7                   | 10.1            | 13.8        | Complied |
| Top     | 5610            | -3.4                           | -3.4                           | -0.4                   | 10.1            | 10.5        | Complied |

**Results: 802.11n / 20 MHz / MIMO / 3Tx CDD / BPSK / MCS0**

| Channel | Frequency (MHz) | PSD Core 0 (dBm/MHz) | PSD Core 1 (dBm/MHz) | PSD Core 2 (dBm/MHz) | Combined PSD (dBm/MHz) |
|---------|-----------------|----------------------|----------------------|----------------------|------------------------|
| Bottom  | 5500            | 2.1                  | 2.7                  | 2.0                  | 6.8                    |
| Middle  | 5580            | 2.1                  | 2.5                  | 0.9                  | 6.3                    |
| Top     | 5700            | 1.5                  | 1.6                  | 0.8                  | 5.7                    |

| Channel | Frequency (MHz) | Combined PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|-----------------|------------------------|-----------------|-------------|----------|
| Bottom  | 5500            | 6.8                    | 8.9             | 2.1         | Complied |
| Middle  | 5580            | 6.3                    | 8.9             | 2.6         | Complied |
| Top     | 5700            | 5.7                    | 8.9             | 3.2         | Complied |

**Transmitter Maximum Power Spectral Density (5.47-5.725 GHz band) (continued)****Results: 802.11n / 40 MHz / MIMO / 3Tx CDD / BPSK / MCS0**

| Channel | Frequency (MHz) | Core 0        |                                   |                         | Core 1        |                                   |                         |
|---------|-----------------|---------------|-----------------------------------|-------------------------|---------------|-----------------------------------|-------------------------|
|         |                 | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm/MHz) | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm/MHz) |
| Bottom  | 5510            | -2.6          | 0.1                               | -2.5                    | -2.2          | 0.1                               | -2.1                    |
| Middle  | 5590            | 1.9           | 0.1                               | 2.0                     | 2.9           | 0.1                               | 3.0                     |
| Top     | 5670            | 0.9           | 0.1                               | 1.0                     | 1.0           | 0.1                               | 1.1                     |

| Channel | Frequency (MHz) | Core 2        |                                   |                          | Core 0, Core 1 & Core 2         |                                 |                                 |
|---------|-----------------|---------------|-----------------------------------|--------------------------|---------------------------------|---------------------------------|---------------------------------|
|         |                 | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm /MHz) | Corrected PSD Core 0 (dBm /MHz) | Corrected PSD Core 1 (dBm /MHz) | Corrected PSD Core 2 (dBm /MHz) |
| Bottom  | 5510            | -2.4          | 0.1                               | -2.3                     | -2.5                            | -2.1                            | -2.3                            |
| Middle  | 5590            | 1.9           | 0.1                               | 2.0                      | 2.0                             | 3.0                             | 2.0                             |
| Top     | 5670            | 0.4           | 0.1                               | 0.5                      | 1.0                             | 1.1                             | 0.5                             |

| Channel | Frequency (MHz) | Combined PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|-----------------|------------------------|-----------------|-------------|----------|
| Bottom  | 5510            | 2.4                    | 8.9             | 6.5         | Complied |
| Middle  | 5590            | 6.9                    | 8.9             | 2.0         | Complied |
| Top     | 5670            | 5.4                    | 8.9             | 3.5         | Complied |

**Results: 802.11ac / 80 MHz / MIMO / 3Tx CDD / BPSK / MCS0**

| Channel | Frequency (MHz) | Core 0        |                                   |                         | Core 1        |                                   |                         |
|---------|-----------------|---------------|-----------------------------------|-------------------------|---------------|-----------------------------------|-------------------------|
|         |                 | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm/MHz) | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm/MHz) |
| Bottom  | 5530            | -5.9          | 0.2                               | -5.7                    | -5.5          | 0.2                               | -5.3                    |
| Top     | 5610            | -1.7          | 0.2                               | -1.5                    | -1.2          | 0.2                               | -1.0                    |

| Channel | Frequency (MHz) | Core 2        |                                   |                         | Core 0, Core 1 & Core 2         |                                 |                                 |
|---------|-----------------|---------------|-----------------------------------|-------------------------|---------------------------------|---------------------------------|---------------------------------|
|         |                 | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm/MHz) | Corrected PSD Core 0 (dBm /MHz) | Corrected PSD Core 1 (dBm /MHz) | Corrected PSD Core 2 (dBm /MHz) |
| Bottom  | 5530            | -7.2          | 0.2                               | -7.0                    | -5.7                            | -5.3                            | -7.0                            |
| Top     | 5610            | -2.7          | 0.2                               | -2.5                    | -1.5                            | -1.0                            | -2.5                            |

| Channel | Frequency (MHz) | Combined PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|-----------------|------------------------|-----------------|-------------|----------|
| Bottom  | 5530            | -1.3                   | 8.9             | 10.2        | Complied |
| Top     | 5610            | 2.9                    | 8.9             | 6.0         | Complied |

**Transmitter Maximum Power Spectral Density (5.47-5.725 GHz band) (continued)****Results: 802.11n / 20 MHz / MIMO / 3Tx SDM / BPSK / MCS16**

| Channel | Frequency (MHz) | PSD Core 0 (dBm/MHz) | PSD Core 1 (dBm/MHz) | PSD Core 2 (dBm/MHz) | Combined PSD (dBm/MHz) |
|---------|-----------------|----------------------|----------------------|----------------------|------------------------|
| Bottom  | 5500            | 3.0                  | 3.4                  | 2.9                  | 7.6                    |
| Middle  | 5580            | 4.4                  | 4.8                  | 3.5                  | 8.8                    |
| Top     | 5700            | 1.8                  | 1.8                  | 1.0                  | 6.1                    |

| Channel | Frequency (MHz) | Combined PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|-----------------|------------------------|-----------------|-------------|----------|
| Bottom  | 5500            | 7.6                    | 11.0            | 3.4         | Complied |
| Middle  | 5580            | 8.8                    | 11.0            | 2.2         | Complied |
| Top     | 5700            | 6.1                    | 11.0            | 4.9         | Complied |

**Results: 802.11n / 40 MHz / MIMO / 3Tx SDM / BPSK / MCS16**

| Channel | Frequency (MHz) | Core 0        |                                   |                         | Core 1        |                                   |                         |
|---------|-----------------|---------------|-----------------------------------|-------------------------|---------------|-----------------------------------|-------------------------|
|         |                 | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm/MHz) | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm/MHz) |
| Bottom  | 5510            | -2.4          | 0.1                               | -2.3                    | -2.0          | 0.1                               | -1.9                    |
| Middle  | 5590            | 3.4           | 0.1                               | 3.5                     | 3.9           | 0.1                               | 4.0                     |
| Top     | 5670            | 0.8           | 0.1                               | 0.9                     | 0.9           | 0.1                               | 1.0                     |

| Channel | Frequency (MHz) | Core 2        |                                   |                          | Core 0, Core 1 & Core 2         |                                 |                                 |
|---------|-----------------|---------------|-----------------------------------|--------------------------|---------------------------------|---------------------------------|---------------------------------|
|         |                 | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm /MHz) | Corrected PSD Core 0 (dBm /MHz) | Corrected PSD Core 1 (dBm /MHz) | Corrected PSD Core 2 (dBm /MHz) |
| Bottom  | 5510            | -2.0          | 0.1                               | -1.9                     | -2.3                            | -1.9                            | -1.9                            |
| Middle  | 5590            | 2.9           | 0.1                               | 3.0                      | 3.5                             | 4.0                             | 3.0                             |
| Top     | 5670            | 0.6           | 0.1                               | 0.7                      | 0.9                             | 1.0                             | 0.7                             |

| Channel | Frequency (MHz) | Combined PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|-----------------|------------------------|-----------------|-------------|----------|
| Bottom  | 5510            | 2.6                    | 11.0            | 8.4         | Complied |
| Middle  | 5590            | 8.1                    | 11.0            | 2.9         | Complied |
| Top     | 5670            | 5.4                    | 11.0            | 5.6         | Complied |

**Transmitter Maximum Power Spectral Density (5.47-5.725 GHz band) (continued)****Results: 802.11ac / 80 MHz / MIMO / 3Tx SDM / BPSK / MCS0x3**

| Channel | Frequency (MHz) | Core 0        |                                   |                         | Core 1        |                                   |                         |
|---------|-----------------|---------------|-----------------------------------|-------------------------|---------------|-----------------------------------|-------------------------|
|         |                 | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm/MHz) | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm/MHz) |
| Bottom  | 5530            | -5.7          | 0.2                               | -5.5                    | -4.8          | 0.2                               | -4.6                    |
| Top     | 5610            | -1.5          | 0.2                               | -1.3                    | -0.9          | 0.2                               | -0.7                    |

| Channel | Frequency (MHz) | Core 2        |                                   |                         | Core 0, Core 1 & Core 2         |                                 |                                 |
|---------|-----------------|---------------|-----------------------------------|-------------------------|---------------------------------|---------------------------------|---------------------------------|
|         |                 | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm/MHz) | Corrected PSD Core 0 (dBm /MHz) | Corrected PSD Core 1 (dBm /MHz) | Corrected PSD Core 2 (dBm /MHz) |
| Bottom  | 5530            | -6.4          | 0.2                               | -6.2                    | -5.5                            | -4.6                            | -6.2                            |
| Top     | 5610            | -2.6          | 0.2                               | -2.4                    | -1.3                            | -0.7                            | -2.4                            |

| Channel | Frequency (MHz) | Combined PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|-----------------|------------------------|-----------------|-------------|----------|
| Bottom  | 5530            | -1.0                   | 11.0            | 12.0        | Complied |
| Top     | 5610            | 2.9                    | 11.0            | 8.1         | Complied |

**Results: 802.11n / 20 MHz / MIMO / 3Tx TXBF / BPSK / MCS0**

| Channel | Frequency (MHz) | Core 0        |                                   |                         | Core 1        |                                   |                         |
|---------|-----------------|---------------|-----------------------------------|-------------------------|---------------|-----------------------------------|-------------------------|
|         |                 | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm/MHz) | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm/MHz) |
| Bottom  | 5500            | 3.0           | 0.1                               | 3.1                     | 2.6           | 0.1                               | 2.7                     |
| Middle  | 5580            | 3.0           | 0.1                               | 3.1                     | 3.2           | 0.1                               | 3.3                     |
| Top     | 5700            | 0.3           | 0.1                               | 0.4                     | 0.9           | 0.1                               | 1.0                     |

| Channel | Frequency (MHz) | Core 2        |                                   |                          | Core 0, Core 1 & Core 2         |                                 |                                 |
|---------|-----------------|---------------|-----------------------------------|--------------------------|---------------------------------|---------------------------------|---------------------------------|
|         |                 | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm /MHz) | Corrected PSD Core 0 (dBm /MHz) | Corrected PSD Core 1 (dBm /MHz) | Corrected PSD Core 2 (dBm /MHz) |
| Bottom  | 5500            | 1.6           | 0.1                               | 1.7                      | 3.1                             | 2.7                             | 1.7                             |
| Middle  | 5580            | 2.9           | 0.1                               | 3.0                      | 3.1                             | 3.3                             | 3.0                             |
| Top     | 5700            | -0.4          | 0.1                               | -0.3                     | 0.4                             | 1.0                             | -0.3                            |

| Channel | Frequency (MHz) | Combined PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|-----------------|------------------------|-----------------|-------------|----------|
| Bottom  | 5500            | 7.3                    | 8.9             | 1.6         | Complied |
| Middle  | 5580            | 7.9                    | 8.9             | 1.0         | Complied |
| Top     | 5700            | 5.2                    | 8.9             | 3.7         | Complied |

**Transmitter Maximum Power Spectral Density (5.47-5.725 GHz band) (continued)****Results: 802.11n / 40 MHz / MIMO / 3Tx TXBF / BPSK / MCS0**

| Channel | Frequency (MHz) | Core 0        |                                   |                         | Core 1        |                                   |                         |
|---------|-----------------|---------------|-----------------------------------|-------------------------|---------------|-----------------------------------|-------------------------|
|         |                 | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm/MHz) | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm/MHz) |
| Bottom  | 5510            | -3.4          | 0.1                               | -3.3                    | -3.5          | 0.1                               | -3.4                    |
| Middle  | 5590            | 1.0           | 0.1                               | 1.1                     | 1.1           | 0.1                               | 1.2                     |
| Top     | 5670            | -2.0          | 0.1                               | -1.9                    | -1.9          | 0.1                               | -1.8                    |

| Channel | Frequency (MHz) | Core 2        |                                   |                          | Core 0, Core 1 & Core 2         |                                 |                                 |
|---------|-----------------|---------------|-----------------------------------|--------------------------|---------------------------------|---------------------------------|---------------------------------|
|         |                 | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm /MHz) | Corrected PSD Core 0 (dBm /MHz) | Corrected PSD Core 1 (dBm /MHz) | Corrected PSD Core 2 (dBm /MHz) |
| Bottom  | 5510            | -5.2          | 0.1                               | -5.1                     | -3.3                            | -3.4                            | -5.1                            |
| Middle  | 5590            | 0.2           | 0.1                               | 0.3                      | 1.1                             | 1.2                             | 0.3                             |
| Top     | 5670            | -2.6          | 0.1                               | -2.5                     | -1.9                            | -1.8                            | -2.5                            |

| Channel | Frequency (MHz) | Combined PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|-----------------|------------------------|-----------------|-------------|----------|
| Bottom  | 5510            | 0.9                    | 8.9             | 8.0         | Complied |
| Middle  | 5590            | 5.7                    | 8.9             | 3.2         | Complied |
| Top     | 5670            | 2.7                    | 8.9             | 6.2         | Complied |

**Results: 802.11ac / 80 MHz / MIMO / 3Tx TXBF / BPSK / MCS0**

| Channel | Frequency (MHz) | Core 0        |                                   |                         | Core 1        |                                   |                         |
|---------|-----------------|---------------|-----------------------------------|-------------------------|---------------|-----------------------------------|-------------------------|
|         |                 | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm/MHz) | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm/MHz) |
| Bottom  | 5530            | -7.6          | 0.1                               | -7.5                    | -7.6          | 0.1                               | -7.5                    |
| Top     | 5610            | -3.6          | 0.1                               | -3.5                    | -4.1          | 0.1                               | -4.0                    |

| Channel | Frequency (MHz) | Core 2        |                                   |                         | Core 0, Core 1 & Core 2         |                                 |                                 |
|---------|-----------------|---------------|-----------------------------------|-------------------------|---------------------------------|---------------------------------|---------------------------------|
|         |                 | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm/MHz) | Corrected PSD Core 0 (dBm /MHz) | Corrected PSD Core 1 (dBm /MHz) | Corrected PSD Core 2 (dBm /MHz) |
| Bottom  | 5530            | -8.7          | 0.1                               | -8.6                    | -7.5                            | -7.5                            | -8.6                            |
| Top     | 5610            | -4.3          | 0.1                               | -4.2                    | -3.5                            | -4.0                            | -4.2                            |

| Channel | Frequency (MHz) | Combined PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|-----------------|------------------------|-----------------|-------------|----------|
| Bottom  | 5530            | -3.1                   | 8.9             | 12.0        | Complied |
| Top     | 5610            | 0.9                    | 8.9             | 8.0         | Complied |

**Transmitter Maximum Power Spectral Density (Straddle channels)****4.5.4. Channels that straddle the U-NII-2C and U-NII-3 bands****Test Summary:**

|                                    |                                               |                    |                                      |
|------------------------------------|-----------------------------------------------|--------------------|--------------------------------------|
| <b>Test Engineers:</b>             | Max Passell, Victor Carmon & Matthew Botfield | <b>Test Dates:</b> | 07 November 2018 to 30 November 2018 |
| <b>Test Sample Serial Numbers:</b> | C02X2007KFLX & C02WW00WKFMM                   |                    |                                      |

|                          |                                                                  |
|--------------------------|------------------------------------------------------------------|
| <b>FCC Reference:</b>    | Part 15.407(a)(2)                                                |
| <b>Test Method Used:</b> | KDB 789033 D02 Section II.F. referencing II.E.2.b) and II.E.2.d) |

**Environmental Conditions:**

|                               |          |
|-------------------------------|----------|
| <b>Temperature (°C):</b>      | 22 to 24 |
| <b>Relative Humidity (%):</b> | 42 to 52 |

**Transmitter Maximum Power Spectral Density (Straddle channels) (continued)****Note(s):**

1. Channels that straddle the U-NII-2C and U-NII-3 bands at 5725 MHz, need to meet requirements of both U-NII bands. Due to maximum power spectral density limit being more stringent on U-NII-2C, compliance is shown against the limits of U-NII-2C. By default the EUT also complied on U-NII-3.
2. Transmitter Maximum Power Spectral Density tests in all bands were performed using a signal analyser in accordance with KDB 789033 II. F referencing II.E.2.b) Method SA-1 and II.E.2.d) Method SA-2.
3. Measurements were performed using configurations detailed in Section 3.5 of this test report on the relevant channels.
4. For data rates where the EUT was transmitting at <98% duty cycle, the calculated duty cycle in Section 4.1 was added to the measured maximum power spectral density in order to compute the average maximum power spectral density during the actual transmission time.
5. FCC Part 15.407(a)(2) limit for PPSD in the 5.47-5.725 GHz band is <11 dBm/MHz.
6. For MIMO CDD and MIMO SDM modes, PSD was measured on both ports and then combined using the *measure and sum spectral maxima across the outputs* technique, stated in FCC KDB 662911 D01 Section E)2)a).
7. For MIMO TxBF modes, PSD was measured on both ports and then combined using the *measure and sum spectral maxima across the outputs* technique, stated in FCC KDB 662911 D01 Section E)2)b).
8. For SISO and MIMO SDM modes of operation, the antenna gain is < 6 dBi.
9. For 2Tx CDD and 2 Tx TxBF modes of operation presented in this section of the test report, the EUT has a directional antenna gain of 6.9 dBi. In accordance with Part 15.407(a)(2), the limit was reduced by the amount in dB the antenna gain exceeds 6 dBi. Therefore the limit of 11.0 dBm has been reduced by 0.9 dB to 10.1 dBm.
10. For 3Tx CDD and 3Tx TxBF modes of operation presented in this section of the test report, the EUT has a directional antenna gain of 8.1 dBi. In accordance with Part 15.407(a)(2), the limit was reduced by the amount in dB the antenna gain exceeds 6 dBi. Therefore the limit of 11.0 dBm has been reduced by 2.1 dB to 8.9 dBm.
11. For details on antenna gains refer to Section 3.4 of this test report.
12. The signal analyser was connected to the RF port on the EUT using an RF switch, suitable attenuation and RF cable. An RF level offset was entered on the signal analyser to compensate for the loss of the attenuator and RF cable.
13. As the power spectral density test uses the same test method as the output power test, before the power is integrated across the 26 dB bandwidth, the conducted power spectral density plots are located in the conducted output power section 4.4 of this test report. The peak spectral density was measured by placing a marker on the peak of the signal and the results entered in the tables below.
14. The EUT with serial number C02X2007KFLX was used for non-TxBF tests, the EUT with serial C02WW00WKFMM number was used for TxBF tests.

**Transmitter Maximum Power Spectral Density (Straddle channels) (continued)****Results: 802.11a / 20 MHz / SISO / BPSK / 6 Mbps / Core 2**

| Channel | Frequency (MHz) | PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|-----------------|---------------|-----------------|-------------|----------|
| Single  | 5720            | 9.2           | 11.0            | 1.8         | Complied |

**Results: 802.11n / 20 MHz / SISO / BPSK / MCS0 / Core 2**

| Channel | Frequency (MHz) | PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|-----------------|---------------|-----------------|-------------|----------|
| Single  | 5720            | 8.9           | 11.0            | 2.1         | Complied |

**Results: 802.11n / 40 MHz / SISO / BPSK / MCS0 / Core 2**

| Channel | Frequency (MHz) | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|-----------------|---------------|-----------------------------------|-------------------------|-----------------|-------------|----------|
| Single  | 5710            | 7.5           | 0.1                               | 7.6                     | 11.0            | 3.4         | Complied |

**Results: 802.11ac / 80 MHz / SISO / BPSK / MCS0 / Core 2**

| Channel | Frequency (MHz) | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|-----------------|---------------|-----------------------------------|-------------------------|-----------------|-------------|----------|
| Single  | 5690            | 0.6           | 0.2                               | 0.8                     | 11.0            | 10.2        | Complied |

**Results: 802.11n / 20 MHz / MIMO / 2Tx CDD / BPSK / MCS0**

| Channel | Frequency (MHz) | PSD Core 0 (dBm/MHz) | PSD Core 2 (dBm/MHz) | Combined PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|-----------------|----------------------|----------------------|------------------------|-----------------|-------------|----------|
| Single  | 5720            | 5.2                  | 4.8                  | 7.9                    | 10.1            | 2.2         | Complied |

**Transmitter Maximum Power Spectral Density (Straddle channels) (continued)****Results: 802.11n / 40 MHz / MIMO / 2Tx CDD / BPSK / MCS0**

| Channel | Frequency (MHz) | Core 0        |                                   |                          | Core 2        |                                   |                          |
|---------|-----------------|---------------|-----------------------------------|--------------------------|---------------|-----------------------------------|--------------------------|
|         |                 | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm /MHz) | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm /MHz) |
| Single  | 5710            | 5.5           | 0.1                               | 5.6                      | 4.9           | 0.1                               | 5.0                      |

| Channel | Frequency (MHz) | Corrected PSD Core 0 (dBm/MHz) | Corrected PSD Core 2 (dBm/MHz) | Combined PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|-----------------|--------------------------------|--------------------------------|------------------------|-----------------|-------------|----------|
| Single  | 5710            | 5.6                            | 5.0                            | 8.1                    | 10.1            | 2.0         | Complied |

**Results: 802.11ac / 80 MHz / MIMO / 2Tx CDD / BPSK / MCS0x1**

| Channel | Frequency (MHz) | Core 0        |                                   |                          | Core 2        |                                   |                          |
|---------|-----------------|---------------|-----------------------------------|--------------------------|---------------|-----------------------------------|--------------------------|
|         |                 | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm /MHz) | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm /MHz) |
| Single  | 5690            | 0.6           | 0.2                               | 0.8                      | -0.3          | 0.2                               | -0.1                     |

| Channel | Frequency (MHz) | Corrected PSD Core 0 (dBm/MHz) | Corrected PSD Core 2 (dBm/MHz) | Combined PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|-----------------|--------------------------------|--------------------------------|------------------------|-----------------|-------------|----------|
| Single  | 5690            | 0.8                            | -0.1                           | 3.1                    | 10.1            | 7.0         | Complied |

**Results: 802.11n / 20 MHz / MIMO / 2Tx SDM / BPSK / MCS8**

| Channel | Frequency (MHz) | PSD Core 0 (dBm/MHz) | PSD Core 2 (dBm/MHz) | Combined PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|-----------------|----------------------|----------------------|------------------------|-----------------|-------------|----------|
| Single  | 5720            | 6.5                  | 5.6                  | 8.9                    | 11.0            | 2.1         | Complied |

**Results: 802.11n / 40 MHz / MIMO / 2Tx SDM / BPSK / MCS8**

| Channel | Frequency (MHz) | Core 0        |                                   |                          | Core 2        |                                   |                          |
|---------|-----------------|---------------|-----------------------------------|--------------------------|---------------|-----------------------------------|--------------------------|
|         |                 | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm /MHz) | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm /MHz) |
| Single  | 5710            | 5.4           | 0.1                               | 5.5                      | 5.1           | 0.1                               | 5.2                      |

| Channel | Frequency (MHz) | Corrected PSD Core 0 (dBm/MHz) | Corrected PSD Core 2 (dBm/MHz) | Combined PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|-----------------|--------------------------------|--------------------------------|------------------------|-----------------|-------------|----------|
| Single  | 5710            | 5.5                            | 5.2                            | 8.1                    | 11.0            | 2.9         | Complied |

**Transmitter Maximum Power Spectral Density (Straddle channels) (continued)****Results: 802.11ac / 80 MHz / MIMO / 2Tx SDM / BPSK / MCS0x2**

| Channel | Frequency (MHz) | Core 0        |                                   |                          | Core 2        |                                   |                          |
|---------|-----------------|---------------|-----------------------------------|--------------------------|---------------|-----------------------------------|--------------------------|
|         |                 | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm /MHz) | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm /MHz) |
| Single  | 5690            | 0.4           | 0.2                               | 0.6                      | -0.5          | 0.2                               | -0.3                     |

| Channel | Frequency (MHz) | Corrected PSD Core 0 (dBm/MHz) | Corrected PSD Core 2 (dBm/MHz) | Combined PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|-----------------|--------------------------------|--------------------------------|------------------------|-----------------|-------------|----------|
| Single  | 5690            | 0.6                            | -0.3                           | 3.0                    | 11.0            | 8.0         | Complied |

**Results: 802.11n / 20 MHz / MIMO / 2Tx TXBF / BPSK / MCS0**

| Channel | Frequency (MHz) | Core 0        |                                   |                          | Core 2        |                                   |                          |
|---------|-----------------|---------------|-----------------------------------|--------------------------|---------------|-----------------------------------|--------------------------|
|         |                 | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm /MHz) | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm /MHz) |
| Single  | 5720            | 5.7           | 0.1                               | 5.8                      | 4.9           | 0.1                               | 5.0                      |

| Channel | Frequency (MHz) | Corrected PSD Core 0 (dBm/MHz) | Corrected PSD Core 2 (dBm/MHz) | Combined PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|-----------------|--------------------------------|--------------------------------|------------------------|-----------------|-------------|----------|
| Single  | 5720            | 5.8                            | 5.0                            | 8.4                    | 10.1            | 1.7         | Complied |

**Results: 802.11n / 40 MHz / MIMO / 2Tx TXBF / BPSK / MCS0**

| Channel | Frequency (MHz) | Core 0        |                                   |                          | Core 2        |                                   |                          |
|---------|-----------------|---------------|-----------------------------------|--------------------------|---------------|-----------------------------------|--------------------------|
|         |                 | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm /MHz) | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm /MHz) |
| Single  | 5710            | 3.5           | 0.1                               | 3.6                      | 2.5           | 0.1                               | 2.6                      |

| Channel | Frequency (MHz) | Corrected PSD Core 0 (dBm/MHz) | Corrected PSD Core 2 (dBm/MHz) | Combined PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|-----------------|--------------------------------|--------------------------------|------------------------|-----------------|-------------|----------|
| Single  | 5710            | 3.6                            | 2.6                            | 6.1                    | 10.1            | 4.0         | Complied |

**Transmitter Maximum Power Spectral Density (Straddle channels) (continued)****Results: 802.11ac / 80 MHz / MIMO / 2Tx TXBF / BPSK / MCS0x1**

| Channel | Frequency (MHz) | Core 0        |                                   |                          | Core 2        |                                   |                          |
|---------|-----------------|---------------|-----------------------------------|--------------------------|---------------|-----------------------------------|--------------------------|
|         |                 | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm /MHz) | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm /MHz) |
| Single  | 5690            | -0.3          | 0.1                               | -0.2                     | -1.6          | 0.1                               | -1.5                     |

| Channel | Frequency (MHz) | Corrected PSD Core 0 (dBm/MHz) | Corrected PSD Core 2 (dBm/MHz) | Combined PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|-----------------|--------------------------------|--------------------------------|------------------------|-----------------|-------------|----------|
| Single  | 5690            | -0.2                           | -1.5                           | 2.2                    | 10.1            | 7.9         | Complied |

**Results: 802.11n / 20 MHz / MIMO / 3Tx CDD / BPSK / MCS0**

| Channel | Frequency (MHz) | PSD Core 0 (dBm/MHz) | PSD Core 1 (dBm/MHz) | PSD Core 2 (dBm/MHz) | Combined PSD (dBm/MHz) |
|---------|-----------------|----------------------|----------------------|----------------------|------------------------|
| Single  | 5720            | 2.1                  | 2.4                  | 1.7                  | 6.6                    |

| Channel | Frequency (MHz) | Combined PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|-----------------|------------------------|-----------------|-------------|----------|
| Single  | 5720            | 6.6                    | 8.9             | 2.3         | Complied |

**Results: 802.11n / 40 MHz / MIMO / 3Tx CDD / BPSK / MCS0**

| Channel | Frequency (MHz) | Core 0        |                                   |                         | Core 1        |                                   |                         |
|---------|-----------------|---------------|-----------------------------------|-------------------------|---------------|-----------------------------------|-------------------------|
|         |                 | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm/MHz) | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm/MHz) |
| Single  | 5710            | 2.2           | 0.1                               | 2.3                     | 2.5           | 0.1                               | 2.6                     |

| Channel | Frequency (MHz) | Core 2        |                                   |                         | Core 0, Core 1 & Core 2         |                                 |                                 |
|---------|-----------------|---------------|-----------------------------------|-------------------------|---------------------------------|---------------------------------|---------------------------------|
|         |                 | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm/MHz) | Corrected PSD Core 0 (dBm /MHz) | Corrected PSD Core 1 (dBm /MHz) | Corrected PSD Core 2 (dBm /MHz) |
| Single  | 5710            | 1.8           | 0.1                               | 1.9                     | 2.3                             | 2.6                             | 1.9                             |

| Channel | Frequency (MHz) | Combined PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|-----------------|------------------------|-----------------|-------------|----------|
| Single  | 5710            | 6.8                    | 8.9             | 2.1         | Complied |

**Transmitter Maximum Power Spectral Density (Straddle channels) (continued)****Results: 802.11ac / 80 MHz / MIMO / 3Tx CDD / BPSK / MCS0**

| Channel | Frequency (MHz) | Core 0        |                                   |                         | Core 1        |                                   |                         |
|---------|-----------------|---------------|-----------------------------------|-------------------------|---------------|-----------------------------------|-------------------------|
|         |                 | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm/MHz) | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm/MHz) |
| Single  | 5690            | 0.5           | 0.2                               | 0.7                     | 0.3           | 0.2                               | 0.5                     |

| Channel | Frequency (MHz) | Core 2        |                                   |                         | Core 0, Core 1 & Core 2         |                                 |                                 |
|---------|-----------------|---------------|-----------------------------------|-------------------------|---------------------------------|---------------------------------|---------------------------------|
|         |                 | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm/MHz) | Corrected PSD Core 0 (dBm /MHz) | Corrected PSD Core 1 (dBm /MHz) | Corrected PSD Core 2 (dBm /MHz) |
| Single  | 5690            | -0.2          | 0.2                               | 0.0                     | 0.7                             | 0.5                             | 0.0                             |

| Channel | Frequency (MHz) | Combined PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|-----------------|------------------------|-----------------|-------------|----------|
| Single  | 5690            | 4.8                    | 8.9             | 4.1         | Complied |

**Results: 802.11n / 20 MHz / MIMO / 3Tx SDM / BPSK / MCS16**

| Channel | Frequency (MHz) | PSD Core 0 (dBm/MHz) | PSD Core 1 (dBm/MHz) | PSD Core 2 (dBm/MHz) | Combined PSD (dBm/MHz) |
|---------|-----------------|----------------------|----------------------|----------------------|------------------------|
| Single  | 5720            | 4.2                  | 4.6                  | 3.8                  | 8.8                    |

| Channel | Frequency (MHz) | Combined PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|-----------------|------------------------|-----------------|-------------|----------|
| Single  | 5720            | 8.8                    | 11.0            | 2.2         | Complied |

**Results: 802.11n / 40 MHz / MIMO / 3Tx SDM / BPSK / MCS16**

| Channel | Frequency (MHz) | Core 0        |                                   |                         | Core 1        |                                   |                         |
|---------|-----------------|---------------|-----------------------------------|-------------------------|---------------|-----------------------------------|-------------------------|
|         |                 | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm/MHz) | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm/MHz) |
| Single  | 5710            | 3.5           | 0.1                               | 3.6                     | 3.9           | 0.1                               | 4.0                     |

| Channel | Frequency (MHz) | Core 2        |                                   |                         | Core 0, Core 1 & Core 2         |                                 |                                 |
|---------|-----------------|---------------|-----------------------------------|-------------------------|---------------------------------|---------------------------------|---------------------------------|
|         |                 | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm/MHz) | Corrected PSD Core 0 (dBm /MHz) | Corrected PSD Core 1 (dBm /MHz) | Corrected PSD Core 2 (dBm /MHz) |
| Single  | 5710            | 3.3           | 0.1                               | 3.4                     | 3.6                             | 4.0                             | 3.4                             |

| Channel | Frequency (MHz) | Combined PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|-----------------|------------------------|-----------------|-------------|----------|
| Single  | 5710            | 8.1                    | 11.0            | 2.9         | Complied |

**Transmitter Maximum Power Spectral Density (Straddle channels) (continued)****Results: 802.11ac / 80 MHz / MIMO / 3Tx SDM / BPSK / MCS0x3**

| Channel | Frequency (MHz) | Core 0        |                                   |                         | Core 1        |                                   |                         |
|---------|-----------------|---------------|-----------------------------------|-------------------------|---------------|-----------------------------------|-------------------------|
|         |                 | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm/MHz) | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm/MHz) |
| Single  | 5690            | 0.5           | 0.2                               | 0.7                     | 0.8           | 0.2                               | 1.0                     |

| Channel | Frequency (MHz) | Core 2        |                                   |                         | Core 0, Core 1 & Core 2         |                                 |                                 |
|---------|-----------------|---------------|-----------------------------------|-------------------------|---------------------------------|---------------------------------|---------------------------------|
|         |                 | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm/MHz) | Corrected PSD Core 0 (dBm /MHz) | Corrected PSD Core 1 (dBm /MHz) | Corrected PSD Core 2 (dBm /MHz) |
| Single  | 5690            | 0.2           | 0.2                               | 0.4                     | 0.7                             | 1.0                             | 0.4                             |

| Channel | Frequency (MHz) | Combined PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|-----------------|------------------------|-----------------|-------------|----------|
| Single  | 5690            | 5.3                    | 11.0            | 5.7         | Complied |

**Results: 802.11n / 20 MHz / MIMO / 3Tx TXBF / BPSK / MCS0**

| Channel | Frequency (MHz) | Core 0        |                                   |                         | Core 1        |                                   |                         |
|---------|-----------------|---------------|-----------------------------------|-------------------------|---------------|-----------------------------------|-------------------------|
|         |                 | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm/MHz) | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm/MHz) |
| Single  | 5720            | 2.6           | 0.1                               | 2.7                     | 2.9           | 0.1                               | 3.0                     |

| Channel | Frequency (MHz) | Core 2        |                                   |                         | Core 0, Core 1 & Core 2         |                                 |                                 |
|---------|-----------------|---------------|-----------------------------------|-------------------------|---------------------------------|---------------------------------|---------------------------------|
|         |                 | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm/MHz) | Corrected PSD Core 0 (dBm /MHz) | Corrected PSD Core 1 (dBm /MHz) | Corrected PSD Core 2 (dBm /MHz) |
| Single  | 5720            | 1.8           | 0.1                               | 1.9                     | 2.7                             | 3.0                             | 1.9                             |

| Channel | Frequency (MHz) | Combined PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|-----------------|------------------------|-----------------|-------------|----------|
| Single  | 5720            | 7.3                    | 8.9             | 1.6         | Complied |

**Transmitter Maximum Power Spectral Density (Straddle channels) (continued)****Results: 802.11n / 40 MHz / MIMO / 3Tx TXBF / BPSK / MCS0**

| Channel | Frequency (MHz) | Core 0        |                                   |                         | Core 1        |                                   |                         |
|---------|-----------------|---------------|-----------------------------------|-------------------------|---------------|-----------------------------------|-------------------------|
|         |                 | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm/MHz) | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm/MHz) |
| Single  | 5710            | 0.2           | 0.1                               | 0.3                     | 0.1           | 0.1                               | 0.2                     |

| Channel | Frequency (MHz) | Core 2        |                                   |                         | Core 0, Core 1 & Core 2         |                                 |                                 |
|---------|-----------------|---------------|-----------------------------------|-------------------------|---------------------------------|---------------------------------|---------------------------------|
|         |                 | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm/MHz) | Corrected PSD Core 0 (dBm /MHz) | Corrected PSD Core 1 (dBm /MHz) | Corrected PSD Core 2 (dBm /MHz) |
| Single  | 5710            | -1.9          | 0.1                               | -1.8                    | 0.3                             | 0.2                             | -1.8                            |

| Channel | Frequency (MHz) | Combined PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|-----------------|------------------------|-----------------|-------------|----------|
| Single  | 5720            | 4.4                    | 8.9             | 4.5         | Complied |

**Results: 802.11ac / 80 MHz / MIMO / 3Tx TXBF / BPSK / MCS0**

| Channel | Frequency (MHz) | Core 0        |                                   |                         | Core 1        |                                   |                         |
|---------|-----------------|---------------|-----------------------------------|-------------------------|---------------|-----------------------------------|-------------------------|
|         |                 | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm/MHz) | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm/MHz) |
| Single  | 5690            | -2.1          | 0.1                               | -2.0                    | -2.5          | 0.1                               | -2.4                    |

| Channel | Frequency (MHz) | Core 2        |                                   |                         | Core 0, Core 1 & Core 2         |                                 |                                 |
|---------|-----------------|---------------|-----------------------------------|-------------------------|---------------------------------|---------------------------------|---------------------------------|
|         |                 | PSD (dBm/MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm/MHz) | Corrected PSD Core 0 (dBm /MHz) | Corrected PSD Core 1 (dBm /MHz) | Corrected PSD Core 2 (dBm /MHz) |
| Single  | 5690            | -4.2          | 0.1                               | -4.1                    | -2.0                            | -2.4                            | -4.1                            |

| Channel | Frequency (MHz) | Combined PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|-----------------|------------------------|-----------------|-------------|----------|
| Single  | 5690            | 2.0                    | 8.9             | 6.9         | Complied |

**Transmitter Maximum Power Spectral Density (5.725-5.85 GHz band)****4.5.5. 5.725-5.85 GHz band****Test Summary:**

|                                    |                                               |                    |                                      |
|------------------------------------|-----------------------------------------------|--------------------|--------------------------------------|
| <b>Test Engineers:</b>             | Max Passell, Victor Carmon & Matthew Botfield | <b>Test Dates:</b> | 07 November 2018 to 30 November 2018 |
| <b>Test Sample Serial Numbers:</b> | C02X2007KFLX & C02WW00WKFMM                   |                    |                                      |

|                          |                                                                  |
|--------------------------|------------------------------------------------------------------|
| <b>FCC Reference:</b>    | Part 15.407(a)(3)                                                |
| <b>Test Method Used:</b> | KDB 789033 D02 Section II.F. referencing II.E.2.b) and II.E.2.d) |

**Environmental Conditions:**

|                               |          |
|-------------------------------|----------|
| <b>Temperature (°C):</b>      | 22 to 24 |
| <b>Relative Humidity (%):</b> | 42 to 52 |

**Transmitter Maximum Power Spectral Density (5.725-5.85 GHz band) (continued)****Note(s):**

1. Transmitter Maximum Power Spectral Density tests in all bands were performed using a signal analyser in accordance with KDB 789033 II. F referencing II.E.2.b) Method SA-1 and II.E.2.d) Method SA-2.
2. Measurements were performed using configurations detailed in Section 3.5 of this test report on the relevant channels.
3. For data rates where the EUT was transmitting at <98% duty cycle, the calculated duty cycle in Section 4.1 was added to the measured maximum power spectral density in order to compute the average maximum power spectral density during the actual transmission time.
4. FCC Part 15.407(a)(3) limit for PPSD in the 5.725-5.85 GHz operating band is <30 dBm/500 kHz.
5. For MIMO CDD and MIMO SDM modes, PSD was measured on both ports and then combined using the *measure and sum spectral maxima across the outputs* technique, stated in FCC KDB 662911 D01 Section E)2)a).
6. For MIMO TxBF modes, PSD was measured on both ports and then combined using the *measure and sum spectral maxima across the outputs* technique, stated in FCC KDB 662911 D01 Section E)2)b).
7. In accordance with ANSI C63.10 Section 4.1.4.1, use of bandwidths greater than those specified can produce higher readings. Compliance against the applicable limits is shown using a 1 MHz resolution bandwidth. This was deemed worst case.
8. For SISO and MIMO SDM modes of operation, the antenna gain is < 6 dBi.
9. For 2Tx CDD and 2Tx TxBF modes of operation presented in this section of the test report, the EUT has a directional antenna gain of 7.1 dBi. In accordance with Part 15.407(a)(3), the limit was reduced by the amount in dB the antenna gain exceeds 6 dBi. Therefore the limit of 30 dBm/500 kHz has been reduced by 1.1 dB to 28.9 dBm.
10. For 3Tx CDD and 3Tx TxBF modes of operation presented in this section of the test report, the EUT has a directional antenna gain of 8.2 dBi. In accordance with Part 15.407(a)(3), the limit was reduced by the amount in dB the antenna gain exceeds 6 dBi. Therefore the limit of 30 dBm/500 kHz has been reduced by 2.2 dB to 27.8 dBm.
11. For details on antenna gains refer to Section 3.4 of this test report.
12. The signal analyser was connected to the RF port on the EUT using an RF switch, suitable attenuation and RF cable. An RF level offset was entered on the signal analyser to compensate for the loss of the attenuator and RF cable.
13. As the power spectral density test uses the same test method as the output power test, before the power is integrated across the 26 dB bandwidth, the conducted power spectral density plots are located in the conducted output power section 4.4 of this test report. The peak spectral density was measured by placing a marker on the peak of the signal and the results entered in the tables below.
14. The EUT with serial number C02X2007KFLX was used for non-TxBF tests, the EUT with serial C02WW00WKFMM number was used for TxBF tests.

**Transmitter Maximum Power Spectral Density (5.725-5.85 GHz band) (continued)****Results: 802.11a / 20 MHz / SISO / BPSK / 6 Mbps / Core 2**

| Channel | Frequency (MHz) | PSD (dBm / 1 MHz) | Limit (dBm / 500 kHz) | Margin (dB) | Result   |
|---------|-----------------|-------------------|-----------------------|-------------|----------|
| Bottom  | 5745            | 10.9              | 30.0                  | 19.1        | Complied |
| Middle  | 5785            | 10.7              | 30.0                  | 19.3        | Complied |
| Top     | 5825            | 11.2              | 30.0                  | 18.8        | Complied |

**Results: 802.11n / 20 MHz / SISO / BPSK / MCS0 / Core 2**

| Channel | Frequency (MHz) | PSD (dBm / 1 MHz) | Limit (dBm / 500 kHz) | Margin (dB) | Result   |
|---------|-----------------|-------------------|-----------------------|-------------|----------|
| Bottom  | 5745            | 10.9              | 30.0                  | 19.1        | Complied |
| Middle  | 5785            | 10.4              | 30.0                  | 19.6        | Complied |
| Top     | 5825            | 11.0              | 30.0                  | 19.0        | Complied |

**Results: 802.11n / 40 MHz / SISO / BPSK / MCS0 / Core 2**

| Channel | Frequency (MHz) | PSD (dBm / 1 MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm / 1 MHz) | Limit (dBm / 500 kHz) | Margin (dB) | Result   |
|---------|-----------------|-------------------|-----------------------------------|-----------------------------|-----------------------|-------------|----------|
| Bottom  | 5755            | 6.4               | 0.1                               | 6.5                         | 30.0                  | 23.5        | Complied |
| Top     | 5795            | 7.6               | 0.1                               | 7.7                         | 30.0                  | 22.3        | Complied |

**Results: 802.11ac / 80 MHz / SISO / BPSK / MCS0 / Core 2**

| Channel | Frequency (MHz) | PSD (dBm / 1 MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm / 1 MHz) | Limit (dBm / 500 kHz) | Margin (dB) | Result   |
|---------|-----------------|-------------------|-----------------------------------|-----------------------------|-----------------------|-------------|----------|
| Single  | 5775            | -1.6              | 0.2                               | -1.4                        | 30.0                  | 31.4        | Complied |

**Results: 802.11n / 20 MHz / MIMO / 2Tx CDD / BPSK / MCS0**

| Channel | Frequency (MHz) | PSD Core 0 (dBm / 1 MHz) | PSD Core 2 (dBm / 1 MHz) | Combined PSD (dBm / 1 MHz) | Limit (dBm / 500 kHz) | Margin (dB) | Result   |
|---------|-----------------|--------------------------|--------------------------|----------------------------|-----------------------|-------------|----------|
| Bottom  | 5745            | 11.0                     | 10.6                     | 13.6                       | 28.9                  | 15.3        | Complied |
| Middle  | 5785            | 10.2                     | 10.2                     | 13.0                       | 28.9                  | 15.9        | Complied |
| Top     | 5825            | 10.4                     | 9.9                      | 13.0                       | 28.9                  | 15.9        | Complied |

**Transmitter Maximum Power Spectral Density (5.725-5.85 GHz band) (continued)****Results: 802.11n / 40 MHz / MIMO / 2Tx CDD / BPSK / MCS0**

| Channel | Frequency (MHz) | Core 0            |                                   |                             | Core 2            |                                   |                             |
|---------|-----------------|-------------------|-----------------------------------|-----------------------------|-------------------|-----------------------------------|-----------------------------|
|         |                 | PSD (dBm / 1 MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm / 1 MHz) | PSD (dBm / 1 MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm / 1 MHz) |
| Bottom  | 5755            | 4.7               | 0.1                               | 4.8                         | 5.0               | 0.1                               | 5.1                         |
| Top     | 5795            | 6.4               | 0.1                               | 6.5                         | 7.0               | 0.1                               | 7.1                         |

| Channel | Frequency (MHz) | Corrected PSD Core 0 (dBm / 1 MHz) | Corrected PSD Core 2 (dBm / 1 MHz) | Combined PSD (dBm / 1 MHz) | Limit (dBm / 500 kHz) | Margin (dB) | Result   |
|---------|-----------------|------------------------------------|------------------------------------|----------------------------|-----------------------|-------------|----------|
| Bottom  | 5755            | 4.8                                | 5.1                                | 7.8                        | 28.9                  | 21.1        | Complied |
| Top     | 5795            | 6.5                                | 7.1                                | 9.4                        | 28.9                  | 19.5        | Complied |

**Results: 802.11ac / 80 MHz / MIMO / 2Tx CDD / BPSK / MCS0**

| Channel | Frequency (MHz) | Core 0            |                                   |                             | Core2             |                                   |                             |
|---------|-----------------|-------------------|-----------------------------------|-----------------------------|-------------------|-----------------------------------|-----------------------------|
|         |                 | PSD (dBm / 1 MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm / 1 MHz) | PSD (dBm / 1 MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm / 1 MHz) |
| Single  | 5775            | -1.6              | 0.2                               | -1.4                        | -1.5              | 0.2                               | -1.3                        |

| Channel | Frequency (MHz) | Corrected PSD Core 0 (dBm / 1 MHz) | Corrected PSD Core 2 (dBm / 1 MHz) | Combined PSD (dBm / 1 MHz) | Limit (dBm / 500 kHz) | Margin (dB) | Result   |
|---------|-----------------|------------------------------------|------------------------------------|----------------------------|-----------------------|-------------|----------|
| Single  | 5775            | -1.4                               | -1.3                               | 1.4                        | 28.9                  | 27.5        | Complied |

**Results: 802.11n / 20 MHz / MIMO / 2Tx SDM / BPSK / MCS8**

| Channel | Frequency (MHz) | PSD Core 0 (dBm / 1 MHz) | PSD Core 2 (dBm / 1 MHz) | Combined PSD (dBm / 1 MHz) | Limit (dBm / 500 kHz) | Margin (dB) | Result   |
|---------|-----------------|--------------------------|--------------------------|----------------------------|-----------------------|-------------|----------|
| Bottom  | 5745            | 10.8                     | 10.6                     | 13.6                       | 30.0                  | 16.4        | Complied |
| Middle  | 5785            | 10.4                     | 10.2                     | 13.1                       | 30.0                  | 16.9        | Complied |
| Top     | 5825            | 10.8                     | 10.3                     | 13.3                       | 30.0                  | 16.7        | Complied |

**Transmitter Maximum Power Spectral Density (5.725-5.85 GHz band) (continued)****Results: 802.11n / 40 MHz / MIMO / 2Tx SDM / BPSK / MCS8**

| Channel | Frequency (MHz) | Core 0            |                                   |                             | Core 2            |                                   |                             |
|---------|-----------------|-------------------|-----------------------------------|-----------------------------|-------------------|-----------------------------------|-----------------------------|
|         |                 | PSD (dBm / 1 MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm / 1 MHz) | PSD (dBm / 1 MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm / 1 MHz) |
| Bottom  | 5755            | 4.6               | 0.1                               | 4.7                         | 5.0               | 0.1                               | 5.1                         |
| Top     | 5795            | 6.3               | 0.1                               | 6.4                         | 6.6               | 0.1                               | 6.7                         |

| Channel | Frequency (MHz) | Corrected PSD Core 0 (dBm / 1 MHz) | Corrected PSD Core 2 (dBm / 1 MHz) | Combined PSD (dBm / 1 MHz) | Limit (dBm / 500 kHz) | Margin (dB) | Result   |
|---------|-----------------|------------------------------------|------------------------------------|----------------------------|-----------------------|-------------|----------|
| Bottom  | 5755            | 4.7                                | 5.1                                | 7.8                        | 30.0                  | 22.2        | Complied |
| Top     | 5795            | 6.4                                | 6.7                                | 9.4                        | 30.0                  | 20.6        | Complied |

**Results: 802.11ac / 80 MHz / MIMO / 2Tx SDM / BPSK / MCS0x2**

| Channel | Frequency (MHz) | Core 0            |                                   |                             | Core 2            |                                   |                             |
|---------|-----------------|-------------------|-----------------------------------|-----------------------------|-------------------|-----------------------------------|-----------------------------|
|         |                 | PSD (dBm / 1 MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm / 1 MHz) | PSD (dBm / 1 MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm / 1 MHz) |
| Single  | 5775            | -1.8              | 0.2                               | -1.6                        | -1.7              | 0.2                               | -1.5                        |

| Channel | Frequency (MHz) | Corrected PSD Core 0 (dBm / 1 MHz) | Corrected PSD Core 2 (dBm / 1 MHz) | Combined PSD (dBm / 1 MHz) | Limit (dBm / 500 kHz) | Margin (dB) | Result   |
|---------|-----------------|------------------------------------|------------------------------------|----------------------------|-----------------------|-------------|----------|
| Single  | 5775            | -1.6                               | -1.5                               | 1.2                        | 30.0                  | 28.8        | Complied |

**Transmitter Maximum Power Spectral Density (5.725-5.85 GHz band) (continued)****Results: 802.11n / 20 MHz / MIMO / 2Tx TXBF / BPSK / MCS0**

| Channel | Frequency (MHz) | Core 0            |                                   |                             | Core 2            |                                   |                             |
|---------|-----------------|-------------------|-----------------------------------|-----------------------------|-------------------|-----------------------------------|-----------------------------|
|         |                 | PSD (dBm / 1 MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm / 1 MHz) | PSD (dBm / 1 MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm / 1 MHz) |
| Bottom  | 5745            | 11.0              | 0.1                               | 11.1                        | 9.9               | 0.1                               | 10.0                        |
| Middle  | 5785            | 10.9              | 0.1                               | 11.0                        | 10.2              | 0.1                               | 10.3                        |
| Top     | 5825            | 10.9              | 0.1                               | 11.0                        | 9.4               | 0.1                               | 9.5                         |

| Channel | Frequency (MHz) | Corrected PSD Core 0 (dBm / 1 MHz) | Corrected PSD Core 2 (dBm / 1 MHz) | Combined PSD (dBm / 1 MHz) | Limit (dBm / 500 kHz) | Margin (dB) | Result   |
|---------|-----------------|------------------------------------|------------------------------------|----------------------------|-----------------------|-------------|----------|
| Bottom  | 5745            | 11.1                               | 10.0                               | 13.6                       | 28.9                  | 15.3        | Complied |
| Middle  | 5785            | 11.0                               | 10.3                               | 13.7                       | 28.9                  | 15.2        | Complied |
| Top     | 5825            | 11.0                               | 9.5                                | 13.3                       | 28.9                  | 15.6        | Complied |

**Results: 802.11n / 40 MHz / MIMO / 2Tx TXBF / BPSK / MCS0**

| Channel | Frequency (MHz) | Core 0            |                                   |                             | Core 2            |                                   |                             |
|---------|-----------------|-------------------|-----------------------------------|-----------------------------|-------------------|-----------------------------------|-----------------------------|
|         |                 | PSD (dBm / 1 MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm / 1 MHz) | PSD (dBm / 1 MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm / 1 MHz) |
| Bottom  | 5755            | 3.5               | 0.1                               | 3.6                         | 2.7               | 0.1                               | 2.8                         |
| Top     | 5795            | 4.9               | 0.1                               | 5.0                         | 3.7               | 0.1                               | 3.8                         |

| Channel | Frequency (MHz) | Corrected PSD Core 0 (dBm / 1 MHz) | Corrected PSD Core 2 (dBm / 1 MHz) | Combined PSD (dBm / 1 MHz) | Limit (dBm / 500 kHz) | Margin (dB) | Result   |
|---------|-----------------|------------------------------------|------------------------------------|----------------------------|-----------------------|-------------|----------|
| Bottom  | 5755            | 3.6                                | 2.8                                | 6.2                        | 28.9                  | 22.7        | Complied |
| Top     | 5795            | 5.0                                | 3.8                                | 7.5                        | 28.9                  | 21.4        | Complied |

**Transmitter Maximum Power Spectral Density (5.725-5.85 GHz band) (continued)****Results: 802.11ac / 80 MHz / MIMO / 2Tx TXBF / BPSK / MCS0**

| Channel | Frequency (MHz) | Core 0            |                                   |                             | Core 2            |                                   |                             |
|---------|-----------------|-------------------|-----------------------------------|-----------------------------|-------------------|-----------------------------------|-----------------------------|
|         |                 | PSD (dBm / 1 MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm / 1 MHz) | PSD (dBm / 1 MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm / 1 MHz) |
| Single  | 5775            | -3.7              | 0.1                               | -3.6                        | -3.2              | 0.1                               | -3.1                        |

| Channel | Frequency (MHz) | Corrected PSD Core 0 (dBm / 1 MHz) | Corrected PSD Core 2 (dBm / 1 MHz) | Combined PSD (dBm / 1 MHz) | Limit (dBm / 500 kHz) | Margin (dB) | Result   |
|---------|-----------------|------------------------------------|------------------------------------|----------------------------|-----------------------|-------------|----------|
| Single  | 5775            | -3.6                               | -3.1                               | -0.3                       | 28.9                  | 29.2        | Complied |

**Results: 802.11n / 20 MHz / MIMO / 3Tx CDD / BPSK / MCS0**

| Channel | Frequency (MHz) | PSD Core 0 (dBm / 1 MHz) | PSD Core 1 (dBm / 1 MHz) | PSD Core 2 (dBm / 1 MHz) | Combined PSD (dBm/MHz) |
|---------|-----------------|--------------------------|--------------------------|--------------------------|------------------------|
| Bottom  | 5745            | 10.9                     | 10.3                     | 9.7                      | 14.8                   |
| Middle  | 5785            | 10.3                     | 10.1                     | 9.7                      | 14.6                   |
| Top     | 5825            | 10.7                     | 10.3                     | 10.1                     | 14.9                   |

| Channel | Frequency (MHz) | Combined PSD (dBm / 1 MHz) | Limit (dBm / 500 kHz) | Margin (dB) | Result   |
|---------|-----------------|----------------------------|-----------------------|-------------|----------|
| Bottom  | 5745            | 14.8                       | 27.8                  | 13.0        | Complied |
| Middle  | 5785            | 14.6                       | 27.8                  | 13.2        | Complied |
| Top     | 5825            | 14.9                       | 27.8                  | 12.9        | Complied |

**Transmitter Maximum Power Spectral Density (5.725-5.85 GHz band) (continued)****Results: 802.11n / 40 MHz / MIMO / 3Tx CDD / BPSK / MCS0**

| Channel | Frequency (MHz) | Core 0            |                                   |                             | Core 1            |                                   |                             |
|---------|-----------------|-------------------|-----------------------------------|-----------------------------|-------------------|-----------------------------------|-----------------------------|
|         |                 | PSD (dBm / 1 MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm / 1 MHz) | PSD (dBm / 1 MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm / 1 MHz) |
| Bottom  | 5755            | 4.8               | 0.1                               | 4.9                         | 4.6               | 0.1                               | 4.7                         |
| Top     | 5795            | 6.3               | 0.1                               | 6.4                         | 6.4               | 0.1                               | 6.5                         |

| Channel | Frequency (MHz) | Core 2            |                                   |                             | Core 0, Core 1 & Core 2            |                                    |                                    |
|---------|-----------------|-------------------|-----------------------------------|-----------------------------|------------------------------------|------------------------------------|------------------------------------|
|         |                 | PSD (dBm / 1 MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm / 1 MHz) | Corrected PSD Core 0 (dBm / 1 MHz) | Corrected PSD Core 1 (dBm / 1 MHz) | Corrected PSD Core 2 (dBm / 1 MHz) |
| Bottom  | 5755            | 5.1               | 0.1                               | 5.2                         | 4.9                                | 4.7                                | 5.2                                |
| Top     | 5795            | 6.6               | 0.1                               | 6.7                         | 6.4                                | 6.5                                | 6.7                                |

| Channel | Frequency (MHz) | Combined PSD (dBm / 1 MHz) | Limit (dBm / 500 kHz) | Margin (dB) | Result   |
|---------|-----------------|----------------------------|-----------------------|-------------|----------|
| Bottom  | 5755            | 9.3                        | 27.8                  | 18.5        | Complied |
| Top     | 5795            | 11.0                       | 27.8                  | 16.8        | Complied |

**Results: 802.11ac / 80 MHz / MIMO / 3Tx CDD / BPSK / MCS0**

| Channel | Frequency (MHz) | Core 0            |                                   |                             | Core 1            |                                   |                             |
|---------|-----------------|-------------------|-----------------------------------|-----------------------------|-------------------|-----------------------------------|-----------------------------|
|         |                 | PSD (dBm / 1 MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm / 1 MHz) | PSD (dBm / 1 MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm / 1 MHz) |
| Single  | 5775            | -2.2              | 0.2                               | -2.0                        | -2.2              | 0.2                               | -2.0                        |

| Channel | Frequency (MHz) | Core 2            |                                   |                             | Core 0, Core 1 & Core 2            |                                    |                                    |
|---------|-----------------|-------------------|-----------------------------------|-----------------------------|------------------------------------|------------------------------------|------------------------------------|
|         |                 | PSD (dBm / 1 MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm / 1 MHz) | Corrected PSD Core 0 (dBm / 1 MHz) | Corrected PSD Core 1 (dBm / 1 MHz) | Corrected PSD Core 2 (dBm / 1 MHz) |
| Single  | 5775            | -1.7              | 0.2                               | -1.5                        | -2.0                               | -2.0                               | -1.5                               |

| Channel | Frequency (MHz) | Combined PSD (dBm / 1 MHz) | Limit (dBm / 500 kHz) | Margin (dB) | Result   |
|---------|-----------------|----------------------------|-----------------------|-------------|----------|
| Single  | 5775            | 2.6                        | 27.8                  | 25.2        | Complied |

**Transmitter Maximum Power Spectral Density (5.725-5.85 GHz band) (continued)****Results: 802.11n / 20 MHz / MIMO / 3Tx SDM / BPSK / MCS16**

| Channel | Frequency (MHz) | PSD Core 0 (dBm / 1 MHz) | PSD Core 1 (dBm / 1 MHz) | PSD Core 2 (dBm / 1 MHz) | Combined PSD (dBm/MHz) |
|---------|-----------------|--------------------------|--------------------------|--------------------------|------------------------|
| Bottom  | 5745            | 10.8                     | 10.7                     | 9.4                      | 14.8                   |
| Middle  | 5785            | 10.4                     | 10.2                     | 9.7                      | 14.5                   |
| Top     | 5825            | 10.9                     | 10.5                     | 10.0                     | 14.9                   |

| Channel | Frequency (MHz) | Combined PSD (dBm / 1 MHz) | Limit (dBm / 500 kHz) | Margin (dB) | Result   |
|---------|-----------------|----------------------------|-----------------------|-------------|----------|
| Bottom  | 5745            | 14.8                       | 30.0                  | 15.2        | Complied |
| Middle  | 5785            | 14.5                       | 30.0                  | 15.5        | Complied |
| Top     | 5825            | 14.9                       | 30.0                  | 15.1        | Complied |

**Results: 802.11n / 40 MHz / MIMO / 3Tx SDM / BPSK / MCS16**

| Channel | Frequency (MHz) | Core 0            |                                   |                             | Core 1            |                                   |                             |
|---------|-----------------|-------------------|-----------------------------------|-----------------------------|-------------------|-----------------------------------|-----------------------------|
|         |                 | PSD (dBm / 1 MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm / 1 MHz) | PSD (dBm / 1 MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm / 1 MHz) |
| Bottom  | 5755            | 4.8               | 0.1                               | 4.9                         | 5.2               | 0.1                               | 5.3                         |
| Top     | 5795            | 6.3               | 0.1                               | 6.4                         | 6.2               | 0.1                               | 6.3                         |

| Channel | Frequency (MHz) | Core 2            |                                   |                             | Core 0, Core 1 & Core 2            |                                    |                                    |
|---------|-----------------|-------------------|-----------------------------------|-----------------------------|------------------------------------|------------------------------------|------------------------------------|
|         |                 | PSD (dBm / 1 MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm / 1 MHz) | Corrected PSD Core 0 (dBm / 1 MHz) | Corrected PSD Core 1 (dBm / 1 MHz) | Corrected PSD Core 2 (dBm / 1 MHz) |
| Bottom  | 5755            | 5.2               | 0.1                               | 5.3                         | 4.9                                | 5.3                                | 5.3                                |
| Top     | 5795            | 6.7               | 0.1                               | 6.8                         | 6.4                                | 6.3                                | 6.8                                |

| Channel | Frequency (MHz) | Combined PSD (dBm / 1 MHz) | Limit (dBm / 500 kHz) | Margin (dB) | Result   |
|---------|-----------------|----------------------------|-----------------------|-------------|----------|
| Bottom  | 5755            | 9.6                        | 30.0                  | 20.4        | Complied |
| Top     | 5795            | 11.2                       | 30.0                  | 18.8        | Complied |

**Transmitter Maximum Power Spectral Density (5.725-5.85 GHz band) (continued)****Results: 802.11ac / 80 MHz / MIMO / 3Tx SDM / BPSK / MCS0x3**

| Channel | Frequency (MHz) | Core 0            |                                   |                             | Core 1            |                                   |                             |
|---------|-----------------|-------------------|-----------------------------------|-----------------------------|-------------------|-----------------------------------|-----------------------------|
|         |                 | PSD (dBm / 1 MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm / 1 MHz) | PSD (dBm / 1 MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm / 1 MHz) |
| Single  | 5775            | -2.3              | 0.2                               | -2.1                        | -2.1              | 0.2                               | -1.9                        |

| Channel | Frequency (MHz) | Core 2            |                                   |                             | Core 0, Core 1 & Core 2            |                                    |                                    |
|---------|-----------------|-------------------|-----------------------------------|-----------------------------|------------------------------------|------------------------------------|------------------------------------|
|         |                 | PSD (dBm / 1 MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm / 1 MHz) | Corrected PSD Core 0 (dBm / 1 MHz) | Corrected PSD Core 1 (dBm / 1 MHz) | Corrected PSD Core 2 (dBm / 1 MHz) |
| Single  | 5775            | -1.9              | 0.2                               | -1.7                        | -2.1                               | -1.9                               | -1.7                               |

| Channel | Frequency (MHz) | Combined PSD (dBm / 1 MHz) | Limit (dBm / 500 kHz) | Margin (dB) | Result   |
|---------|-----------------|----------------------------|-----------------------|-------------|----------|
| Single  | 5775            | 2.6                        | 30.0                  | 27.4        | Complied |

**Results: 802.11n / 20 MHz / MIMO / 3Tx TXBF / BPSK / MCS0**

| Channel | Frequency (MHz) | Core 0            |                                   |                             | Core 1            |                                   |                             |
|---------|-----------------|-------------------|-----------------------------------|-----------------------------|-------------------|-----------------------------------|-----------------------------|
|         |                 | PSD (dBm / 1 MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm / 1 MHz) | PSD (dBm / 1 MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm / 1 MHz) |
| Bottom  | 5745            | 10.5              | 0.1                               | 10.6                        | 9.9               | 0.1                               | 10.0                        |
| Middle  | 5785            | 10.2              | 0.1                               | 10.3                        | 9.5               | 0.1                               | 9.6                         |
| Top     | 5825            | 10.2              | 0.1                               | 10.3                        | 9.9               | 0.1                               | 10.0                        |

| Channel | Frequency (MHz) | Core 2            |                                   |                             | Core 0, Core 1 & Core 2            |                                    |                                    |
|---------|-----------------|-------------------|-----------------------------------|-----------------------------|------------------------------------|------------------------------------|------------------------------------|
|         |                 | PSD (dBm / 1 MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm / 1 MHz) | Corrected PSD Core 0 (dBm / 1 MHz) | Corrected PSD Core 1 (dBm / 1 MHz) | Corrected PSD Core 2 (dBm / 1 MHz) |
| Bottom  | 5745            | 8.0               | 0.1                               | 8.1                         | 10.6                               | 10.0                               | 8.1                                |
| Middle  | 5785            | 8.4               | 0.1                               | 8.5                         | 10.3                               | 9.6                                | 8.5                                |
| Top     | 5825            | 8.0               | 0.1                               | 8.1                         | 10.3                               | 10.0                               | 8.1                                |

| Channel | Frequency (MHz) | Combined PSD (dBm / 1 MHz) | Limit (dBm / 500 kHz) | Margin (dB) | Result   |
|---------|-----------------|----------------------------|-----------------------|-------------|----------|
| Bottom  | 5745            | 14.5                       | 27.8                  | 13.3        | Complied |
| Middle  | 5785            | 14.3                       | 27.8                  | 13.5        | Complied |
| Top     | 5825            | 14.3                       | 27.8                  | 13.5        | Complied |

**Transmitter Maximum Power Spectral Density (5.725-5.85 GHz band) (continued)****Results: 802.11n / 40 MHz / MIMO / 3Tx TXBF / BPSK / MCS0**

| Channel | Frequency (MHz) | Core 0            |                                   |                             | Core 1            |                                   |                             |
|---------|-----------------|-------------------|-----------------------------------|-----------------------------|-------------------|-----------------------------------|-----------------------------|
|         |                 | PSD (dBm / 1 MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm / 1 MHz) | PSD (dBm / 1 MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm / 1 MHz) |
| Bottom  | 5755            | 2.5               | 0.1                               | 2.6                         | 2.6               | 0.1                               | 2.7                         |
| Top     | 5795            | 4.2               | 0.1                               | 4.3                         | 3.4               | 0.1                               | 3.5                         |

| Channel | Frequency (MHz) | Core 2            |                                   |                             | Core 0, Core 1 & Core 2            |                                    |                                    |
|---------|-----------------|-------------------|-----------------------------------|-----------------------------|------------------------------------|------------------------------------|------------------------------------|
|         |                 | PSD (dBm / 1 MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm / 1 MHz) | Corrected PSD Core 0 (dBm / 1 MHz) | Corrected PSD Core 1 (dBm / 1 MHz) | Corrected PSD Core 2 (dBm / 1 MHz) |
| Bottom  | 5755            | 2.2               | 0.1                               | 2.3                         | 2.6                                | 2.7                                | 2.3                                |
| Top     | 5795            | 3.0               | 0.1                               | 3.1                         | 4.3                                | 3.5                                | 3.1                                |

| Channel | Frequency (MHz) | Combined PSD (dBm / 1 MHz) | Limit (dBm / 500 kHz) | Margin (dB) | Result   |
|---------|-----------------|----------------------------|-----------------------|-------------|----------|
| Bottom  | 5755            | 7.3                        | 27.8                  | 20.5        | Complied |
| Top     | 5795            | 8.4                        | 27.8                  | 19.4        | Complied |

**Results: 802.11ac / 80 MHz / MIMO / 3Tx TXBF / BPSK / MCS0**

| Channel | Frequency (MHz) | Core 0            |                                   |                             | Core 1            |                                   |                             |
|---------|-----------------|-------------------|-----------------------------------|-----------------------------|-------------------|-----------------------------------|-----------------------------|
|         |                 | PSD (dBm / 1 MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm / 1 MHz) | PSD (dBm / 1 MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm / 1 MHz) |
| Single  | 5775            | -3.9              | 0.1                               | -3.8                        | -4.2              | 0.1                               | -4.1                        |

| Channel | Frequency (MHz) | Core 2            |                                   |                             | Core 0, Core 1 & Core 2            |                                    |                                    |
|---------|-----------------|-------------------|-----------------------------------|-----------------------------|------------------------------------|------------------------------------|------------------------------------|
|         |                 | PSD (dBm / 1 MHz) | Duty cycle correction factor (dB) | Corrected PSD (dBm / 1 MHz) | Corrected PSD Core 0 (dBm / 1 MHz) | Corrected PSD Core 1 (dBm / 1 MHz) | Corrected PSD Core 2 (dBm / 1 MHz) |
| Single  | 5775            | -4.4              | 0.1                               | -4.3                        | -3.8                               | -4.1                               | -4.3                               |

| Channel | Frequency (MHz) | Combined PSD (dBm / 1 MHz) | Limit (dBm / 500 kHz) | Margin (dB) | Result   |
|---------|-----------------|----------------------------|-----------------------|-------------|----------|
| Single  | 5775            | 0.7                        | 27.8                  | 27.1        | Complied |

## **5. Radiated Test Results**

### **5.1. Transmitter Out of Band Radiated Emissions <1 GHz**

#### **Test Summary:**

|                                   |                |                   |                  |
|-----------------------------------|----------------|-------------------|------------------|
| <b>Test Engineer:</b>             | James O'Reilly | <b>Test Date:</b> | 17 November 2018 |
| <b>Test Sample Serial Number:</b> | C02WW00PKFMM   |                   |                  |

|                          |                                                     |
|--------------------------|-----------------------------------------------------|
| <b>FCC Reference:</b>    | Parts 15.407(b)(4),(6),(7) & 15.209(a)              |
| <b>Test Method Used:</b> | KDB 789033 II.G. & ANSI C63.10 Sections 6.3 and 6.5 |
| <b>Frequency Range:</b>  | 30 MHz to 1000 MHz                                  |

#### **Environmental Conditions:**

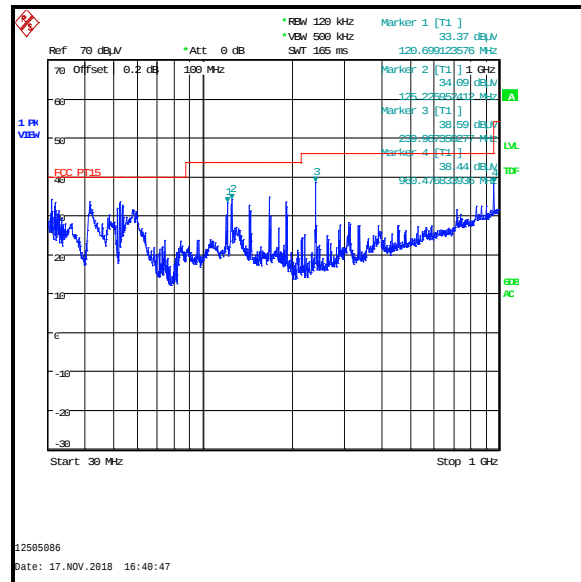
|                               |    |
|-------------------------------|----|
| <b>Temperature (°C):</b>      | 21 |
| <b>Relative Humidity (%):</b> | 41 |

#### **Note(s):**

1. The final measured value, for the given emission in the field strength result tables, incorporates the calibrated antenna factor and cable loss.
2. Pre-scans were performed with the EUT transmitting in the band 5.725 to 5.85 GHz band with a configuration of 802.11n / HT20 / MCS0 / MIMO on middle channel in this band as it produced the highest power spectral density and was therefore deemed worst case. An inquiry was made to the FCC and the response was pre-scans could be performed in the band with the highest power spectral density and all final measurements should be performed on any emissions seen in each band.
3. The preliminary scans showed similar emission levels below 1 GHz, for each channel of operation. Therefore final radiated emissions measurements were performed with the EUT set to the middle channel only.
4. All other emissions shown on the pre-scan were investigated and found to be ambient, or >20 dB below the applicable limit or below the measurement system noise floor.
5. Measurements below 1 GHz were performed in a semi-anechoic chamber (Asset Number K0017) at a distance of 3 metres. The EUT was placed at a height of 80 cm above the reference ground plane in the centre of the chamber turntable. Maximum emission levels were determined by height searching the measurement antenna over the range 1 metre to 4 metres.
6. Pre-scans were performed and markers placed on the highest measured levels. The test receiver resolution bandwidth was set to 120 kHz and video bandwidth 500 kHz. The sweep time was set to auto. A peak detector was used, sweep time was set to auto and trace mode was Max Hold.
7. Final measurements were performed on the marker frequencies and the results entered into the table below. The test receiver resolution bandwidth was set to 120 kHz, using a CISPR quasi-peak detector and span wide enough to see the whole emission.

**Transmitter Out of Band Radiated Emissions (5.725-5.85 GHz band operation) (continued)****Results: Quasi-Peak / Middle Channel / 802.11n / HT20 / MCS / MIMO**

| Frequency (MHz) | Antenna Polarity | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|------------------|----------------------|----------------------|-------------|----------|
| 125.226         | Vertical         | 22.9                 | 43.5                 | 20.6        | Complied |



*Note: This plot is a pre-scan and for indication purposes only. For final measurements, see accompanying table.*

## **5.2. Transmitter Out of Band Radiated Emissions >1 GHz**

### **5.2.1. 5.15-5.25 GHz band**

#### **Transmitter Out of Band Radiated Emissions (5.15-5.25 GHz band operation)**

##### **Test Summary:**

|                                   |                |                    |                                         |
|-----------------------------------|----------------|--------------------|-----------------------------------------|
| <b>Test Engineer:</b>             | James O'Reilly | <b>Test Dates:</b> | 16 November 2018 to<br>18 November 2018 |
| <b>Test Sample Serial Number:</b> | C02WW00PKFMM   |                    |                                         |

|                          |                                                     |
|--------------------------|-----------------------------------------------------|
| <b>FCC Reference:</b>    | Part 15.407(b)(1),(7) & 15.209(a)                   |
| <b>Test Method Used:</b> | KDB 789033 II.G. & ANSI C63.10 Sections 6.3 and 6.6 |
| <b>Frequency Range:</b>  | 1 GHz to 40 GHz                                     |

##### **Environmental Conditions:**

|                               |          |
|-------------------------------|----------|
| <b>Temperature (°C):</b>      | 21 to 24 |
| <b>Relative Humidity (%):</b> | 40 to 42 |

##### **Note(s):**

1. FCC Part 15.407(b)(1) states for transmitters operating in the band 5.15 to 5.25 GHz: all emissions outside of the 5.15 to 5.35 GHz band will not exceed -27 dBm/MHz. Part (b)(7) states the provisions of 15.205 apply e.g. restricted bands of operation.
2. In accordance with ANSI C63.10-2013 Section 6.5.4, emissions more than 20 dB below the limit do not need to be reported.
3. Pre-scans were performed with the EUT transmitting in the band 5.725 to 5.85 GHz band with a data rate of 802.11n / HT20 / MCS0 / MIMO on middle channel in this band as it produced the highest power spectral density and was therefore deemed worst case. An inquiry was made to the FCC and the response was pre-scans could be performed in the band with the highest power spectral density and all final measurements should be performed on any emissions seen in each band.
4. The final measured value, for the given emission in the field strength result tables, incorporates the calibrated antenna factor and cable loss.
5. Appropriate RF filters and attenuators were used during pre-scans and final measurements. Insertion losses were entered on the spectrum analyser as RF levels offsets.
6. In accordance with KDB 789033 Section II.G.1.c) if the peak measurement is below the average limit, it is not necessary to perform a separate average measurement.
7. Measurements above 1 GHz were performed in a fully anechoic chamber (Asset Number K0001) at a distance of 3 metres. The EUT was placed at a height of 1.5 metres above the test chamber floor in the centre of the chamber turntable. All measurement antennas were placed at a fixed height of 1.5 metres above the test chamber floor, in line with the EUT. Maximum emission levels were determined by height searching the measurement antenna over the range 1 metre to 4 metres.
8. All other emissions shown on the pre-scan plots were investigated and found to be ambient or >20 dB below the applicable limit or below the measurement system noise floor.

**Transmitter Out of Band Radiated Emissions (5.15-5.25 GHz band operation) (continued)****Results: Bottom Channel / EIRP**

| Frequency (MHz) | Antenna Polarity | Level (dBm) | Limit (dBm) | Margin (dB) | Result   |
|-----------------|------------------|-------------|-------------|-------------|----------|
| 5612.000        | Vertical         | -38.2       | -27.0       | 11.2        | Complied |
| 6043.400        | Vertical         | -38.2       | -27.0       | 11.2        | Complied |

**Results: Bottom Channel / Field Strength**

| Frequency (MHz) | Antenna Polarity | Peak Level (dB $\mu$ V/m) | Average Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|------------------|---------------------------|------------------------------|-------------|----------|
| 4787.767        | Vertical         | 53.5                      | 54.0                         | 0.5         | Complied |

**Results: Middle Channel / EIRP**

| Frequency (MHz) | Antenna Polarity | Level (dBm) | Limit (dBm) | Margin (dB) | Result   |
|-----------------|------------------|-------------|-------------|-------------|----------|
| 5633.380        | Vertical         | -37.1       | -27.0       | 10.1        | Complied |
| 6066.680        | Vertical         | -37.1       | -27.0       | 10.1        | Complied |

**Results: Top Channel / EIRP**

| Frequency (MHz) | Antenna Polarity | Level (dBm) | Limit (dBm) | Margin (dB) | Result   |
|-----------------|------------------|-------------|-------------|-------------|----------|
| 5676.940        | Vertical         | -38.1       | -27.0       | 11.1        | Complied |
| 6113.320        | Vertical         | -37.9       | -27.0       | 10.9        | Complied |

**5.2.2. 5.25-5.35 GHz band****Transmitter Out of Band Radiated Emissions (5.25-5.35 GHz band operation)****Test Summary:**

|                                   |                |                    |                                         |
|-----------------------------------|----------------|--------------------|-----------------------------------------|
| <b>Test Engineer:</b>             | James O'Reilly | <b>Test Dates:</b> | 16 November 2018 to<br>18 November 2018 |
| <b>Test Sample Serial Number:</b> | C02WW00PKFMM   |                    |                                         |

|                          |                                                     |
|--------------------------|-----------------------------------------------------|
| <b>FCC Reference:</b>    | Part 15.407(b)(2),(7) & 15.209(a)                   |
| <b>Test Method Used:</b> | KDB 789033 II.G. & ANSI C63.10 Sections 6.3 and 6.6 |
| <b>Frequency Range:</b>  | 1 GHz to 40 GHz                                     |

**Environmental Conditions:**

|                               |          |
|-------------------------------|----------|
| <b>Temperature (°C):</b>      | 21 to 24 |
| <b>Relative Humidity (%):</b> | 40 to 42 |

**Note(s):**

1. FCC Part 15.407(b)(2) states for transmitters operating in the band 5.25 to 5.35 GHz: all emissions outside of the 5.15-5.35 GHz band will not exceed -27 dBm/MHz. Part(b)(7) states the provisions of 15.205 apply e.g. restricted bands of operation.
2. In accordance with ANSI C63.10-2013 Section 6.5.4, emissions more than 20 dB below the limit do not need to be reported.
3. Pre-scans were performed with the EUT transmitting in the band 5.725 to 5.85 GHz band with a data rate of 802.11n / HT20 / MCS0 / MIMO on middle channel in this band as it produced the highest power spectral density and was therefore deemed worst case. An inquiry was made to the FCC and the response was pre-scans could be performed in the band with the highest power spectral density and all final measurements should be performed on any emissions seen in each band.
4. The final measured value, for the given emission in the field strength result tables, incorporates the calibrated antenna factor and cable loss.
5. Appropriate RF filters and attenuators were used during pre-scans and final measurements. Insertion losses were entered on the spectrum analyser as RF levels offsets.
6. Measurements above 1 GHz were performed in a fully anechoic chamber (Asset Number K0001) at a distance of 3 metres. The EUT was placed at a height of 1.5 metres above the test chamber floor in the centre of the chamber turntable. All measurement antennas were placed at a fixed height of 1.5 metres above the test chamber floor, in line with the EUT. Maximum emission levels were determined by height searching the measurement antenna over the range 1 metre to 4 metres.
7. All other emissions shown on the pre-scan plot were investigated and found to be ambient or >20 dB below the applicable limit or below the measurement system noise floor.

**Transmitter Out of Band Radiated Emissions (5.25-5.35 GHz band operation) (continued)****Results: Bottom Channel / EIRP**

| Frequency (MHz) | Antenna Polarity | Level (dBm) | Limit (dBm) | Margin (dB) | Result   |
|-----------------|------------------|-------------|-------------|-------------|----------|
| 5698.300        | Vertical         | -38.6       | -27.0       | 11.6        | Complied |
| 6136.500        | Vertical         | -38.1       | -27.0       | 11.1        | Complied |

**Results: Middle Channel / EIRP**

| Frequency (MHz) | Antenna Polarity | Level (dBm) | Limit (dBm) | Margin (dB) | Result   |
|-----------------|------------------|-------------|-------------|-------------|----------|
| 5720.400        | Vertical         | -37.6       | -27.0       | 10.6        | Complied |
| 6159.700        | Vertical         | -38.7       | -27.0       | 11.7        | Complied |

**Results: Middle Channel / Field Strength / Peak**

| Frequency (MHz) | Antenna Polarity | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|------------------|----------------------|----------------------|-------------|----------|
| 4928.000        | Vertical         | 54.9                 | 74.0                 | 19.1        | Complied |

**Results: Middle Channel / Field Strength / Average**

| Frequency (MHz) | Antenna Polarity | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|------------------|----------------------|----------------------|-------------|----------|
| 4840.000        | Vertical         | 43.5                 | 54.0                 | 10.5        | Complied |

**Results: Top Channel / EIRP**

| Frequency (MHz) | Antenna Polarity | Level (dBm) | Limit (dBm) | Margin (dB) | Result   |
|-----------------|------------------|-------------|-------------|-------------|----------|
| 5585.850        | Vertical         | -35.8       | -27.0       | 8.8         | Complied |
| 5985.050        | Vertical         | -38.2       | -27.0       | 11.2        | Complied |

**5.2.3. 5.47-5.725 GHz band****Transmitter Out of Band Radiated Emissions (5.47-5.725 GHz band operation)****Test Summary:**

|                                   |                |                    |                                         |
|-----------------------------------|----------------|--------------------|-----------------------------------------|
| <b>Test Engineer:</b>             | James O'Reilly | <b>Test Dates:</b> | 16 November 2018 to<br>18 November 2018 |
| <b>Test Sample Serial Number:</b> | C02WW00PKFMM   |                    |                                         |

|                          |                                                     |
|--------------------------|-----------------------------------------------------|
| <b>FCC Reference:</b>    | Part 15.407(b)(3),(7) & 15.209(a)                   |
| <b>Test Method Used:</b> | KDB 789033 II.G. & ANSI C63.10 Sections 6.3 and 6.6 |
| <b>Frequency Range:</b>  | 1 GHz to 40 GHz                                     |

**Environmental Conditions:**

|                               |          |
|-------------------------------|----------|
| <b>Temperature (°C):</b>      | 21 to 24 |
| <b>Relative Humidity (%):</b> | 40 to 42 |

**Note(s):**

1. FCC Part 15.407(b)(3) states for transmitters operating in the band 5.47 to 5.725 GHz: all emissions outside of the band will not exceed -27 dBm/MHz. Part(b)(7) states the provisions of 15.205 apply e.g. restricted bands of operation.
2. In accordance with ANSI C63.10-2013 Section 6.5.4, emissions more than 20 dB below the limit do not need to be reported.
3. Pre-scans were performed with the EUT transmitting in the band 5.725 to 5.85 GHz band with a data rate of 802.11n / HT20 / MCS0 / MIMO on middle channel in this band as it produced the highest power spectral density and was therefore deemed worst case. An inquiry was made to the FCC and the response was pre-scans could be performed in the band with the highest power spectral density and all final measurements should be performed on any emissions seen in each band.
4. The final measured value, for the given emission in the field strength result tables, incorporates the calibrated antenna factor and cable loss.
5. Appropriate RF filters and attenuators were used during pre-scans and final measurements. Insertion losses were entered on the spectrum analyser as RF levels offsets.
6. Measurements above 1 GHz were performed in a fully anechoic chamber (Asset Number K0001) at a distance of 3 metres. The EUT was placed at a height of 1.5 metres above the test chamber floor in the centre of the chamber turntable. All measurement antennas were placed at a fixed height of 1.5 metres above the test chamber floor, in line with the EUT. Maximum emission levels were determined by height searching the measurement antenna over the range 1 metre to 4 metres.
7. All other emissions shown on the pre-scan plot were investigated and found to be ambient or >20 dB below the applicable limit or below the measurement system noise floor.

**Transmitter Out of Band Radiated Emissions (5.47-5.725 GHz band operation) (continued)****Results: Bottom Channel / EIRP**

| Frequency (MHz) | Antenna Polarity | Level (dBm) | Limit (dBm) | Margin (dB) | Result   |
|-----------------|------------------|-------------|-------------|-------------|----------|
| 5271.100        | Vertical         | -39.4       | -27.0       | 12.4        | Complied |
| 5736.300        | Vertical         | -38.6       | -27.0       | 11.6        | Complied |

**Results: Middle Channel / EIRP**

| Frequency (MHz) | Antenna Polarity | Level (dBm) | Limit (dBm) | Margin (dB) | Result   |
|-----------------|------------------|-------------|-------------|-------------|----------|
| 5952.100        | Vertical         | -36.5       | -27.0       | 9.5         | Complied |

**Results: Top Channel / Field Strength**

| Frequency (MHz) | Antenna Polarity | Peak Level (dB $\mu$ V/m) | Average Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|------------------|---------------------------|------------------------------|-------------|----------|
| 5277.300        | Vertical         | -39.7                     | -27.0                        | 12.7        | Complied |

**5.2.4. Channels that straddle the U-NII-2C and U-NII-3 bands at 5725 MHz****Transmitter Out of Band Radiated Emissions (Channels that straddle the U-NII-2C and U-NII-3 bands at 5725 MHz)****Test Summary:**

|                                   |                |                    |                                         |
|-----------------------------------|----------------|--------------------|-----------------------------------------|
| <b>Test Engineer:</b>             | James O'Reilly | <b>Test Dates:</b> | 16 November 2018 to<br>18 November 2018 |
| <b>Test Sample Serial Number:</b> | C02WW00PKFMM   |                    |                                         |

|                          |                                                     |
|--------------------------|-----------------------------------------------------|
| <b>FCC Reference:</b>    | Part 15.407(b)(3),(4)(i),(7) & 15.209(a)            |
| <b>Test Method Used:</b> | KDB 789033 II.G. & ANSI C63.10 Sections 6.3 and 6.6 |
| <b>Frequency Range:</b>  | 1 GHz to 40 GHz                                     |

**Environmental Conditions:**

|                               |          |
|-------------------------------|----------|
| <b>Temperature (°C):</b>      | 21 to 24 |
| <b>Relative Humidity (%):</b> | 40 to 42 |

**Note(s):**

1. KDB 789033 Section III.B.2.b)(iii) states "Straddle channels are considered to be operating in both U-NII-2C and U-NII-3. The worst case out of band emission i.e. -27 dBm/MHz peak EIRP, applies at the band edges. The band edges are considered to be 5.47 GHz and 5.85 GHz."
2. In accordance with ANSI C63.10-2013 Section 6.5.4, emissions more than 20 dB below the limit do not need to be reported.
3. Pre-scans were performed with the EUT transmitting in the band 5.725 to 5.85 GHz band with a data rate of 802.11n / HT20 / MCS0 / MIMO on middle channel in this band as it produced the highest power spectral density and was therefore deemed worst case. An inquiry was made to the FCC and the response was pre-scans could be performed in the band with the highest power spectral density and all final measurements should be performed on any emissions seen in each band.
4. The final measured value, for the given emission in the field strength result tables, incorporates the calibrated antenna factor and cable loss.
5. Appropriate RF filters and attenuators were used during pre-scans and final measurements. Insertion losses were entered on the spectrum analyser as RF levels offsets.
6. Measurements above 1 GHz were performed in a fully anechoic chamber (Asset Number K0001) at a distance of 3 metres. The EUT was placed at a height of 1.5 metres above the test chamber floor in the centre of the chamber turntable. All measurement antennas were placed at a fixed height of 1.5 metres above the test chamber floor, in line with the EUT. Maximum emission levels were determined by height searching the measurement antenna over the range 1 metre to 4 metres.
7. All other emissions shown on the pre-scan plot were investigated and found to be ambient or >20 dB below the applicable limit or below the measurement system noise floor.

**Transmitter Out of Band Radiated Emissions (Channels that straddle the U-NII-2C and U-NII-3 bands at 5725 MHz) (continued)****Results: Straddle Channel / EIRP**

| Frequency (MHz) | Antenna Polarity | Level (dBm) | Limit (dBm) | Margin (dB) | Result   |
|-----------------|------------------|-------------|-------------|-------------|----------|
| 5923.800        | Vertical         | -37.7       | -27.0       | 10.7        | Complied |

**Results: Straddle Channel / Field Strength / Peak**

| Frequency (MHz) | Antenna Polarity | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|------------------|----------------------|----------------------|-------------|----------|
| 5431.760        | Complied         | 55.4                 | 74.0                 | 18.6        | Complied |

**Results: Straddle Channel / Field Strength / Average**

| Frequency (MHz) | Antenna Polarity | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|------------------|----------------------|----------------------|-------------|----------|
| 5427.860        | Complied         | 43.5                 | 54.0                 | 10.5        | Complied |

**5.2.5. 5.725-5.85 GHz band****Transmitter Out of Band Radiated Emissions (5.725-5.85 GHz band operation)****Test Summary:**

|                                   |                |                    |                                         |
|-----------------------------------|----------------|--------------------|-----------------------------------------|
| <b>Test Engineer:</b>             | James O'Reilly | <b>Test Dates:</b> | 16 November 2018 to<br>18 November 2018 |
| <b>Test Sample Serial Number:</b> | C02WW00PKFMM   |                    |                                         |

|                          |                                                     |
|--------------------------|-----------------------------------------------------|
| <b>FCC Reference:</b>    | Part 15.407(b)(4)(i),(7) & 15.209(a)                |
| <b>Test Method Used:</b> | KDB 789033 II.G. & ANSI C63.10 Sections 6.3 and 6.6 |
| <b>Frequency Range:</b>  | 1 GHz to 40 GHz                                     |

**Environmental Conditions:**

|                               |          |
|-------------------------------|----------|
| <b>Temperature (°C):</b>      | 21 to 24 |
| <b>Relative Humidity (%):</b> | 40 to 42 |

**Note(s):**

1. FCC Part 15.407(b)(4)(i) states for transmitters operating in the band 5.725 to 5.85 GHz: all emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge. Part(b)(7) states the provisions of 15.205 apply e.g. restricted bands of operation.
2. In accordance with ANSI C63.10-2013 Section 6.5.4, emissions more than 20 dB below the limit do not need to be reported.
3. Pre-scans were performed with the EUT transmitting in the band 5.725 to 5.85 GHz band with a data rate of 802.11n / HT20 / MCS0 / MIMO on middle channel in this band as it produced the highest power spectral density and was therefore deemed worst case. An inquiry was made to the FCC and the response was pre-scans could be performed in the band with the highest power spectral density and all final measurements should be performed on any emissions seen in each band.
4. The final measured value, for the given emission in the field strength result tables, incorporates the calibrated antenna factor and cable loss.
5. Appropriate RF filters and attenuators were used during pre-scans and final measurements. Insertion losses were entered on the spectrum analyser as RF levels offsets.
6. The emission shown on the 1 GHz to 8 GHz plot is the EUT fundamental.
7. Measurements were performed across the two restricted bands closest to the bands of operation with the EUT transmitting on the bottom channel in the 5.15 to 5.25 GHz band and top channel 5.25 to 5.35 GHz range. Plots are included in this section of the test report. Peak and average measurements were made.
8. Measurements above 1 GHz were performed in a fully anechoic chamber (Asset Number K0001) at a distance of 3 metres. The EUT was placed at a height of 1.5 metres above the test chamber floor in the centre of the chamber turntable. All measurement antennas were placed at a fixed height of 1.5 metres above the test chamber floor, in line with the EUT. Maximum emission levels were determined by height searching the measurement antenna over the range 1 metre to 4 metres.
9. All other emissions shown on the pre-scan plot were investigated and found to be ambient or >20 dB below the applicable limit or below the measurement system noise floor.

**Transmitter Out of Band Radiated Emissions (5.725-5.85 GHz band operation) (continued)****Results: Bottom Channel / EIRP**

| Frequency (MHz) | Antenna Polarity | Level (dBm) | Limit (dBm) | Margin (dB) | Result   |
|-----------------|------------------|-------------|-------------|-------------|----------|
| 5319.000        | Vertical         | -39.4       | -27.0       | 12.4        | Complied |
| 5539.125        | Vertical         | -36.6       | -27.0       | 9.6         | Complied |
| 5952.085        | Vertical         | -36.0       | -27.0       | 9.0         | Complied |

**Results: Middle Channel / EIRP**

| Frequency (MHz) | Antenna Polarity | Level (dBm) | Limit (dBm) | Margin (dB) | Result   |
|-----------------|------------------|-------------|-------------|-------------|----------|
| 5578.150        | Vertical         | -36.3       | -27.0       | 9.3         | Complied |
| 5994.850        | Vertical         | -36.5       | -27.0       | 9.5         | Complied |

**Results: Middle Channel / Field Strength / Peak**

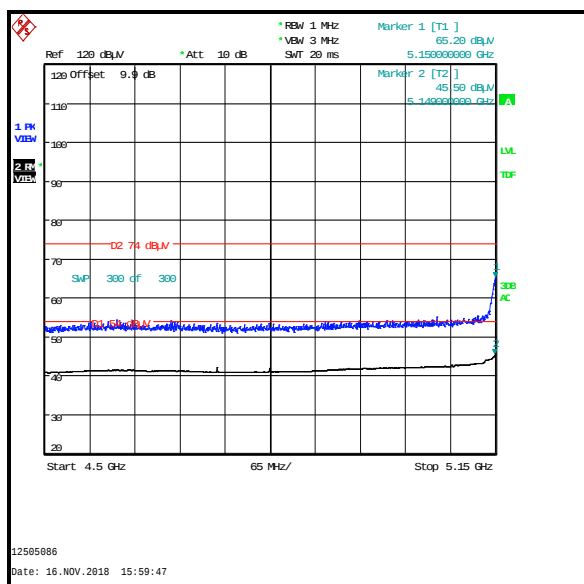
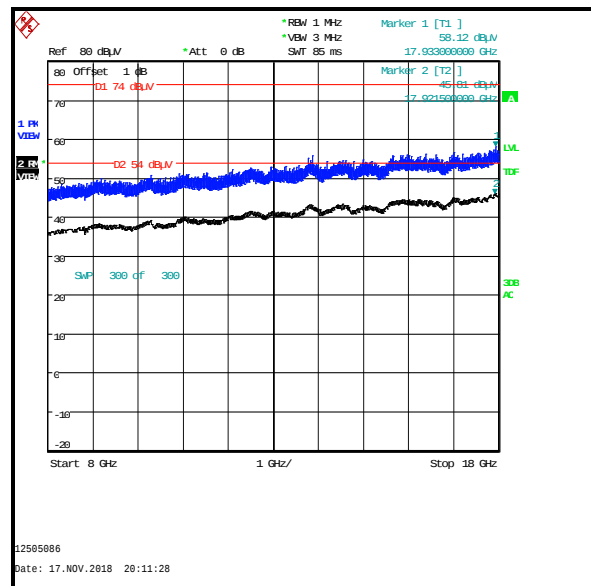
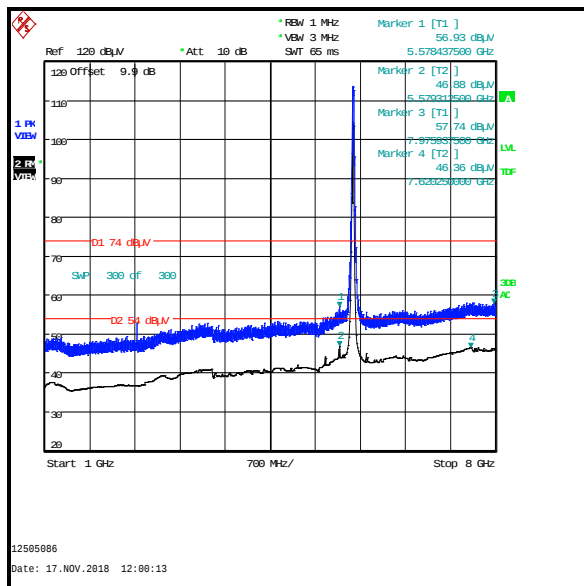
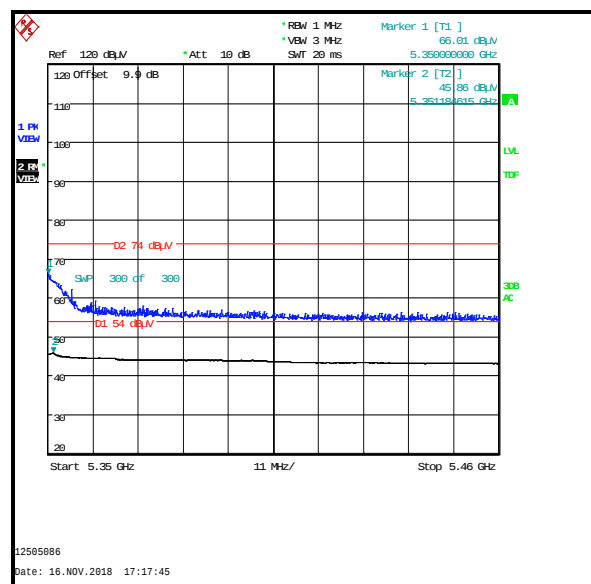
| Frequency (MHz) | Antenna Polarity | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|------------------|----------------------|----------------------|-------------|----------|
| 5356.560        | Vertical         | 56.5                 | 74.0                 | 17.5        | Complied |

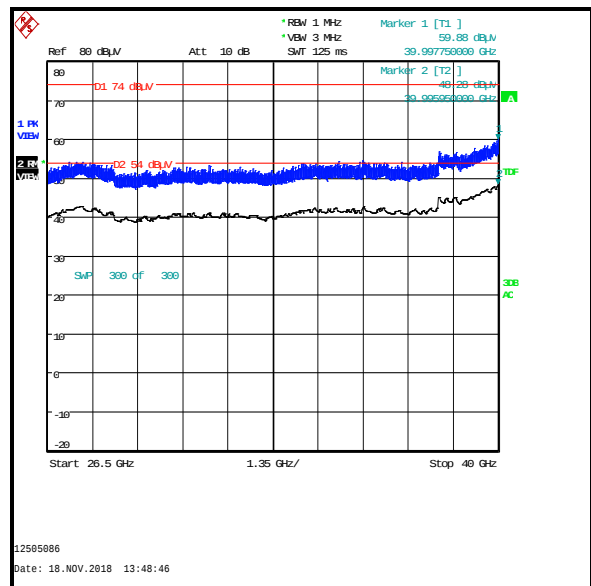
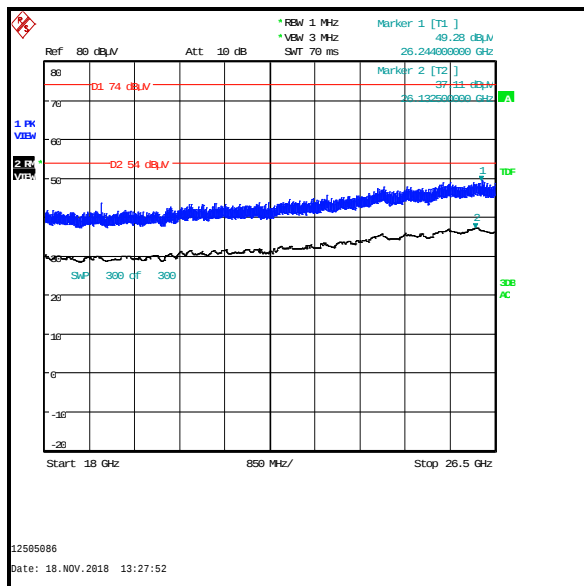
**Results: Middle Channel / Field Strength / Average**

| Frequency (MHz) | Antenna Polarity | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|------------------|----------------------|----------------------|-------------|----------|
| 5356.510        | Vertical         | 46.6                 | 54.0                 | 7.4         | Complied |

**Results: Top Channel / Field Strength**

| Frequency (MHz) | Antenna Polarity | Peak Level (dB $\mu$ V/m) | Average Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|------------------|---------------------------|------------------------------|-------------|----------|
| 5617.575        | Vertical         | -35.5                     | -27.0                        | 8.5         | Complied |
| 6047.775        | Vertical         | -36.6                     | -27.0                        | 9.6         | Complied |

**Transmitter Out of Band Radiated Emissions (5.725-5.85 GHz band operation) (continued)****Restricted Band 4.5 GHz to 5.15 GHz****Restricted Band 5.35 GHz to 5.46 GHz**

**Transmitter Out of Band Radiated Emissions (5.725-5.85 GHz band operation) (continued)**

*Note: These plots are pre-scans and for indication purposes only. For final measurements, see accompanying tables.*

**5.3. Transmitter Band Edge Radiated Emissions****5.3.1. 5.15-5.25 GHz band****Test Summary:**

|                                   |                                                    |                    |                                        |
|-----------------------------------|----------------------------------------------------|--------------------|----------------------------------------|
| <b>Test Engineers:</b>            | Marco Zunarelli,<br>John Ferdinand &<br>Mark Perry | <b>Test Dates:</b> | 19 October 2018 to<br>09 November 2018 |
| <b>Test Sample Serial Number:</b> | C02WW00PKFMM                                       |                    |                                        |

|                          |                                             |
|--------------------------|---------------------------------------------|
| <b>FCC Reference:</b>    | Parts 15.407(b)(1),(7), 15.205 & 15.209(a)  |
| <b>Test Method Used:</b> | ANSI C63.10 Section 6.10 & KDB 789033 II.G. |

**Environmental Conditions:**

|                               |          |
|-------------------------------|----------|
| <b>Temperature (°C):</b>      | 23 to 25 |
| <b>Relative Humidity (%):</b> | 40 to 50 |

**Transmitter Band Edge Radiated Emissions (5.15-5.25 GHz band operation) (continued)****Note(s):**

1. The following modes were tested:

- o 802.11a - BPSK / 6 Mbps / Core 2
- o 802.11n HT20 / SISO - BPSK / MCS0 / Core 2
- o 802.11n HT40 / SISO - BPSK / MCS0 / Core 2
- o 802.11ac VHT80 / SISO – BPSK / MCS0x1 / Core 2
- o 802.11n HT20 / MIMO / 2Tx CDD - BPSK / MCS0
- o 802.11n HT40 / MIMO / 2Tx CDD - BPSK / MCS0
- o 802.11ac VHT80 / MIMO / 2Tx CDD - BPSK / MCS0x1
- o 802.11n HT20 / MIMO / 2Tx SDM - BPSK / MCS8
- o 802.11n HT40 / MIMO / 2Tx SDM - BPSK / MCS8
- o 802.11ac VHT80 / MIMO / 2Tx SDM - BPSK / MCS0x2
- o 802.11n HT20 / MIMO / 2Tx TxBF - BPSK / MCS0
- o 802.11n HT40 / MIMO / 2Tx TxBF - BPSK / MCS0
- o 802.11ac VHT80 / MIMO / 2Tx TxBF - BPSK / MCS0x1
- o 802.11n HT20 / MIMO / 3Tx CDD - BPSK / MCS0
- o 802.11n HT40 / MIMO / 3Tx CDD - BPSK / MCS0
- o 802.11ac VHT80 / MIMO / 3Tx CDD - BPSK / MCS0x1
- o 802.11n HT20 / MIMO / 3Tx SDM - BPSK / MCS16
- o 802.11n HT40 / MIMO / 3Tx SDM - BPSK / MCS16
- o 802.11ac VHT80 / MIMO / 3Tx SDM - BPSK / MCS0x3
- o 802.11n HT20 / MIMO / 3Tx TxBF - BPSK / MCS0
- o 802.11n HT40 / MIMO / 3Tx TxBF - BPSK / MCS0
- o 802.11ac VHT80 / MIMO / 3Tx TxBF - BPSK / MCS0x1

2. Lower band edge measurements were performed with the EUT transmitting on the bottom channel. Upper band edge measurements were performed with the EUT transmitting on the top channel.

3. For transmitters operating in the 5.15-5.25 GHz band: all emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of -27 dBm/MHz. However, there are restricted bands of operation below the lower band edge at 4.5-5.15 GHz and also above the upper band edge at 5.35-5.46 GHz therefore the provisions of FCC Part 15.205 apply. Tests were performed in these restricted bands of operation, the results are included in the transmitter 5.725-5.85 GHz band radiated spurious emission section of this test report.

4. Field strength measurements using peak and average detectors were performed in the restricted bands below 5.15 GHz and above 5.35 GHz. Field strength and EIRP results were found to be compliant with the restricted band limits and Part 15.407 out-of-band limits.

5. For all average measurements in this section, 300 sweeps were used. This satisfies the requirement for the minimum number of sweep points, as stated in KDB 789033 Section II.G.6.c) Method AD (vi).

6. In accordance with KDB 789033 Section II.G.6.c) Method AD (vii), for average measurements, data rates where the EUT was transmitting <98% duty cycle, the duty cycle correction factor calculated in section 4.1 was added to the measured result.

**Transmitter Band Edge Radiated Emissions (5.15-5.25 GHz band operation) (continued)****Results: 802.11a / 20 MHz / SISO / BPSK / 6 Mbps / Core 2****Results: Lower Band Edge / Peak**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5149.231        | 68.9                 | 74.0                 | 5.1         | Complied |
| 5150            | 67.1                 | 74.0                 | 6.9         | Complied |

**Results: Upper Band Edge / Peak**

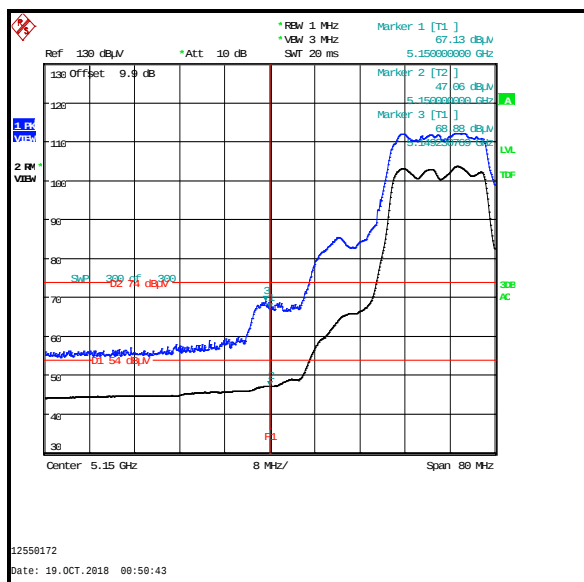
| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5350            | 58.2                 | 74.0                 | 15.8        | Complied |
| 5428.846        | 59.2                 | 74.0                 | 14.8        | Complied |

**Results: Lower Band Edge / Average**

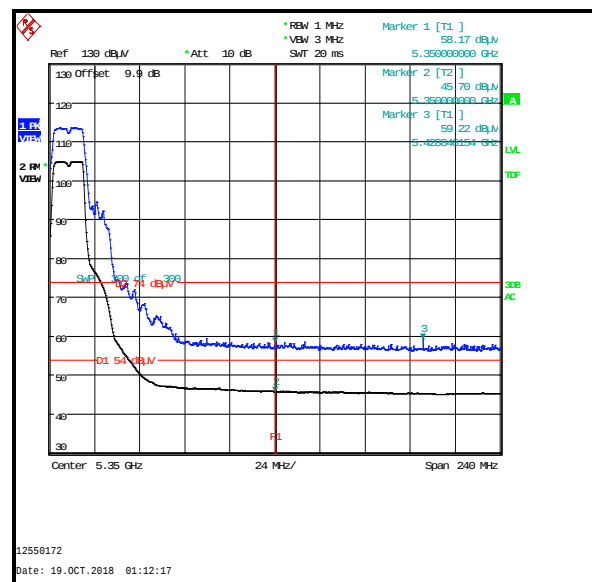
| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5150            | 47.1                 | 54.0                 | 6.9         | Complied |

**Results: Upper Band Edge / Average**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5350            | 45.7                 | 54.0                 | 8.3         | Complied |



Lower Band Edge



Upper Band Edge

**Transmitter Band Edge Radiated Emissions (5.15-5.25 GHz band operation) (continued)****Results: 802.11n / 20 MHz / SISO / BPSK / MCS0 / Core 2****Results: Lower Band Edge / Peak**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5147.051        | 65.8                 | 74.0                 | 8.2         | Complied |
| 5150            | 62.7                 | 74.0                 | 11.3        | Complied |

**Results: Upper Band Edge / Peak**

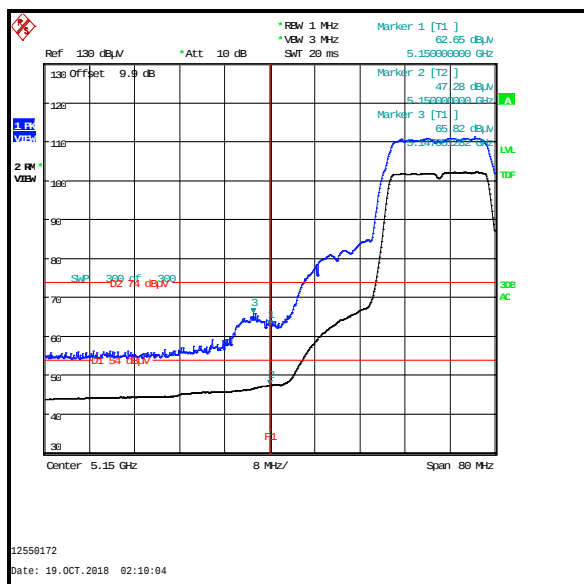
| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5350            | 57.0                 | 74.0                 | 17.0        | Complied |
| 5373.077        | 58.5                 | 74.0                 | 15.5        | Complied |

**Results: Lower Band Edge / Average**

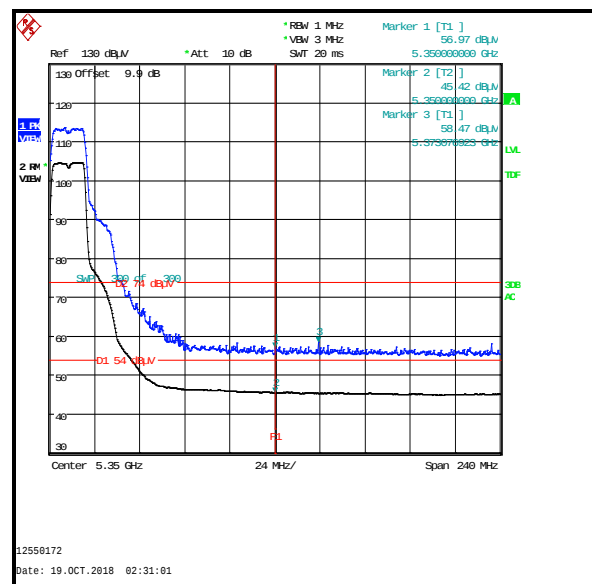
| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5150            | 47.3                 | 54.0                 | 6.7         | Complied |

**Results: Upper Band Edge / Average**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5350            | 45.4                 | 54.0                 | 8.6         | Complied |



Lower Band Edge



Upper Band Edge

**Transmitter Band Edge Radiated Emissions (5.15-5.25 GHz band operation) (continued)****Results: 802.11n / 40 MHz / SISO / BPSK / MCS0 / Core 2****Results: Lower Band Edge / Peak**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5149.231        | 62.6                 | 74.0                 | 11.4        | Complied |
| 5150            | 61.6                 | 74.0                 | 12.4        | Complied |

**Results: Upper Band Edge / Peak**

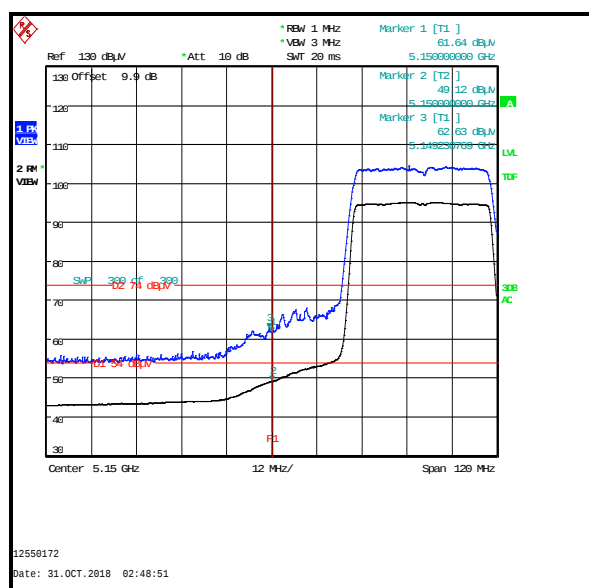
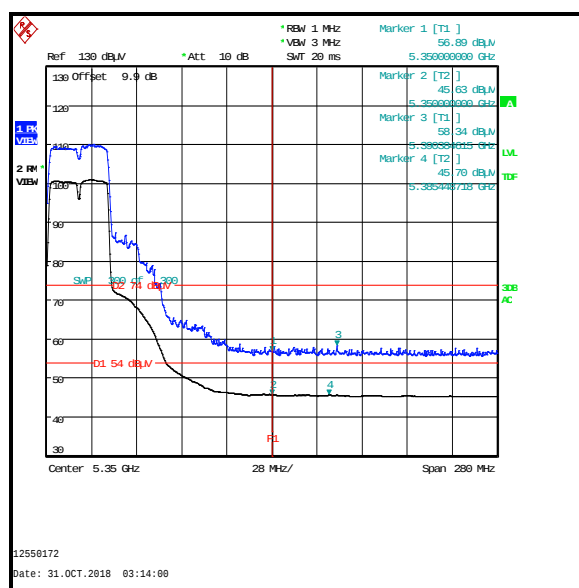
| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5350            | 56.9                 | 74.0                 | 17.1        | Complied |
| 5390.385        | 58.3                 | 74.0                 | 15.7        | Complied |

**Results: Lower Band Edge / Average**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Duty Cycle correction (dB) | Corrected Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------------|--------------------------------|----------------------|-------------|----------|
| 5150            | 49.1                 | 0.1                        | 49.2                           | 54.0                 | 4.8         | Complied |

**Results: Upper Band Edge / Average**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Duty Cycle correction (dB) | Corrected Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------------|--------------------------------|----------------------|-------------|----------|
| 5350            | 45.6                 | 0.1                        | 45.7                           | 54.0                 | 8.3         | Complied |
| 5385.449        | 45.7                 | 0.1                        | 45.8                           | 54.0                 | 8.2         | Complied |

**Lower Band Edge****Upper Band Edge**

**Transmitter Band Edge Radiated Emissions (5.15-5.25 GHz band operation) (continued)****Results: 802.11ac / 80 MHz / SISO / BPSK / MCS0 / Core 2****Results: Lower Band Edge / Peak**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5147.756        | 63.6                 | 74.0                 | 10.4        | Complied |
| 5150            | 62.8                 | 74.0                 | 11.2        | Complied |

**Results: Upper Band Edge / Peak**

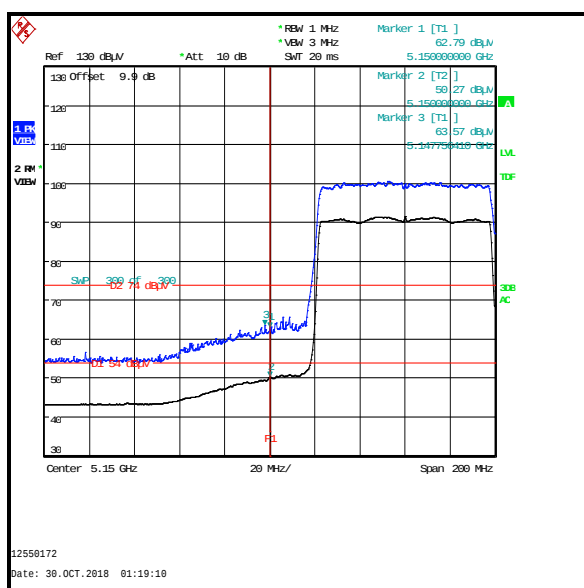
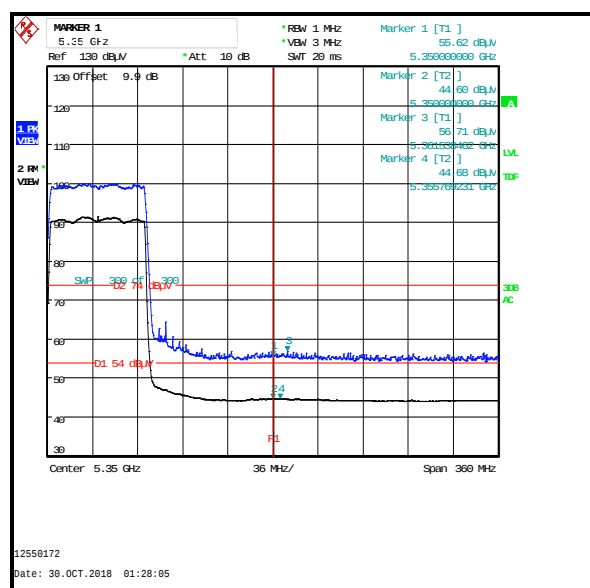
| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5350            | 55.6                 | 74.0                 | 18.4        | Complied |
| 5361.538        | 56.7                 | 74.0                 | 17.3        | Complied |

**Results: Lower Band Edge / Average**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Duty Cycle correction (dB) | Corrected Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------------|--------------------------------|----------------------|-------------|----------|
| 5150            | 50.3                 | 0.2                        | 50.5                           | 54.0                 | 3.5         | Complied |

**Results: Upper Band Edge / Average**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Duty Cycle correction (dB) | Corrected Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------------|--------------------------------|----------------------|-------------|----------|
| 5350            | 44.6                 | 0.2                        | 44.8                           | 54.0                 | 9.2         | Complied |
| 5355.769        | 44.7                 | 0.2                        | 44.9                           | 54.0                 | 9.1         | Complied |

**Lower Band Edge****Upper Band Edge**

**Transmitter Band Edge Radiated Emissions (5.15-5.25 GHz band operation) (continued)****Results: 802.11n / 20 MHz / MIMO / 2Tx CDD / BPSK / MCS0****Results: Lower Band Edge / Peak**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5149.359        | 63.7                 | 74.0                 | 10.3        | Complied |
| 5150            | 62.4                 | 74.0                 | 11.6        | Complied |

**Results: Upper Band Edge / Peak**

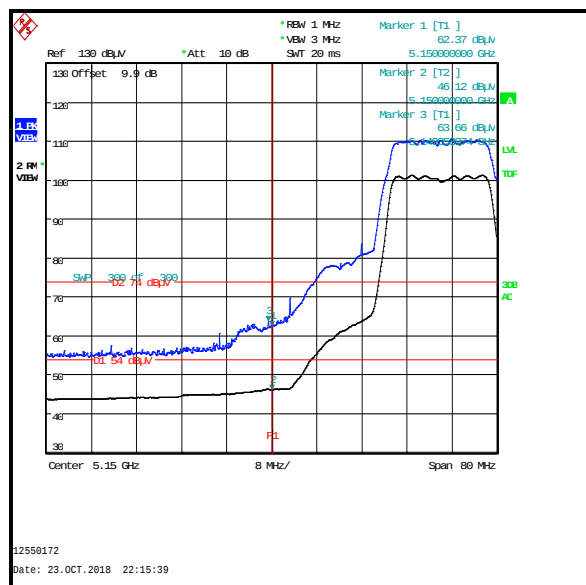
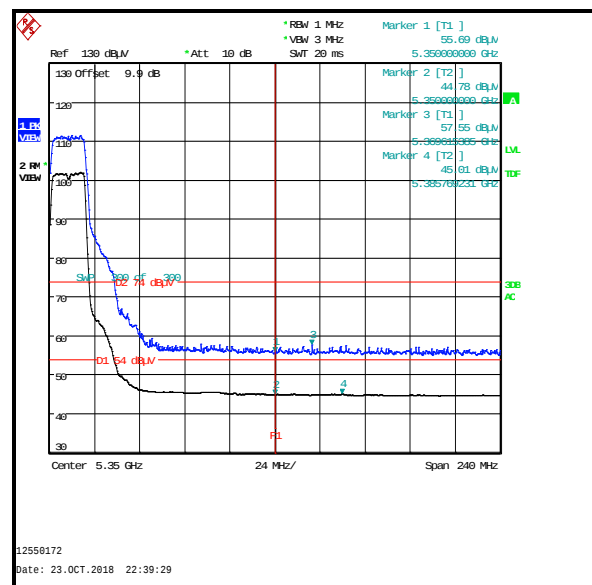
| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5350            | 55.7                 | 74.0                 | 18.3        | Complied |
| 5369.615        | 57.6                 | 74.0                 | 16.4        | Complied |

**Results: Lower Band Edge / Average**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5150            | 46.1                 | 54.0                 | 7.9         | Complied |

**Results: Upper Band Edge / Average**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5350            | 44.8                 | 54.0                 | 9.2         | Complied |
| 5385.769        | 45.0                 | 54.0                 | 9.0         | Complied |

**Lower Band Edge****Upper Band Edge**

**Transmitter Band Edge Radiated Emissions (5.15-5.25 GHz band operation) (continued)****Results: 802.11n / 40 MHz / MIMO / 2Tx CDD / BPSK / MCS0****Results: Lower Band Edge / Peak**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5149.423        | 63.6                 | 74.0                 | 10.4        | Complied |
| 5150            | 62.3                 | 74.0                 | 11.7        | Complied |

**Results: Upper Band Edge / Peak**

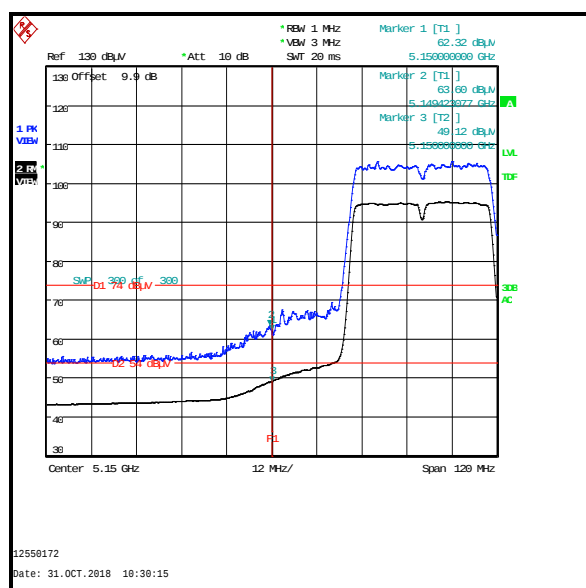
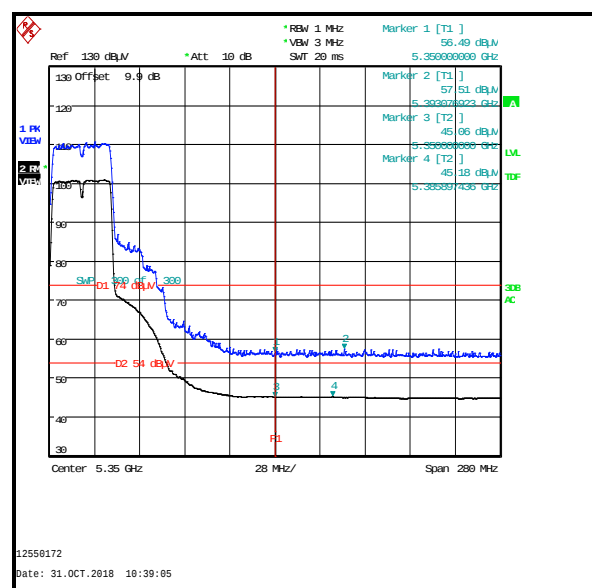
| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5350            | 56.5                 | 74.0                 | 17.5        | Complied |
| 5393.074        | 57.5                 | 74.0                 | 16.5        | Complied |

**Results: Lower Band Edge / Average**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Duty Cycle correction (dB) | Corrected Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------------|--------------------------------|----------------------|-------------|----------|
| 5150            | 49.1                 | 0.1                        | 49.2                           | 54.0                 | 4.8         | Complied |

**Results: Upper Band Edge / Average**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Duty Cycle correction (dB) | Corrected Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------------|--------------------------------|----------------------|-------------|----------|
| 5350            | 45.1                 | 0.1                        | 45.2                           | 54.0                 | 8.8         | Complied |
| 5385.897        | 45.2                 | 0.1                        | 45.3                           | 54.0                 | 8.7         | Complied |

**Lower Band Edge****Upper Band Edge**

**Transmitter Band Edge Radiated Emissions (5.15-5.25 GHz band operation) (continued)****Results: 802.11ac / 80 MHz / MIMO / 2Tx CDD / BPSK / MCS0****Results: Lower Band Edge / Peak**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5139.103        | 63.5                 | 74.0                 | 10.5        | Complied |
| 5150            | 60.1                 | 74.0                 | 13.9        | Complied |

**Results: Upper Band Edge / Peak**

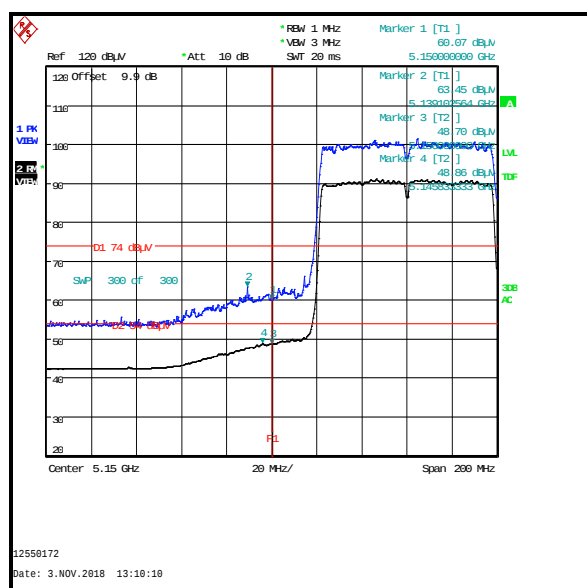
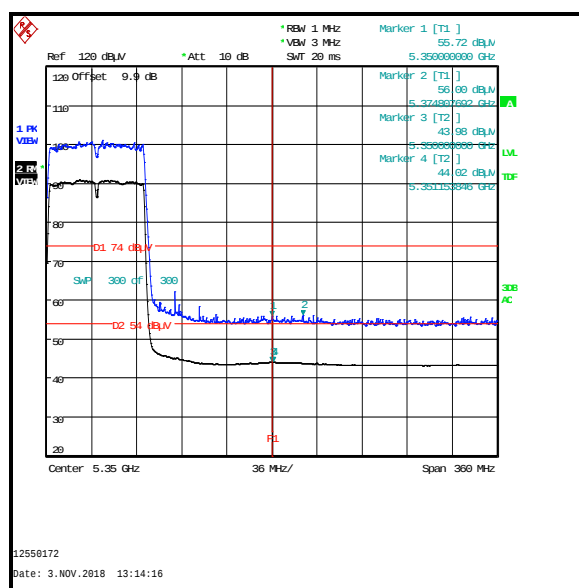
| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5350            | 55.7                 | 74.0                 | 18.3        | Complied |
| 5374.808        | 56.0                 | 74.0                 | 18.0        | Complied |

**Results: Lower Band Edge / Average**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Duty Cycle correction (dB) | Corrected Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------------|--------------------------------|----------------------|-------------|----------|
| 5145.833        | 48.9                 | 0.2                        | 49.1                           | 54.0                 | 4.9         | Complied |
| 5150            | 48.7                 | 0.2                        | 48.9                           | 54.0                 | 5.1         | Complied |

**Results: Upper Band Edge / Average**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Duty Cycle correction (dB) | Corrected Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------------|--------------------------------|----------------------|-------------|----------|
| 5350            | 44.0                 | 0.2                        | 44.2                           | 54.0                 | 9.8         | Complied |

**Lower Band Edge****Upper Band Edge**

**Transmitter Band Edge Radiated Emissions (5.15-5.25 GHz band operation) (continued)****Results: 802.11n / 20 MHz / MIMO / 2Tx SDM / BPSK / MCS8****Results: Lower Band Edge / Peak**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5149.359        | 68.8                 | 74.0                 | 5.2         | Complied |
| 5150            | 67.9                 | 74.0                 | 6.1         | Complied |

**Results: Upper Band Edge / Peak**

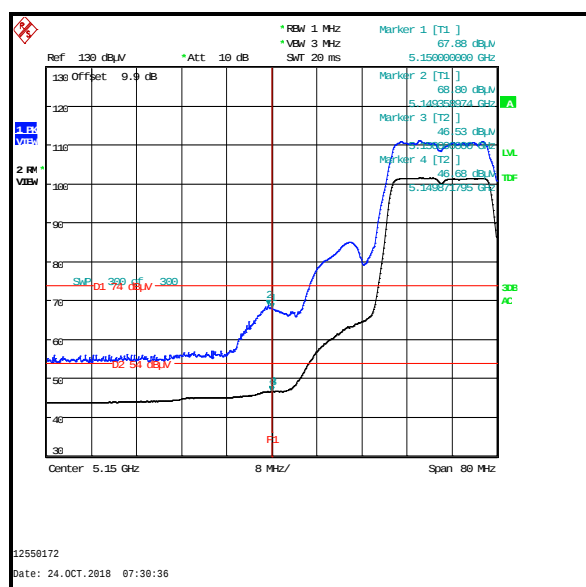
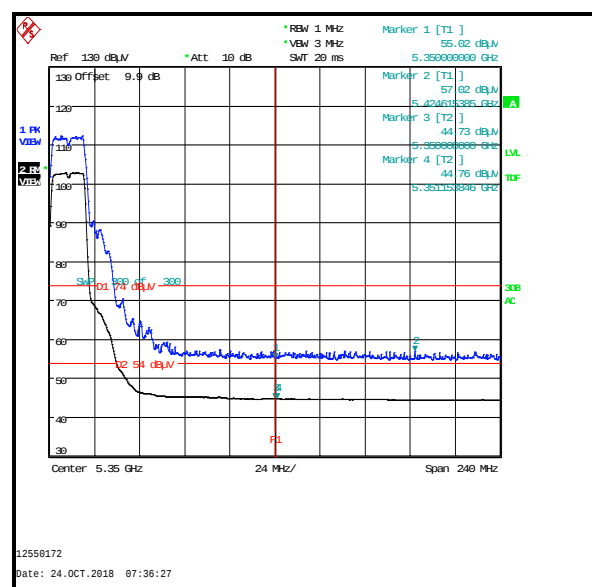
| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5350            | 55.0                 | 74.0                 | 19.0        | Complied |
| 5424.615        | 57.0                 | 74.0                 | 17.0        | Complied |

**Results: Lower Band Edge / Average**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5149.872        | 46.7                 | 54.0                 | 7.3         | Complied |
| 5150            | 46.5                 | 54.0                 | 7.5         | Complied |

**Results: Upper Band Edge / Average**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5350            | 44.7                 | 54.0                 | 9.3         | Complied |
| 5351.154        | 44.8                 | 54.0                 | 9.2         | Complied |

**Lower Band Edge****Upper Band Edge**

**Transmitter Band Edge Radiated Emissions (5.15-5.25 GHz band operation) (continued)****Results: 802.11n / 40 MHz / MIMO / 2Tx SDM / BPSK / MCS8****Results: Lower Band Edge / Peak**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5149.615        | 65.5                 | 74.0                 | 8.5         | Complied |
| 5150            | 64.9                 | 74.0                 | 9.1         | Complied |

**Results: Upper Band Edge / Peak**

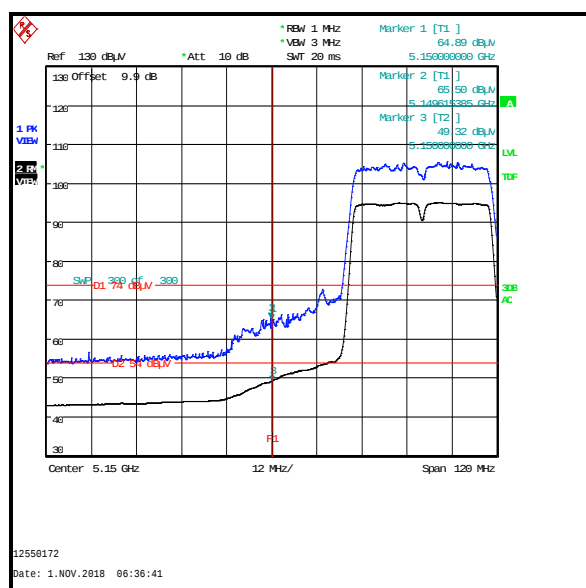
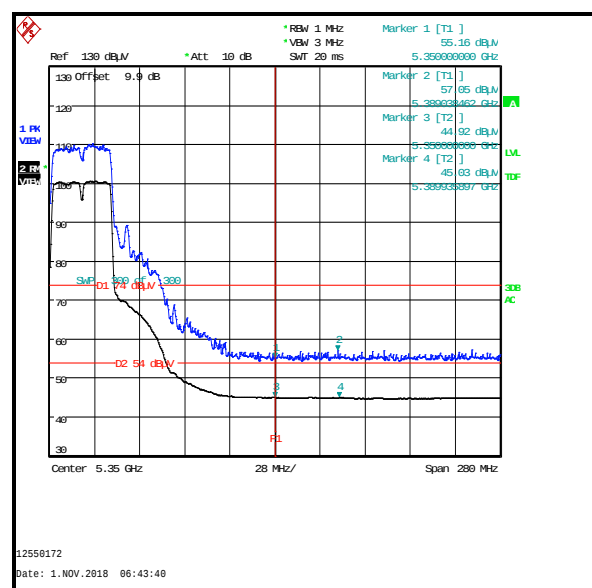
| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5350            | 55.2                 | 74.0                 | 18.8        | Complied |
| 5389.038        | 57.1                 | 74.0                 | 16.9        | Complied |

**Results: Lower Band Edge / Average**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Duty Cycle correction (dB) | Corrected Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------------|--------------------------------|----------------------|-------------|----------|
| 5150            | 49.3                 | 0.1                        | 49.4                           | 54.0                 | 4.6         | Complied |

**Results: Upper Band Edge / Average**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Duty Cycle correction (dB) | Corrected Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------------|--------------------------------|----------------------|-------------|----------|
| 5350            | 44.9                 | 0.1                        | 45.0                           | 54.0                 | 9.0         | Complied |
| 5389.936        | 45.0                 | 0.1                        | 45.1                           | 54.0                 | 8.9         | Complied |

**Lower Band Edge****Upper Band Edge**

**Transmitter Band Edge Radiated Emissions (5.15-5.25 GHz band operation) (continued)****Results: 802.11ac / 80 MHz / MIMO / 2Tx SDM / BPSK / MCS0x2****Results: Lower Band Edge / Peak**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5134.936        | 63.1                 | 74.0                 | 10.9        | Complied |
| 5150            | 60.4                 | 74.0                 | 13.6        | Complied |

**Results: Upper Band Edge / Peak**

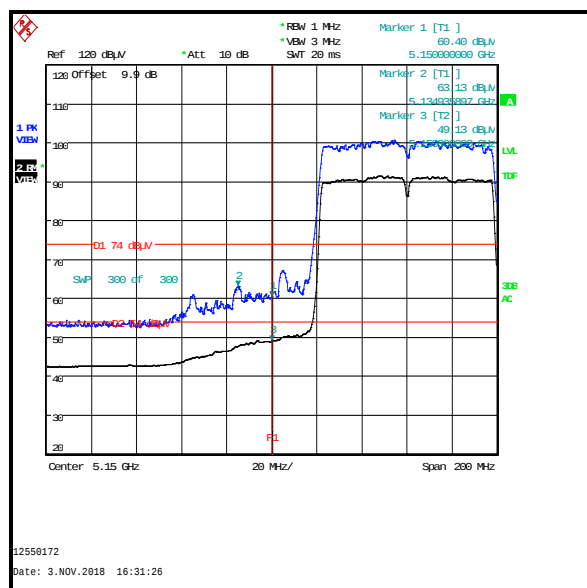
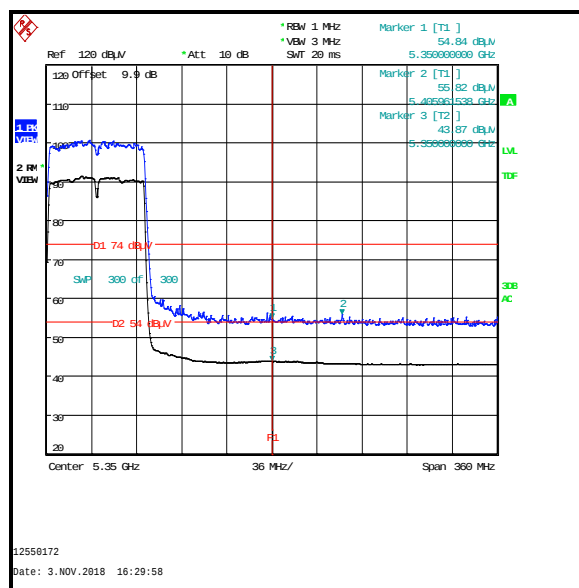
| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5350            | 54.8                 | 74.0                 | 19.2        | Complied |
| 5405.962        | 55.8                 | 74.0                 | 18.2        | Complied |

**Results: Lower Band Edge / Average**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Duty Cycle correction (dB) | Corrected Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------------|--------------------------------|----------------------|-------------|----------|
| 5150            | 49.1                 | 0.2                        | 49.3                           | 54.0                 | 4.7         | Complied |

**Results: Upper Band Edge / Average**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Duty Cycle correction (dB) | Corrected Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------------|--------------------------------|----------------------|-------------|----------|
| 5350            | 43.9                 | 0.2                        | 44.1                           | 54.0                 | 9.9         | Complied |

**Lower Band Edge****Upper Band Edge**

**Transmitter Band Edge Radiated Emissions (5.15-5.25 GHz band operation) (continued)****Results: 802.11n / 20 MHz / MIMO / 2Tx TXBF / BPSK / MCS0****Results: Lower Band Edge / Peak**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5147.821        | 59.9                 | 74.0                 | 14.1        | Complied |
| 5150            | 59.3                 | 74.0                 | 14.7        | Complied |

**Results: Upper Band Edge / Peak**

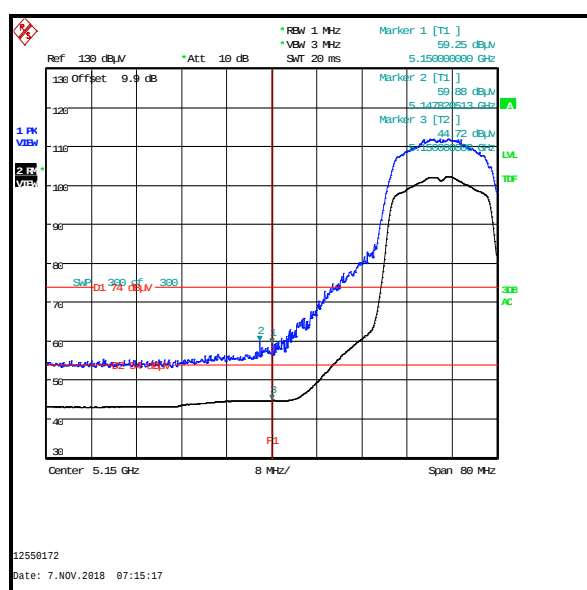
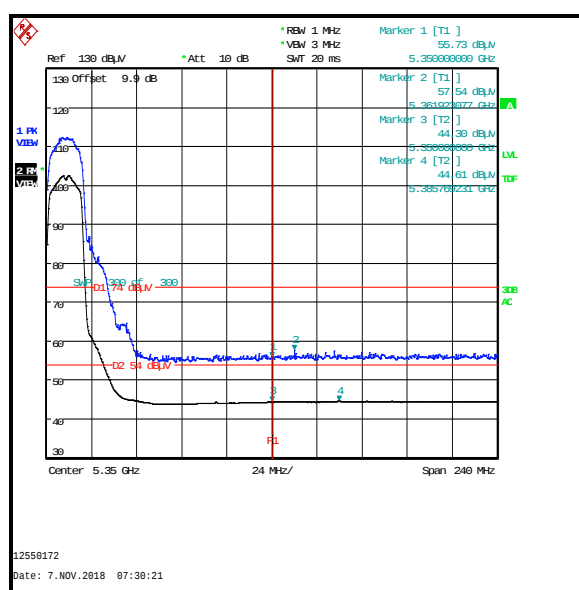
| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5350            | 55.7                 | 74.0                 | 18.3        | Complied |
| 5361.923        | 57.5                 | 74.0                 | 16.5        | Complied |

**Results: Lower Band Edge / Average**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Duty Cycle correction (dB) | Corrected Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------------|--------------------------------|----------------------|-------------|----------|
| 5150            | 44.7                 | 0.1                        | 44.8                           | 54.0                 | 9.2         | Complied |

**Results: Upper Band Edge / Average**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Duty Cycle correction (dB) | Corrected Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------------|--------------------------------|----------------------|-------------|----------|
| 5350            | 44.3                 | 0.1                        | 44.4                           | 54.0                 | 9.6         | Complied |
| 5385.769        | 44.6                 | 0.1                        | 44.7                           | 54.0                 | 9.3         | Complied |

**Lower Band Edge****Upper Band Edge**

**Transmitter Band Edge Radiated Emissions (5.15-5.25 GHz band operation) (continued)****Results: 802.11n / 40 MHz / MIMO / 2Tx TXBF / BPSK / MCS0****Results: Lower Band Edge / Peak**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5149.808        | 65.3                 | 74.0                 | 8.7         | Complied |
| 5150            | 64.8                 | 74.0                 | 9.2         | Complied |

**Results: Upper Band Edge / Peak**

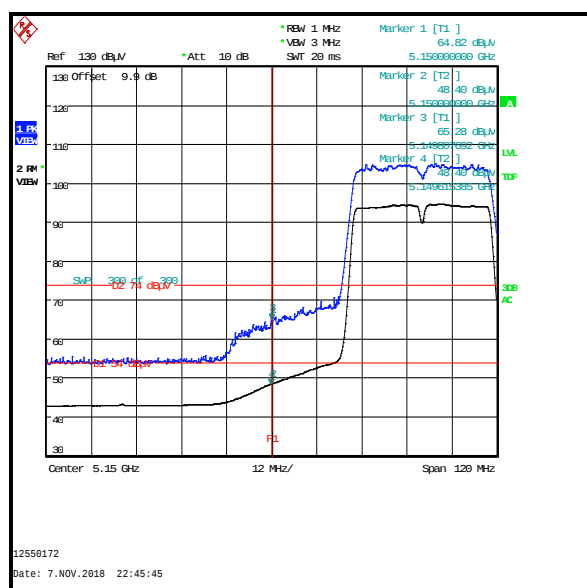
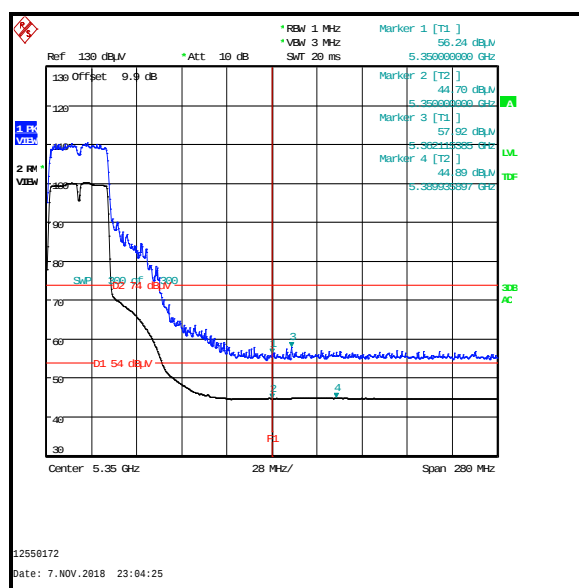
| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5350            | 56.2                 | 74.0                 | 17.8        | Complied |
| 5362.115        | 57.9                 | 74.0                 | 16.1        | Complied |

**Results: Lower Band Edge / Average**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Duty Cycle correction (dB) | Corrected Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------------|--------------------------------|----------------------|-------------|----------|
| 5150            | 48.4                 | 0.1                        | 48.5                           | 54.0                 | 5.5         | Complied |

**Results: Upper Band Edge / Average**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Duty Cycle correction (dB) | Corrected Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------------|--------------------------------|----------------------|-------------|----------|
| 5350            | 44.7                 | 0.1                        | 44.8                           | 54.0                 | 9.2         | Complied |
| 5389.936        | 44.9                 | 0.1                        | 45.0                           | 54.0                 | 9.0         | Complied |

**Lower Band Edge****Upper Band Edge**

**Transmitter Band Edge Radiated Emissions (5.15-5.25 GHz band operation) (continued)****Results: 802.11ac / 80 MHz / MIMO / 2Tx TXBF / BPSK / MCS0****Results: Lower Band Edge / Peak**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5145.513        | 66.3                 | 74.0                 | 7.7         | Complied |
| 5150            | 63.1                 | 74.0                 | 10.9        | Complied |

**Results: Upper Band Edge / Peak**

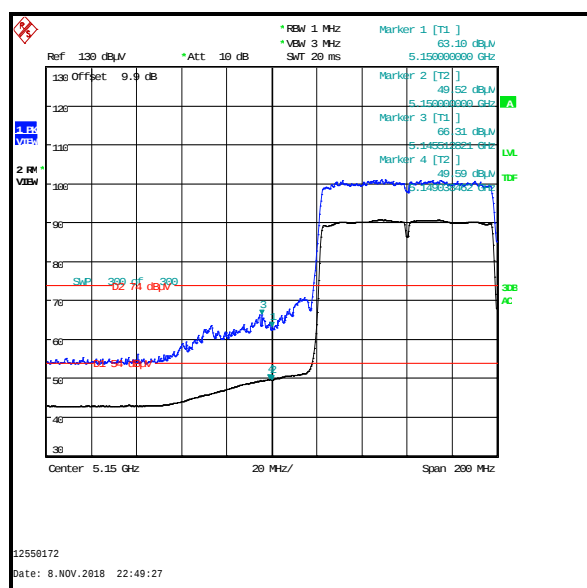
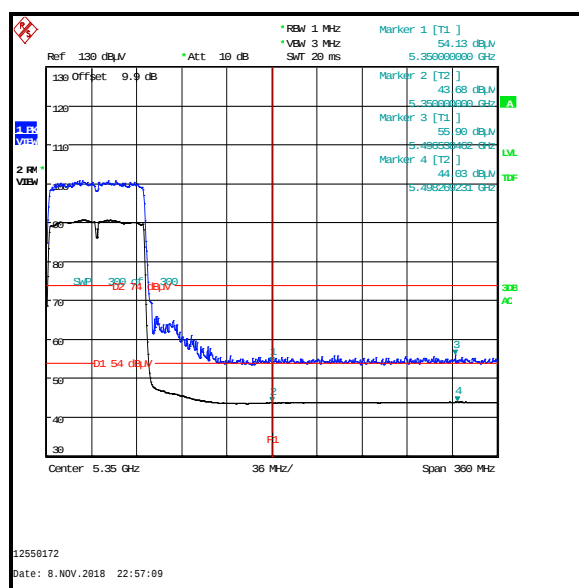
| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5350            | 54.1                 | 74.0                 | 19.9        | Complied |

**Results: Lower Band Edge / Average**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Duty Cycle correction (dB) | Corrected Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------------|--------------------------------|----------------------|-------------|----------|
| 5149.038        | 49.6                 | 0.1                        | 49.7                           | 54.0                 | 4.3         | Complied |
| 5150            | 49.5                 | 0.1                        | 49.6                           | 54.0                 | 4.4         | Complied |

**Results: Upper Band Edge / Average**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Duty Cycle correction (dB) | Corrected Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------------|--------------------------------|----------------------|-------------|----------|
| 5350            | 43.7                 | 0.1                        | 43.8                           | 54.0                 | 10.2        | Complied |

**Lower Band Edge****Upper Band Edge**

**Transmitter Band Edge Radiated Emissions (5.15-5.25 GHz band operation) (continued)****Results: 802.11n / 20 MHz / MIMO / 3Tx CDD / BPSK / MCS0****Results: Lower Band Edge / Peak**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5149.615        | 66.0                 | 74.0                 | 8.0         | Complied |
| 5150            | 65.9                 | 74.0                 | 8.1         | Complied |

**Results: Upper Band Edge / Peak**

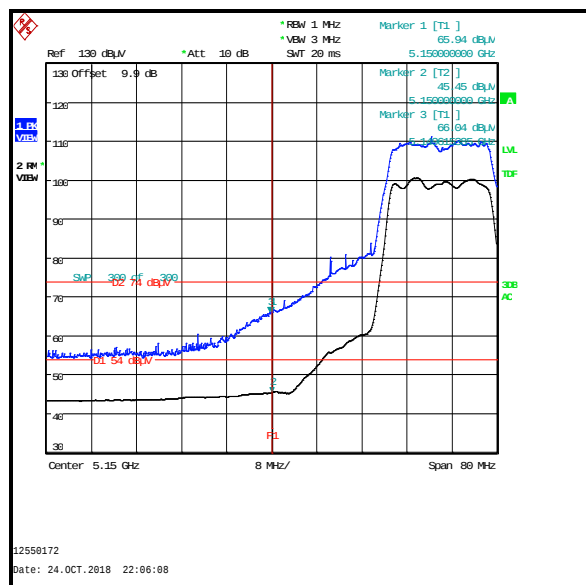
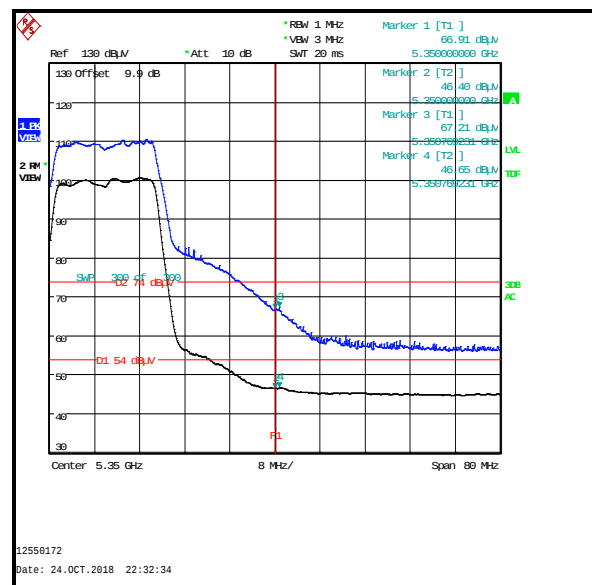
| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5350            | 66.9                 | 74.0                 | 7.1         | Complied |
| 5350.769        | 67.2                 | 74.0                 | 6.8         | Complied |

**Results: Lower Band Edge / Average**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5150            | 45.5                 | 54.0                 | 8.5         | Complied |

**Results: Upper Band Edge / Average**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5350            | 46.4                 | 54.0                 | 7.6         | Complied |
| 5350.769        | 46.7                 | 54.0                 | 7.3         | Complied |

**Lower Band Edge****Upper Band Edge**

**Transmitter Band Edge Radiated Emissions (5.15-5.25 GHz band operation) (continued)****Results: 802.11n / 40 MHz / MIMO / 3Tx CDD / BPSK / MCS0****Results: Lower Band Edge / Peak**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5150            | 60.9                 | 74.0                 | 13.1        | Complied |

**Results: Upper Band Edge / Peak**

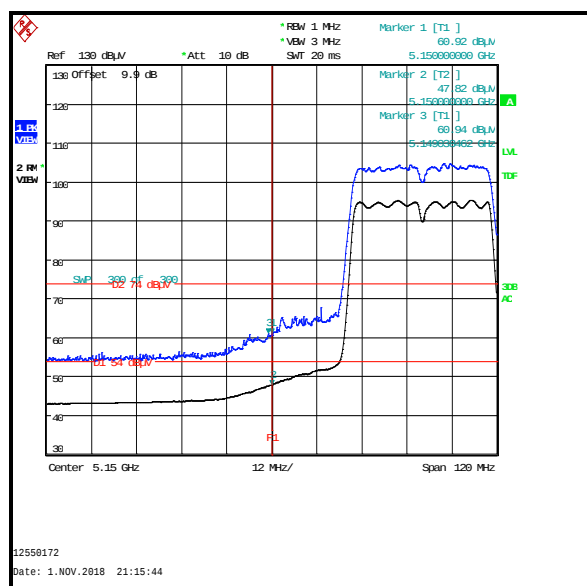
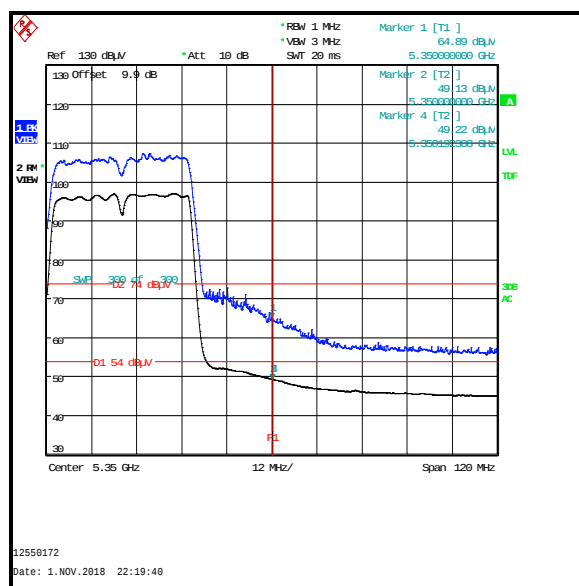
| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5350            | 64.9                 | 74.0                 | 9.1         | Complied |

**Results: Lower Band Edge / Average**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Duty Cycle correction (dB) | Corrected Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------------|--------------------------------|----------------------|-------------|----------|
| 5150            | 47.8                 | 0.1                        | 47.9                           | 54.0                 | 6.1         | Complied |

**Results: Upper Band Edge / Average**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Duty Cycle correction (dB) | Corrected Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------------|--------------------------------|----------------------|-------------|----------|
| 5350            | 49.1                 | 0.1                        | 49.2                           | 54.0                 | 4.8         | Complied |
| 5350.193        | 49.2                 | 0.1                        | 49.3                           | 54.0                 | 4.7         | Complied |

**Lower Band Edge****Upper Band Edge**

**Transmitter Band Edge Radiated Emissions (5.15-5.25 GHz band operation) (continued)****Results: 802.11ac / 80 MHz / MIMO / 3Tx CDD / BPSK / MCS0****Results: Lower Band Edge / Peak**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5140.000        | 60.6                 | 74.0                 | 13.4        | Complied |
| 5150            | 58.3                 | 74.0                 | 15.7        | Complied |

**Results: Upper Band Edge / Peak**

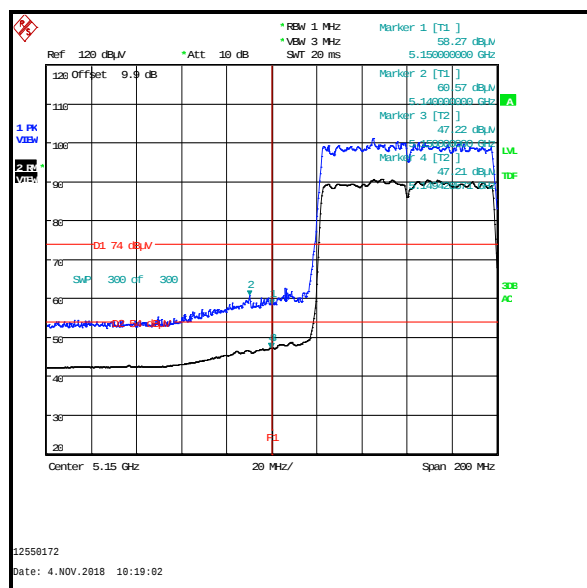
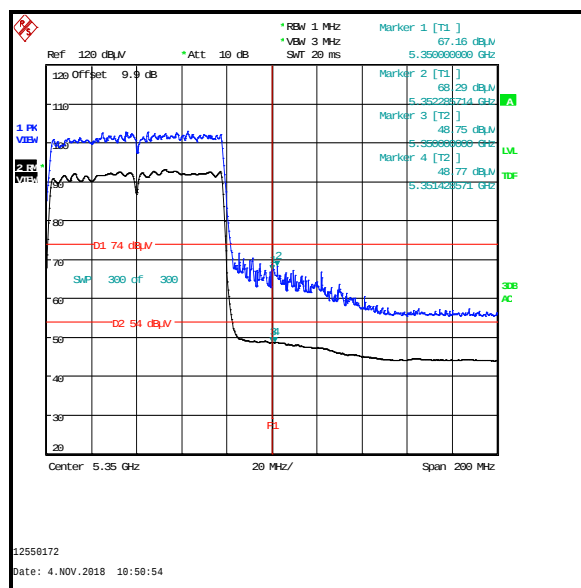
| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5350            | 67.2                 | 74.0                 | 6.8         | Complied |
| 5352.286        | 68.3                 | 74.0                 | 5.7         | Complied |

**Results: Lower Band Edge / Average**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Duty Cycle correction (dB) | Corrected Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------------|--------------------------------|----------------------|-------------|----------|
| 5150            | 47.2                 | 0.2                        | 47.4                           | 54.0                 | 6.6         | Complied |

**Results: Upper Band Edge / Average**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Duty Cycle correction (dB) | Corrected Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------------|--------------------------------|----------------------|-------------|----------|
| 5350            | 48.8                 | 0.2                        | 49.0                           | 54.0                 | 5.0         | Complied |

**Lower Band Edge****Upper Band Edge**

**Transmitter Band Edge Radiated Emissions (5.15-5.25 GHz band operation) (continued)****Results: 802.11n / 20 MHz / MIMO / 3Tx SDM / BPSK / MCS16****Results: Lower Band Edge / Peak**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5149.359        | 63.3                 | 74.0                 | 10.7        | Complied |
| 5150            | 62.8                 | 74.0                 | 11.2        | Complied |

**Results: Upper Band Edge / Peak**

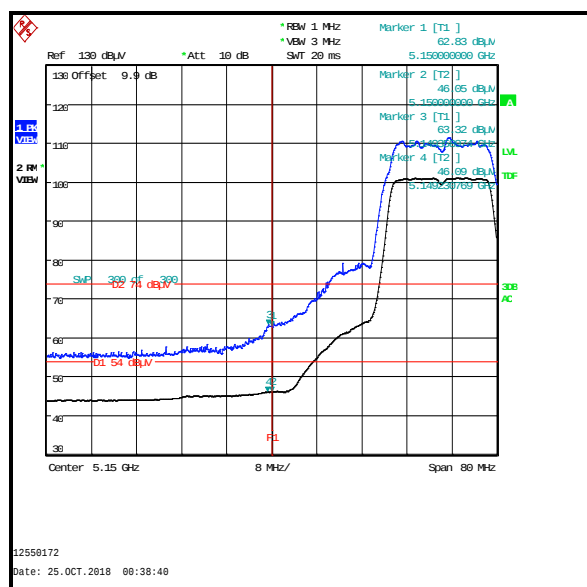
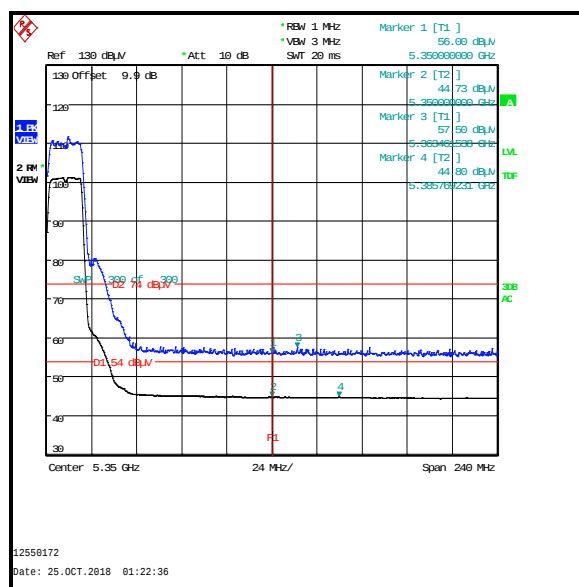
| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5350            | 56.0                 | 74.0                 | 18.0        | Complied |
| 5363.462        | 57.5                 | 74.0                 | 16.5        | Complied |

**Results: Lower Band Edge / Average**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5150            | 46.1                 | 54.0                 | 7.9         | Complied |

**Results: Upper Band Edge / Average**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5350            | 44.7                 | 54.0                 | 9.3         | Complied |
| 5385.769        | 44.8                 | 54.0                 | 9.2         | Complied |

**Lower Band Edge****Upper Band Edge**

**Transmitter Band Edge Radiated Emissions (5.15-5.25 GHz band operation) (continued)****Results: 802.11n / 40 MHz / MIMO / 3Tx SDM / BPSK / MCS16****Results: Lower Band Edge / Peak**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5145.769        | 62.7                 | 74.0                 | 11.3        | Complied |
| 5150            | 61.8                 | 74.0                 | 12.2        | Complied |

**Results: Upper Band Edge / Peak**

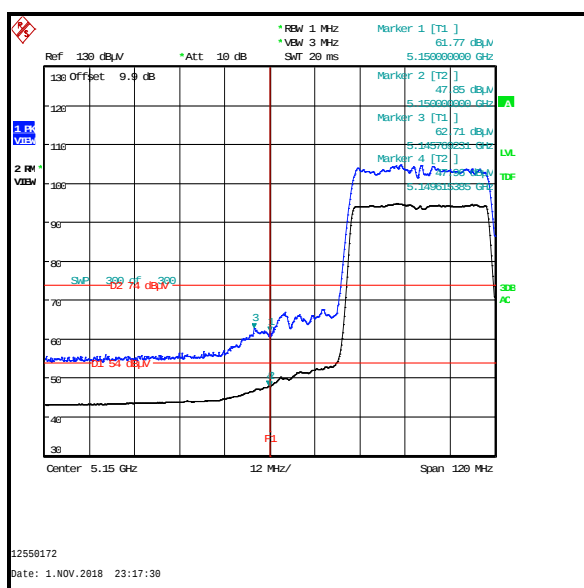
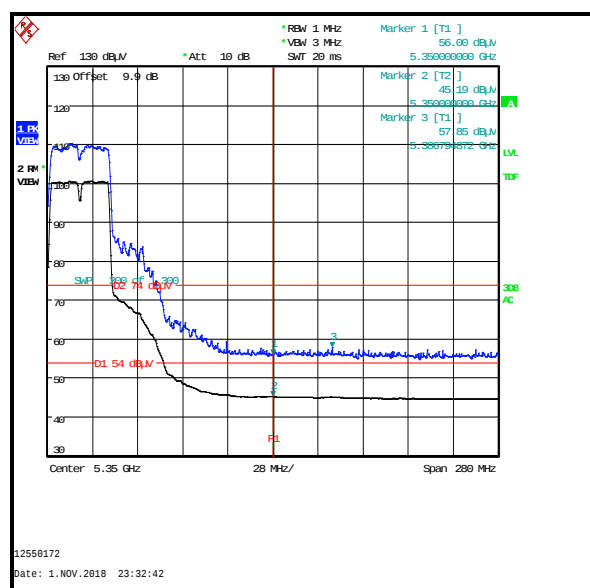
| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5350            | 56.0                 | 74.0                 | 18.0        | Complied |
| 5386.795        | 57.9                 | 74.0                 | 16.1        | Complied |

**Results: Lower Band Edge / Average**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Duty Cycle correction (dB) | Corrected Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------------|--------------------------------|----------------------|-------------|----------|
| 5149.615        | 48.0                 | 0.1                        | 48.1                           | 54.0                 | 5.9         | Complied |
| 5150            | 47.9                 | 0.1                        | 48.0                           | 54.0                 | 6.0         | Complied |

**Results: Upper Band Edge / Average**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Duty Cycle correction (dB) | Corrected Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------------|--------------------------------|----------------------|-------------|----------|
| 5350            | 45.2                 | 0.1                        | 45.3                           | 54.0                 | 8.7         | Complied |

**Lower Band Edge****Upper Band Edge**

**Transmitter Band Edge Radiated Emissions (5.15-5.25 GHz band operation) (continued)****Results: 802.11ac / 80 MHz / MIMO / 3Tx SDM / BPSK / MCS0x3****Results: Lower Band Edge / Peak**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5149.143        | 61.7                 | 74.0                 | 12.3        | Complied |
| 5150            | 59.6                 | 74.0                 | 14.4        | Complied |

**Results: Upper Band Edge / Peak**

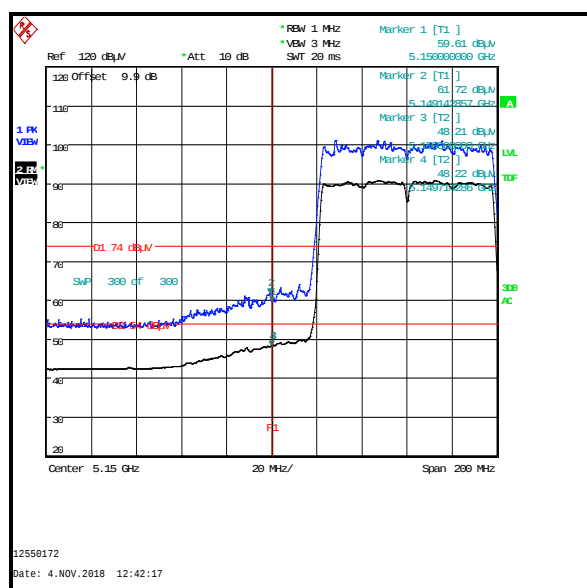
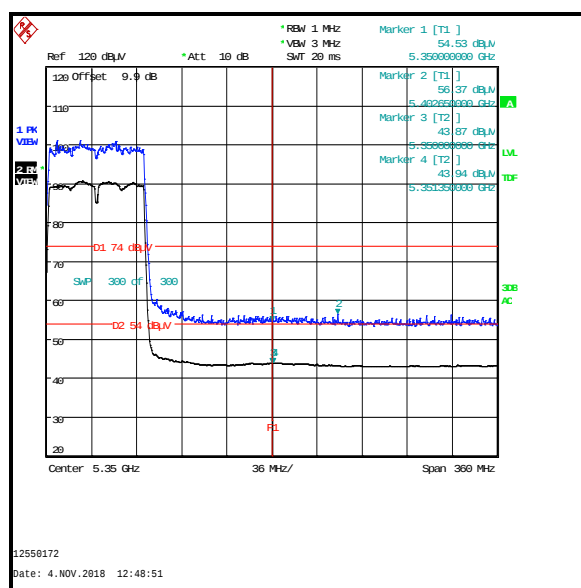
| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5350            | 54.5                 | 74.0                 | 19.5        | Complied |
| 5402.650        | 56.4                 | 74.0                 | 17.6        | Complied |

**Results: Lower Band Edge / Average**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Duty Cycle correction (dB) | Corrected Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------------|--------------------------------|----------------------|-------------|----------|
| 5150            | 48.2                 | 0.2                        | 48.4                           | 54.0                 | 5.6         | Complied |

**Results: Upper Band Edge / Average**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Duty Cycle correction (dB) | Corrected Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------------|--------------------------------|----------------------|-------------|----------|
| 5350            | 43.9                 | 0.2                        | 44.1                           | 54.0                 | 9.9         | Complied |

**Lower Band Edge****Upper Band Edge**

**Transmitter Band Edge Radiated Emissions (5.15-5.25 GHz band operation) (continued)****Results: 802.11n / 20 MHz / MIMO / 3Tx TXBF / BPSK / MCS0****Results: Lower Band Edge / Peak**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5140.256        | 57.2                 | 74.0                 | 16.8        | Complied |
| 5150            | 56.1                 | 74.0                 | 17.9        | Complied |

**Results: Upper Band Edge / Peak**

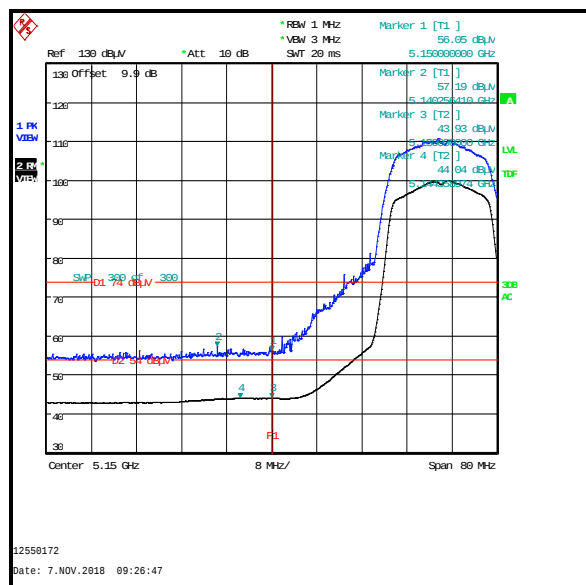
| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5350            | 54.5                 | 74.0                 | 19.5        | Complied |
| 5443.846        | 56.9                 | 74.0                 | 17.1        | Complied |

**Results: Lower Band Edge / Average**

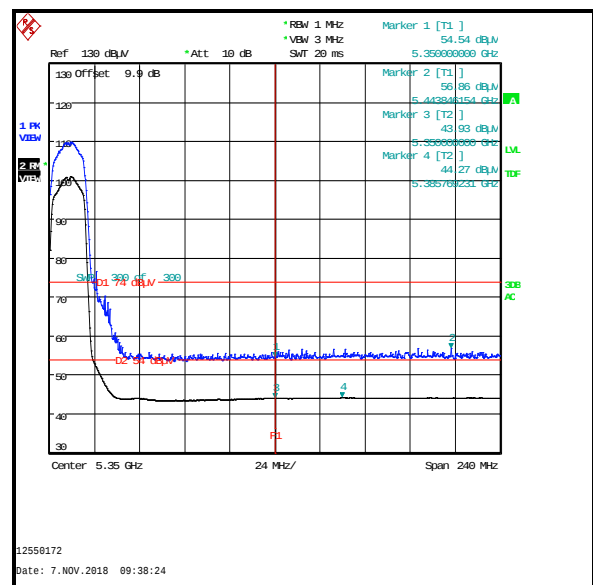
| Frequency (MHz) | Level (dB $\mu$ V/m) | Duty Cycle correction (dB) | Corrected Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------------|--------------------------------|----------------------|-------------|----------|
| 5144.359        | 44.0                 | 0.1                        | 44.1                           | 54.0                 | 9.9         | Complied |
| 5150            | 43.9                 | 0.1                        | 44.0                           | 54.0                 | 10.0        | Complied |

**Results: Upper Band Edge / Average**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Duty Cycle correction (dB) | Corrected Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------------|--------------------------------|----------------------|-------------|----------|
| 5350            | 43.9                 | 0.1                        | 44.0                           | 54.0                 | 10.0        | Complied |
| 5385.769        | 44.3                 | 0.1                        | 44.4                           | 54.0                 | 9.6         | Complied |



Lower Band Edge



Upper Band Edge

**Transmitter Band Edge Radiated Emissions (5.15-5.25 GHz band operation) (continued)****Results: 802.11n / 40 MHz / MIMO / 3Tx TXBF / BPSK / MCS0****Results: Lower Band Edge / Peak**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5148.077        | 63.8                 | 74.0                 | 10.2        | Complied |
| 5150            | 61.2                 | 74.0                 | 12.8        | Complied |

**Results: Upper Band Edge / Peak**

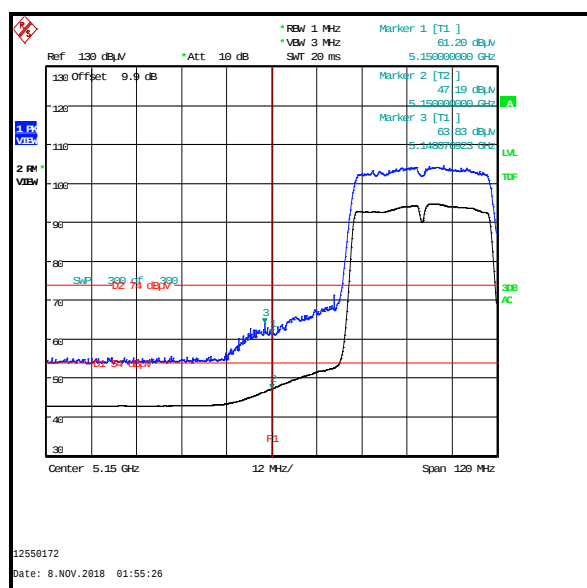
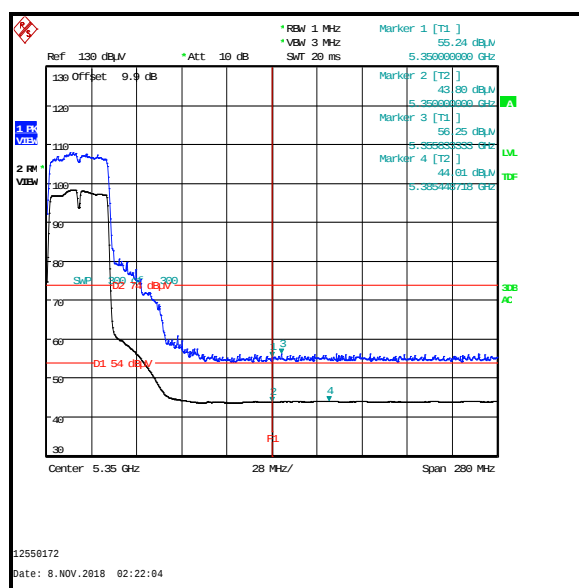
| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5350            | 55.2                 | 74.0                 | 18.8        | Complied |
| 5355.833        | 56.3                 | 74.0                 | 17.7        | Complied |

**Results: Lower Band Edge / Average**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Duty Cycle correction (dB) | Corrected Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------------|--------------------------------|----------------------|-------------|----------|
| 5150            | 47.2                 | 0.1                        | 47.3                           | 54.0                 | 6.7         | Complied |

**Results: Upper Band Edge / Average**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Duty Cycle correction (dB) | Corrected Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------------|--------------------------------|----------------------|-------------|----------|
| 5350            | 43.8                 | 0.1                        | 43.9                           | 54.0                 | 10.1        | Complied |
| 5385.449        | 44.0                 | 0.1                        | 44.1                           | 54.0                 | 9.9         | Complied |

**Lower Band Edge****Upper Band Edge**

**Transmitter Band Edge Radiated Emissions (5.15-5.25 GHz band operation) (continued)****Results: 802.11ac / 80 MHz / MIMO / 3Tx TXBF / BPSK / MCS0****Results: Lower Band Edge / Peak**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5148.077        | 64.1                 | 74.0                 | 9.9         | Complied |
| 5150            | 62.7                 | 74.0                 | 11.3        | Complied |

**Results: Upper Band Edge / Peak**

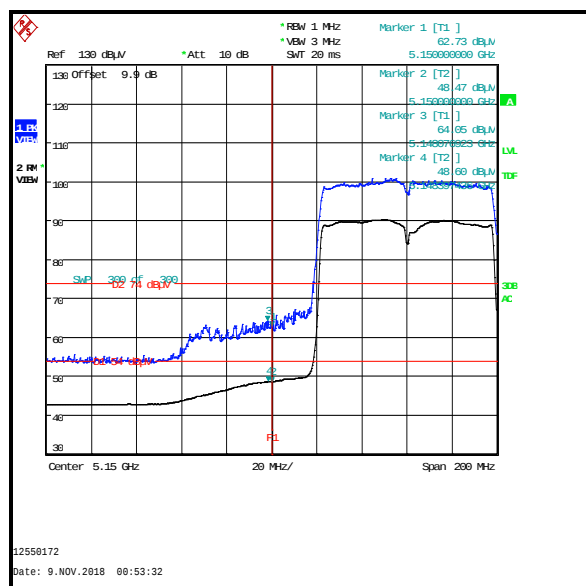
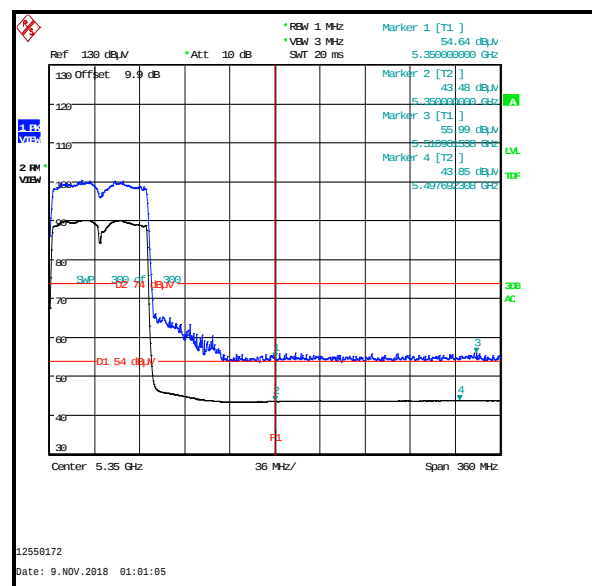
| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5350            | 54.6                 | 74.0                 | 19.4        | Complied |

**Results: Lower Band Edge / Average**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Duty Cycle correction (dB) | Corrected Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------------|--------------------------------|----------------------|-------------|----------|
| 5146.397        | 48.6                 | 0.1                        | 48.7                           | 54.0                 | 5.3         | Complied |
| 5150            | 48.5                 | 0.1                        | 48.6                           | 54.0                 | 5.4         | Complied |

**Results: Upper Band Edge / Average**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Duty Cycle correction (dB) | Corrected Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------------|--------------------------------|----------------------|-------------|----------|
| 5350            | 43.5                 | 0.1                        | 43.6                           | 54.0                 | 10.4        | Complied |

**Lower Band Edge****Upper Band Edge**

**Transmitter Band Edge Radiated Emissions (5.25-5.35 GHz band)****5.3.2. 5.25-5.35 GHz band****Test Summary:**

|                                   |                                                    |                    |                                        |
|-----------------------------------|----------------------------------------------------|--------------------|----------------------------------------|
| <b>Test Engineers:</b>            | Marco Zunarelli,<br>John Ferdinand &<br>Mark Perry | <b>Test Dates:</b> | 19 October 2018 to<br>09 November 2018 |
| <b>Test Sample Serial Number:</b> | C02WW00PKFMM                                       |                    |                                        |

|                          |                                             |
|--------------------------|---------------------------------------------|
| <b>FCC Reference:</b>    | Parts 15.407(b)(2),(7), 15.205 & 15.209(a)  |
| <b>Test Method Used:</b> | ANSI C63.10 Section 6.10 & KDB 789033 II.G. |

**Environmental Conditions:**

|                               |          |
|-------------------------------|----------|
| <b>Temperature (°C):</b>      | 23 to 25 |
| <b>Relative Humidity (%):</b> | 40 to 50 |

**Transmitter Band Edge Radiated Emissions (5.25-5.35 GHz band operation) (continued)****Note(s):**

1. The following modes were tested:

- o 802.11a - BPSK / 6 Mbps / Core 2
- o 802.11n HT20 / SISO - BPSK / MCS0 / Core 2
- o 802.11n HT40 / SISO - BPSK / MCS0 / Core 2
- o 802.11ac VHT80 / SISO – BPSK / MCS0x1 / Core 2
- o 802.11n HT20 / MIMO / 2Tx CDD - BPSK / MCS0
- o 802.11n HT40 / MIMO / 2Tx CDD - BPSK / MCS0
- o 802.11ac VHT80 / MIMO / 2Tx CDD - BPSK / MCS0x1
- o 802.11n HT20 / MIMO / 2Tx SDM - BPSK / MCS8
- o 802.11n HT40 / MIMO / 2Tx SDM - BPSK / MCS8
- o 802.11ac VHT80 / MIMO / 2Tx SDM - BPSK / MCS0x2
- o 802.11n HT20 / MIMO / 2Tx TxBF - BPSK / MCS0
- o 802.11n HT40 / MIMO / 2Tx TxBF - BPSK / MCS0
- o 802.11ac VHT80 / MIMO / 2Tx TxBF - BPSK / MCS0x1
- o 802.11n HT20 / MIMO / 3Tx CDD - BPSK / MCS0
- o 802.11n HT40 / MIMO / 3Tx CDD - BPSK / MCS0
- o 802.11ac VHT80 / MIMO / 3Tx CDD - BPSK / MCS0x1
- o 802.11n HT20 / MIMO / 3Tx SDM - BPSK / MCS16
- o 802.11n HT40 / MIMO / 3Tx SDM - BPSK / MCS16
- o 802.11ac VHT80 / MIMO / 3Tx SDM - BPSK / MCS0x3
- o 802.11n HT20 / MIMO / 3Tx TxBF - BPSK / MCS0
- o 802.11n HT40 / MIMO / 3Tx TxBF - BPSK / MCS0
- o 802.11ac VHT80 / MIMO / 3Tx TxBF - BPSK / MCS0x1

2. Lower band edge measurements were performed with the EUT transmitting on the bottom channel. Upper band edge measurements were performed with the EUT transmitting on the top channel.

3. For transmitters operating in the 5.25-5.35 GHz band: all emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of -27 dBm/MHz. However, there are restricted bands of operation below the lower band edge at 4.5-5.15 GHz and also above the upper band edge at 5.35-5.46 GHz therefore the provisions of FCC Part 15.205 apply. Tests were performed in these restricted bands of operation with the EUT transmitting on the bottom and top channels within 5.25-5.35 GHz band, the results are included in the transmitter 5.725-5.85 GHz band radiated spurious emissions section of this test report.

4. Field strength measurements using peak and average detectors were performed in the restricted bands below 5.15 GHz and above 5.35 GHz. Field strength and EIRP results were found to be compliant with the restricted band limits and Part 15.407 out-of-band limits.

5. For all average measurements in this section, 300 sweeps were used. This satisfies the requirement for the minimum number of sweep points, as stated in KDB 789033 Section II.G.6.c) Method AD (vi).

6. In accordance with KDB 789033 Section II.G.6.c) Method AD (vii), for average measurements, data rates where the EUT was transmitting <98% duty cycle, the duty cycle correction factor calculated in section 4.1 was added to the measured result.

**Transmitter Band Edge Radiated Emissions (5.25-5.35 GHz band operation) (continued)****Results: 802.11a / 20 MHz / SISO / BPSK / 6 Mbps / Core 2****Results: Lower Band Edge / Peak**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5141.154        | 56.4                 | 74.0                 | 17.6        | Complied |
| 5150            | 55.2                 | 74.0                 | 18.8        | Complied |

**Results: Upper Band Edge / Peak**

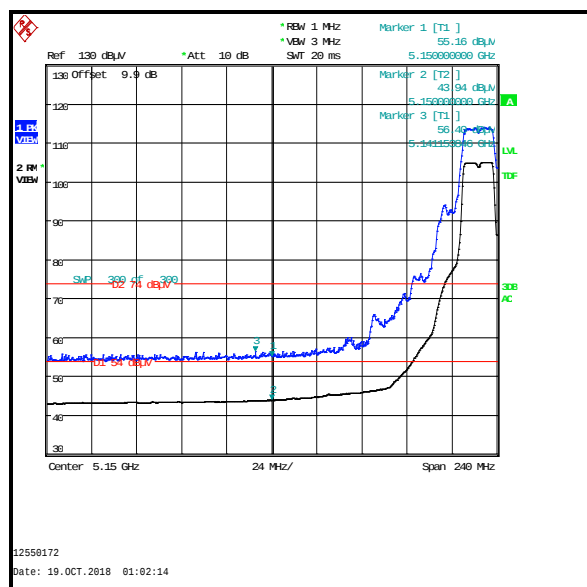
| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5350            | 66.4                 | 74.0                 | 7.6         | Complied |

**Results: Lower Band Edge / Average**

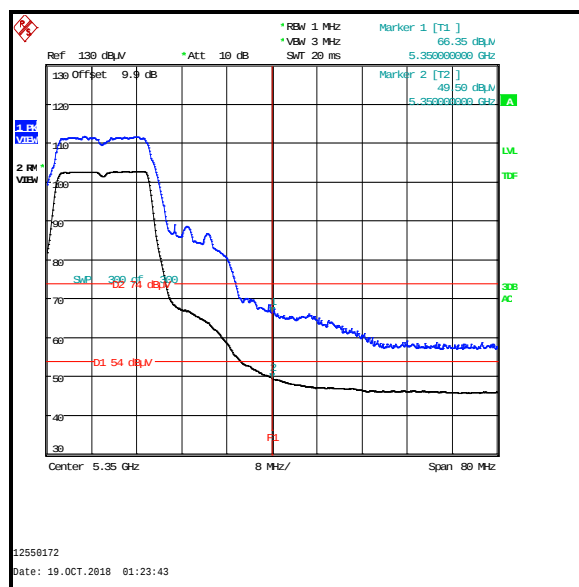
| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5150            | 43.9                 | 54.0                 | 10.1        | Complied |

**Results: Upper Band Edge / Average**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5350            | 49.5                 | 54.0                 | 4.5         | Complied |



Lower Band Edge



Upper Band Edge

**Transmitter Band Edge Radiated Emissions (5.25-5.35 GHz band operation) (continued)****Results: 802.11n / 20 MHz / SISO / BPSK / MCS0 / Core 2****Results: Lower Band Edge / Peak**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5140.000        | 56.1                 | 74.0                 | 17.9        | Complied |
| 5150            | 54.9                 | 74.0                 | 19.1        | Complied |

**Results: Upper Band Edge / Peak**

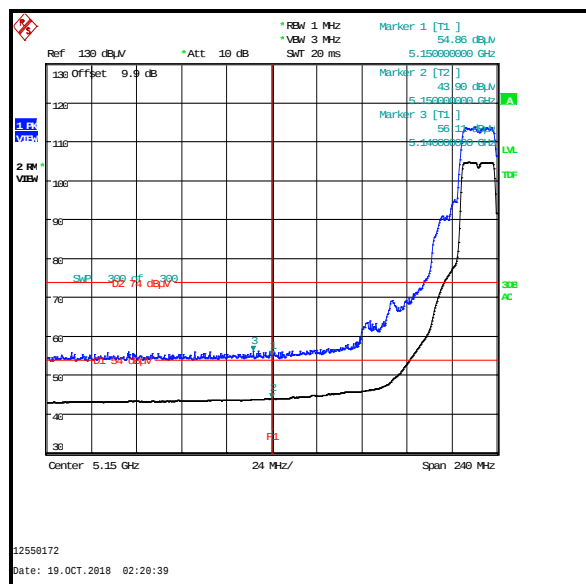
| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5350            | 64.7                 | 74.0                 | 9.3         | Complied |
| 5350.641        | 66.7                 | 74.0                 | 7.3         | Complied |

**Results: Lower Band Edge / Average**

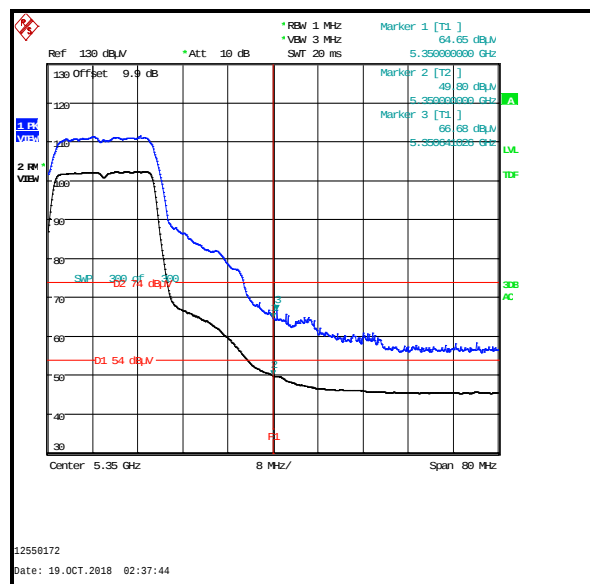
| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5150            | 43.9                 | 54.0                 | 10.1        | Complied |

**Results: Upper Band Edge / Average**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5350            | 49.8                 | 54.0                 | 5.2         | Complied |



Lower Band Edge



Upper Band Edge

**Transmitter Band Edge Radiated Emissions (5.25-5.35 GHz band operation) (continued)****Results: 802.11n / 40 MHz / SISO / BPSK / MCS0 / Core 2****Results: Lower Band Edge / Peak**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5138.782        | 55.9                 | 74.0                 | 18.1        | Complied |
| 5150            | 55.2                 | 74.0                 | 18.8        | Complied |

**Results: Upper Band Edge / Peak**

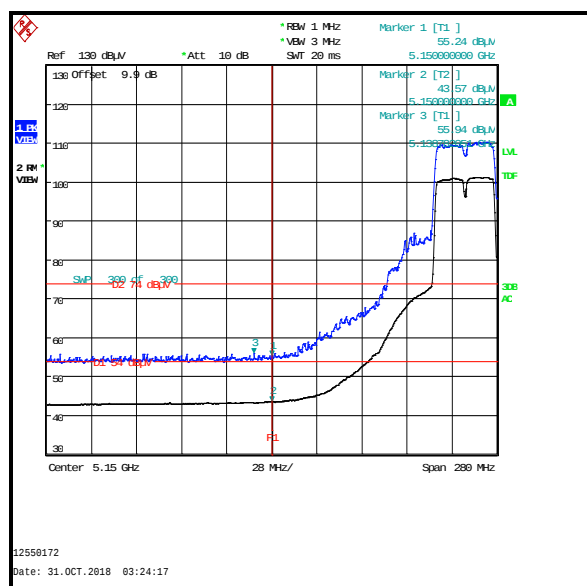
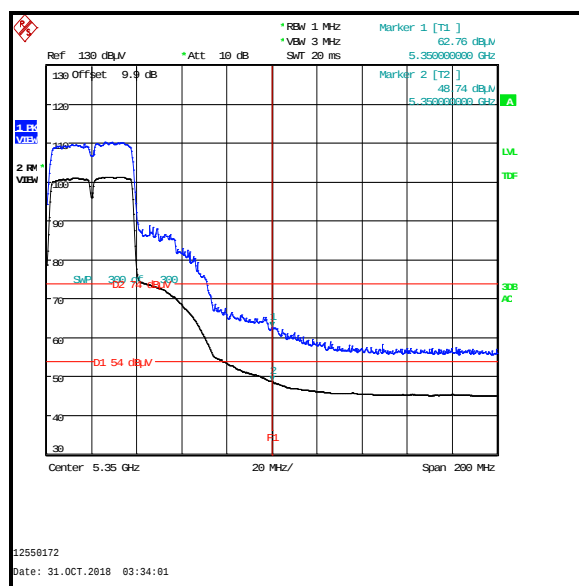
| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5350            | 62.8                 | 74.0                 | 11.2        | Complied |

**Results: Lower Band Edge / Average**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Duty Cycle correction (dB) | Corrected Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------------|--------------------------------|----------------------|-------------|----------|
| 5150            | 43.6                 | 0.1                        | 43.7                           | 54.0                 | 10.3        | Complied |

**Results: Upper Band Edge / Average**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Duty Cycle correction (dB) | Corrected Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------------|--------------------------------|----------------------|-------------|----------|
| 5350            | 48.7                 | 0.1                        | 48.8                           | 54.0                 | 5.2         | Complied |

**Lower Band Edge****Upper Band Edge**

**Transmitter Band Edge Radiated Emissions (5.25-5.35 GHz band operation) (continued)****Results: 802.11ac / 80 MHz / SISO / BPSK / MCS0 / Core 2****Results: Lower Band Edge / Peak**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5115.385        | 55.8                 | 74.0                 | 18.2        | Complied |
| 5150            | 53.7                 | 74.0                 | 20.3        | Complied |

**Results: Upper Band Edge / Peak**

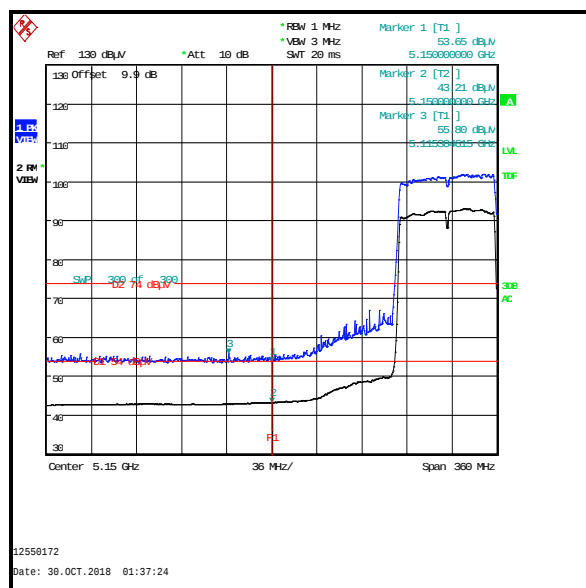
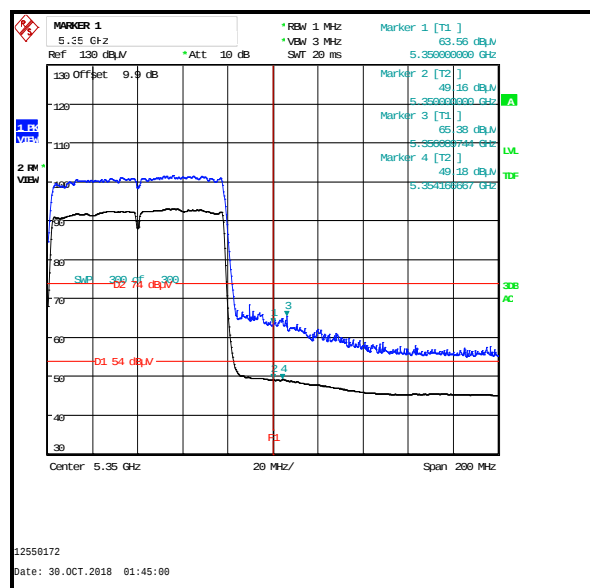
| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5350            | 63.6                 | 74.0                 | 10.4        | Complied |
| 5356.090        | 65.4                 | 74.0                 | 8.6         | Complied |

**Results: Lower Band Edge / Average**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Duty Cycle correction (dB) | Corrected Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------------|--------------------------------|----------------------|-------------|----------|
| 5150            | 43.2                 | 0.2                        | 43.4                           | 54.0                 | 10.6        | Complied |

**Results: Upper Band Edge / Average**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Duty Cycle correction (dB) | Corrected Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------------|--------------------------------|----------------------|-------------|----------|
| 5350            | 49.2                 | 0.2                        | 49.4                           | 54.0                 | 4.6         | Complied |

**Lower Band Edge****Upper Band Edge**

**Transmitter Band Edge Radiated Emissions (5.25-5.35 GHz band operation) (continued)****Results: 802.11n / 20 MHz / MIMO / 2Tx CDD / BPSK / MCS0****Results: Lower Band Edge / Peak**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5148.846        | 55.8                 | 74.0                 | 18.2        | Complied |
| 5150            | 54.2                 | 74.0                 | 19.8        | Complied |

**Results: Upper Band Edge / Peak**

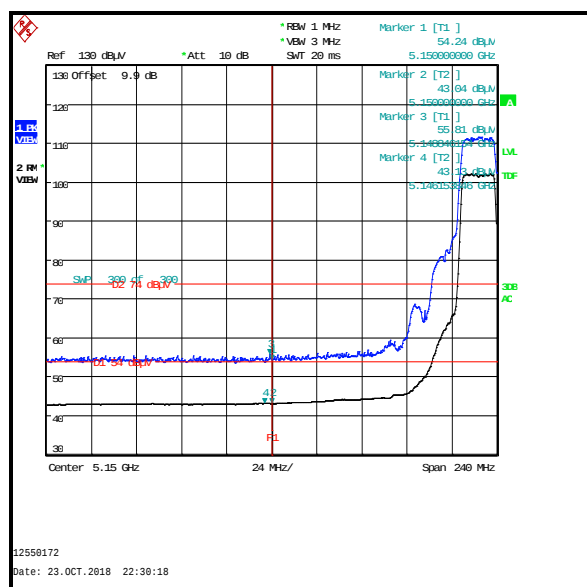
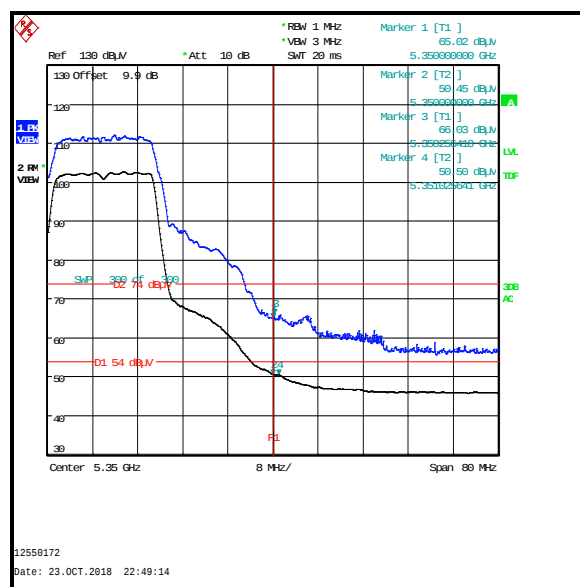
| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5350            | 65.0                 | 74.0                 | 9.0         | Complied |
| 5350.256        | 66.0                 | 74.0                 | 8.0         | Complied |

**Results: Lower Band Edge / Average**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5146.153        | 43.1                 | 54.0                 | 10.9        | Complied |
| 5150            | 43.0                 | 54.0                 | 11.0        | Complied |

**Results: Upper Band Edge / Average**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5350            | 50.5                 | 54.0                 | 3.5         | Complied |

**Lower Band Edge****Upper Band Edge**

**Transmitter Band Edge Radiated Emissions (5.25-5.35 GHz band operation) (continued)****Results: 802.11n / 40 MHz / MIMO / 2Tx CDD / BPSK / MCS0****Results: Lower Band Edge / Peak**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5079.103        | 56.0                 | 74.0                 | 18.0        | Complied |
| 5150            | 54.3                 | 74.0                 | 19.7        | Complied |

**Results: Upper Band Edge / Peak**

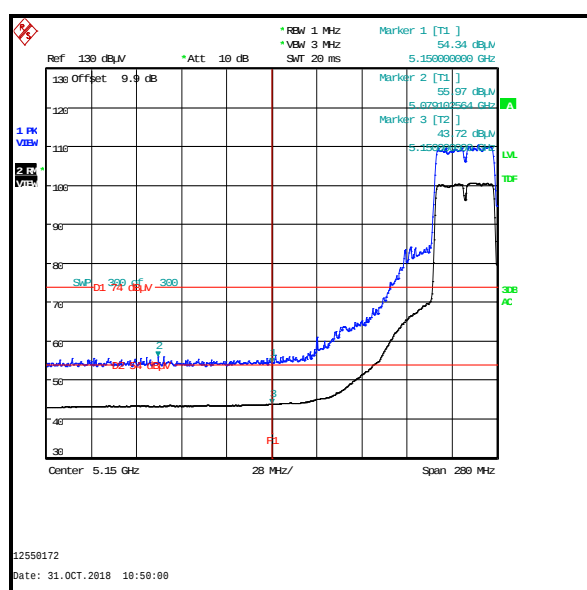
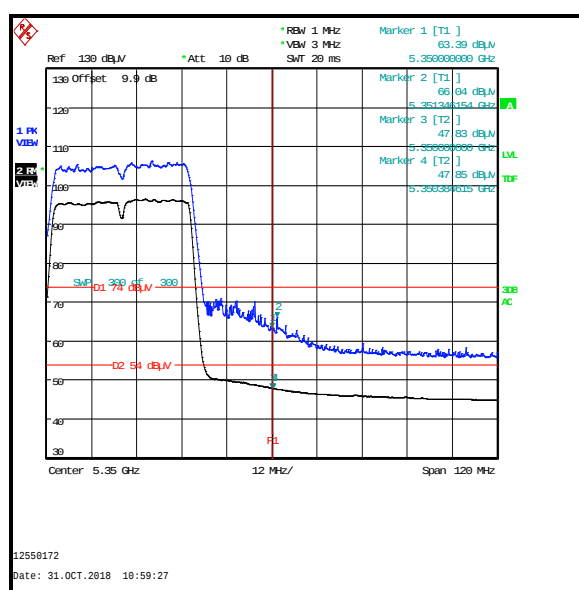
| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5350            | 63.4                 | 74.0                 | 10.6        | Complied |
| 5351.346        | 66.0                 | 74.0                 | 8.0         | Complied |

**Results: Lower Band Edge / Average**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Duty Cycle correction (dB) | Corrected Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------------|--------------------------------|----------------------|-------------|----------|
| 5150            | 43.7                 | 0.1                        | 43.8                           | 54.0                 | 10.2        | Complied |

**Results: Upper Band Edge / Average**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Duty Cycle correction (dB) | Corrected Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------------|--------------------------------|----------------------|-------------|----------|
| 5350            | 47.8                 | 0.1                        | 47.9                           | 54.0                 | 6.1         | Complied |
| 5350.385        | 47.9                 | 0.1                        | 48.0                           | 54.0                 | 6.0         | Complied |

**Lower Band Edge****Upper Band Edge**

**Transmitter Band Edge Radiated Emissions (5.25-5.35 GHz band operation) (continued)****Results: 802.11ac / 80 MHz / MIMO / 2Tx CDD / BPSK / MCS0****Results: Lower Band Edge / Peak**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5139.615        | 54.9                 | 74.0                 | 19.1        | Complied |
| 5150            | 53.9                 | 74.0                 | 20.1        | Complied |

**Results: Upper Band Edge / Peak**

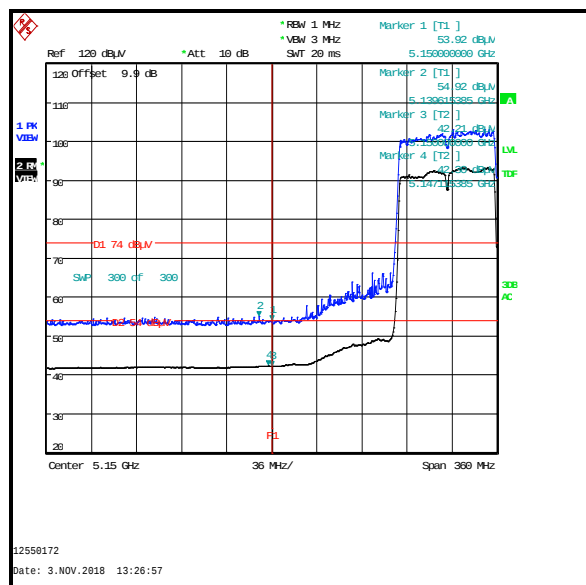
| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5350            | 63.4                 | 74.0                 | 10.6        | Complied |
| 5355.128        | 67.3                 | 74.0                 | 6.7         | Complied |

**Results: Lower Band Edge / Average**

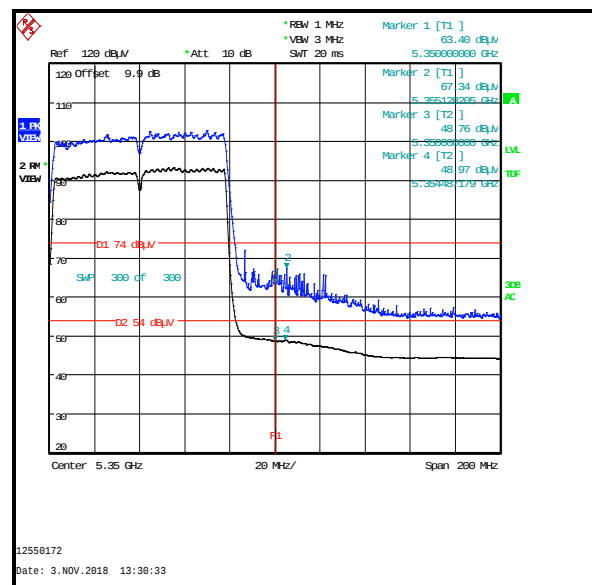
| Frequency (MHz) | Level (dB $\mu$ V/m) | Duty Cycle correction (dB) | Corrected Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------------|--------------------------------|----------------------|-------------|----------|
| 5147.115        | 42.3                 | 0.2                        | 42.5                           | 54.0                 | 11.5        | Complied |
| 5150            | 42.2                 | 0.2                        | 42.4                           | 54.0                 | 11.6        | Complied |

**Results: Upper Band Edge / Average**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Duty Cycle correction (dB) | Corrected Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------------|--------------------------------|----------------------|-------------|----------|
| 5350            | 48.8                 | 0.2                        | 49.0                           | 54.0                 | 5.0         | Complied |
| 5354.487        | 49.0                 | 0.2                        | 49.2                           | 54.0                 | 4.8         | Complied |



Lower Band Edge



Upper Band Edge

**Transmitter Band Edge Radiated Emissions (5.25-5.35 GHz band operation) (continued)****Results: 802.11n / 20 MHz / MIMO / 2Tx SDM / BPSK / MCS8****Results: Lower Band Edge / Peak**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5095.000        | 56.0                 | 74.0                 | 18.0        | Complied |
| 5150            | 54.5                 | 74.0                 | 19.5        | Complied |

**Results: Upper Band Edge / Peak**

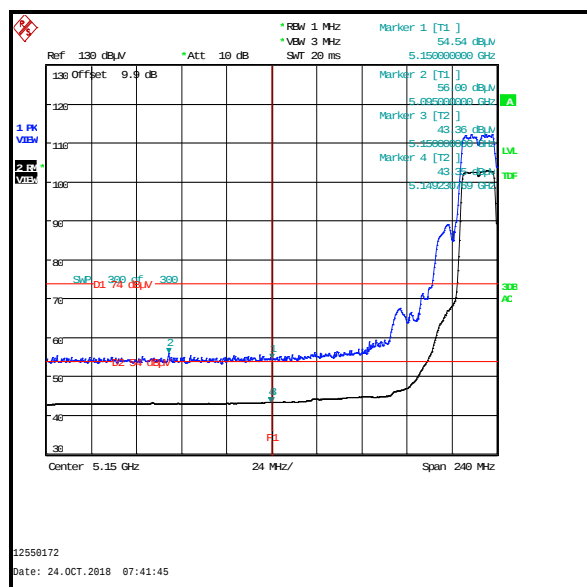
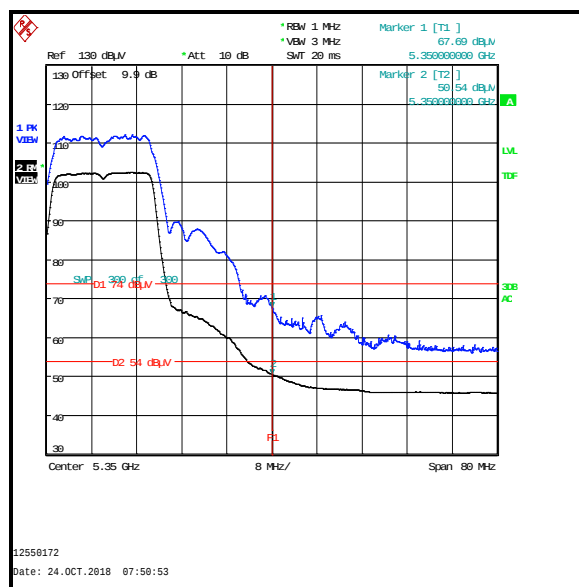
| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5350            | 67.7                 | 74.0                 | 6.3         | Complied |

**Results: Lower Band Edge / Average**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5150            | 43.4                 | 54.0                 | 10.6        | Complied |

**Results: Upper Band Edge / Average**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5350            | 50.5                 | 54.0                 | 3.5         | Complied |

**Lower Band Edge****Upper Band Edge**

**Transmitter Band Edge Radiated Emissions (5.25-5.35 GHz band operation) (continued)****Results: 802.11n / 40 MHz / MIMO / 2Tx SDM / BPSK / MCS8****Results: Lower Band Edge / Peak**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5144.615        | 55.6                 | 74.0                 | 18.4        | Complied |
| 5150            | 53.5                 | 74.0                 | 20.5        | Complied |

**Results: Upper Band Edge / Peak**

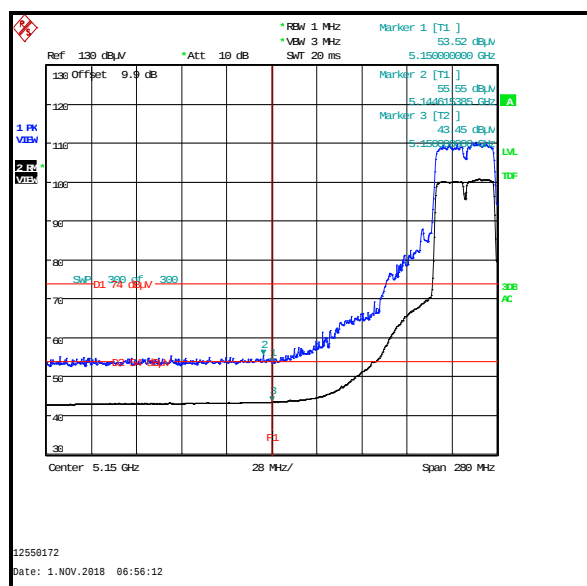
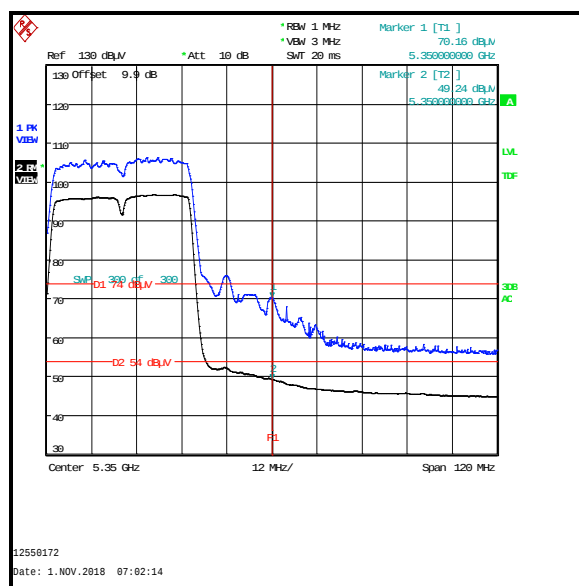
| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5350            | 70.2                 | 74.0                 | 3.8         | Complied |

**Results: Lower Band Edge / Average**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Duty Cycle correction (dB) | Corrected Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------------|--------------------------------|----------------------|-------------|----------|
| 5150            | 43.5                 | 0.1                        | 43.6                           | 54.0                 | 10.4        | Complied |

**Results: Upper Band Edge / Average**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Duty Cycle correction (dB) | Corrected Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------------|--------------------------------|----------------------|-------------|----------|
| 5350            | 49.2                 | 0.1                        | 49.3                           | 54.0                 | 4.7         | Complied |

**Lower Band Edge****Upper Band Edge**

**Transmitter Band Edge Radiated Emissions (5.25-5.35 GHz band operation) (continued)****Results: 802.11ac / 80 MHz / MIMO / 2Tx SDM / BPSK / MCS0x2****Results: Lower Band Edge / Peak**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5049.038        | 54.8                 | 74.0                 | 19.2        | Complied |
| 5150            | 53.7                 | 74.0                 | 20.3        | Complied |

**Results: Upper Band Edge / Peak**

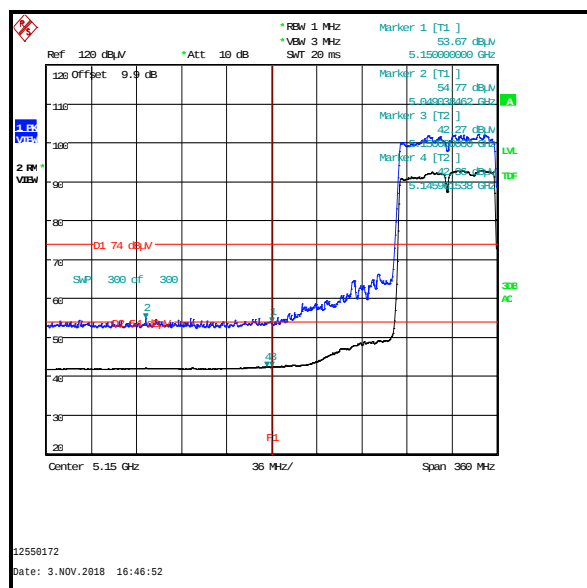
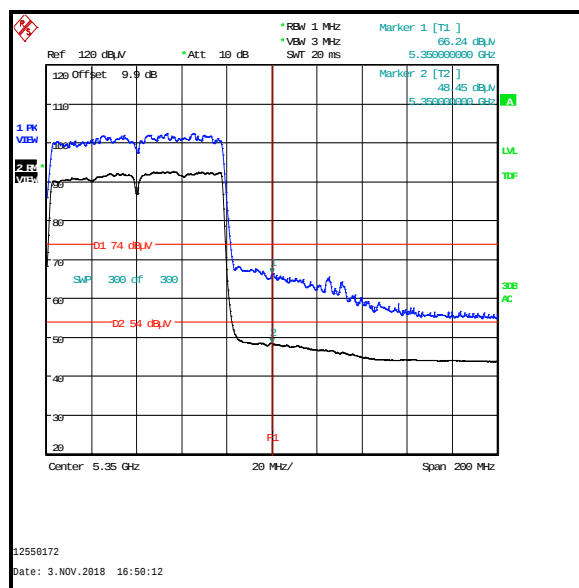
| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5350            | 66.2                 | 74.0                 | 7.8         | Complied |

**Results: Lower Band Edge / Average**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Duty Cycle correction (dB) | Corrected Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------------|--------------------------------|----------------------|-------------|----------|
| 5145.962        | 42.4                 | 0.2                        | 42.6                           | 54.0                 | 11.4        | Complied |
| 5150            | 42.3                 | 0.2                        | 42.5                           | 54.0                 | 11.5        | Complied |

**Results: Upper Band Edge / Average**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Duty Cycle correction (dB) | Corrected Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------------|--------------------------------|----------------------|-------------|----------|
| 5350            | 48.5                 | 0.2                        | 48.7                           | 54.0                 | 5.3         | Complied |

**Lower Band Edge****Upper Band Edge**

**Transmitter Band Edge Radiated Emissions (5.25-5.35 GHz band operation) (continued)****Results: 802.11n / 20 MHz / MIMO / 2Tx TXBF / BPSK / MCS0****Results: Lower Band Edge / Peak**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5086.923        | 55.3                 | 74.0                 | 18.7        | Complied |
| 5150            | 53.8                 | 74.0                 | 20.2        | Complied |

**Results: Upper Band Edge / Peak**

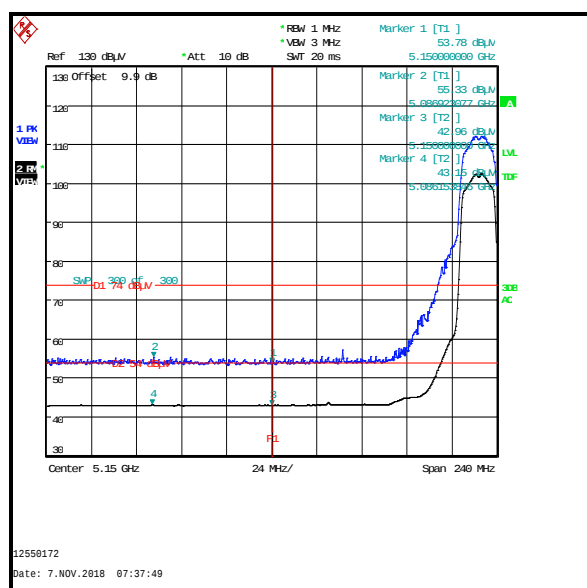
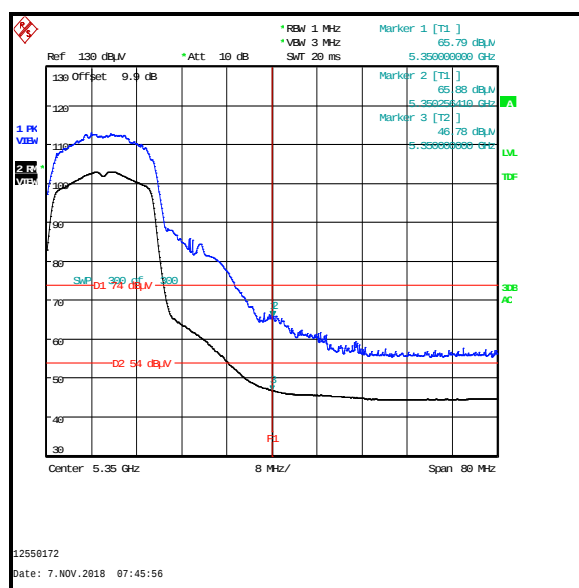
| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5350            | 65.8                 | 74.0                 | 8.2         | Complied |
| 5350.256        | 65.9                 | 74.0                 | 8.1         | Complied |

**Results: Lower Band Edge / Average**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Duty Cycle correction (dB) | Corrected Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------------|--------------------------------|----------------------|-------------|----------|
| 5086.154        | 43.2                 | 0.1                        | 43.3                           | 54.0                 | 10.7        | Complied |
| 5150            | 43.0                 | 0.1                        | 43.1                           | 54.0                 | 10.9        | Complied |

**Results: Upper Band Edge / Average**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Duty Cycle correction (dB) | Corrected Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------------|--------------------------------|----------------------|-------------|----------|
| 5350            | 46.8                 | 0.1                        | 46.9                           | 54.0                 | 7.1         | Complied |

**Lower Band Edge****Upper Band Edge**

**Transmitter Band Edge Radiated Emissions (5.25-5.35 GHz band operation) (continued)****Results: 802.11n / 40 MHz / MIMO / 2Tx TXBF / BPSK / MCS0****Results: Lower Band Edge / Peak**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5049.487        | 55.3                 | 74.0                 | 18.7        | Complied |
| 5150            | 53.7                 | 74.0                 | 20.3        | Complied |

**Results: Upper Band Edge / Peak**

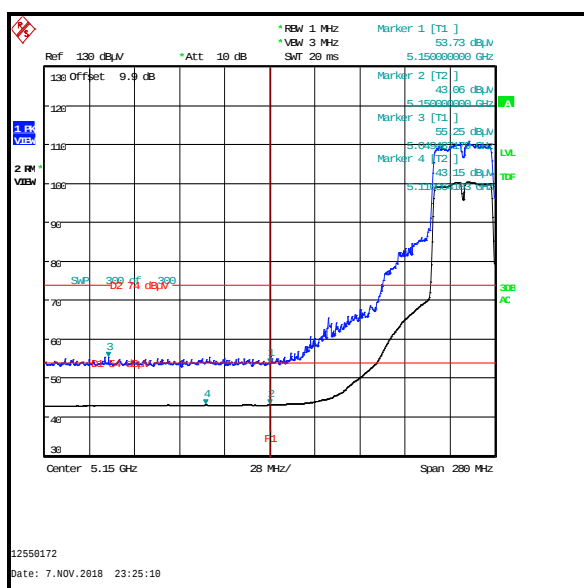
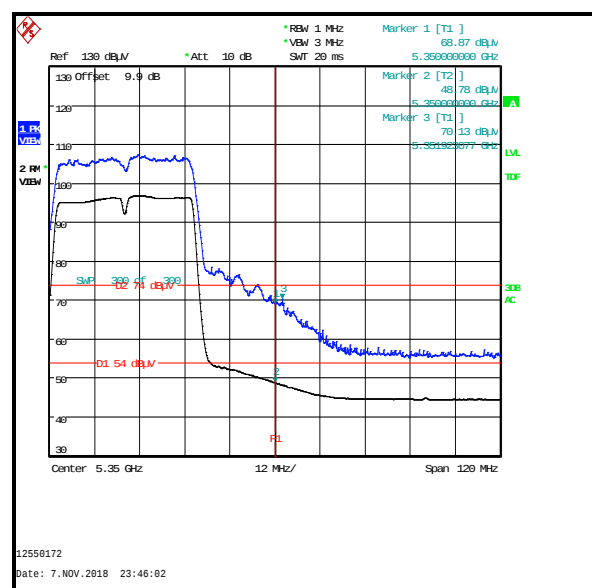
| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5350            | 68.9                 | 74.0                 | 5.1         | Complied |
| 5351.923        | 70.1                 | 74.0                 | 3.9         | Complied |

**Results: Lower Band Edge / Average**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Duty Cycle correction (dB) | Corrected Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------------|--------------------------------|----------------------|-------------|----------|
| 5110.064        | 43.2                 | 0.1                        | 43.3                           | 54.0                 | 10.7        | Complied |
| 5150            | 43.1                 | 0.1                        | 43.2                           | 54.0                 | 10.8        | Complied |

**Results: Upper Band Edge / Average**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Duty Cycle correction (dB) | Corrected Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------------|--------------------------------|----------------------|-------------|----------|
| 5350            | 48.8                 | 0.1                        | 48.9                           | 54.0                 | 5.1         | Complied |

**Lower Band Edge****Upper Band Edge**

**Transmitter Band Edge Radiated Emissions (5.25-5.35 GHz band operation) (continued)****Results: 802.11ac / 80 MHz / MIMO / 2Tx TXBF / BPSK / MCS0****Results: Lower Band Edge / Peak**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 4987.885        | 55.0                 | 74.0                 | 19.0        | Complied |
| 5150            | 53.2                 | 74.0                 | 20.8        | Complied |

**Results: Upper Band Edge / Peak**

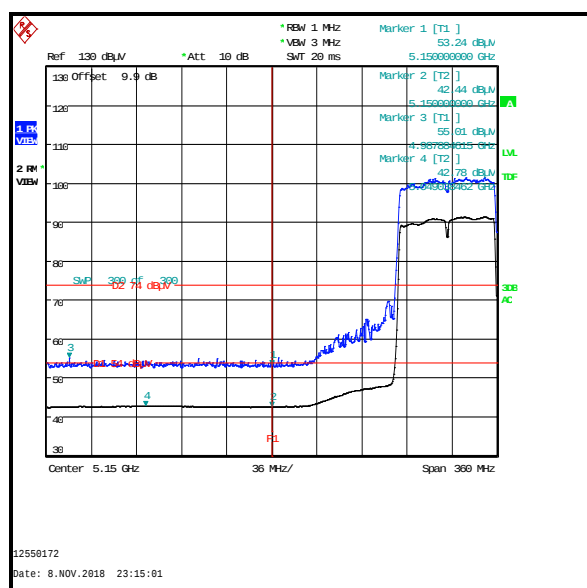
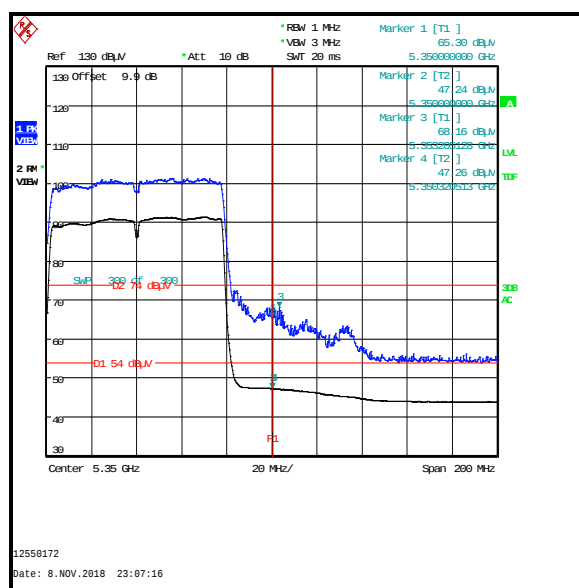
| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5350            | 65.3                 | 74.0                 | 8.7         | Complied |
| 5353.205        | 68.2                 | 74.0                 | 5.8         | Complied |

**Results: Lower Band Edge / Average**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Duty Cycle correction (dB) | Corrected Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------------|--------------------------------|----------------------|-------------|----------|
| 5049.038        | 42.8                 | 0.1                        | 42.9                           | 54.0                 | 11.1        | Complied |
| 5150            | 42.4                 | 0.1                        | 42.5                           | 54.0                 | 11.5        | Complied |

**Results: Upper Band Edge / Average**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Duty Cycle correction (dB) | Corrected Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------------|--------------------------------|----------------------|-------------|----------|
| 5350            | 47.2                 | 0.1                        | 47.3                           | 54.0                 | 6.7         | Complied |
| 5350.321        | 47.3                 | 0.1                        | 47.4                           | 54.0                 | 6.6         | Complied |

**Lower Band Edge****Upper Band Edge**

**Transmitter Band Edge Radiated Emissions (5.25-5.35 GHz band operation) (continued)****Results: 802.11n / 20 MHz / MIMO / 3Tx CDD / BPSK / MCS0****Results: Lower Band Edge / Peak**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5044.616        | 55.8                 | 74.0                 | 18.2        | Complied |
| 5150            | 54.4                 | 74.0                 | 19.6        | Complied |

**Results: Upper Band Edge / Peak**

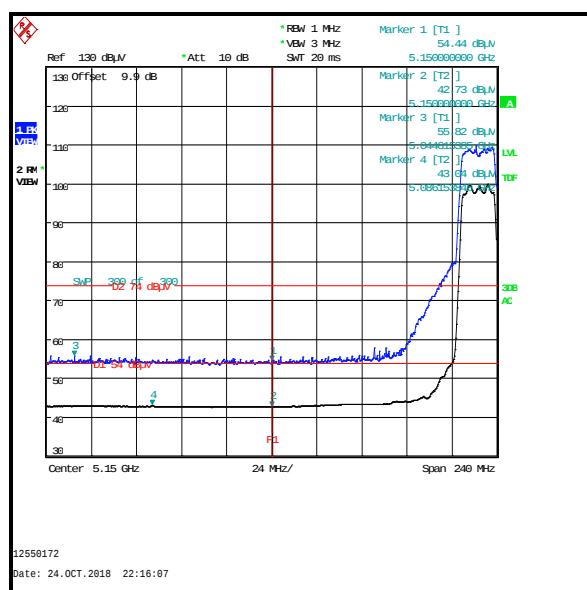
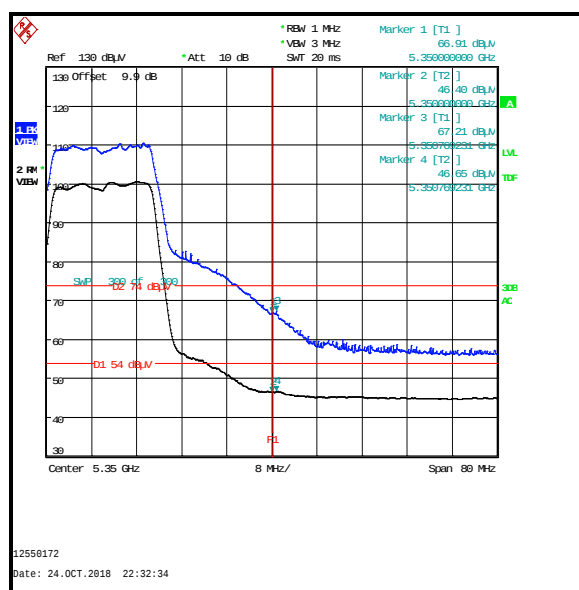
| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5350            | 66.9                 | 74.0                 | 7.1         | Complied |
| 5350.769        | 67.2                 | 74.0                 | 6.8         | Complied |

**Results: Lower Band Edge / Average**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5086.154        | 43.0                 | 54.0                 | 11.0        | Complied |
| 5150            | 42.7                 | 54.0                 | 11.3        | Complied |

**Results: Upper Band Edge / Average**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5350            | 46.4                 | 54.0                 | 7.6         | Complied |
| 5350.769        | 46.7                 | 54.0                 | 7.3         | Complied |

**Lower Band Edge****Upper Band Edge**

**Transmitter Band Edge Radiated Emissions (5.25-5.35 GHz band operation) (continued)****Results: 802.11n / 40 MHz / MIMO / 3Tx CDD / BPSK / MCS0****Results: Lower Band Edge / Peak**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5052.628        | 56.2                 | 74.0                 | 17.8        | Complied |
| 5150            | 54.9                 | 74.0                 | 19.1        | Complied |

**Results: Upper Band Edge / Peak**

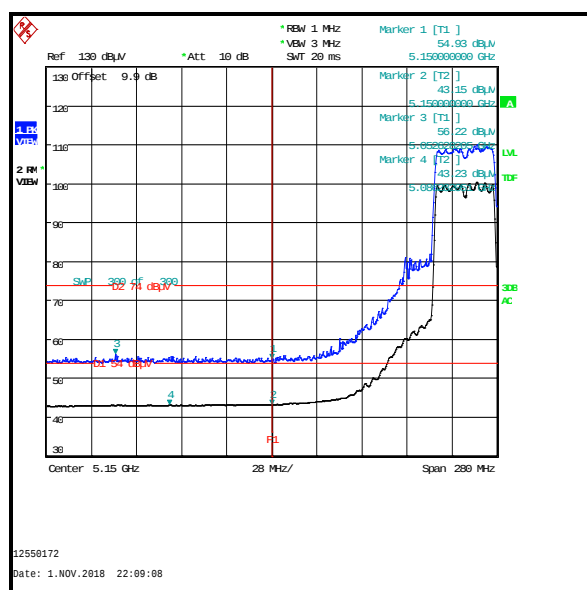
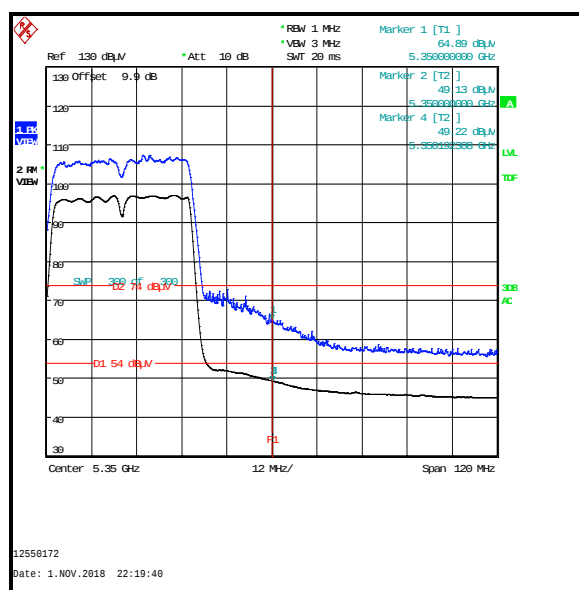
| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5350            | 64.9                 | 74.0                 | 9.1         | Complied |

**Results: Lower Band Edge / Average**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Duty Cycle correction (dB) | Corrected Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------------|--------------------------------|----------------------|-------------|----------|
| 5150            | 43.2                 | 0.1                        | 43.3                           | 54.0                 | 10.7        | Complied |

**Results: Upper Band Edge / Average**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Duty Cycle correction (dB) | Corrected Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------------|--------------------------------|----------------------|-------------|----------|
| 5350            | 49.1                 | 0.1                        | 49.2                           | 54.0                 | 4.8         | Complied |
| 5350.192        | 49.2                 | 0.1                        | 49.3                           | 54.0                 | 4.7         | Complied |

**Lower Band Edge****Upper Band Edge**

**Transmitter Band Edge Radiated Emissions (5.25-5.35 GHz band operation) (continued)****Results: 802.11ac / 80 MHz / MIMO / 3Tx CDD / BPSK / MCS0****Results: Lower Band Edge / Peak**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5102.300        | 54.6                 | 74.0                 | 19.4        | Complied |
| 5150            | 53.2                 | 74.0                 | 20.8        | Complied |

**Results: Upper Band Edge / Peak**

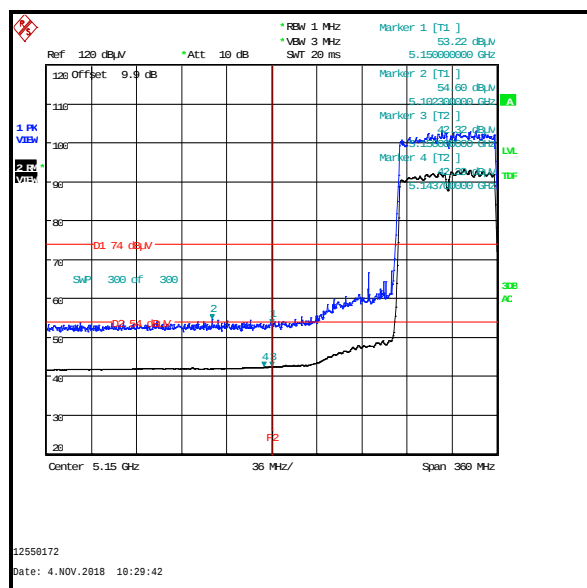
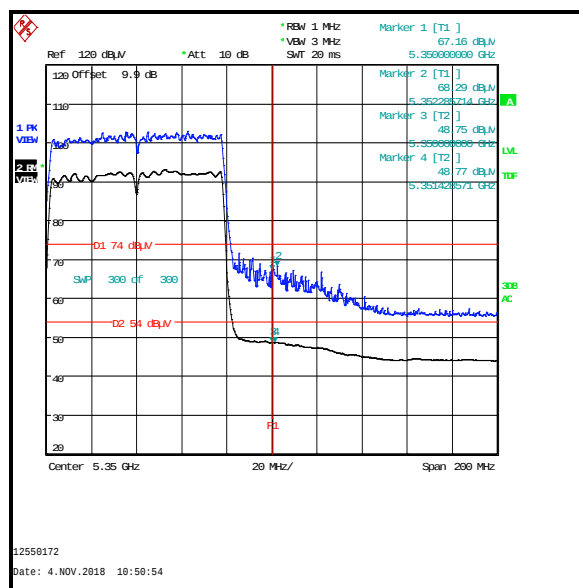
| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5350            | 67.2                 | 74.0                 | 6.8         | Complied |
| 5352.286        | 68.3                 | 74.0                 | 5.7         | Complied |

**Results: Lower Band Edge / Average**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Duty Cycle correction (dB) | Corrected Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------------|--------------------------------|----------------------|-------------|----------|
| 5150            | 42.3                 | 0.2                        | 42.5                           | 54.0                 | 11.5        | Complied |

**Results: Upper Band Edge / Average**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Duty Cycle correction (dB) | Corrected Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------------|--------------------------------|----------------------|-------------|----------|
| 5350            | 48.8                 | 0.2                        | 49.0                           | 54.0                 | 5.0         | Complied |

**Lower Band Edge****Upper Band Edge**

**Transmitter Band Edge Radiated Emissions (5.25-5.35 GHz band operation) (continued)****Results: 802.11n / 20 MHz / MIMO / 3Tx SDM / BPSK / MCS16****Results: Lower Band Edge / Peak**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5121.154        | 55.9                 | 74.0                 | 18.1        | Complied |
| 5150            | 54.8                 | 74.0                 | 19.2        | Complied |

**Results: Upper Band Edge / Peak**

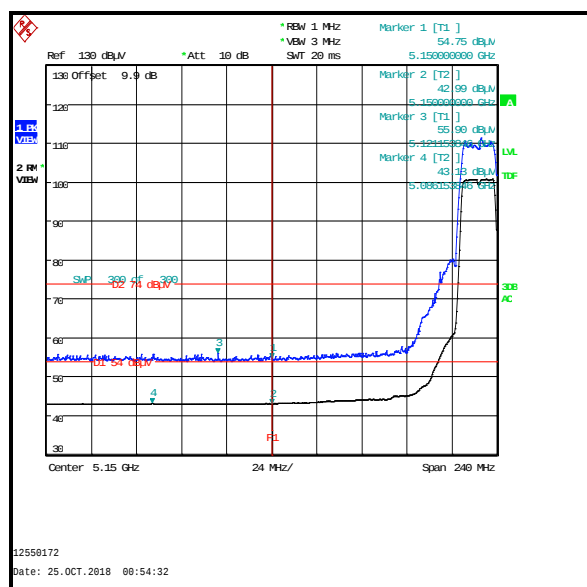
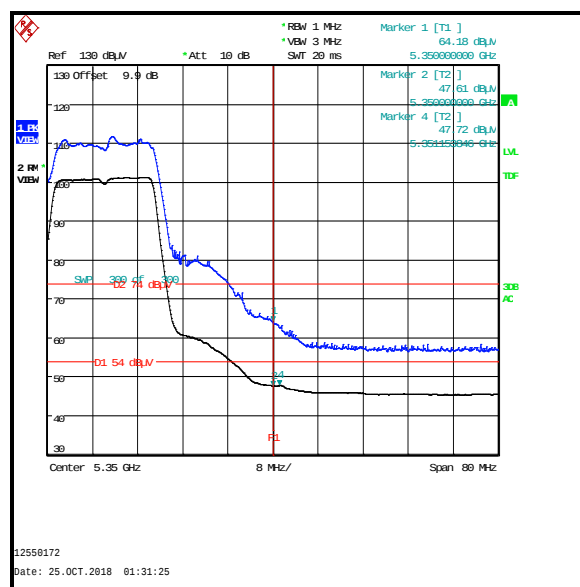
| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5350            | 64.2                 | 74.0                 | 9.8         | Complied |

**Results: Lower Band Edge / Average**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5086.154        | 43.1                 | 54.0                 | 10.9        | Complied |
| 5150            | 43.0                 | 54.0                 | 11.0        | Complied |

**Results: Upper Band Edge / Average**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5350            | 47.6                 | 54.0                 | 6.4         | Complied |
| 5351.154        | 47.7                 | 54.0                 | 6.3         | Complied |

**Lower Band Edge****Upper Band Edge**

**Transmitter Band Edge Radiated Emissions (5.25-5.35 GHz band operation) (continued)****Results: 802.11n / 40 MHz / MIMO / 3Tx SDM / BPSK / MCS16****Results: Lower Band Edge / Peak**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5135.641        | 55.6                 | 74.0                 | 18.4        | Complied |
| 5150            | 55.4                 | 74.0                 | 18.6        | Complied |

**Results: Upper Band Edge / Peak**

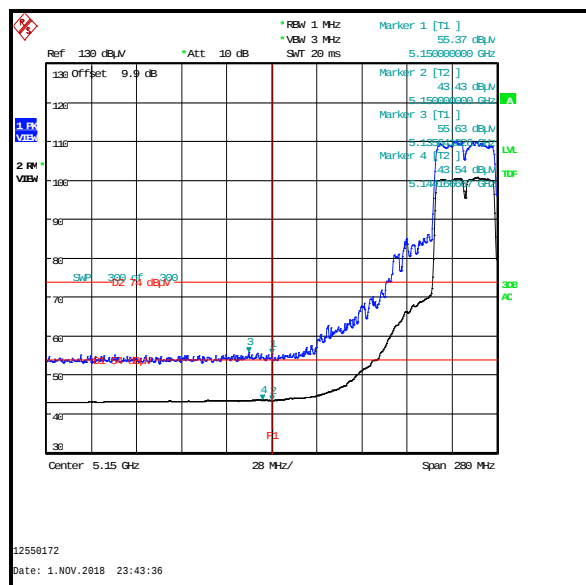
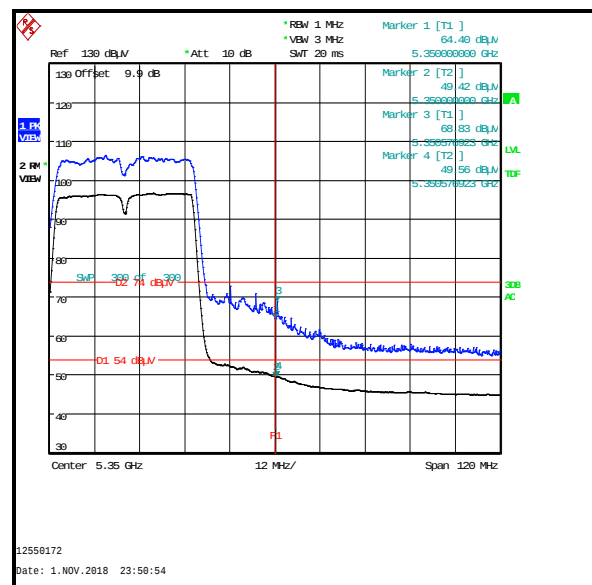
| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5350            | 64.4                 | 74.0                 | 9.6         | Complied |
| 5350.577        | 68.8                 | 74.0                 | 5.2         | Complied |

**Results: Lower Band Edge / Average**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Duty Cycle correction (dB) | Corrected Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------------|--------------------------------|----------------------|-------------|----------|
| 5144.167        | 43.5                 | 0.1                        | 43.6                           | 54.0                 | 10.4        | Complied |
| 5150            | 43.4                 | 0.1                        | 43.5                           | 54.0                 | 10.5        | Complied |

**Results: Upper Band Edge / Average**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Duty Cycle correction (dB) | Corrected Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------------|--------------------------------|----------------------|-------------|----------|
| 5350            | 49.4                 | 0.1                        | 49.5                           | 54.0                 | 4.5         | Complied |
| 5350.577        | 49.6                 | 0.1                        | 49.7                           | 54.0                 | 4.3         | Complied |

**Lower Band Edge****Upper Band Edge**

**Transmitter Band Edge Radiated Emissions (5.25-5.35 GHz band operation) (continued)****Results: 802.11ac / 80 MHz / MIMO / 3Tx SDM / BPSK / MCS0x3****Results: Lower Band Edge / Peak**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5141.000        | 54.9                 | 74.0                 | 19.1        | Complied |
| 5150            | 53.4                 | 74.0                 | 20.6        | Complied |

**Results: Upper Band Edge / Peak**

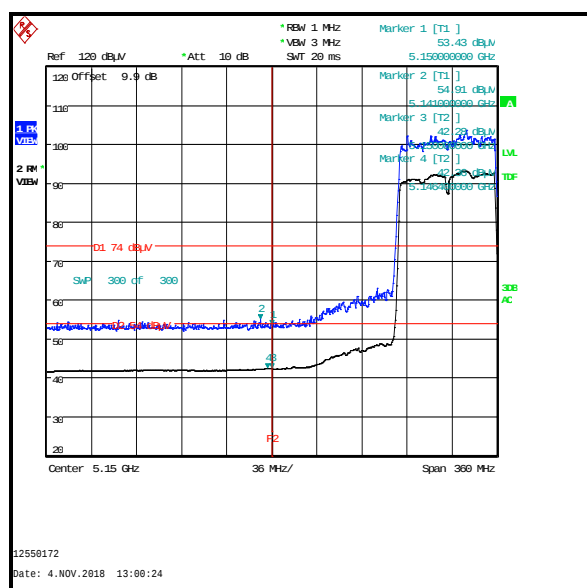
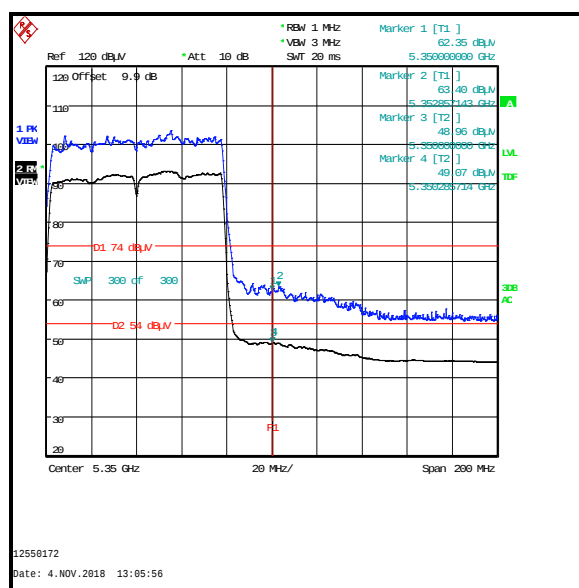
| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5350            | 62.4                 | 74.0                 | 11.6        | Complied |
| 5352.857        | 63.4                 | 74.0                 | 10.6        | Complied |

**Results: Lower Band Edge / Average**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Duty Cycle correction (dB) | Corrected Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------------|--------------------------------|----------------------|-------------|----------|
| 5146.460        | 42.4                 | 0.2                        | 42.6                           | 54.0                 | 11.4        | Complied |
| 5150            | 42.3                 | 0.2                        | 42.5                           | 54.0                 | 11.5        | Complied |

**Results: Upper Band Edge / Average**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Duty Cycle correction (dB) | Corrected Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------------|--------------------------------|----------------------|-------------|----------|
| 5350            | 49.0                 | 0.2                        | 49.2                           | 54.0                 | 4.8         | Complied |
| 5350.286        | 49.1                 | 0.2                        | 49.3                           | 54.0                 | 4.7         | Complied |

**Lower Band Edge****Upper Band Edge**

**Transmitter Band Edge Radiated Emissions (5.25-5.35 GHz band operation) (continued)****Results: 802.11n / 20 MHz / MIMO / 3Tx TXBF / BPSK / MCS0****Results: Lower Band Edge / Peak**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5059.615        | 55.4                 | 74.0                 | 18.6        | Complied |
| 5150            | 53.6                 | 74.0                 | 20.4        | Complied |

**Results: Upper Band Edge / Peak**

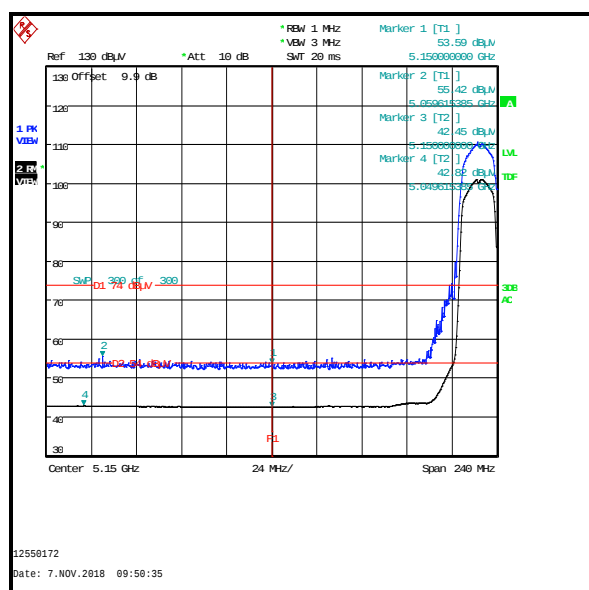
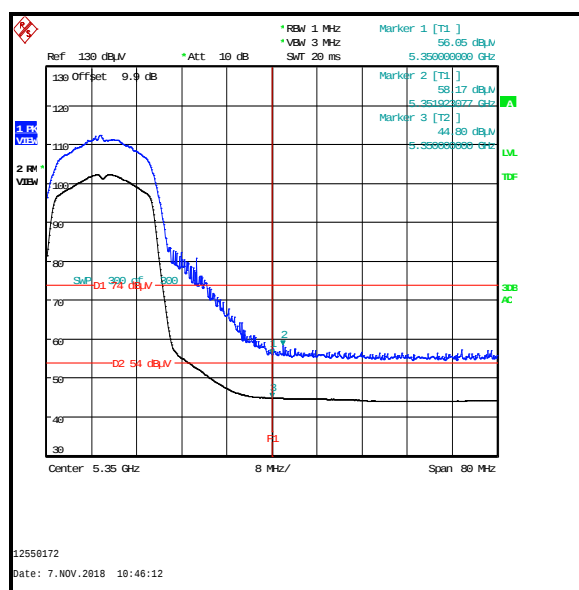
| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5350            | 56.1                 | 74.0                 | 17.9        | Complied |
| 5351.923        | 58.2                 | 74.0                 | 15.8        | Complied |

**Results: Lower Band Edge / Average**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Duty Cycle correction (dB) | Corrected Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------------|--------------------------------|----------------------|-------------|----------|
| 5049.615        | 42.8                 | 0.1                        | 42.9                           | 54.0                 | 11.1        | Complied |
| 5150            | 42.5                 | 0.1                        | 42.6                           | 54.0                 | 11.4        | Complied |

**Results: Upper Band Edge / Average**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Duty Cycle correction (dB) | Corrected Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------------|--------------------------------|----------------------|-------------|----------|
| 5350            | 44.8                 | 0.1                        | 44.9                           | 54.0                 | 9.1         | Complied |

**Lower Band Edge****Upper Band Edge**

**Transmitter Band Edge Radiated Emissions (5.25-5.35 GHz band operation) (continued)****Results: 802.11n / 40 MHz / MIMO / 3Tx TXBF / BPSK / MCS0****Results: Lower Band Edge / Peak**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5149.551        | 56.0                 | 74.0                 | 18.0        | Complied |
| 5150            | 54.4                 | 74.0                 | 19.6        | Complied |

**Results: Upper Band Edge / Peak**

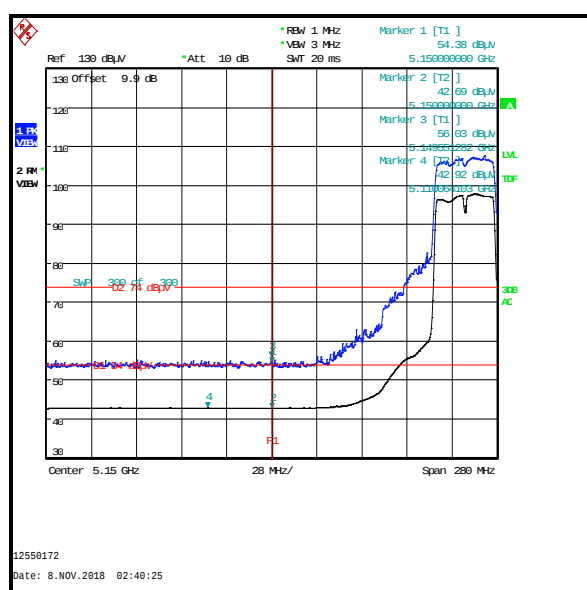
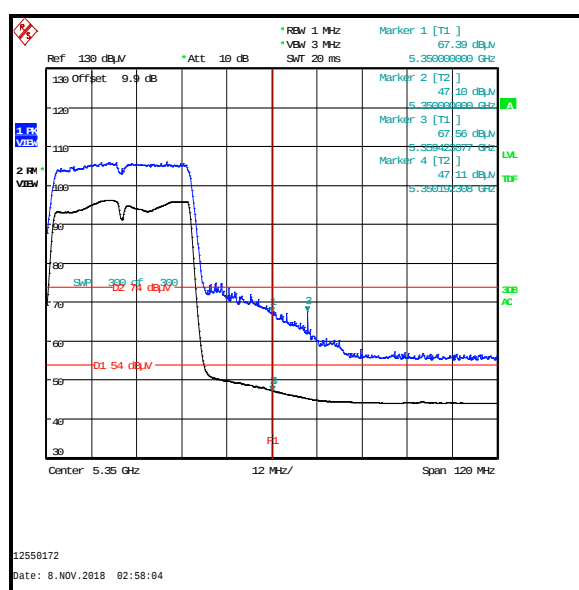
| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5350            | 67.4                 | 74.0                 | 6.6         | Complied |
| 5359.423        | 67.6                 | 74.0                 | 6.4         | Complied |

**Results: Lower Band Edge / Average**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Duty Cycle correction (dB) | Corrected Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------------|--------------------------------|----------------------|-------------|----------|
| 5110.064        | 42.9                 | 0.1                        | 43.0                           | 54.0                 | 11.0        | Complied |
| 5150            | 42.7                 | 0.1                        | 42.8                           | 54.0                 | 11.2        | Complied |

**Results: Upper Band Edge / Average**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Duty Cycle correction (dB) | Corrected Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------------|--------------------------------|----------------------|-------------|----------|
| 5350            | 47.1                 | 0.1                        | 47.2                           | 54.0                 | 6.8         | Complied |

**Lower Band Edge****Upper Band Edge**

**Transmitter Band Edge Radiated Emissions (5.25-5.35 GHz band operation) (continued)****Results: 802.11ac / 80 MHz / MIMO / 3Tx TXBF / BPSK / MCS0****Results: Lower Band Edge / Peak**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5020.192        | 54.6                 | 74.0                 | 19.4        | Complied |
| 5150            | 53.1                 | 74.0                 | 20.9        | Complied |

**Results: Upper Band Edge / Peak**

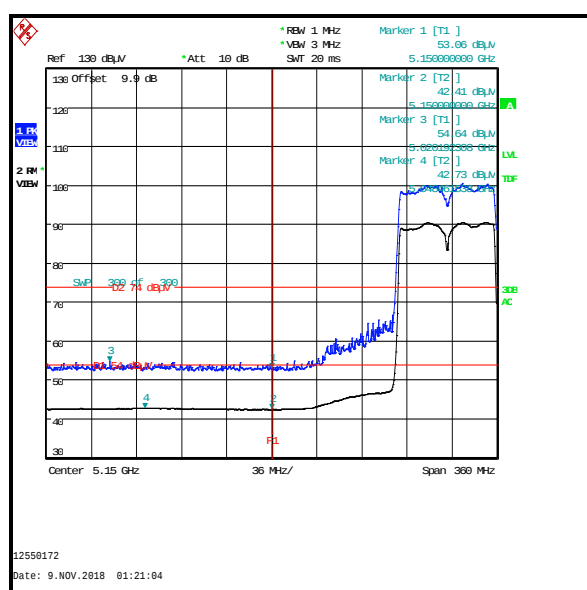
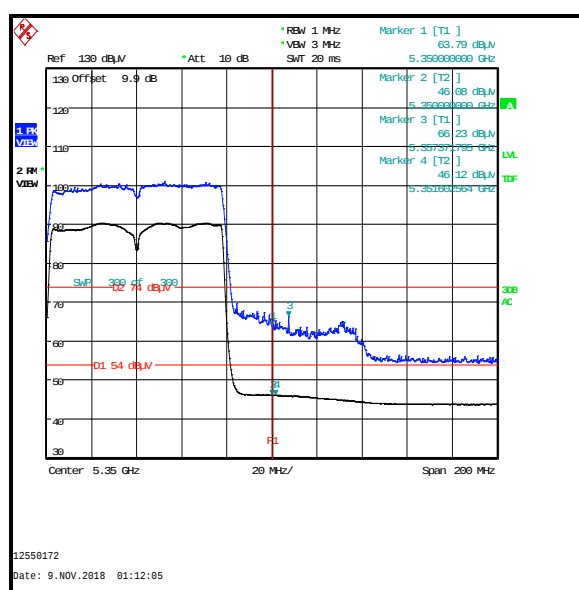
| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5350            | 63.8                 | 74.0                 | 10.2        | Complied |
| 5357.372        | 66.2                 | 74.0                 | 7.8         | Complied |

**Results: Lower Band Edge / Average**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Duty Cycle correction (dB) | Corrected Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------------|--------------------------------|----------------------|-------------|----------|
| 5048.462        | 42.7                 | 0.1                        | 42.8                           | 54.0                 | 11.2        | Complied |
| 5150            | 42.4                 | 0.1                        | 42.5                           | 54.0                 | 11.5        | Complied |

**Results: Upper Band Edge / Average**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Duty Cycle correction (dB) | Corrected Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------------|--------------------------------|----------------------|-------------|----------|
| 5350            | 46.1                 | 0.1                        | 46.2                           | 54.0                 | 7.8         | Complied |

**Lower Band Edge****Upper Band Edge**

**Transmitter Band Edge Radiated Emissions (5.47-5.725 GHz band)****5.3.3. 5.47-5.725 GHz band****Test Summary:**

|                                   |                                                    |                    |                                        |
|-----------------------------------|----------------------------------------------------|--------------------|----------------------------------------|
| <b>Test Engineers:</b>            | Marco Zunarelli,<br>John Ferdinand &<br>Mark Perry | <b>Test Dates:</b> | 19 October 2018 to<br>15 November 2018 |
| <b>Test Sample Serial Number:</b> | C02WW00PKFMM                                       |                    |                                        |

|                          |                                             |
|--------------------------|---------------------------------------------|
| <b>FCC Reference:</b>    | Parts 15.407(b)(3),(7), 15.205 & 15.209(a)  |
| <b>Test Method Used:</b> | ANSI C63.10 Section 6.10 & KDB 789033 II.G. |

**Environmental Conditions:**

|                               |          |
|-------------------------------|----------|
| <b>Temperature (°C):</b>      | 23 to 25 |
| <b>Relative Humidity (%):</b> | 40 to 50 |

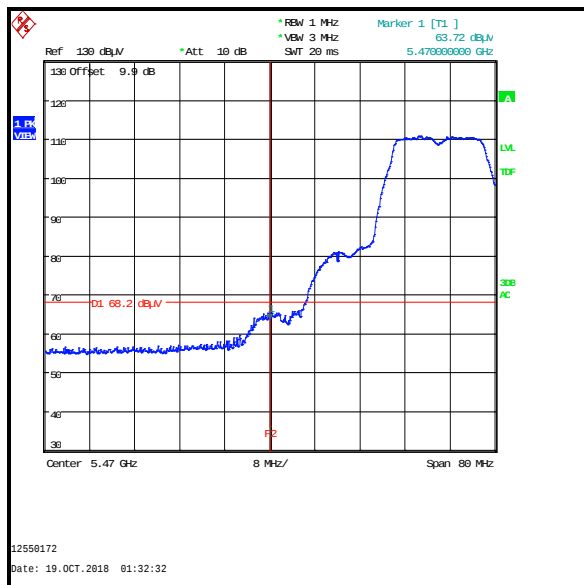
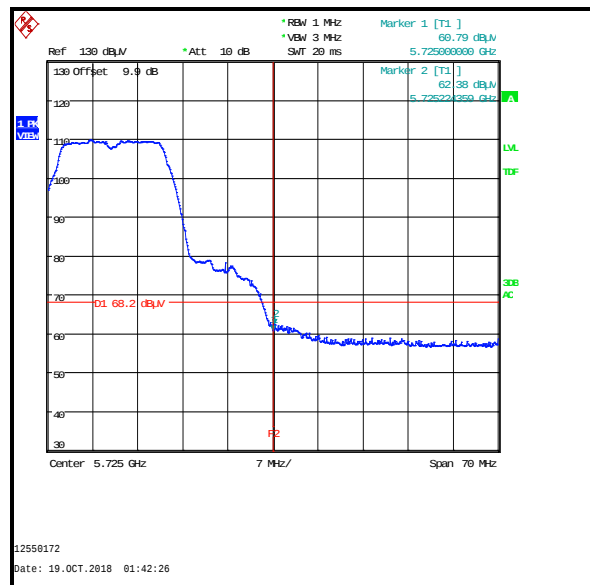
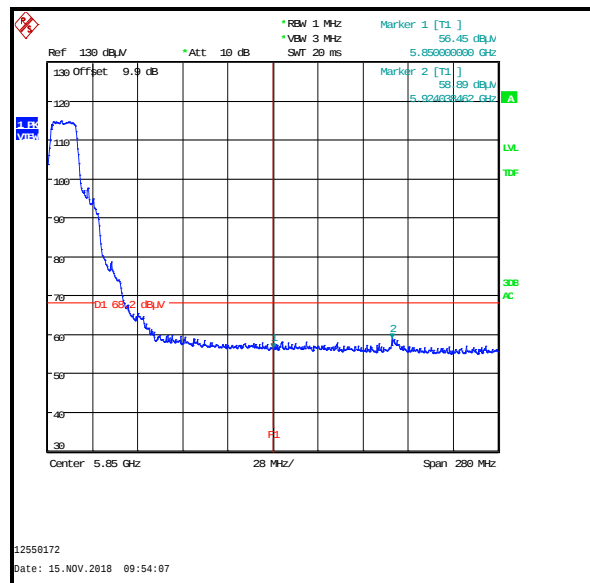
**Transmitter Band Edge Radiated Emissions (5.47-5.725 GHz band operation) (continued)****Note(s):**

1. The following modes were tested:
  - o 802.11a - BPSK / 6 Mbps / Core 2
  - o 802.11n HT20 / SISO - BPSK / MCS0 / Core 2
  - o 802.11n HT40 / SISO - BPSK / MCS0 / Core 2
  - o 802.11ac VHT80 / SISO – BPSK / MCS0x1 / Core 2
  - o 802.11n HT20 / MIMO / 2Tx CDD - BPSK / MCS0
  - o 802.11n HT40 / MIMO / 2Tx CDD - BPSK / MCS0
  - o 802.11ac VHT80 / MIMO / 2Tx CDD - BPSK / MCS0x1
  - o 802.11n HT20 / MIMO / 2Tx SDM - BPSK / MCS8
  - o 802.11n HT40 / MIMO / 2Tx SDM - BPSK / MCS8
  - o 802.11ac VHT80 / MIMO / 2Tx SDM - BPSK / MCS0x2
  - o 802.11n HT20 / MIMO / 2Tx TxBF - BPSK / MCS0
  - o 802.11n HT40 / MIMO / 2Tx TxBF - BPSK / MCS0
  - o 802.11ac VHT80 / MIMO / 2Tx TxBF - BPSK / MCS0x1
  - o 802.11n HT20 / MIMO / 3Tx CDD - BPSK / MCS0
  - o 802.11n HT40 / MIMO / 3Tx CDD - BPSK / MCS0
  - o 802.11ac VHT80 / MIMO / 3Tx CDD - BPSK / MCS0x1
  - o 802.11n HT20 / MIMO / 3Tx SDM - BPSK / MCS16
  - o 802.11n HT40 / MIMO / 3Tx SDM - BPSK / MCS16
  - o 802.11ac VHT80 / MIMO / 3Tx SDM - BPSK / MCS0x3
  - o 802.11n HT20 / MIMO / 3Tx TxBF - BPSK / MCS0
  - o 802.11n HT40 / MIMO / 3Tx TxBF - BPSK / MCS0
  - o 802.11ac VHT80 / MIMO / 3Tx TxBF - BPSK / MCS0x1
2. Lower band edge measurements were performed with the EUT transmitting on the bottom channel. Upper band edge measurements were performed with the EUT transmitting on the top channel.
3. For transmitters operating in the 5.47-5.725 GHz band: all emissions outside of the 5.47-5.725 GHz band shall not exceed an EIRP of -27 dBm/MHz. However, there are restricted bands of operation below the lower band edge at 4.5-5.15 GHz and also at 5.35-5.46 GHz therefore the provisions of FCC Part 15.205 apply. Tests were performed in these restricted bands of operation with the EUT transmitting on the bottom and top channels within 5.47-5.725 GHz band, the results are included in the transmitter 5.725-5.85 GHz band radiated spurious emissions section of this test report.
4. For completeness, results are also shown as EIRP in dBm and also as field strength in dBμV/m. Measured field strength was converted to EIRP in accordance with KDB 789033 II.G.2.c)(iii) using a conversion factor of 95.2.
5. As straddle channels overlap the upper band edge at 5725 MHz, additional testing was performed in accordance with KDB 778093 III.B.2.b)(iii) which requires compliance of overlapping channels to an unwanted emission level of -27 dBm/MHz at 5850 MHz instead of 5725 MHz. The EUT was configured to transmit on the straddle channels and the emission levels at 5850 MHz were recorded. A marker was placed on the band edge spot frequency and a second marker placed on the highest emission level in the adjacent non-restricted band of operation (where a higher level emission was present). Marker frequencies and levels were recorded.

**Transmitter Band Edge Radiated Emissions (5.47-5.725 GHz band operation) (continued)****Results: 802.11a / 20 MHz / SISO / BPSK / 6 Mbps / Core 2 / Peak**

| Frequency (MHz) | Level (dBm) | Limit (dBm) | Margin (dB) | Result   |
|-----------------|-------------|-------------|-------------|----------|
| 5470            | -31.5       | -27.0       | 4.5         | Complied |
| 5725            | -34.4       | -27.0       | 7.4         | Complied |
| 5725.224        | -32.8       | -27.0       | 5.8         | Complied |
| 5850            | -38.7       | -27.0       | 11.7        | Complied |
| 5924.038        | -36.3       | -27.0       | 9.3         | Complied |

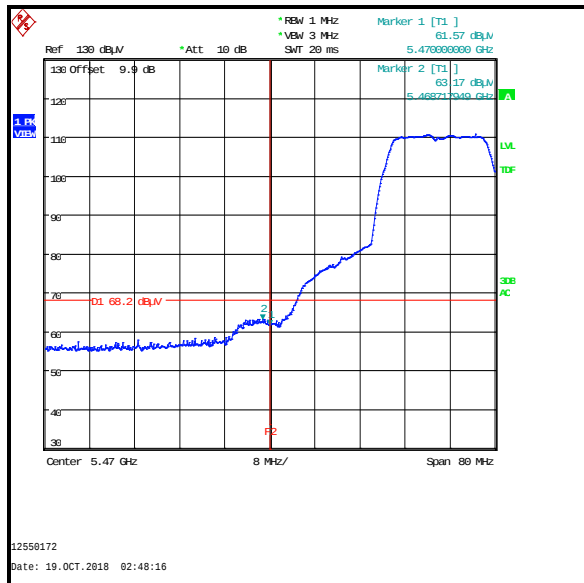
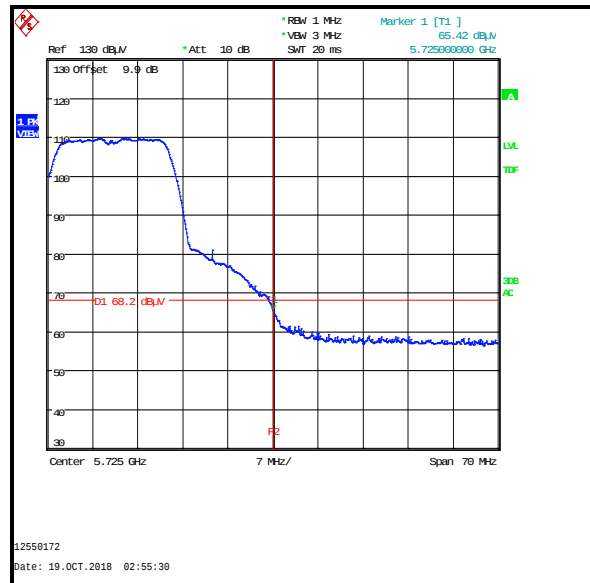
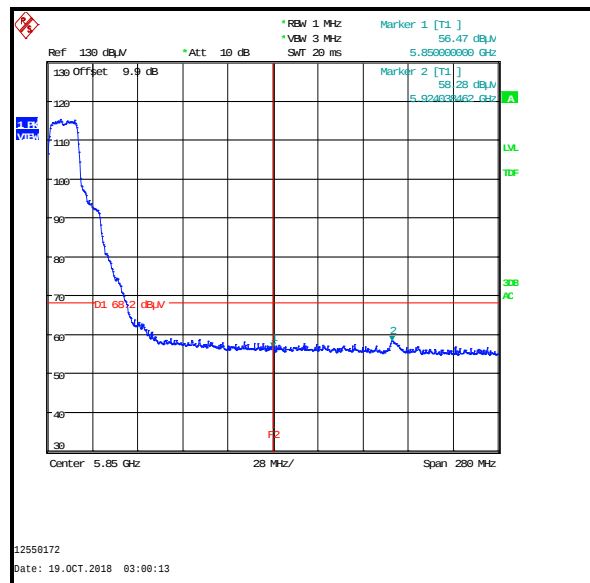
| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5470            | 63.7                 | 68.2                 | 4.5         | Complied |
| 5725            | 60.8                 | 68.2                 | 7.4         | Complied |
| 5725.224        | 62.4                 | 68.2                 | 5.8         | Complied |
| 5850            | 56.5                 | 68.2                 | 11.7        | Complied |
| 5924.038        | 58.9                 | 68.2                 | 9.3         | Complied |

**Transmitter Band Edge Radiated Emissions (5.47-5.725 GHz band operation) (continued)****Results: 802.11a / 20 MHz / SISO / BPSK / 6 Mbps / Core 2 / Peak****Lower Band Edge****Upper Band Edge****Straddle Channel emission level at 5850 MHz**

**Transmitter Band Edge Radiated Emissions (5.47-5.725 GHz band operation) (continued)****Results: 802.11n / 20 MHz / SISO / BPSK / MCS0 / Core 2 / Peak**

| Frequency (MHz) | Level (dBm) | Limit (dBm) | Margin (dB) | Result   |
|-----------------|-------------|-------------|-------------|----------|
| 5468.718        | -32.0       | -27.0       | 5.0         | Complied |
| 5470            | -33.6       | -27.0       | 6.6         | Complied |
| 5725            | -29.8       | -27.0       | 2.8         | Complied |
| 5850            | -38.7       | -27.0       | 11.7        | Complied |
| 5924.038        | -36.9       | -27.0       | 9.9         | Complied |

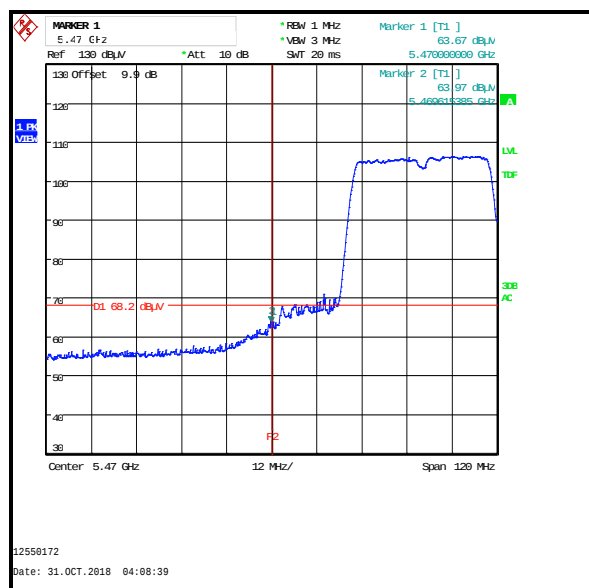
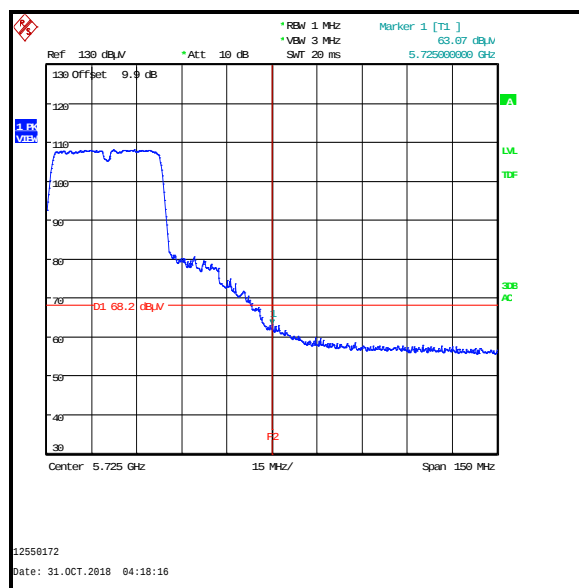
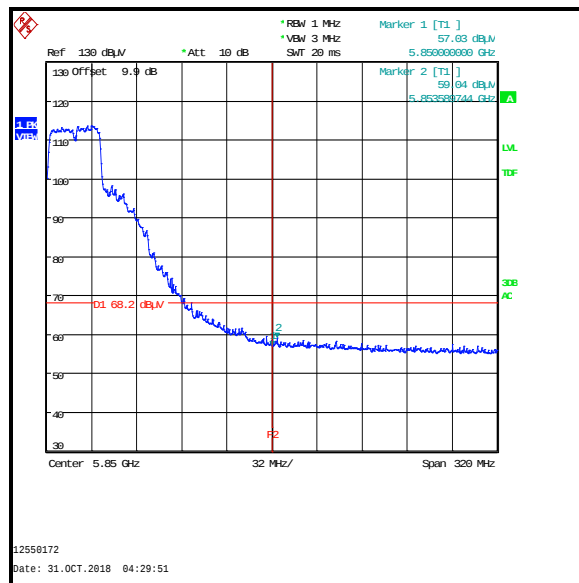
| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5468.718        | 63.2                 | 68.2                 | 5.0         | Complied |
| 5470            | 61.6                 | 68.2                 | 6.6         | Complied |
| 5725            | 65.4                 | 68.2                 | 2.8         | Complied |
| 5850            | 56.5                 | 68.2                 | 11.7        | Complied |
| 5924.038        | 58.3                 | 68.2                 | 9.9         | Complied |

**Transmitter Band Edge Radiated Emissions (5.47-5.725 GHz band operation) (continued)****Results: 802.11n / 20 MHz / SISO / BPSK / MCS0 / Core 2 / Peak****Lower Band Edge****Upper Band Edge****Straddle Channel emission level at 5850 MHz**

**Transmitter Band Edge Radiated Emissions (5.47-5.725 GHz band operation) (continued)****Results: 802.11n / 40 MHz / SISO / BPSK / MCS0 / Core 2 / Peak**

| Frequency (MHz) | Level (dBm) | Limit (dBm) | Margin (dB) | Result   |
|-----------------|-------------|-------------|-------------|----------|
| 5469.615        | -31.2       | -27.0       | 4.2         | Complied |
| 5470            | -31.5       | -27.0       | 4.5         | Complied |
| 5725            | -32.1       | -27.0       | 5.1         | Complied |
| 5850            | -38.2       | -27.0       | 11.2        | Complied |
| 5853.590        | -36.2       | -27.0       | 9.2         | Complied |

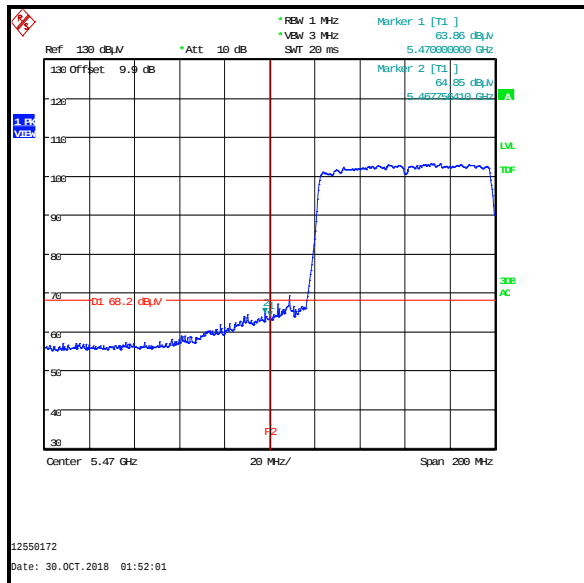
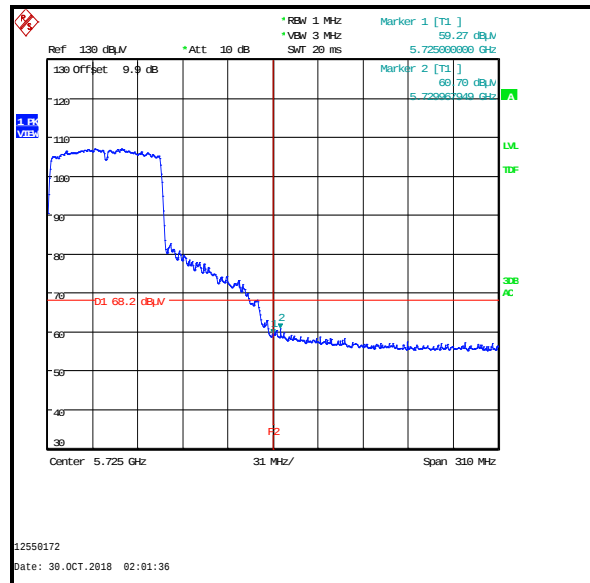
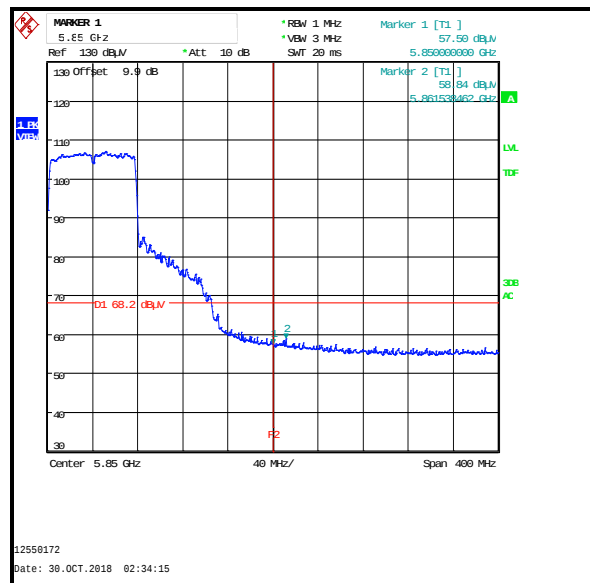
| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5469.615        | 64.0                 | 68.2                 | 4.2         | Complied |
| 5470            | 63.7                 | 68.2                 | 4.5         | Complied |
| 5725            | 63.1                 | 68.2                 | 5.1         | Complied |
| 5850            | 57.0                 | 68.2                 | 11.2        | Complied |
| 5853.590        | 59.0                 | 68.2                 | 9.2         | Complied |

**Transmitter Band Edge Radiated Emissions (5.47-5.725 GHz band operation) (continued)****Results: 802.11n / 40 MHz / SISO / BPSK / MCS0 / Core 2 / Peak****Lower Band Edge****Upper Band Edge****Straddle Channel emission level at 5850 MHz**

**Transmitter Band Edge Radiated Emissions (5.47-5.725 GHz band operation) (continued)****Results: 802.11ac / 80 MHz / SISO / BPSK / MCS0 / Core 2 / Peak**

| Frequency (MHz) | Level (dBm) | Limit (dBm) | Margin (dB) | Result   |
|-----------------|-------------|-------------|-------------|----------|
| 5467.756        | -30.3       | -27.0       | 3.3         | Complied |
| 5470            | -31.3       | -27.0       | 4.3         | Complied |
| 5725            | -35.9       | -27.0       | 8.9         | Complied |
| 5729.968        | -34.5       | -27.0       | 7.5         | Complied |
| 5850            | -37.7       | -27.0       | 10.7        | Complied |
| 5861.538        | -36.4       | -27.0       | 9.4         | Complied |

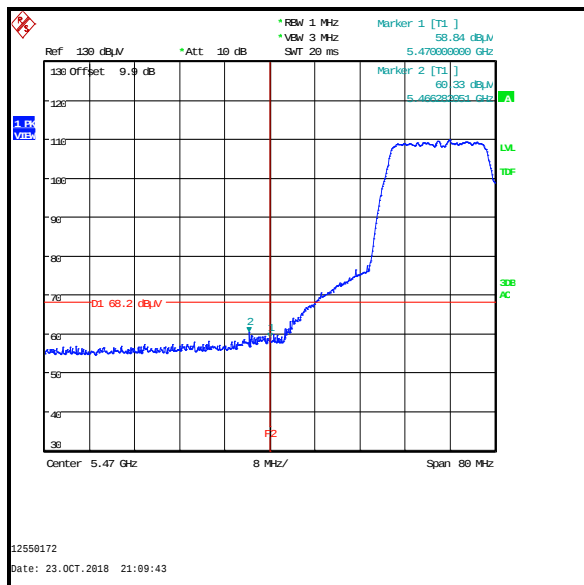
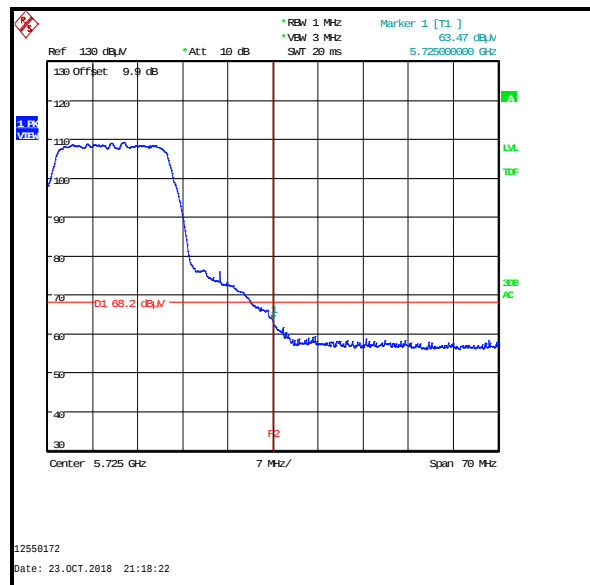
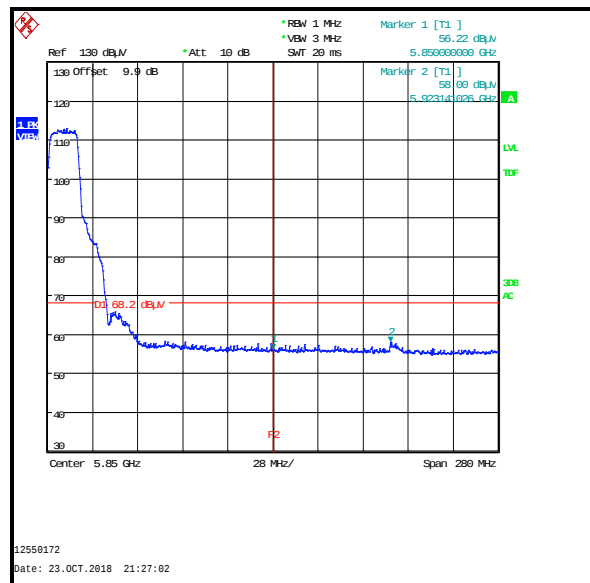
| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5467.756        | 64.9                 | 68.2                 | 3.3         | Complied |
| 5470            | 63.9                 | 68.2                 | 4.3         | Complied |
| 5725            | 59.3                 | 68.2                 | 8.9         | Complied |
| 5729.968        | 60.7                 | 68.2                 | 7.5         | Complied |
| 5850            | 57.5                 | 68.2                 | 10.7        | Complied |
| 5861.538        | 58.8                 | 68.2                 | 9.4         | Complied |

**Transmitter Band Edge Radiated Emissions (5.47-5.725 GHz band operation) (continued)****Results: 802.11ac / 80 MHz / SISO / BPSK / MCS0 / Core 2 / Peak****Lower Band Edge****Upper Band Edge****Straddle Channel emission level at 5850 MHz**

**Transmitter Band Edge Radiated Emissions (5.47-5.725 GHz band operation) (continued)****Results: 802.11n / 20 MHz / MIMO / 2Tx CDD / BPSK / MCS0 / Peak**

| Frequency (MHz) | Level (dBm) | Limit (dBm) | Margin (dB) | Result   |
|-----------------|-------------|-------------|-------------|----------|
| 5466.282        | -34.9       | -27.0       | 7.9         | Complied |
| 5470            | -36.4       | -27.0       | 9.4         | Complied |
| 5725            | -31.7       | -27.0       | 4.7         | Complied |
| 5850            | -39.0       | -27.0       | 12.0        | Complied |
| 5923.141        | -37.2       | -27.0       | 10.2        | Complied |

| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5466.282        | 60.3                 | 68.2                 | 7.9         | Complied |
| 5470            | 58.8                 | 68.2                 | 9.4         | Complied |
| 5725            | 63.5                 | 68.2                 | 4.7         | Complied |
| 5850            | 56.2                 | 68.2                 | 12.0        | Complied |
| 5923.141        | 58.0                 | 68.2                 | 10.2        | Complied |

**Transmitter Band Edge Radiated Emissions (5.47-5.725 GHz band operation) (continued)****Results: 802.11n / 20 MHz / MIMO / 2Tx CDD / BPSK / MCS0 / Peak****Lower Band Edge****Upper Band Edge****Straddle Channel emission level at 5850 MHz**

**Transmitter Band Edge Radiated Emissions (5.47-5.725 GHz band operation) (continued)****Results: 802.11n / 40 MHz / MIMO / 2Tx CDD / BPSK / MCS0 / Peak**

| Frequency (MHz) | Level (dBm) | Limit (dBm) | Margin (dB) | Result   |
|-----------------|-------------|-------------|-------------|----------|
| 5469.615        | -31.2       | -27.0       | 4.2         | Complied |
| 5470            | -31.5       | -27.0       | 4.5         | Complied |
| 5725            | -32.0       | -27.0       | 5.0         | Complied |
| 5850            | -38.3       | -27.0       | 11.3        | Complied |
| 5860.256        | -37.2       | -27.0       | 10.2        | Complied |

| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Result   |
|-----------------|----------------------|----------------------|-------------|----------|
| 5469.615        | 64.0                 | 68.2                 | 4.2         | Complied |
| 5470            | 63.7                 | 68.2                 | 4.5         | Complied |
| 5725            | 63.2                 | 68.2                 | 5.0         | Complied |
| 5850            | 56.9                 | 68.2                 | 11.3        | Complied |
| 5860.256        | 58.0                 | 68.2                 | 10.2        | Complied |