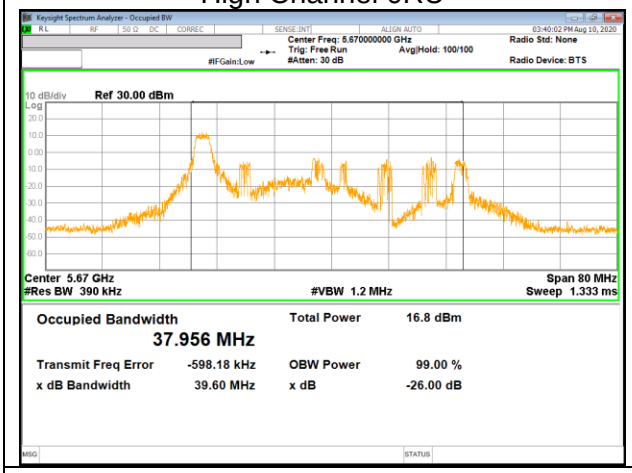
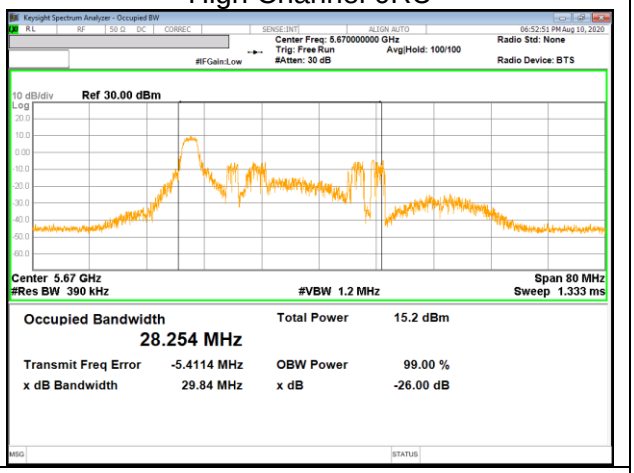
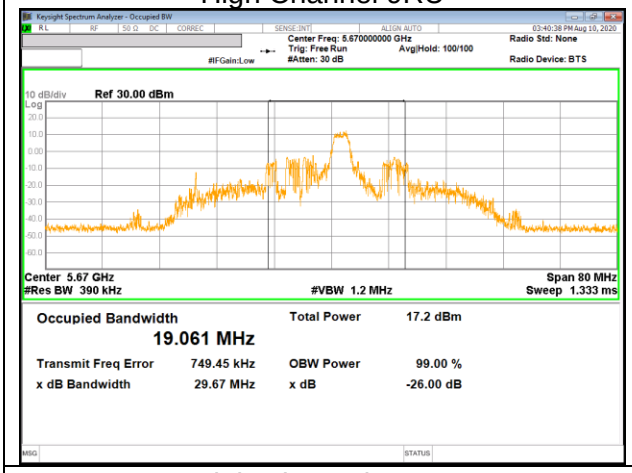
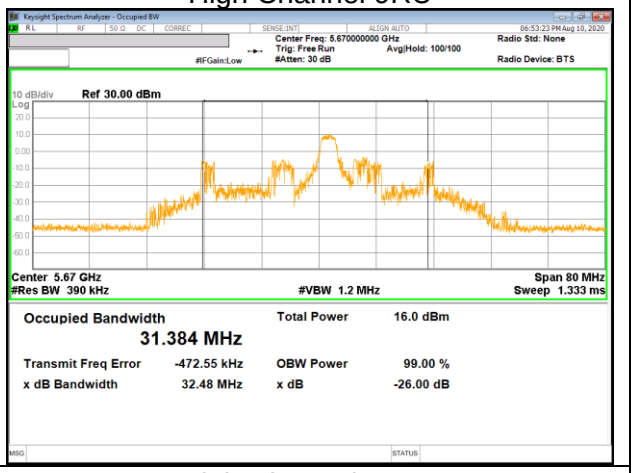
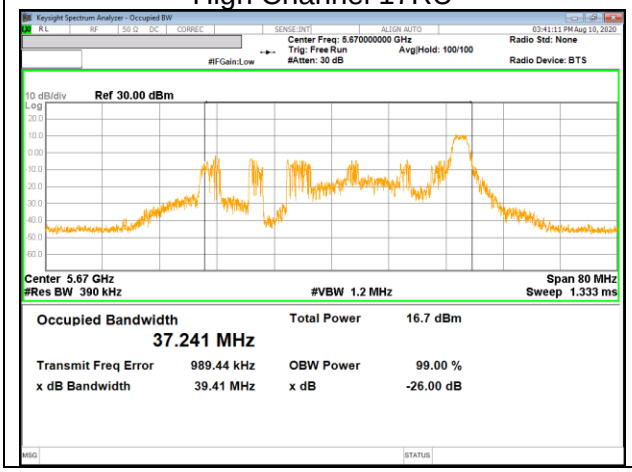
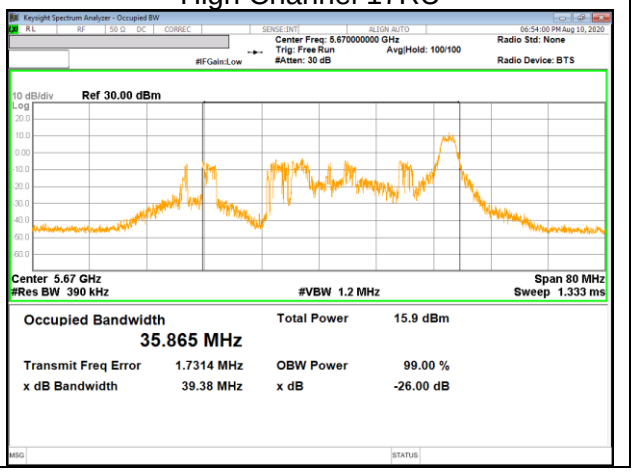
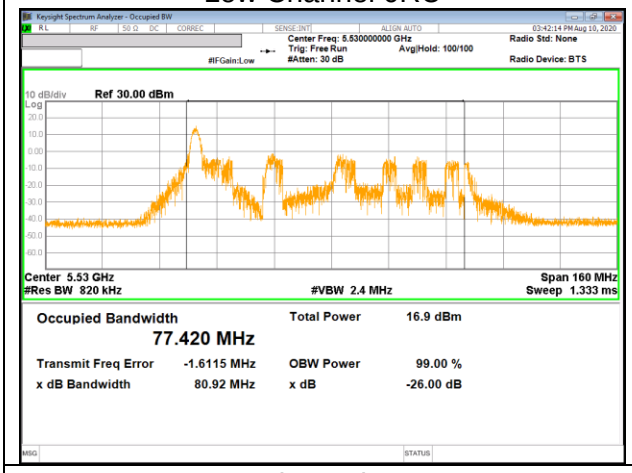
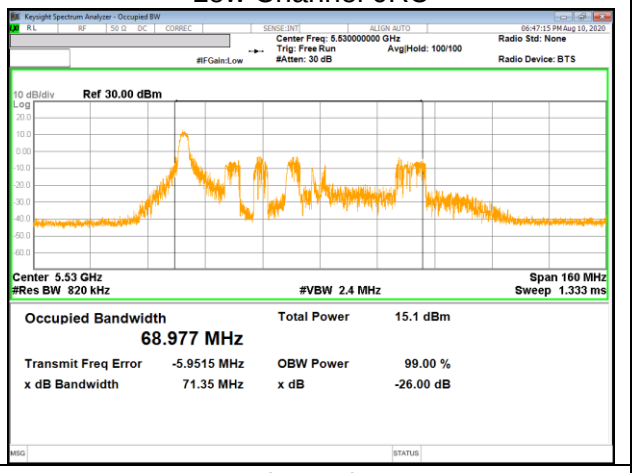
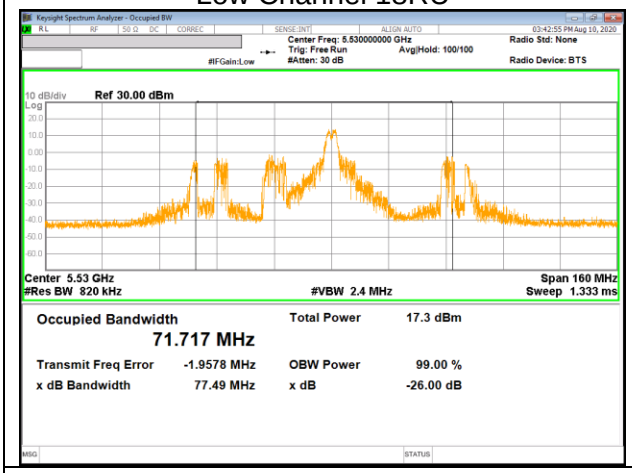
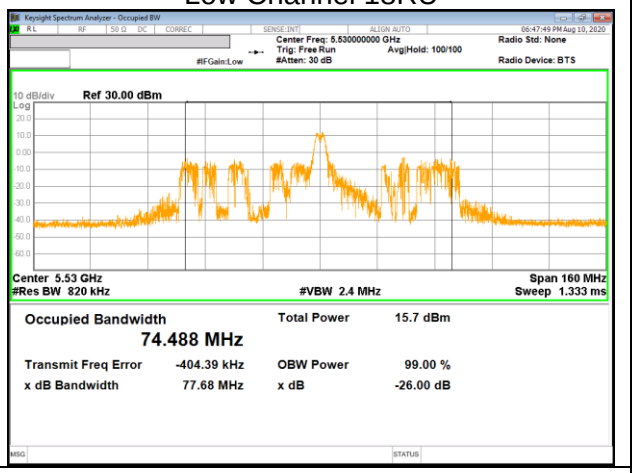
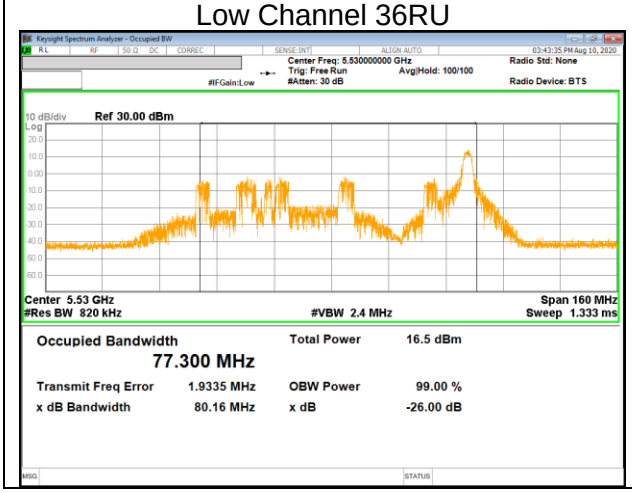
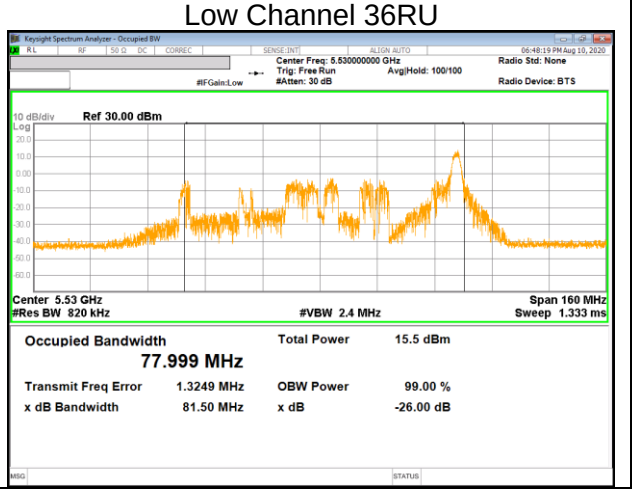
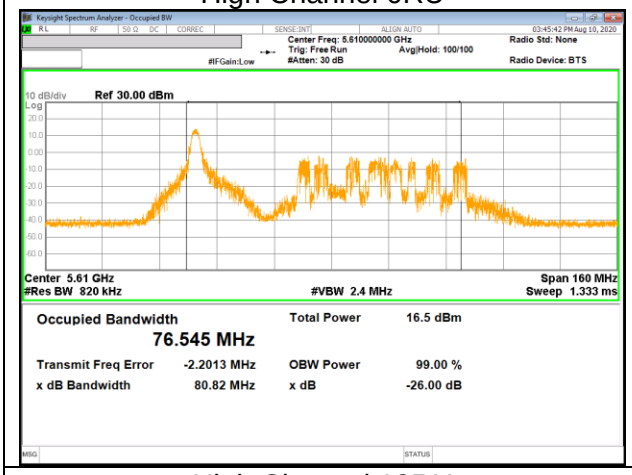
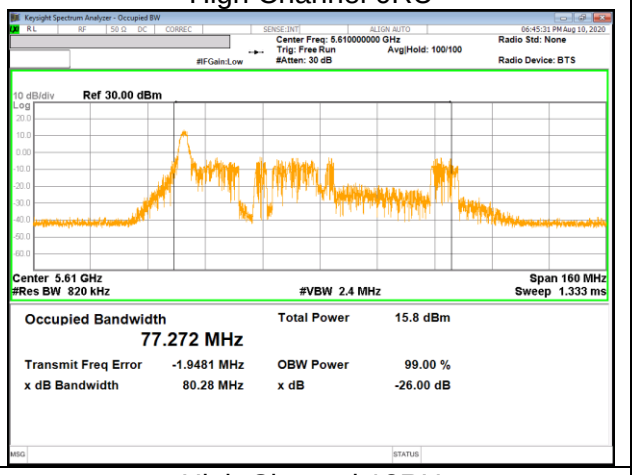
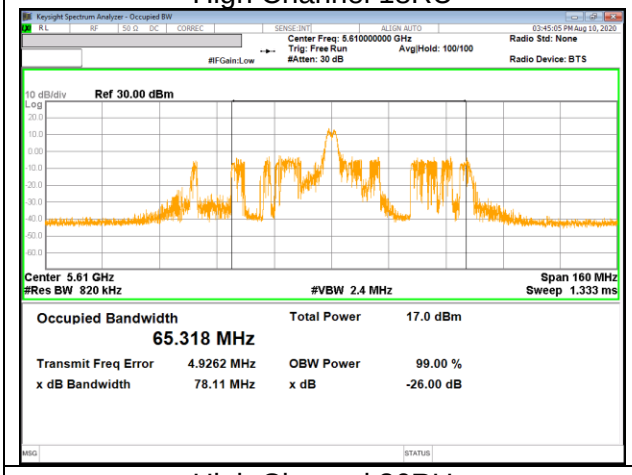
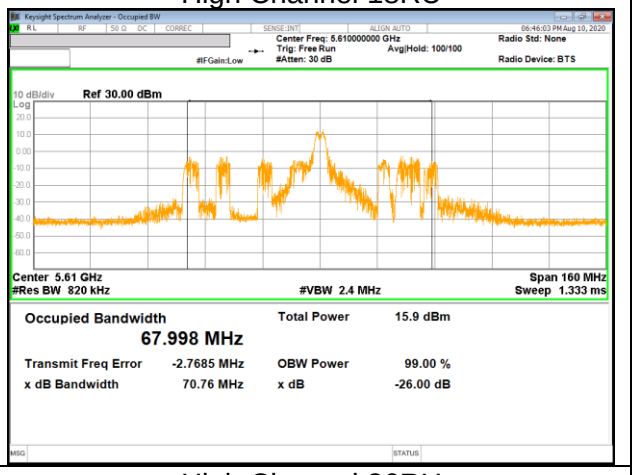
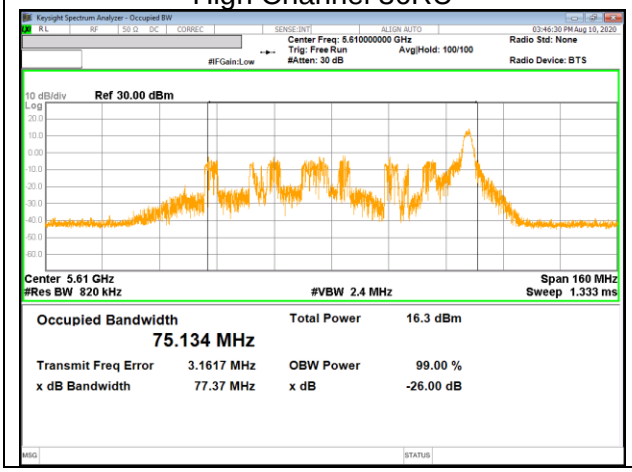
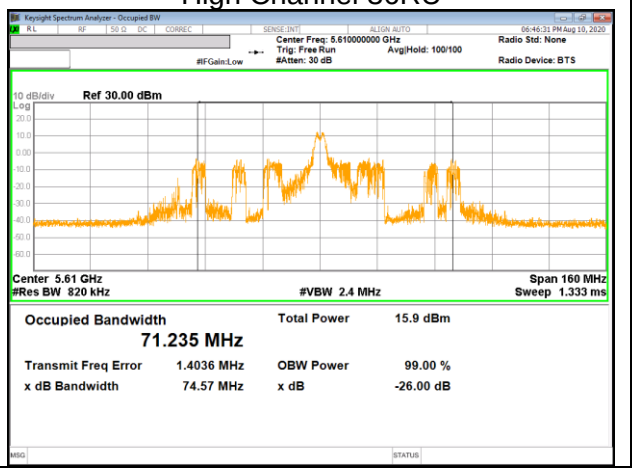
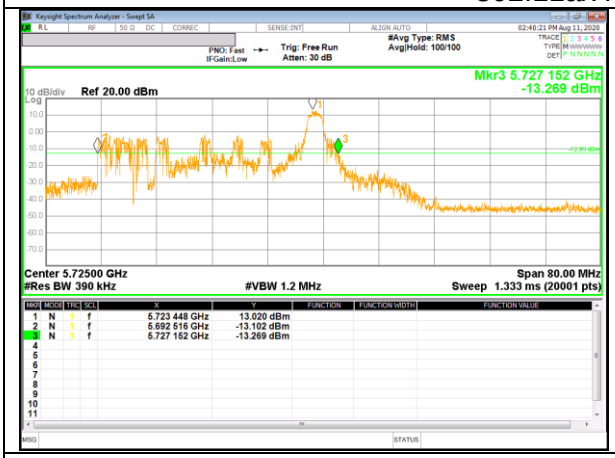
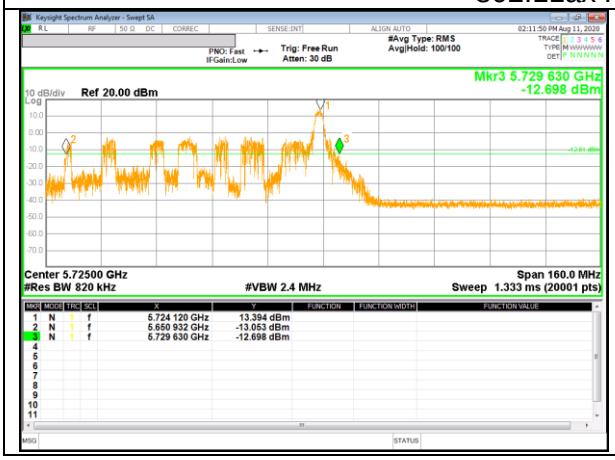
| ANT1 | ANT2 |
|---|---|
| High Channel 0RU | High Channel 0RU |
|  |  |
| High Channel 9RU | High Channel 9RU |
|  |  |
| High Channel 17RU | High Channel 17RU |
|  |  |

## UNII 5.5 GHz IEEE 802.11ax HE80(RU) mode

| ANT1 | ANT2 |
|---|---|
| Low Channel 0RU | Low Channel 0RU |
|  |  |
| Low Channel 18RU | Low Channel 18RU |
|  |  |
| Low Channel 36RU | Low Channel 36RU |
|  |  |

| ANT1 | ANT2 |
|---|---|
| High Channel 0RU | High Channel 0RU |
|  |  |
| High Channel 18RU | High Channel 18RU |
|  |  |
| High Channel 36RU | High Channel 36RU |
|  |  |

## UNII Straddle Channel IEEE 802.11ax HE20, HE40, HE80(RU) mode

| ANT1 | ANT2 |
|---|---|
| 802.11ax HE20(6RU) | |
|  |  |
| 802.11ax HE40(15RU) | |
|  |  |
| 802.11ax HE80(34RU) | |
|  |  |

# 10. ANTENNA PORT TEST RESULTS

## 10.1. 6 dB BANDWIDTH

**LIMITS**

FCC §15.407

The minimum 6 dB bandwidth shall be at least 500 kHz.

**TEST PROCEDURE**

Reference to 789033 D02 General UNII Test Procedures New Rules v02r01: The transmitter output is connected to a spectrum analyzer with the RBW set to100KHz, the VBW >= 3 x RBW, peak detector and max hold.


UL Korea, Ltd. Suwon Laboratory FORM ID: FCC_15E(04)
218 Maeyeong-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16675, Korea TEL: (031) 337-9902 FAX: (031) 213-5433

**RESULTS**

### 10.1.1. 5.8 GHz BAND

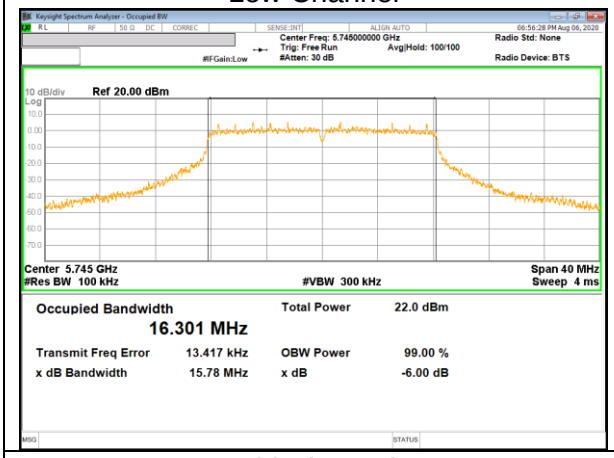
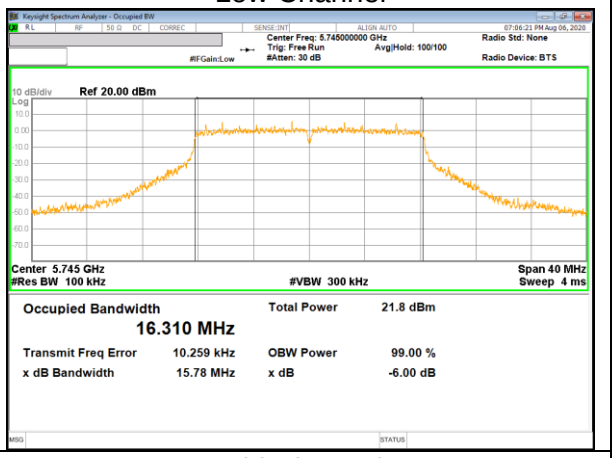
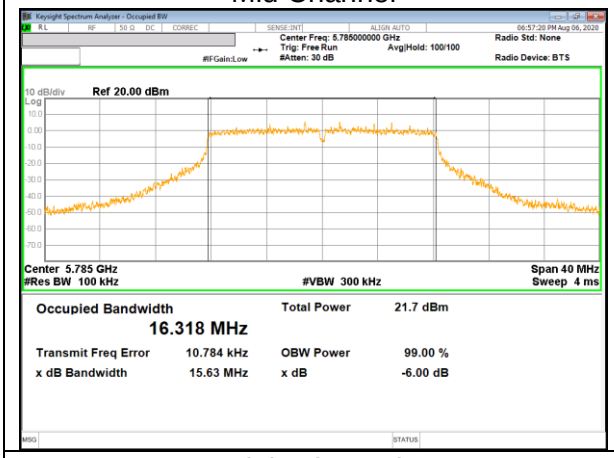
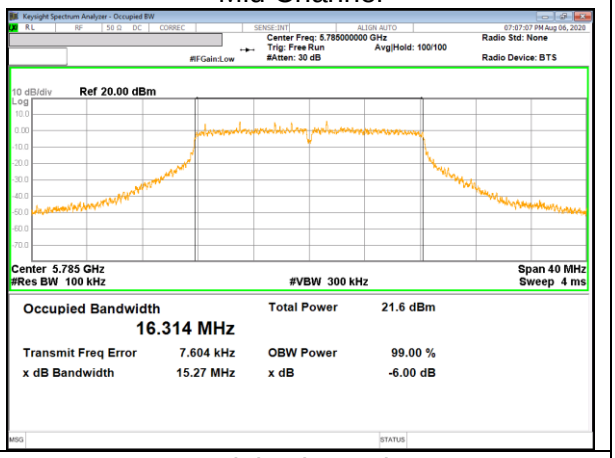
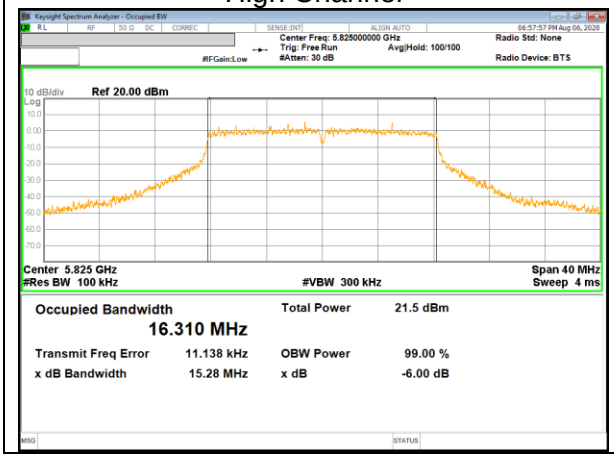
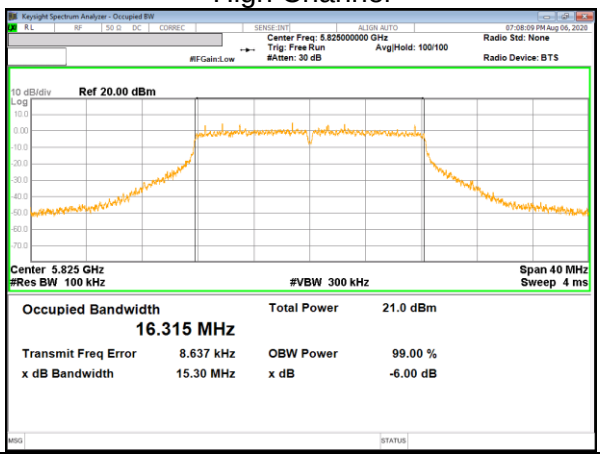
| Band | Mode | Channel | Center Freq. [MHz] | 6 dB BW [MHz] | | Worst | Minimum Limit [MHz] |
|---|---|---|---|---|---|---|---|
| | | | | ANT1 | ANT2 | | |
| UNII-3 | 802.11a | Low | 5745 | 15.78 | 15.78 | 15.27 | 0.5 |
| | | Mid | 5785 | 15.63 | 15.27 | | |
| | | High | 5825 | 15.28 | 15.30 | | |
| | 802.11n HT20 | Low | 5745 | 17.53 | 15.89 | 15.88 | |
| | | Mid | 5785 | 16.51 | 15.88 | | |
| | | High | 5825 | 17.17 | 16.91 | | |
| | 802.11n HT40 | Low | 5755 | 34.25 | 35.32 | 34.25 | |
| | | High | 5795 | 36.02 | 35.64 | | |
| | 802.11ac VHT80 | Mid | 5775 | 75.66 | 75.04 | 75.04 | |
| | 802.11ax HE20(SU) | Low | 5745 | 16.68 | 15.76 | 15.76 | |
| | | Mid | 5785 | 18.56 | 18.51 | | |
| | | High | 5825 | 18.83 | 18.81 | | |
| | 802.11ax HE40(SU) | Low | 5755 | 37.32 | 37.01 | 35.62 | |
| | | High | 5795 | 35.62 | 36.95 | | |
| | 802.11ax HE80(SU) | Mid | 5775 | 72.38 | 77.79 | 72.38 | |

### 10.1.2. 802.11ax 5.8 GHz Band(RU)

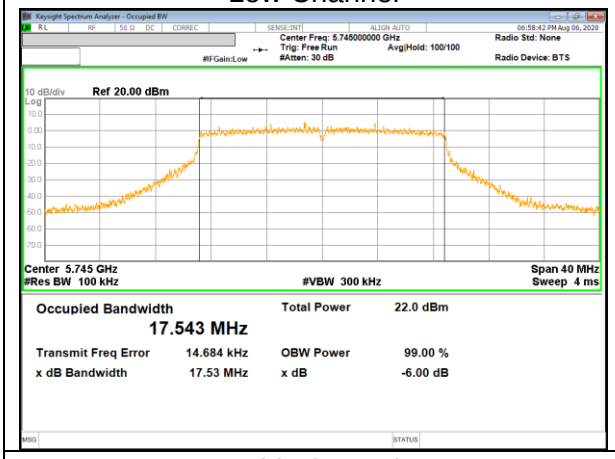
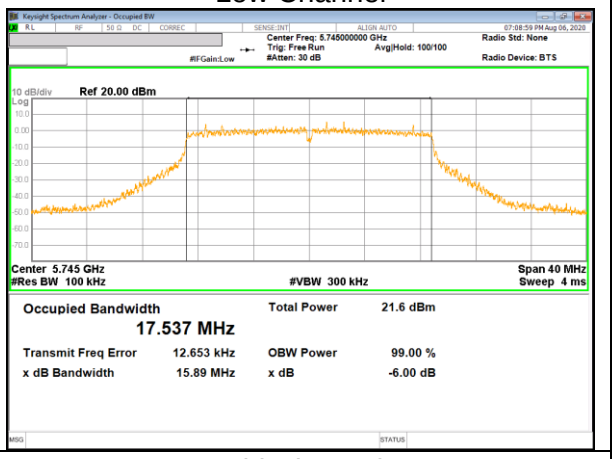
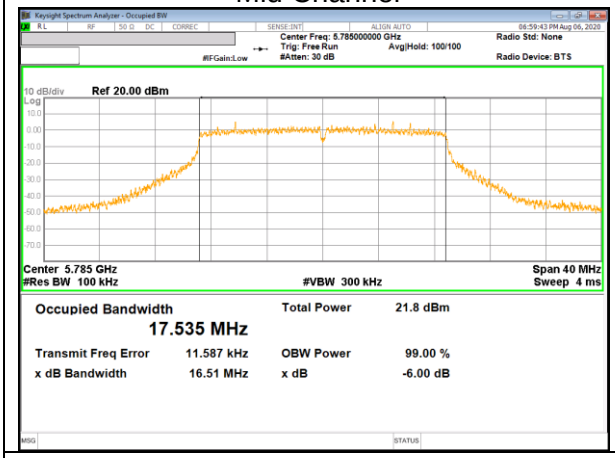
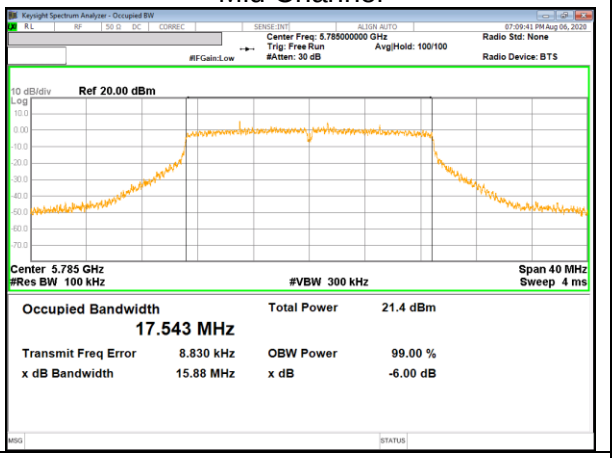
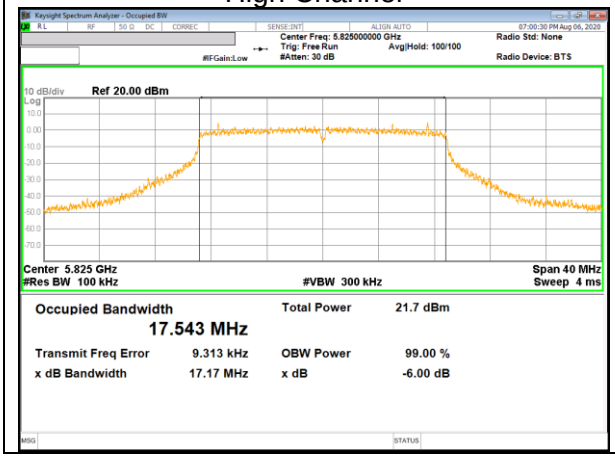
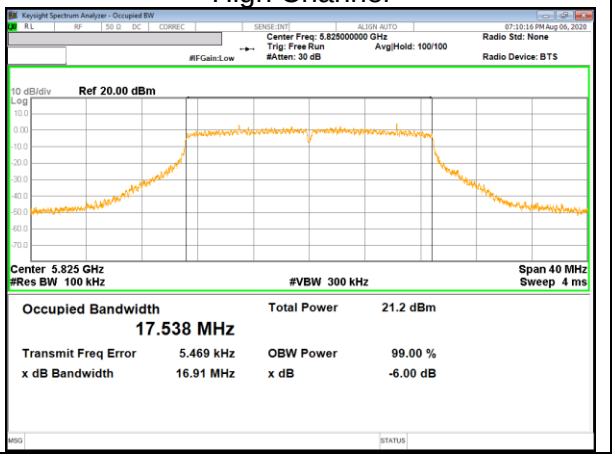
| Band | Mode | Channel | Tones | RU offset | 6 dB BW [MHz] | | Minimum Limit [MHz] |
|---|---|---|---|---|---|---|---|
| | | | | | ANT1 | ANT2 | |
| UNII-3 | HE20 | Low | 26T | 0 | 12.000 | 4.497 | 0.5 |
| | | Mid | | | 2.041 | 2.057 | |
| | | High | | | 2.000 | 2.067 | |
| | | Minimum 6dB Bandwidth | | | 2.000 | | |
| | HE40 | Low | 26T | 0 | 2.024 | 2.055 | |
| | | High | | | 2.070 | 2.000 | |
| | | Minimum 6dB Bandwidth | | | 2.000 | | |
| | HE80 | Mid | 26T | 0 | 1.999 | 2.070 | |
| | | Minimum 6dB Bandwidth | | | 1.999 | | |

### 10.1.3. 6 dB BANDWIDTH PLOTS

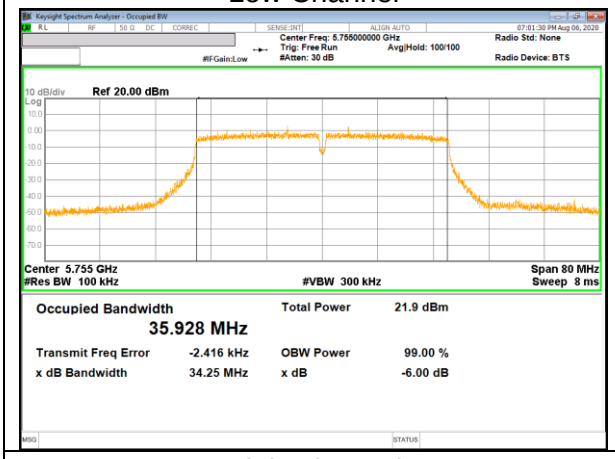
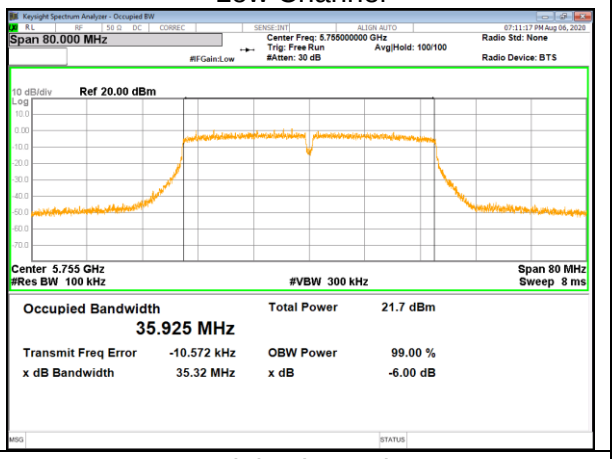
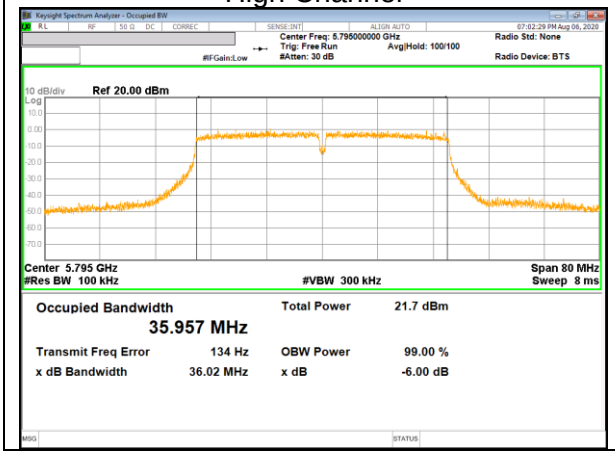
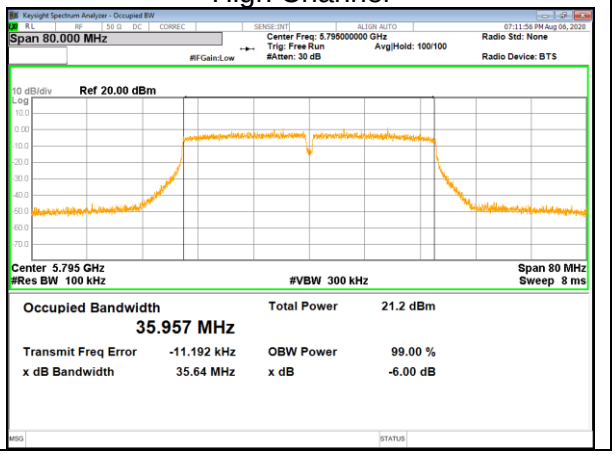
## UNII 5.8 GHz IEEE 802.11a mode

| ANT1 | ANT2 |
|---|---|
| Low Channel | Low Channel |
|  |  |
| Mid Channel | Mid Channel |
|  |  |
| High Channel | High Channel |
|  |  |

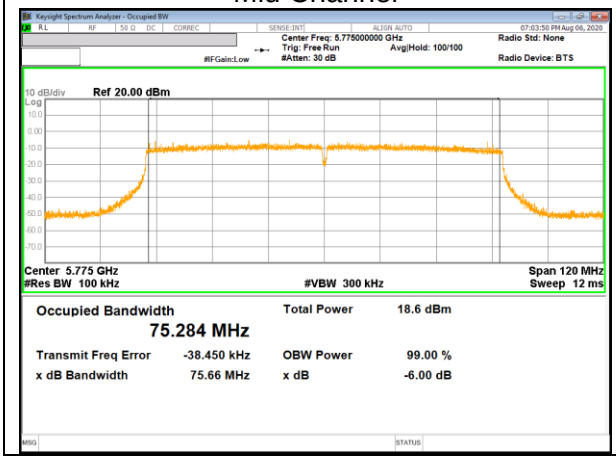
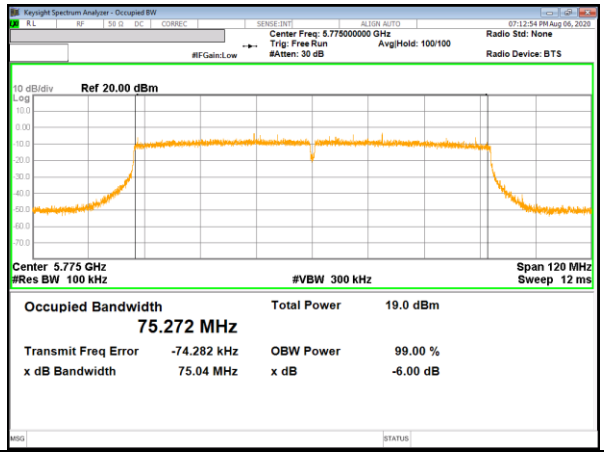
## UNII 5.8 GHz IEEE 802.11n HT20 mode

| ANT1 | ANT2 |
|---|---|
| Low Channel | Low Channel |
|  |  |
| Mid Channel | Mid Channel |
|  |  |
| High Channel | High Channel |
|  |  |

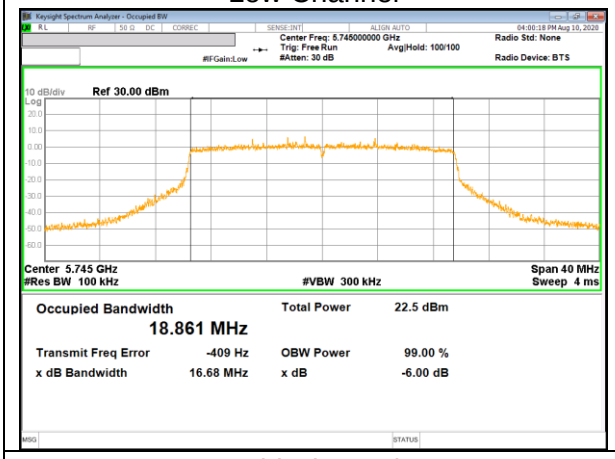
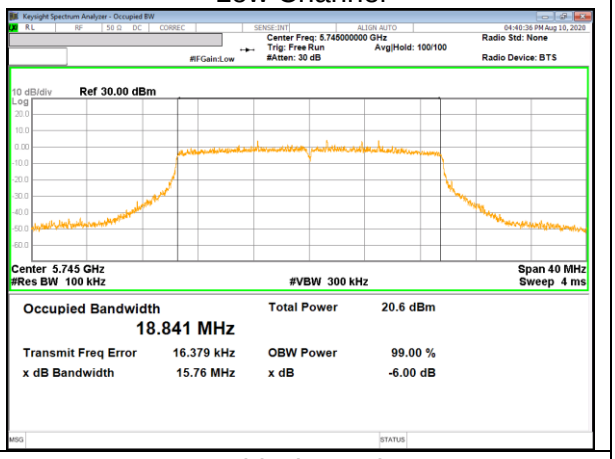
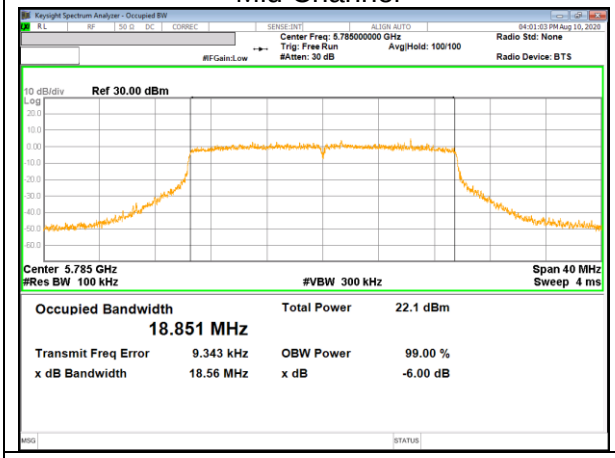
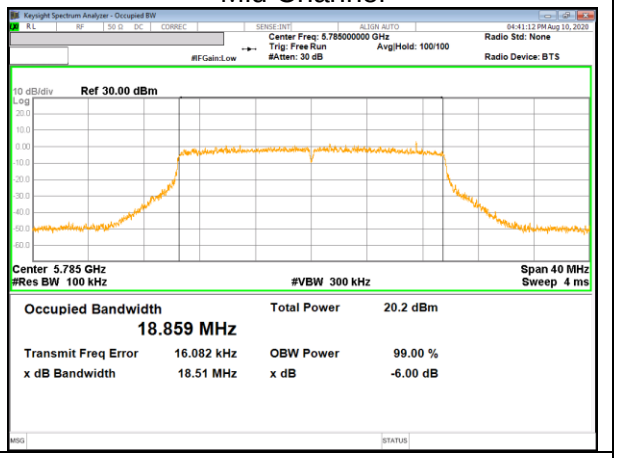
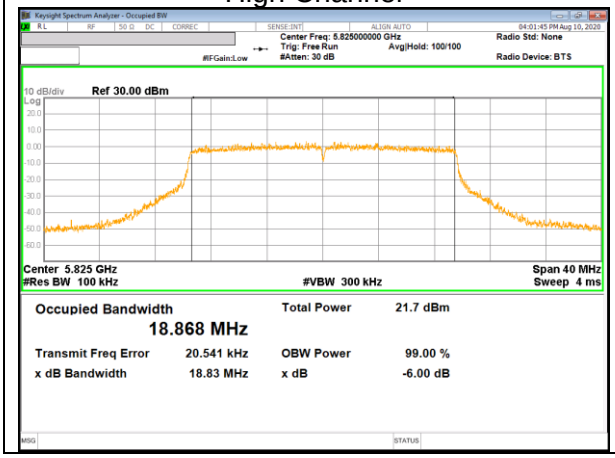
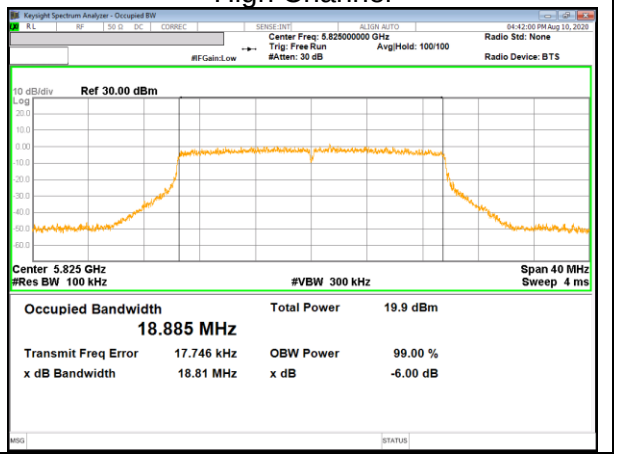
## UNII 5.8 GHz IEEE 802.11n HT40 mode

| ANT1 | ANT2 |
|---|---|
| Low Channel | Low Channel |
|  |  |
| High Channel | High Channel |
|  |  |

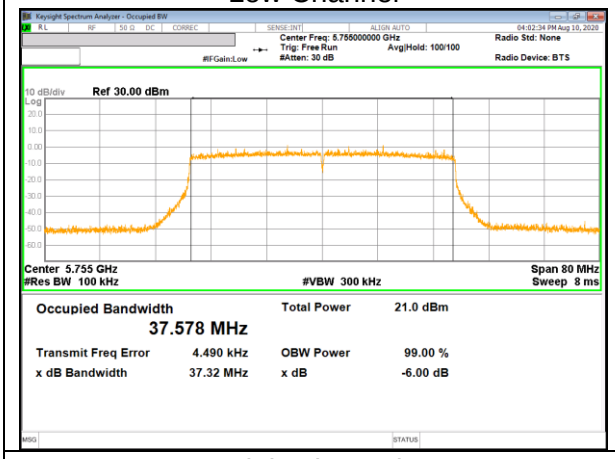
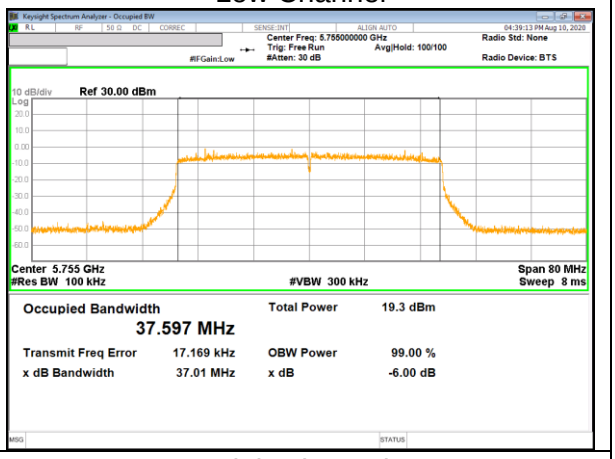
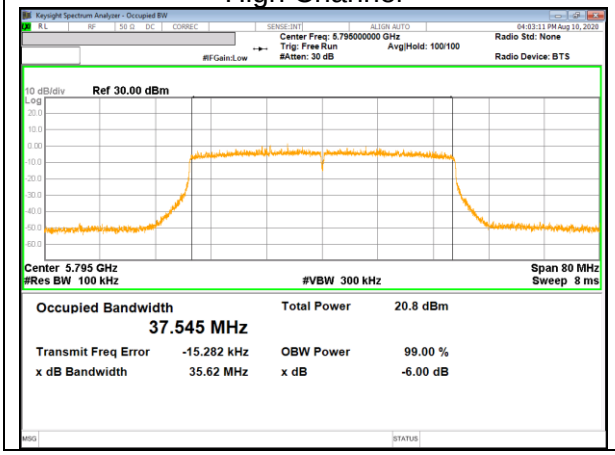
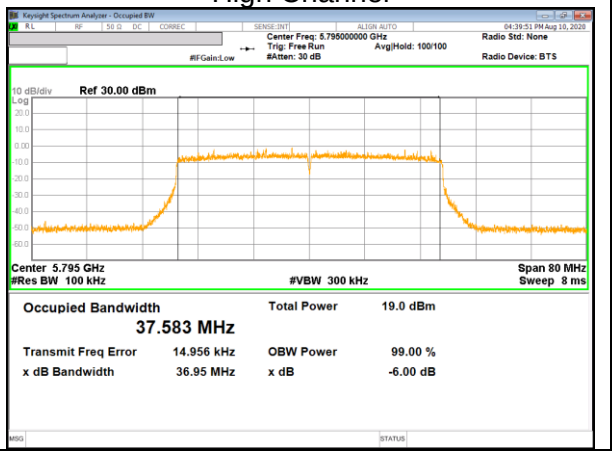
## UNII 5.8 GHz IEEE 802.11ac VHT80 mode

| ANT1 | ANT2 |
|---|---|
| Mid Channel | Mid Channel |
|  |  |

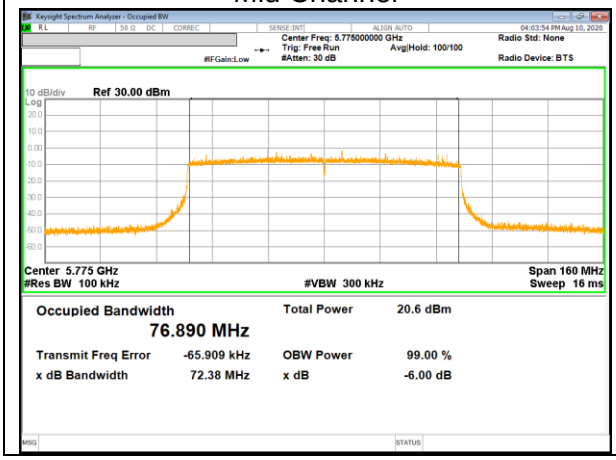
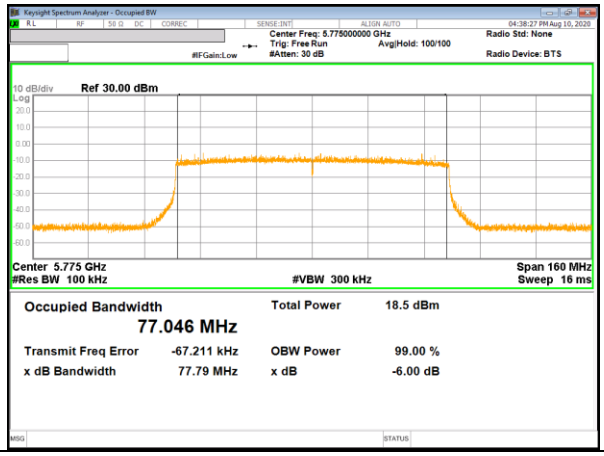
## UNII 5.8 GHz IEEE 802.11ax HE20(SU) mode

| ANT1 | ANT2 |
|---|---|
| Low Channel | Low Channel |
|  |  |
| Mid Channel | Mid Channel |
|  |  |
| High Channel | High Channel |
|  |  |

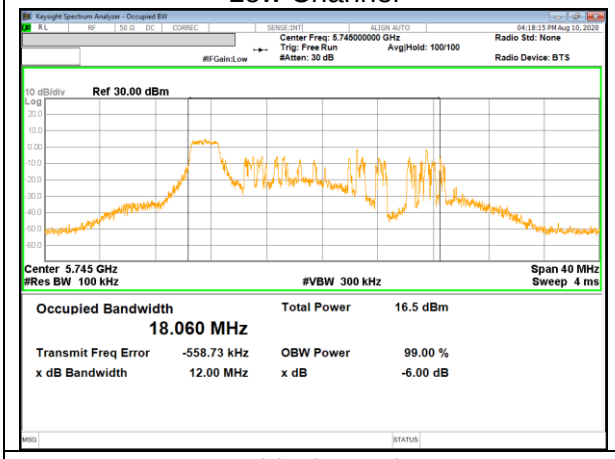
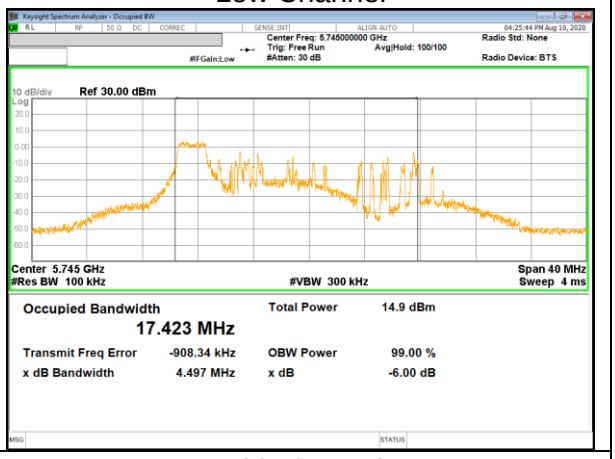
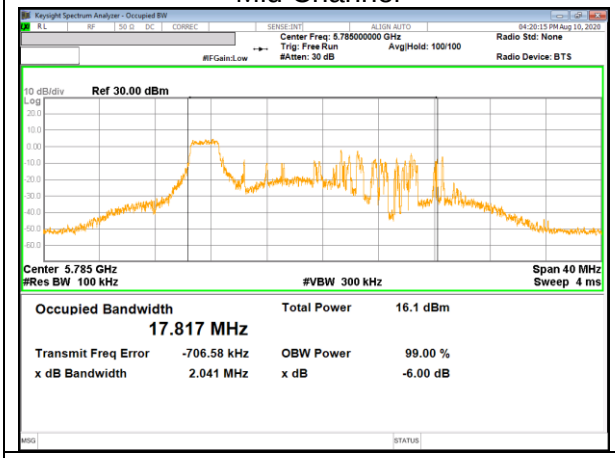
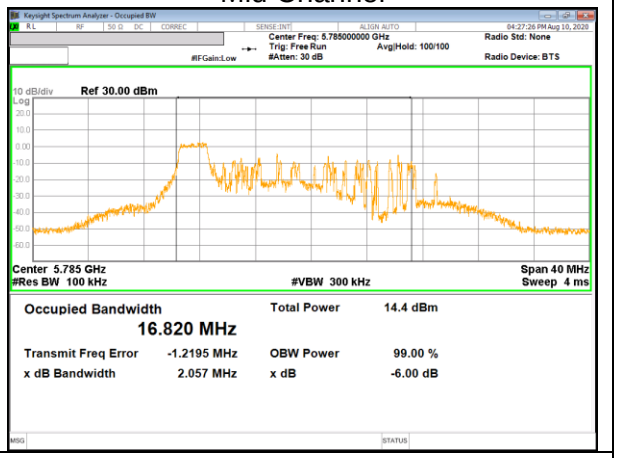
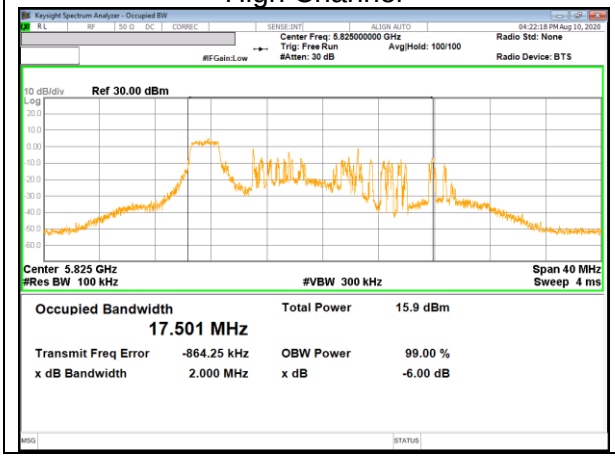
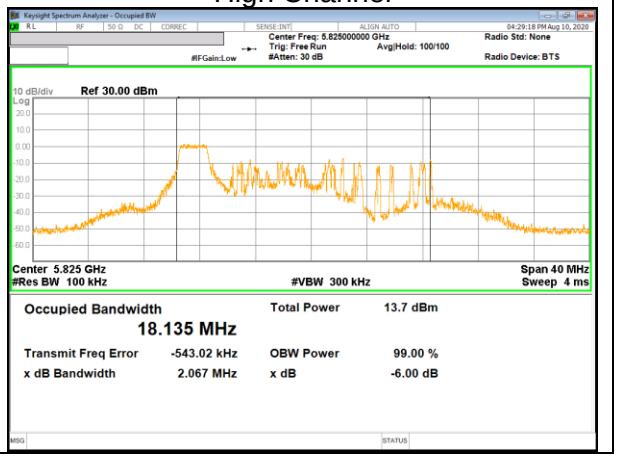
## UNII 5.8 GHz IEEE 802.11ax HE40(SU) mode

| ANT1 | ANT2 |
|---|---|
| Low Channel | Low Channel |
|  |  |
| High Channel | High Channel |
|  |  |

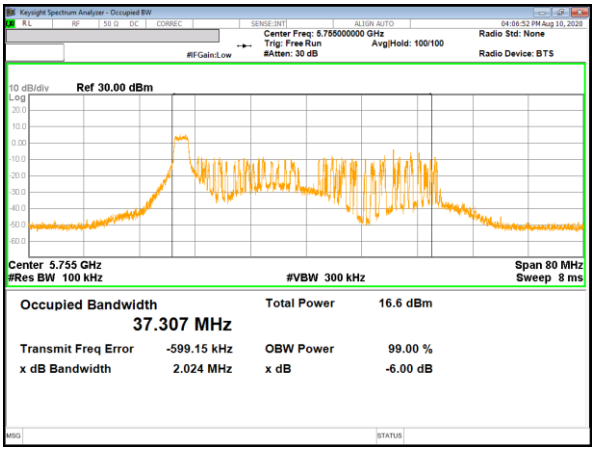
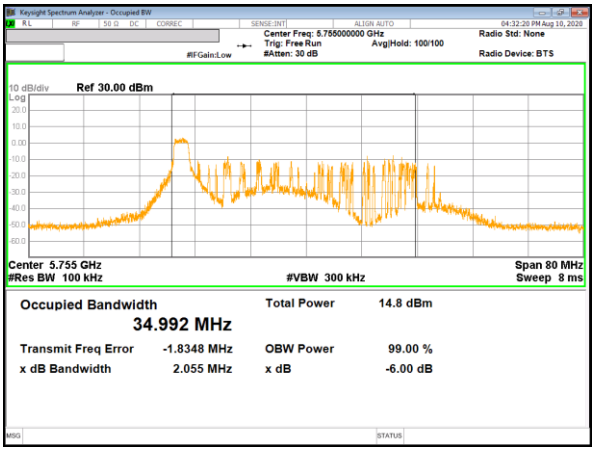
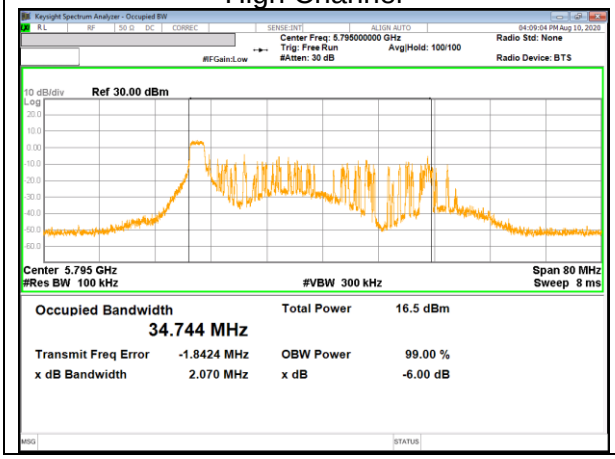
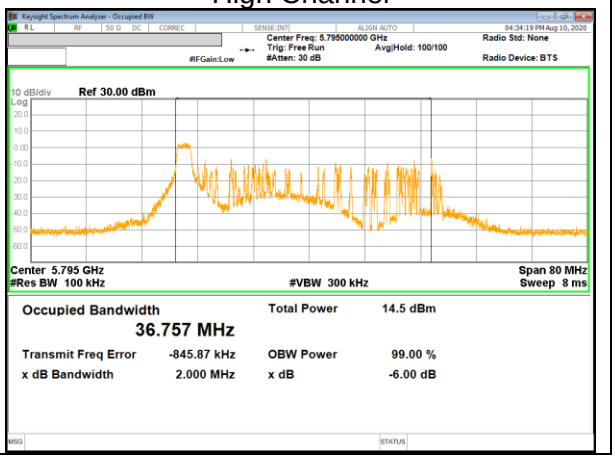
## UNII 5.8 GHz IEEE 802.11ax HE80(SU) mode

| ANT1 | ANT2 |
|---|---|
| Mid Channel | Mid Channel |
|  |  |

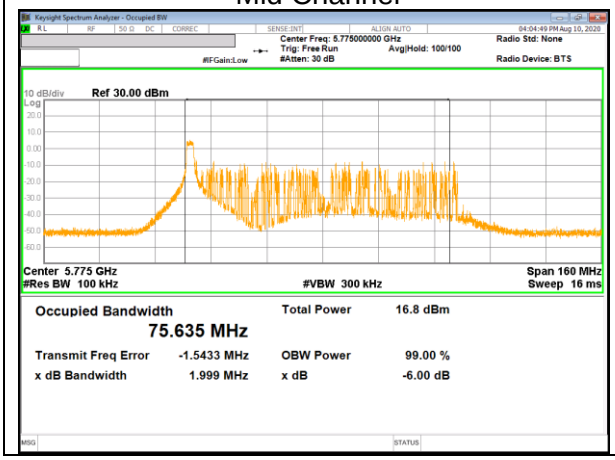
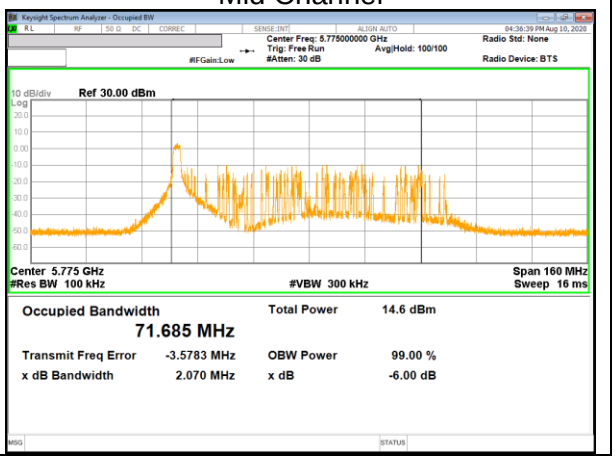
## UNII 5.8 GHz IEEE 802.11ax HE20(RU) mode

| ANT1 | ANT2 |
|---|---|
| Low Channel | Low Channel |
|  |  |
| Mid Channel | Mid Channel |
|  |  |
| High Channel | High Channel |
|  |  |

## UNII 5.8 GHz IEEE 802.11ax HE40(RU) mode

| ANT1 | ANT2 |
|---|---|
| Low Channel | Low Channel |
|  |  |
| High Channel | High Channel |
|  |  |

## UNII 5.8 GHz IEEE 802.11ax HE80(RU) mode

| ANT1 | ANT2 |
|---|---|
| Mid Channel | Mid Channel |
|  |  |

## 10.2. OUTPUT POWER AND PPSD

**LIMITS**

FCC §15.407 (a) (1) (2) (3)

**FCC**

For the band 5.15–5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26dB emission bandwidth in MHz. In addition, the peak power spectral density shall not exceed 11 dBm in any 1 MHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band.

**TEST PROCEDURE**

KDB 789033 Method PM is used for output power.

KDB 789033 Method SA-2 is used for only power of straddle Ch. and PPSD. RBW set to 1MHz(500kHz for the band 5.725-5.85 GHz, the VBW >= 3 x RBW, RMS detector and trace averaging). Band power function used for power and peak marker value of the spectrum is used for PSD.

**DIRECTIONAL ANTENNA GAIN**

For OUTPUT POWER and PSD: The TX chains are correlated and the antenna gains are unequal among the chains. The directional gain is:

| Frequency Band [MHz] | ANT1 Gain [dBi] | ANT2 Gain [dBi] | Correlated Chains Directional Gain [dBi] |
|---|---|---|---|
| UNII 1 5150 - 5250 | -6.72 | -6.31 | -3.50 |
| UNII 2A 5250 - 5350 | -6.72 | -6.31 | -3.50 |
| UNII 2C 5470 - 5725 | -6.47 | -6.27 | -3.36 |
| UNII 3 5725 - 5850 | -8.36 | -6.01 | -4.10 |

**RESULTS**

## 10.2.1. 1Tx MODE IN THE 5.2 GHz BAND

**Bandwidth and Antenna Gain, Limits**

| Band | Mode | Channel | Center Freq. [MHz] | Min 26 dB BW [MHz] | Directional Gain [dBi] | Power Limit [dBm] | PPSD Limit [dBm/MHz] |
|---|---|---|---|---|---|---|---|
| UNII-1 | 802.11a | Low | 5180 | 18.60 | -3.50 | 23.70 | 11.00 |
| | | Mid | 5200 | | | | |
| | | High | 5240 | | | | |
| | 802.11n HT20 | Low | 5180 | 19.74 | | 23.95 | 11.00 |
| | | Mid | 5200 | | | | |
| | | High | 5240 | | | | |
| | 802.11n HT40 | Low | 5190 | 39.12 | | 24.00 | 11.00 |
| | | High | 5230 | | | | |
| | 802.11ac VHT80 | Mid | 5210 | 81.22 | | 24.00 | 11.00 |

| Included in Calculations of Corr'd Power & PPSD | | | |
|---|---|---|---|
| Duty Cycle CF [dB] | 802.11a | 0.00 | dB |
| | 802.11n HT20 | 0.00 | dB |
| | 802.11n HT40 | 0.00 | dB |
| | 802.11ac VHT80 | 0.00 | dB |


UL Korea, Ltd. Suwon Laboratory FORM ID: FCC_15E(04)
218 Maeyeong-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16675, Korea TEL: (031) 337-9902 FAX: (031) 213-5433

## Output Power Results

| Band | Mode | Channel | Center Freq. [MHz] | Meas Power [dBm] | | Corr'd Power [dBm] | | Power Limit [dBm] |
|---|---|---|---|---|---|---|---|---|
| | | | | ANT1 | ANT2 | ANT1 | ANT2 | |
| UNII-1 | 802.11a | Low | 5180 | 16.22 | 16.89 | 16.22 | 16.89 | 23.70 |
| | | Mid | 5200 | 16.47 | 16.87 | 16.47 | 16.87 | |
| | | High | 5240 | 16.44 | 16.83 | 16.44 | 16.83 | |
| | 802.11n HT20 | Low | 5180 | 16.37 | 16.59 | 16.37 | 16.59 | 23.95 |
| | | Mid | 5200 | 16.61 | 16.83 | 16.61 | 16.83 | |
| | | High | 5240 | 16.66 | 16.92 | 16.66 | 16.92 | |
| | 802.11n HT40 | Low | 5190 | 16.44 | 16.96 | 16.44 | 16.96 | 24.00 |
| | | High | 5230 | 16.66 | 16.97 | 16.66 | 16.97 | |
| | 802.11ac VHT80 | Mid | 5210 | 13.47 | 13.71 | 13.47 | 13.71 | 24.00 |

* Calculation of Output Power : Corr'd Power = Meas Power + Duty CF [dB]

## PPSD Results

| Band | Mode | Channel | Center Freq. [MHz] | Meas PPSD [dBm/MHz] | | Corr'd PPSD [dBm/MHz] | | PPSD Limit [dBm/1MHz] |
|---|---|---|---|---|---|---|---|---|
| | | | | ANT1 | ANT2 | ANT1 | ANT2 | |
| UNII-1 | 802.11a | Low | 5180 | 5.058 | 6.190 | 5.058 | 6.190 | 11.00 |
| | | Mid | 5200 | 5.472 | 6.305 | 5.472 | 6.305 | |
| | | High | 5240 | 5.618 | 6.233 | 5.618 | 6.233 | |
| | 802.11n HT20 | Low | 5180 | 5.108 | 5.756 | 5.108 | 5.756 | |
| | | Mid | 5200 | 5.560 | 5.924 | 5.560 | 5.924 | |
| | | High | 5240 | 5.495 | 5.923 | 5.495 | 5.923 | |
| | 802.11n HT40 | Low | 5190 | 2.481 | 3.160 | 2.481 | 3.160 | |
| | | High | 5230 | 2.572 | 3.370 | 2.572 | 3.370 | |
| | 802.11ac VHT80 | Mid | 5210 | -3.607 | -3.293 | -3.607 | -3.293 | |

* Calculation of PPSD result : Corr'd PPSD = Meas PPSD + Duty CF + Corr'd factor [dB]


UL Korea, Ltd. Suwon Laboratory FORM ID: FCC_15E(04)
218 Maeyeong-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16675, Korea TEL: (031) 337-9902 FAX: (031) 213-5433

### 10.2.2. 1Tx MODE IN THE 5.3 GHz BAND

**Bandwidth and Antenna Gain, Limits**

| Band | Mode | Channel | Center Freq. [MHz] | Min 26 dB BW [MHz] | Directional Gain [dBi] | Power Limit [dBm] | PPSD Limit [dBm/MHz] |
|---|---|---|---|---|---|---|---|
| UNII-2A | 802.11a | Low | 5260 | 18.49 | -3.50 | 23.67 | 11.00 |
| | | Mid | 5300 | | | | |
| | | High | 5320 | | | | |
| | 802.11n HT20 | Low | 5260 | 19.63 | | 23.93 | 11.00 |
| | | Mid | 5300 | | | | |
| | | High | 5320 | | | | |
| | 802.11n HT40 | Low | 5270 | 39.06 | | 24.00 | 11.00 |
| | | High | 5310 | | | | |
| | 802.11ac VHT80 | Mid | 5290 | 81.41 | | 24.00 | 11.00 |

| Included in Calculations of Corr'd Power & PPSD | | | |
|---|---|---|---|
| Duty Cycle CF [dB] | 802.11a | 0.00 | dB |
| | 802.11n HT20 | 0.00 | dB |
| | 802.11n HT40 | 0.00 | dB |
| | 802.11ac VHT80 | 0.00 | dB |


UL Korea, Ltd. Suwon Laboratory FORM ID: FCC_15E(04)
218 Maeyeong-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16675, Korea TEL: (031) 337-9902 FAX: (031) 213-5433

## Output Power Results

| Band | Mode | Channel | Center Freq. [MHz] | Meas Power [dBm] | | Corr'd Power [dBm] | | Power Limit [dBm] |
|---|---|---|---|---|---|---|---|---|
| | | | | ANT1 | ANT2 | ANT1 | ANT2 | |
| UNII-2A | 802.11a | Low | 5260 | 16.34 | 16.81 | 16.34 | 16.81 | 23.67 |
| | | Mid | 5300 | 16.55 | 16.97 | 16.55 | 16.97 | |
| | | High | 5320 | 16.87 | 16.87 | 16.87 | 16.87 | |
| | 802.11n HT20 | Low | 5260 | 16.04 | 16.92 | 16.04 | 16.92 | 23.93 |
| | | Mid | 5300 | 16.24 | 16.64 | 16.24 | 16.64 | |
| | | High | 5320 | 16.57 | 16.55 | 16.57 | 16.55 | |
| | 802.11n HT40 | Low | 5270 | 16.47 | 16.85 | 16.47 | 16.85 | 24.00 |
| | | High | 5310 | 16.72 | 16.96 | 16.72 | 16.96 | |
| | 802.11ac VHT80 | Mid | 5290 | 13.34 | 13.78 | 13.34 | 13.78 | 24.00 |

* Calculation of Output Power : Corr'd Power = Meas Power + Duty CF [dB]

## PPSD Results

| Band | Mode | Channel | Center Freq. [MHz] | Meas PPSD [dBm/MHz] | | Corr'd PPSD [dBm/MHz] | | PPSD Limit [dBm/1MHz] |
|---|---|---|---|---|---|---|---|---|
| | | | | ANT1 | ANT2 | ANT1 | ANT2 | |
| UNII-2A | 802.11a | Low | 5260 | 5.870 | 5.762 | 5.870 | 5.762 | 11.00 |
| | | Mid | 5300 | 5.530 | 5.917 | 5.530 | 5.917 | |
| | | High | 5320 | 5.765 | 5.980 | 5.765 | 5.980 | |
| | 802.11n HT20 | Low | 5260 | 4.841 | 5.909 | 4.841 | 5.909 | |
| | | Mid | 5300 | 5.012 | 5.509 | 5.012 | 5.509 | |
| | | High | 5320 | 5.334 | 5.544 | 5.334 | 5.544 | |
| | 802.11n HT40 | Low | 5270 | 2.308 | 2.521 | 2.308 | 2.521 | |
| | | High | 5310 | 2.261 | 3.011 | 2.261 | 3.011 | |
| | 802.11ac VHT80 | Mid | 5290 | -3.981 | -3.194 | -3.981 | -3.194 | |

* Calculation of PPSD result : Corr'd PPSD = Meas PPSD + Duty CF + Corr'd factor [dB]


UL Korea, Ltd. Suwon Laboratory FORM ID: FCC_15E(04)
218 Maeyeong-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16675, Korea TEL: (031) 337-9902 FAX: (031) 213-5433

### 10.2.3. 1Tx MODE IN THE 5.5 GHz BAND

**Bandwidth and Antenna Gain, Limits**

| Band | Mode | Channel | Center Freq. [MHz] | Min 26 dB BW [MHz] | Directional Gain [dBi] | Power Limit [dBm] | PPSD Limit [dBm/MHz] |
|---|---|---|---|---|---|---|---|
| UNII-2C | 802.11a | Low | 5500 | 18.67 | -3.36 | 23.71 | 11.00 |
| | | Mid | 5580 | | | | |
| | | High | 5700 | | | | |
| | 802.11n HT20 | Low | 5500 | 19.53 | | 23.91 | 11.00 |
| | | Mid | 5580 | | | | |
| | | High | 5700 | | | | |
| | 802.11n HT40 | Low | 5510 | 39.16 | | 24.00 | 11.00 |
| | | Mid | 5590 | | | | |
| | | High | 5670 | | | | |
| | 802.11ac VHT80 | Low | 5530 | 81.05 | | 24.00 | 11.00 |
| | | High | 5610 | | | | |

| Included in Calculations of Corr'd Power & PPSD | | | |
|---|---|---|---|
| Duty Cycle CF [dB] | 802.11a | 0.00 | dB |
| | 802.11n HT20 | 0.00 | dB |
| | 802.11n HT40 | 0.00 | dB |
| | 802.11ac VHT80 | 0.00 | dB |

## Output Power Results

| Band | Mode | Channel | Center Freq. [MHz] | Meas Power [dBm] | | Corr'd Power [dBm] | | Power Limit [dBm] |
|---|---|---|---|---|---|---|---|---|
| | | | | ANT1 | ANT2 | ANT1 | ANT2 | |
| UNII-2C | 802.11a | Low | 5500 | 16.11 | 16.92 | 16.11 | 16.92 | 23.71 |
| | | Mid | 5580 | 16.49 | 16.85 | 16.49 | 16.85 | |
| | | High | 5700 | 16.42 | 16.83 | 16.42 | 16.83 | |
| | 802.11n HT20 | Low | 5500 | 16.26 | 16.62 | 16.26 | 16.62 | 23.91 |
| | | Mid | 5580 | 16.65 | 16.55 | 16.65 | 16.55 | |
| | | High | 5700 | 16.51 | 16.81 | 16.51 | 16.81 | |
| | 802.11n HT40 | Low | 5510 | 16.26 | 16.59 | 16.26 | 16.59 | 24.00 |
| | | Mid | 5590 | 16.41 | 16.14 | 16.41 | 16.14 | |
| | | High | 5670 | 16.63 | 16.39 | 16.63 | 16.39 | |
| | 802.11ac VHT80 | Low | 5530 | 13.27 | 14.13 | 13.27 | 14.13 | 24.00 |
| | | High | 5610 | 13.18 | 13.72 | 13.18 | 13.72 | |

* Calculation of Output Power : Corr'd Power = Meas Power + Duty CF [dB]

## PPSD Results

| Band | Mode | Channel | Center Freq. [MHz] | Meas PPSD [dBm/MHz] | | Corr'd PPSD [dBm/MHz] | | PPSD Limit [dBm/1MHz] |
|---|---|---|---|---|---|---|---|---|
| | | | | ANT1 | ANT2 | ANT1 | ANT2 | |
| UNII-2C | 802.11a | Low | 5500 | 5.191 | 6.149 | 5.191 | 6.149 | 11.00 |
| | | Mid | 5580 | 5.828 | 6.470 | 5.828 | 6.470 | |
| | | High | 5700 | 5.705 | 6.429 | 5.705 | 6.429 | |
| | 802.11n HT20 | Low | 5500 | 5.183 | 5.891 | 5.183 | 5.891 | |
| | | Mid | 5580 | 5.657 | 5.778 | 5.657 | 5.778 | |
| | | High | 5700 | 5.786 | 5.767 | 5.786 | 5.767 | |
| | 802.11n HT40 | Low | 5510 | 1.643 | 2.254 | 1.643 | 2.254 | |
| | | Mid | 5590 | 1.792 | 2.036 | 1.792 | 2.036 | |
| | | High | 5670 | 2.364 | 2.445 | 2.364 | 2.445 | |
| | 802.11ac VHT80 | Low | 5530 | -4.108 | -3.265 | -4.108 | -3.265 | |
| | | High | 5610 | -4.449 | -3.705 | -4.449 | -3.705 | |

* Calculation of PPSD result : Corr'd PPSD = Meas PPSD + Duty CF + Corr'd factor [dB]

## 10.2.4. 1Tx MODE IN THE 5.8 GHz BAND

**Bandwidth and Antenna Gain, Limits**

| Included in Calculations of Corr'd Power & PPSD | | | |
|---|---|---|---|
| Duty Cycle CF [dB] | 802.11a | 0.00 | dB |
| | 802.11n20 | 0.00 | dB |
| | 802.11n40 | 0.00 | dB |
| | 802.11ac VHT80 | 0.00 | dB |

**Output Power Results**

| Band | Mode | Channel | Center Freq. [MHz] | Meas Power [dBm] | | Corr'd Power [dBm] | | Power Limit [dBm] |
|---|---|---|---|---|---|---|---|---|
| | | | | ANT1 | ANT2 | ANT1 | ANT2 | |
| UNII-3 | 802.11a | Mid | 5745 | 16.42 | 16.79 | 16.42 | 16.79 | 30.00 |
| | | High | 5785 | 16.67 | 16.98 | 16.67 | 16.98 | |
| | | High | 5825 | 16.71 | 16.59 | 16.71 | 16.59 | |
| | 802.11n HT20 | Low | 5745 | 16.52 | 16.47 | 16.52 | 16.47 | |
| | | Mid | 5785 | 16.74 | 16.68 | 16.74 | 16.68 | |
| | | High | 5825 | 16.79 | 16.78 | 16.79 | 16.78 | |
| | 802.11n HT40 | Low | 5755 | 16.62 | 16.71 | 16.62 | 16.71 | |
| | | High | 5795 | 16.81 | 16.64 | 16.81 | 16.64 | |
| | 802.11ac VHT80 | Mid | 5775 | 13.46 | 13.99 | 13.46 | 13.99 | |

* Calculation of Output Power : Corr'd Power = Meas Power + Duty CF [dB]

**PPSD Results**

| Band | Mode | Channel | Center Freq. [MHz] | Meas PPSD [dBm/500kHz] | | Corr'd PPSD [dBm/500kHz] | | PPSD Limit [dBm/500kHz] |
|---|---|---|---|---|---|---|---|---|
| | | | | ANT1 | ANT2 | ANT1 | ANT2 | |
| UNII-3 | 802.11a | Low | 5745 | 2.393 | 3.171 | 2.393 | 3.171 | 30.00 |
| | | Mid | 5785 | 2.949 | 3.290 | 2.949 | 3.290 | |
| | | High | 5825 | 2.697 | 3.064 | 2.697 | 3.064 | |
| | 802.11n HT20 | Low | 5745 | 2.406 | 2.375 | 2.406 | 2.375 | |
| | | Mid | 5785 | 2.704 | 2.837 | 2.704 | 2.837 | |
| | | High | 5825 | 2.972 | 2.738 | 2.972 | 2.738 | |
| | 802.11n HT40 | Low | 5755 | -0.201 | 0.322 | -0.201 | 0.322 | |
| | | High | 5795 | -0.138 | -0.017 | -0.138 | -0.017 | |
| | 802.11ac VHT80 | Mid | 5775 | -6.530 | -5.774 | -6.530 | -5.774 | |

* Calculation of PPSD result : Corr'd PPSD = Meas PPSD + Duty CF + Corr'd factor [dB]

## 10.2.5. 1Tx Mode Straddle channel IN THE 5.5 GHz BAND

**Bandwidth and Antenna Gain, Limits**

| Band | Mode | Channel | Center Freq. [MHz] | Min 26 dB BW [MHz] | Directional Gain [dBi] | Power Limit [dBm] | PPSD Limit [dBm/MHz] |
|---|---|---|---|---|---|---|---|
| UNII-2C | 802.11a | Straddle | 5720 | 15.180 | -3.36 | 22.81 | 11.00 |
| | 802.11n HT20 | Straddle | 5720 | 14.974 | | 22.75 | 11.00 |
| | 802.11n HT40 | Straddle | 5710 | 34.476 | | 24.00 | 11.00 |
| | 802.11ac VHT80 | Straddle | 5690 | 75.714 | | 24.00 | 11.00 |
| Included in Calculations of Corr'd Power & PPSD | | | | | | | |
| Duty Cycle CF [dB] | | | 802.11a | | | 0.00 | dB |
| | | | 802.11n HT20 | | | 0.00 | dB |
| | | | 802.11n HT40 | | | 0.00 | dB |
| | | | 802.11ac VHT80 | | | 0.00 | dB |

**Output Power Results**

| Band | Mode | Channel | Center Freq. [MHz] | Meas Power [dBm] | | Corr'd Power [dBm] | | Power Limit [dBm] |
|---|---|---|---|---|---|---|---|---|
| | | | | ANT1 | ANT2 | ANT1 | ANT2 | |
| UNII-2C | 802.11a | Straddle | 5720 | 15.137 | 15.526 | 15.137 | 15.526 | 22.81 |
| | 802.11n HT20 | Straddle | 5720 | 15.159 | 15.189 | 15.159 | 15.189 | 22.75 |
| | 802.11n HT40 | Straddle | 5710 | 16.114 | 16.187 | 16.114 | 16.187 | 24.00 |
| | 802.11ac VHT80 | Straddle | 5690 | 12.889 | 13.431 | 12.889 | 13.431 | 24.00 |

* Calculation of Output Power : Corr'd Power = Meas Power + Duty CF [dB]

**PPSD Results**

| Band | Mode | Channel | Center Freq. [MHz] | Meas PPSD [dBm/MHz] | | Corr'd PPSD [dBm/MHz] | | PPSD Limit [dBm/1MHz] |
|---|---|---|---|---|---|---|---|---|
| | | | | ANT1 | ANT2 | ANT1 | ANT2 | |
| UNII-2C | 802.11a | Straddle | 5720 | 5.503 | 6.232 | 5.503 | 6.232 | 11.00 |
| | 802.11n HT20 | Straddle | 5720 | 5.311 | 6.145 | 5.311 | 6.145 | |
| | 802.11n HT40 | Straddle | 5710 | 1.875 | 2.536 | 1.875 | 2.536 | |
| | 802.11ac VHT80 | Straddle | 5690 | -4.190 | -3.090 | -4.190 | -3.090 | |

* Calculation of PPSD result : Corr'd PPSD = Meas PPSD + Duty CF + Corr'd factor [dB]

### 10.2.6. 1Tx Mode Straddle channel IN THE 5.8 GHz BAND

**Bandwidth and Antenna Gain, Limits**

| Band | Mode | Channel | Center Freq. [MHz] | Min 26 dB BW [MHz] | Directional Gain [dBi] | Power Limit [dBm] | PPSD Limit [dBm/500kHz] |
|---|---|---|---|---|---|---|---|
| UNII-3 | 802.11a | Straddle | 5720 | 4.294 | -4.10 | 30.00 | 30.00 |
| | 802.11n HT20 | Straddle | 5720 | 4.826 | | | |
| | 802.11n HT40 | Straddle | 5710 | 4.564 | | | |
| | 802.11ac VHT80 | Straddle | 5690 | 5.374 | | | |

| Included in Calculations of Corr'd Power & PPSD | | | |
|---|---|---|---|
| Duty Cycle CF [dB] | 802.11a | 0.00 | dB |
| | 802.11n HT20 | 0.00 | dB |
| | 802.11n HT40 | 0.00 | dB |
| | 802.11ac VHT80 | 0.00 | dB |

**Output Power Results**

| Band | Mode | Channel | Center Freq. [MHz] | Meas Power [dBm] | | Corr'd Power [dBm] | | Power Limit [dBm] |
|---|---|---|---|---|---|---|---|---|
| | | | | ANT1 | ANT2 | ANT1 | ANT2 | |
| UNII-3 | 802.11a | Straddle | 5720 | 8.501 | 8.901 | 8.501 | 8.901 | 30.00 |
| | 802.11n HT20 | Straddle | 5720 | 8.900 | 8.984 | 8.900 | 8.984 | |
| | 802.11n HT40 | Straddle | 5710 | 4.722 | 4.850 | 4.722 | 4.850 | |
| | 802.11ac VHT80 | Straddle | 5690 | -2.394 | -1.792 | -2.394 | -1.792 | |

* Calculation of Output Power : Corr'd Power = Meas Power + Duty CF [dB]

**PPSD Results**

| Band | Mode | Channel | Center Freq. [MHz] | Meas PPSD [dBm/500kHz] | | Corr'd PPSD [dBm/500kHz] | | PPSD Limit [dBm/500kHz] |
|---|---|---|---|---|---|---|---|---|
| | | | | ANT1 | ANT2 | ANT1 | ANT2 | |
| UNII-3 | 802.11a | Straddle | 5720 | 1.989 | 2.558 | 1.989 | 2.558 | 30.00 |
| | 802.11n HT20 | Straddle | 5720 | 1.778 | 1.973 | 1.778 | 1.973 | |
| | 802.11n HT40 | Straddle | 5710 | -2.211 | -2.158 | -2.211 | -2.158 | |
| | 802.11ac VHT80 | Straddle | 5690 | -9.264 | -8.405 | -9.264 | -8.405 | |

* Calculation of PPSD result : Corr'd PPSD = Meas PPSD + Duty CF + Corr'd factor [dB]


UL Korea, Ltd. Suwon Laboratory FORM ID: FCC_15E(04)
218 Maeyeong-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16675, Korea TEL: (031) 337-9902 FAX: (031) 213-5433

## 10.2.7. 2Tx MODE IN THE 5.2 GHz BAND

**Bandwidth and Antenna Gain, Limits**

| Band | Mode | Channel | Center Freq. [MHz] | Min 26 dB BW [MHz] | Directional Gain [dBi] | Power Limit [dBm] | PPSD Limit [dBm/MHz] |
|---|---|---|---|---|---|---|---|
| UNII-1 | 802.11a | Low | 5180 | 18.60 | -3.50 | 23.70 | 11.00 |
| | | Mid | 5200 | | | | |
| | | High | 5240 | | | | |
| | 802.11n HT20 | Low | 5180 | 19.74 | | 23.95 | 11.00 |
| | | Mid | 5200 | | | | |
| | | High | 5240 | | | | |
| | 802.11n HT40 | Low | 5190 | 39.12 | | 24.00 | 11.00 |
| | | High | 5230 | | | | |
| | 802.11ac VHT80 | Mid | 5210 | 81.22 | | 24.00 | 11.00 |

| Included in Calculations of Corr'd Power & PPSD | | | |
|---|---|---|---|
| Duty Cycle CF [dB] | 802.11a | 0.00 | dB |
| | 802.11n HT20 | 0.00 | dB |
| | 802.11n HT40 | 0.00 | dB |
| | 802.11ac VHT80 | 0.00 | dB |

## Output Power Results

| Band | Mode | Channel | Center Freq. [MHz] | Meas Power [dBm] | | Total Corr'd Power [dBm] | Power Limit [dBm] |
|---|---|---|---|---|---|---|---|
| | | | | ANT1 | ANT2 | | |
| UNII-1 | 802.11a | Low | 5180 | 16.04 | 16.60 | 19.34 | 23.70 |
| | | Mid | 5200 | 16.32 | 16.83 | 19.59 | |
| | | High | 5240 | 16.27 | 16.98 | 19.65 | |
| | 802.11n HT20 | Low | 5180 | 15.76 | 16.31 | 19.05 | 23.95 |
| | | Mid | 5200 | 15.93 | 16.45 | 19.21 | |
| | | High | 5240 | 15.97 | 16.68 | 19.35 | |
| | 802.11n HT40 | Low | 5190 | 16.30 | 16.61 | 19.47 | 24.00 |
| | | High | 5230 | 16.52 | 16.84 | 19.69 | |
| | 802.11ac VHT80 | Mid | 5210 | 13.41 | 13.98 | 16.71 | 24.00 |

* Calculation of Output Power : Corr'd Power = Ant1 Power + Ant2 Power + Duty CF [dB]

## PPSD Results

| Band | Mode | Channel | Center Freq. [MHz] | Meas PPSD [dBm/MHz] | | Total Corr'd PPSD [dBm/MHz] | PPSD Limit [dBm/MHz] |
|---|---|---|---|---|---|---|---|
| | | | | ANT1 | ANT2 | | |
| UNII-1 | 802.11a | Low | 5180 | 5.058 | 6.190 | 8.671 | 11.00 |
| | | Mid | 5200 | 5.472 | 6.305 | 8.919 | |
| | | High | 5240 | 5.618 | 6.233 | 8.947 | |
| | 802.11n HT20 | Low | 5180 | 5.108 | 5.756 | 8.454 | |
| | | Mid | 5200 | 5.560 | 5.924 | 8.756 | |
| | | High | 5240 | 5.495 | 5.923 | 8.725 | |
| | 802.11n HT40 | Low | 5190 | 2.481 | 3.160 | 5.844 | |
| | | High | 5230 | 2.572 | 3.370 | 6.000 | |
| | 802.11ac VHT80 | Mid | 5210 | -3.607 | -3.293 | -0.437 | |

* Calculation of PPSD result : Corr'd PPSD = Ant1 PPSD + Ant2 PPSD + Duty CF [dB] + Corr'd factor [dB]

## 10.2.8. 2Tx MODE IN THE 5.3 GHz BAND

**Bandwidth and Antenna Gain, Limits**

| Band | Mode | Channel | Center Freq. [MHz] | Min 26 dB BW [MHz] | Directional Gain [dBi] | Power Limit [dBm] | PPSD Limit [dBm/MHz] |
|---|---|---|---|---|---|---|---|
| UNII-2A | 802.11a | Low | 5260 | 18.49 | -3.50 | 23.67 | 11.00 |
| | | Mid | 5300 | | | | |
| | | High | 5320 | | | | |
| | 802.11n HT20 | Low | 5260 | 19.63 | | 23.93 | 11.00 |
| | | Mid | 5300 | | | | |
| | | High | 5320 | | | | |
| | 802.11n HT40 | Low | 5270 | 39.06 | | 24.00 | 11.00 |
| | | High | 5310 | | | | |
| | 802.11ac VHT80 | Mid | 5290 | 81.41 | | 24.00 | 11.00 |

| Included in Calculations of Corr'd Power & PPSD | | | |
|---|---|---|---|
| Duty Cycle CF [dB] | 802.11a | 0.00 | dB |
| | 802.11n HT20 | 0.00 | dB |
| | 802.11n HT40 | 0.00 | dB |
| | 802.11ac VHT80 | 0.00 | dB |


UL Korea, Ltd. Suwon Laboratory FORM ID: FCC_15E(04)
218 Maeyeong-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16675, Korea TEL: (031) 337-9902 FAX: (031) 213-5433

## Output Power Results

| Band | Mode | Channel | Center Freq. [MHz] | Meas Power [dBm] | | Total Corr'd Power [dBm] | Power Limit [dBm] |
|---|---|---|---|---|---|---|---|
| | | | | ANT1 | ANT2 | | |
| UNII-2A | 802.11a | Low | 5260 | 16.17 | 16.98 | 19.60 | 23.67 |
| | | Mid | 5300 | 16.05 | 16.79 | 19.45 | |
| | | High | 5320 | 16.27 | 16.73 | 19.52 | |
| | 802.11n HT20 | Low | 5260 | 15.79 | 16.67 | 19.26 | 23.93 |
| | | Mid | 5300 | 16.03 | 16.87 | 19.48 | |
| | | High | 5320 | 16.35 | 16.77 | 19.58 | |
| | 802.11n HT40 | Low | 5270 | 16.31 | 16.93 | 19.64 | 24.00 |
| | | High | 5310 | 16.15 | 16.71 | 19.45 | |
| | 802.11ac VHT80 | Mid | 5290 | 12.80 | 13.64 | 16.25 | 24.00 |

* Calculation of Output Power : Corr'd Power = Ant1 Power + Ant2 Power + Duty CF [dB]

## PPSD Results

| Band | Mode | Channel | Center Freq. [MHz] | Meas PPSD [dBm/MHz] | | Total Corr'd PPSD [dBm/MHz] | PPSD Limit [dBm/MHz] |
|---|---|---|---|---|---|---|---|
| | | | | ANT1 | ANT2 | | |
| UNII-2A | 802.11a | Low | 5260 | 5.870 | 5.762 | 8.827 | 11.00 |
| | | Mid | 5300 | 5.530 | 5.917 | 8.738 | |
| | | High | 5320 | 5.765 | 5.980 | 8.884 | |
| | 802.11n HT20 | Low | 5260 | 4.841 | 5.909 | 8.418 | |
| | | Mid | 5300 | 5.012 | 5.509 | 8.278 | |
| | | High | 5320 | 5.334 | 5.544 | 8.451 | |
| | 802.11n HT40 | Low | 5270 | 2.308 | 2.521 | 5.426 | |
| | | High | 5310 | 2.261 | 3.011 | 5.662 | |
| | 802.11ac VHT80 | Mid | 5290 | -3.981 | -3.194 | -0.559 | |

* Calculation of PPSD result : Corr'd PPSD = Ant1 PPSD + Ant2 PPSD + Duty CF [dB] + Corr'd factor [dB]

## 10.2.9. 2Tx MODE IN THE 5.5 GHz BAND

**Bandwidth and Antenna Gain, Limits**

| Band | Mode | Channel | Center Freq. [MHz] | Min 26 dB BW [MHz] | Directional Gain [dBi] | Power Limit [dBm] | PPSD Limit [dBm/MHz] |
|---|---|---|---|---|---|---|---|
| UNII-2C | 802.11a | Low | 5500 | 18.67 | -3.36 | 23.71 | 11.00 |
| | | Mid | 5580 | | | | |
| | | High | 5700 | | | | |
| | 802.11n HT20 | Low | 5500 | 19.53 | | 23.91 | 11.00 |
| | | Mid | 5580 | | | | |
| | | High | 5700 | | | | |
| | 802.11n HT40 | Low | 5510 | 39.16 | | 24.00 | 11.00 |
| | | Mid | 5590 | | | | |
| | | High | 5670 | | | | |
| | 802.11ac VHT80 | Low | 5530 | 81.05 | | 24.00 | 11.00 |
| | | High | 5610 | | | | |
| **Included in Calculations of Corr'd Power & PPSD** | | | | | | | |
| **Duty Cycle CF [dB]** | | | 802.11a | | | 0.00 | dB |
| | | | 802.11n HT20 | | | 0.00 | dB |
| | | | 802.11n HT40 | | | 0.00 | dB |
| | | | 802.11ac VHT80 | | | 0.00 | dB |

## Output Power Results

| Band | Mode | Channel | Center Freq. [MHz] | Meas Power [dBm] | | Total Corr'd Power [dBm] | Power Limit [dBm] |
|---|---|---|---|---|---|---|---|
| | | | | ANT1 | ANT2 | | |
| UNII-2C | 802.11a | Low | 5500 | 16.01 | 16.90 | 19.49 | 23.71 |
| | | Mid | 5580 | 16.34 | 16.81 | 19.59 | |
| | | High | 5700 | 16.16 | 16.70 | 19.45 | |
| | 802.11n HT20 | Low | 5500 | 15.59 | 16.54 | 19.10 | 23.91 |
| | | Mid | 5580 | 15.99 | 16.49 | 19.26 | |
| | | High | 5700 | 15.87 | 16.45 | 19.18 | |
| | 802.11n HT40 | Low | 5510 | 16.11 | 16.43 | 19.28 | 24.00 |
| | | Mid | 5590 | 16.24 | 16.52 | 19.39 | |
| | | High | 5670 | 16.41 | 16.73 | 19.58 | |
| | 802.11ac VHT80 | Low | 5530 | 12.76 | 13.67 | 16.25 | 24.00 |
| | | High | 5610 | 12.58 | 13.21 | 15.92 | |

* Calculation of Output Power : Corr'd Power = Ant1 Power + Ant2 Power + Duty CF [dB]

## PPSD Results

| Band | Mode | Channel | Center Freq. [MHz] | Meas PPSD [dBm/MHz] | | Total Corr'd PPSD [dBm/MHz] | PPSD Limit [dBm/MHz] |
|---|---|---|---|---|---|---|---|
| | | | | ANT1 | ANT2 | | |
| UNII-2C | 802.11a | Low | 5500 | 5.191 | 6.149 | 8.707 | 11.00 |
| | | Mid | 5580 | 5.828 | 6.470 | 9.171 | |
| | | High | 5700 | 5.705 | 6.429 | 9.092 | |
| | 802.11n HT20 | Low | 5500 | 5.183 | 5.891 | 8.562 | |
| | | Mid | 5580 | 5.657 | 5.778 | 8.728 | |
| | | High | 5700 | 5.786 | 5.767 | 8.787 | |
| | 802.11n HT40 | Low | 5510 | 1.643 | 2.254 | 4.970 | |
| | | Mid | 5590 | 1.792 | 2.036 | 4.926 | |
| | | High | 5670 | 2.364 | 2.445 | 5.415 | |
| | 802.11ac VHT80 | Low | 5530 | -4.108 | -3.265 | -0.656 | |
| | | High | 5610 | -4.449 | -3.705 | -1.051 | |

* Calculation of PPSD result : Corr'd PPSD = Ant1 PPSD + Ant2 PPSD + Duty CF [dB] + Corr'd factor [dB]

## 10.2.10. 2Tx MODE IN THE 5.8 GHz BAND

**Bandwidth and Antenna Gain, Limits**

| Included in Calculations of Corr'd Power & PPSD | | | |
|---|---|---|---|
| Duty Cycle CF [dB] | 802.11a | 0.00 | dB |
| | 802.11n HT20 | 0.00 | dB |
| | 802.11n HT40 | 0.00 | dB |
| | 802.11ac VHT80 | 0.00 | dB |

**Output Power Results**

| Band | Mode | Channel | Center Freq. [MHz] | Meas Power [dBm] | | Total Corr'd Power [dBm] | Power Limit [dBm] |
|---|---|---|---|---|---|---|---|
| | | | | ANT1 | ANT2 | | |
| UNII-3 | 802.11a | Low | 5745 | 16.20 | 16.69 | 19.46 | 30.00 |
| | | Mid | 5785 | 16.41 | 16.86 | 19.65 | |
| | | High | 5825 | 16.49 | 16.95 | 19.74 | |
| | 802.11n HT20 | Low | 5745 | 16.27 | 16.82 | 19.56 | |
| | | Mid | 5785 | 16.13 | 16.57 | 19.37 | |
| | | High | 5825 | 16.19 | 16.66 | 19.44 | |
| | 802.11n HT40 | Low | 5755 | 16.41 | 16.75 | 19.59 | |
| | | High | 5795 | 16.61 | 16.98 | 19.81 | |
| | 802.11ac VHT80 | Mid | 5775 | 13.37 | 13.98 | 16.70 | |

* Calculation of Output Power : Corr'd Power = Ant1 Power + Ant2 Power + Duty CF [dB]

**PPSD Results**

| Band | Mode | Channel | Center Freq. [MHz] | Meas PPSD [dBm/500kHz] | | Total Corr'd PPSD [dBm/500kHz] | PPSD Limit [dBm/500kHz] |
|---|---|---|---|---|---|---|---|
| | | | | ANT1 | ANT2 | | |
| UNII-3 | 802.11a | Low | 5745 | 2.393 | 3.171 | 5.810 | 30.00 |
| | | Mid | 5785 | 2.949 | 3.290 | 6.133 | |
| | | High | 5825 | 2.697 | 3.064 | 5.895 | |
| | 802.11n HT20 | Low | 5745 | 2.406 | 2.375 | 5.401 | |
| | | Mid | 5785 | 2.704 | 2.837 | 5.781 | |
| | | High | 5825 | 2.972 | 2.738 | 5.867 | |
| | 802.11n HT40 | Low | 5755 | -0.201 | 0.322 | 3.079 | |
| | | High | 5795 | -0.138 | -0.017 | 2.933 | |
| | 802.11ac VHT80 | Mid | 5775 | -6.530 | -5.774 | -3.125 | |

* Calculation of PPSD result : Corr'd PPSD = Ant1 PPSD + Ant2 PPSD + Duty CF [dB] + Corr'd factor [dB]

## 10.2.11. 2Tx Mode Straddle channel IN THE 5.5 GHz BAND

**Bandwidth and Antenna Gain, Limits**

| Band | Mode | Channel | Center Freq. [MHz] | Min 26 dB BW [MHz] | Directional Gain [dBi] | Power Limit [dBm] | PPSD Limit [dBm/MHz] |
|---|---|---|---|---|---|---|---|
| UNII-2C | 802.11a | Straddle | 5720 | 15.180 | -3.36 | 22.81 | 11.00 |
| | 802.11n HT20 | Straddle | 5720 | 14.974 | | 22.75 | 11.00 |
| | 802.11n HT40 | Straddle | 5710 | 34.476 | | 24.00 | 11.00 |
| | 802.11ac VHT80 | Straddle | 5690 | 75.714 | | 24.00 | 11.00 |
| Included in Calculations of Corr'd Power & PPSD | | | | | | | |
| Duty Cycle CF [dB] | | | 802.11a | | | 0.00 | dB |
| | | | 802.11n HT20 | | | 0.00 | dB |
| | | | 802.11n HT40 | | | 0.00 | dB |
| | | | 802.11ac VHT80 | | | 0.00 | dB |

**Output Power Results**

| Band | Mode | Channel | Center Freq. [MHz] | Meas Power [dBm] | | Total Corr'd Power [dBm] | Power Limit [dBm] |
|---|---|---|---|---|---|---|---|
| | | | | ANT1 | ANT2 | | |
| UNII-2C | 802.11a | Straddle | 5720 | 15.137 | 15.526 | 18.346 | 22.81 |
| | 802.11n HT20 | Straddle | 5720 | 15.159 | 15.189 | 18.184 | 22.75 |
| | 802.11n HT40 | Straddle | 5710 | 16.114 | 16.187 | 19.161 | 24.00 |
| | 802.11ac VHT80 | Straddle | 5690 | 12.889 | 13.431 | 16.179 | 24.00 |

* Calculation of Output Power : Corr'd Power = Meas Power + Duty CF [dB]

**PPSD Results**

| Band | Mode | Channel | Center Freq. [MHz] | Meas PPSD [dBm/MHz] | | Total Corr'd PPSD [dBm/MHz] | PPSD Limit [dBm/MHz] |
|---|---|---|---|---|---|---|---|
| | | | | ANT1 | ANT2 | | |
| UNII-2C | 802.11a | Straddle | 5720 | 5.503 | 6.232 | 8.893 | 11.00 |
| | 802.11n HT20 | Straddle | 5720 | 5.311 | 6.145 | 8.758 | |
| | 802.11n HT40 | Straddle | 5710 | 1.875 | 2.536 | 5.228 | |
| | 802.11ac VHT80 | Straddle | 5690 | -4.190 | -3.090 | -0.595 | |

* Calculation of PPSD result : Corr'd PPSD = Meas PPSD + Duty CF + Corr'd factor [dB]

## 10.2.12. 2Tx Mode Straddle channel IN THE 5.8 GHz BAND

**Bandwidth and Antenna Gain, Limits**

| Band | Mode | Channel | Center Freq. [MHz] | Min 26 dB BW [MHz] | Directional Gain [dBi] | Power Limit [dBm] | PPSD Limit [dBm/500kHz] |
|---|---|---|---|---|---|---|---|
| UNII-3 | 802.11a | Straddle | 5720 | 4.294 | -4.10 | 30.00 | 30.00 |
| | 802.11n HT20 | Straddle | 5720 | 4.826 | | | |
| | 802.11n HT40 | Straddle | 5710 | 4.564 | | | |
| | 802.11ac VHT80 | Straddle | 5690 | 5.374 | | | |
| Included in Calculations of Corr'd Power & PPSD | | | | | | | |
| Duty Cycle CF [dB] | | | 802.11a | | | 0.00 | dB |
| | | | 802.11n HT20 | | | 0.00 | dB |
| | | | 802.11n HT40 | | | 0.00 | dB |
| | | | 802.11ac VHT80 | | | 0.00 | dB |

**Output Power Results**

| Band | Mode | Channel | Center Freq. [MHz] | Meas Power [dBm] | | Total Corr'd Power [dBm] | Power Limit [dBm] |
|---|---|---|---|---|---|---|---|
| | | | | ANT1 | ANT2 | | |
| UNII-3 | 802.11a | Straddle | 5720 | 8.501 | 8.901 | 11.716 | 30.00 |
| | 802.11n HT20 | Straddle | 5720 | 8.900 | 8.984 | 11.953 | |
| | 802.11n HT40 | Straddle | 5710 | 4.722 | 4.850 | 7.797 | |
| | 802.11ac VHT80 | Straddle | 5690 | -2.394 | -1.792 | 0.928 | |

* Calculation of Output Power : Corr'd Power = Meas Power + Duty CF [dB]

**PPSD Results**

| Band | Mode | Channel | Center Freq. [MHz] | Meas PPSD [dBm/500kHz] | | Total Corr'd PPSD [dBm/500kHz] | PPSD Limit [dBm/500kHz] |
|---|---|---|---|---|---|---|---|
| | | | | ANT1 | ANT2 | | |
| UNII-3 | 802.11a | Straddle | 5720 | 1.989 | 2.558 | 5.293 | 30.00 |
| | 802.11n HT20 | Straddle | 5720 | 1.778 | 1.973 | 4.887 | |
| | 802.11n HT40 | Straddle | 5710 | -2.211 | -2.158 | 0.826 | |
| | 802.11ac VHT80 | Straddle | 5690 | -9.264 | -8.405 | -5.803 | |

* Calculation of PPSD result : Corr'd PPSD = Meas PPSD + Duty CF + Corr'd factor [dB]

## 10.2.13. 802.11ax 1Tx (SISO) MODE 5.2 GHz BAND

**Bandwidth and Antenna Gain, Limits**

| Mode | Channel | Frequency [MHz] | Min 26 dB BW [MHz] | Directional Gain [dBi] | Power Limit [dBm] | PPSD Limit [dBm/MHz] |
|---|---|---|---|---|---|---|
| HE20 | Low | 5180 | 15.01 | -3.50 | 22.76 | 11.00 |
| | Mid | 5200 | | | | |
| | High | 5240 | | | | |
| HE40 | Low | 5190 | 19.57 | | 23.92 | |
| | High | 5230 | | | | |
| HE80 | Mid | 5210 | 53.75 | | 24.00 | |

| Included in Calculations of Corr'd [Power & PPSD] | | | | |
|---|---|---|---|---|
| Duty Cycle CF [dB] | HE20 | 26T | 0.00 | dB |
| | | 52T | 0.00 | dB |
| | | 106T | 0.00 | dB |
| | | SU | 0.00 | dB |
| | HE40 | 26T | 0.00 | dB |
| | | 52T | 0.00 | dB |
| | | 106T | 0.00 | dB |
| | | 242T | 0.00 | dB |
| | | SU | 0.00 | dB |
| | HE80 | 26T | 0.00 | dB |
| | | 52T | 0.00 | dB |
| | | 106T | 0.00 | dB |
| | | 242T | 0.00 | dB |
| | | 484T | 0.00 | dB |
| | | SU | 0.00 | dB |

## Output Power Results

| Mode | Channel | Frequency [MHz] | Tones | RU offset | Meas Power [dBm] | | Corr'd Power [dBm] | | Power Limit [dBm] |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | ANT1 | ANT2 | ANT1 | ANT2 | |
| HE20 | 36 | 5180 | 26T | 0 | 9.74 | 9.35 | 9.74 | 9.35 | 22.76 |
| | | | | 4 | 9.83 | 9.41 | 9.83 | 9.41 | |
| | | | | 8 | 9.70 | 9.31 | 9.70 | 9.31 | |
| | | | 52T | 37 | 11.20 | 11.33 | 11.20 | 11.33 | |
| | | | | 38 | 11.32 | 11.46 | 11.32 | 11.46 | |
| | | | | 40 | 11.16 | 11.33 | 11.16 | 11.33 | |
| | | | 106T | 53 | 12.54 | 12.15 | 12.54 | 12.15 | |
| | | | | 54 | 12.54 | 12.14 | 12.54 | 12.14 | |
| | | | SU | - | 14.93 | 15.07 | 14.93 | 15.07 | |
| | 40 | 5200 | 26T | 0 | 9.23 | 9.41 | 9.23 | 9.41 | |
| | | | | 4 | 9.30 | 9.47 | 9.30 | 9.47 | |
| | | | | 8 | 9.17 | 9.33 | 9.17 | 9.33 | |
| | | | 52T | 37 | 11.26 | 11.42 | 11.26 | 11.42 | |
| | | | | 38 | 11.37 | 11.53 | 11.37 | 11.53 | |
| | | | | 40 | 11.23 | 11.39 | 11.23 | 11.39 | |
| | | | 106T | 53 | 12.04 | 12.22 | 12.04 | 12.22 | |
| | | | | 54 | 12.02 | 12.22 | 12.02 | 12.22 | |
| | | | SU | - | 15.48 | 14.99 | 15.48 | 14.99 | |
| | 48 | 5240 | 26T | 0 | 9.29 | 9.17 | 9.29 | 9.17 | |
| | | | | 4 | 9.34 | 9.25 | 9.34 | 9.25 | |
| | | | | 8 | 9.21 | 9.08 | 9.21 | 9.08 | |
| | | | 52T | 37 | 11.32 | 11.19 | 11.32 | 11.19 | |
| | | | | 38 | 11.40 | 11.27 | 11.40 | 11.27 | |
| | | | | 40 | 11.25 | 11.11 | 11.25 | 11.11 | |
| | | | 106T | 53 | 12.07 | 12.01 | 12.07 | 12.01 | |
| | | | | 54 | 12.04 | 11.98 | 12.04 | 11.98 | |
| | | | SU | - | 15.01 | 14.87 | 15.01 | 14.87 | |

* Calculation of Output Power : Corr'd Power = Meas Power + Duty CF [dB]

| Mode | Channel | Frequency [MHz] | Tones | RU offset | Meas Power [dBm] | | Corr'd Power [dBm] | | Power Limit [dBm] |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | ANT1 | ANT2 | ANT1 | ANT2 | |
| HE40 | 38 | 5190 | 26T | 0 | 9.02 | 9.14 | 9.02 | 9.14 | 23.92 |
| | | | | 9 | 9.52 | 9.67 | 9.52 | 9.67 | |
| | | | | 17 | 8.95 | 9.15 | 8.95 | 9.15 | |
| | | | 52T | 37 | 10.99 | 10.99 | 10.99 | 10.99 | |
| | | | | 41 | 11.41 | 11.45 | 11.41 | 11.45 | |
| | | | | 44 | 10.91 | 10.94 | 10.91 | 10.94 | |
| | | | 106T | 53 | 12.27 | 11.92 | 12.27 | 11.92 | |
| | | | | 54 | 12.58 | 12.22 | 12.58 | 12.22 | |
| | | | | 56 | 12.25 | 11.91 | 12.25 | 11.91 | |
| | | | 242T | 61 | 12.93 | 13.07 | 12.93 | 13.07 | |
| | | | | 62 | 12.91 | 13.05 | 12.91 | 13.05 | |
| | | | SU | - | 14.44 | 13.95 | 14.44 | 13.95 | |
| | 46 | 5230 | 26T | 0 | 9.25 | 9.01 | 9.25 | 9.01 | |
| | | | | 9 | 9.73 | 9.51 | 9.73 | 9.51 | |
| | | | | 17 | 9.13 | 8.92 | 9.13 | 8.92 | |
| | | | 52T | 37 | 11.18 | 10.84 | 11.18 | 10.84 | |
| | | | | 41 | 11.57 | 11.20 | 11.57 | 11.20 | |
| | | | | 44 | 11.04 | 10.70 | 11.04 | 10.70 | |
| | | | 106T | 53 | 12.05 | 12.21 | 12.05 | 12.21 | |
| | | | | 54 | 12.32 | 12.49 | 12.32 | 12.49 | |
| | | | | 56 | 11.99 | 12.16 | 11.99 | 12.16 | |
| | | | 242T | 61 | 13.22 | 13.41 | 13.22 | 13.41 | |
| | | | | 62 | 13.14 | 13.36 | 13.14 | 13.36 | |
| | | | SU | - | 14.22 | 14.33 | 14.22 | 14.33 | |
| HE80 | 42 | 5210 | 26T | 0 | 9.24 | 9.06 | 9.24 | 9.06 | 24.00 |
| | | | | 18 | 9.58 | 9.39 | 9.58 | 9.39 | |
| | | | | 36 | 9.09 | 8.90 | 9.09 | 8.90 | |
| | | | 52T | 37 | 10.20 | 9.93 | 10.20 | 9.93 | |
| | | | | 45 | 10.47 | 10.20 | 10.47 | 10.20 | |
| | | | | 52 | 9.96 | 9.70 | 9.96 | 9.70 | |
| | | | 106T | 53 | 10.97 | 10.73 | 10.97 | 10.73 | |
| | | | | 57 | 11.23 | 10.98 | 11.23 | 10.98 | |
| | | | | 60 | 10.84 | 10.60 | 10.84 | 10.60 | |
| | | | 242T | 61 | 12.04 | 11.76 | 12.04 | 11.76 | |
| | | | | 62 | 12.20 | 11.92 | 12.20 | 11.92 | |
| | | | | 64 | 11.93 | 11.66 | 11.93 | 11.66 | |
| | | | 484T | 65 | 12.15 | 11.87 | 12.15 | 11.87 | |
| | | | | 66 | 12.05 | 11.80 | 12.05 | 11.80 | |
| | | | SU | - | 13.32 | 13.01 | 13.32 | 13.01 | |

* Calculation of Output Power : Corr'd Power = Meas Power + Duty CF [dB]

**PPSD Results**

| Actual RBW | Ref. Bandwidth | Corr'd factor |
|---|---|---|
| 100 kHz | 1000 kHz | 10.00 dB |

| Mode | Channel | Frequency [MHz] | Tones | RU offset | Meas PPSD [dBm/100kHz] | | Corr'd PPSD [dBm/MHz] | | PPSD Limit [dBm/MHz] |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | ANT1 | ANT2 | ANT1 | ANT2 | |
| HE20 | 36 | 5180 | 26T | 0 | -2.505 | -3.701 | 7.495 | 6.299 | 11.00 |
| | | | | 4 | -2.799 | -3.371 | 7.201 | 6.629 | |
| | | | | 8 | -2.886 | -3.811 | 7.114 | 6.189 | |
| | | | SU | - | -6.468 | -6.806 | 3.532 | 3.194 | |
| | 40 | 5200 | 26T | 0 | -3.152 | -3.704 | 6.848 | 6.296 | |
| | | | | 4 | -3.031 | -3.541 | 6.969 | 6.459 | |
| | | | | 8 | -3.089 | -3.488 | 6.911 | 6.512 | |
| | | | SU | - | -5.815 | -6.969 | 4.185 | 3.031 | |
| | 48 | 5240 | 26T | 0 | -2.990 | -3.757 | 7.010 | 6.243 | |
| | | | | 4 | -3.294 | -3.821 | 6.706 | 6.179 | |
| | | | | 8 | -3.003 | -4.161 | 6.997 | 5.839 | |
| | | | SU | - | -6.232 | -7.033 | 3.768 | 2.967 | |
| HE40 | 38 | 5190 | 26T | 0 | -3.650 | -3.924 | 6.350 | 6.076 | |
| | | | | 9 | -2.584 | -3.340 | 7.416 | 6.660 | |
| | | | | 17 | -3.526 | -3.879 | 6.474 | 6.121 | |
| | | | SU | - | -9.703 | -10.841 | 0.297 | -0.841 | |
| | 46 | 5230 | 26T | 0 | -3.046 | -4.217 | 6.954 | 5.783 | |
| | | | | 9 | -2.880 | -3.571 | 7.120 | 6.429 | |
| | | | | 17 | -3.603 | -4.292 | 6.397 | 5.708 | |
| | | | SU | - | -10.263 | -10.401 | -0.263 | -0.401 | |
| HE80 | 42 | 5210 | 26T | 0 | -3.504 | -4.113 | 6.496 | 5.887 | |
| | | | | 18 | -3.001 | -4.096 | 6.999 | 5.904 | |
| | | | | 36 | -3.298 | -4.361 | 6.702 | 5.639 | |
| | | | SU | - | -14.078 | -14.905 | -4.078 | -4.905 | |

* Calculation of PPSD result : Corr'd PPSD = Meas PPSD + Duty CF + Corr'd factor [dB]

## 10.2.14. 802.11ax 1Tx (SISO) MODE 5.3 GHz BAND

**Bandwidth and Antenna Gain, Limits**

| Mode | Channel | Frequency [MHz] | Min 26 dB BW [MHz] | Directional Gain [dBi] | Power Limit [dBm] | PPSD Limit [dBm/MHz] |
|---|---|---|---|---|---|---|
| HE20 | Low | 5260 | 15.93 | -3.50 | 23.02 | 11.00 |
| | Mid | 5300 | | | | |
| | High | 5320 | | | | |
| HE40 | Low | 5270 | 23.61 | | 24.00 | |
| | High | 5310 | | | | |
| HE80 | Mid | 5290 | 55.97 | | 24.00 | |

| Included in Calculations of Corr'd [Power & PPSD] | | | | |
|---|---|---|---|---|
| Duty Cycle CF [dB] | HE20 | 26T | 0.00 | dB |
| | | 52T | 0.00 | dB |
| | | 106T | 0.00 | dB |
| | | SU | 0.00 | dB |
| | HE40 | 26T | 0.00 | dB |
| | | 52T | 0.00 | dB |
| | | 106T | 0.00 | dB |
| | | 242T | 0.00 | dB |
| | | SU | 0.00 | dB |
| | HE80 | 26T | 0.00 | dB |
| | | 52T | 0.00 | dB |
| | | 106T | 0.00 | dB |
| | | 242T | 0.00 | dB |
| | | 484T | 0.00 | dB |
| | | SU | 0.00 | dB |

**Output Power Results**

| Mode | Channel | Frequency [MHz] | Tones | RU offset | Meas Power [dBm] | | Corr'd Power [dBm] | | Power Limit [dBm] |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | ANT1 | ANT2 | ANT1 | ANT2 | |
| HE20 | 52 | 5260 | 26T | 0 | 9.24 | 9.30 | 9.24 | 9.30 | 23.02 |
| | | | | 4 | 9.31 | 9.34 | 9.31 | 9.34 | |
| | | | | 8 | 9.17 | 9.21 | 9.17 | 9.21 | |
| | | | 52T | 37 | 11.26 | 11.31 | 11.26 | 11.31 | |
| | | | | 38 | 11.36 | 11.40 | 11.36 | 11.40 | |
| | | | | 40 | 11.20 | 11.25 | 11.20 | 11.25 | |
| | | | 106T | 53 | 12.02 | 12.11 | 12.02 | 12.11 | |
| | | | | 54 | 11.99 | 12.08 | 11.99 | 12.08 | |
| | | | SU | - | 14.97 | 14.85 | 14.97 | 14.85 | |
| | 60 | 5300 | 26T | 0 | 9.25 | 9.68 | 9.25 | 9.68 | |
| | | | | 4 | 9.34 | 9.73 | 9.34 | 9.73 | |
| | | | | 8 | 9.18 | 9.59 | 9.18 | 9.59 | |
| | | | 52T | 37 | 11.28 | 11.18 | 11.28 | 11.18 | |
| | | | | 38 | 11.38 | 11.28 | 11.38 | 11.28 | |
| | | | | 40 | 11.23 | 11.10 | 11.23 | 11.10 | |
| | | | 106T | 53 | 12.01 | 11.99 | 12.01 | 11.99 | |
| | | | | 54 | 11.99 | 11.97 | 11.99 | 11.97 | |
| | | | SU | - | 14.92 | 15.23 | 14.92 | 15.23 | |
| | 64 | 5320 | 26T | 0 | 9.63 | 9.41 | 9.63 | 9.41 | |
| | | | | 4 | 9.70 | 9.43 | 9.70 | 9.43 | |
| | | | | 8 | 9.54 | 9.29 | 9.54 | 9.29 | |
| | | | 52T | 37 | 11.02 | 11.41 | 11.02 | 11.41 | |
| | | | | 38 | 11.12 | 11.52 | 11.12 | 11.52 | |
| | | | | 40 | 11.00 | 11.34 | 11.00 | 11.34 | |
| | | | 106T | 53 | 12.36 | 12.20 | 12.36 | 12.20 | |
| | | | | 54 | 12.33 | 12.18 | 12.33 | 12.18 | |
| | | | SU | - | 15.16 | 14.93 | 15.16 | 14.93 | |

* Calculation of Output Power : Corr'd Power = Meas Power + Duty CF [dB]

| Mode | Channel | Frequency [MHz] | Tones | RU offset | Meas Power [dBm] | | Corr'd Power [dBm] | | Power Limit [dBm] |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | ANT1 | ANT2 | ANT1 | ANT2 | |
| HE40 | 54 | 5270 | 26T | 0 | 9.00 | 9.03 | 9.00 | 9.03 | 24.00 |
| | | | | 9 | 9.48 | 9.48 | 9.48 | 9.48 | |
| | | | | 17 | 8.88 | 8.96 | 8.88 | 8.96 | |
| | | | 52T | 37 | 10.93 | 10.85 | 10.93 | 10.85 | |
| | | | | 41 | 11.32 | 11.21 | 11.32 | 11.21 | |
| | | | | 44 | 10.78 | 10.70 | 10.78 | 10.70 | |
| | | | 106T | 53 | 12.27 | 12.31 | 12.27 | 12.31 | |
| | | | | 54 | 12.51 | 12.55 | 12.51 | 12.55 | |
| | | | | 56 | 12.15 | 12.23 | 12.15 | 12.23 | |
| | | | 242T | 61 | 12.93 | 12.90 | 12.93 | 12.90 | |
| | | | | 62 | 12.90 | 12.87 | 12.90 | 12.87 | |
| | | | SU | - | 13.97 | 14.32 | 13.97 | 14.32 | |
| | 62 | 5310 | 26T | 0 | 8.40 | 9.29 | 8.40 | 9.29 | |
| | | | | 9 | 8.95 | 9.76 | 8.95 | 9.76 | |
| | | | | 17 | 8.35 | 9.18 | 8.35 | 9.18 | |
| | | | 52T | 37 | 10.99 | 11.10 | 10.99 | 11.10 | |
| | | | | 41 | 11.37 | 11.44 | 11.37 | 11.44 | |
| | | | | 44 | 10.89 | 10.92 | 10.89 | 10.92 | |
| | | | 106T | 53 | 11.87 | 12.00 | 11.87 | 12.00 | |
| | | | | 54 | 12.13 | 12.25 | 12.13 | 12.25 | |
| | | | | 56 | 11.80 | 11.91 | 11.80 | 11.91 | |
| | | | 242T | 61 | 12.80 | 13.13 | 12.80 | 13.13 | |
| | | | | 62 | 12.76 | 13.07 | 12.76 | 13.07 | |
| | | | SU | - | 13.99 | 14.05 | 13.99 | 14.05 | |
| HE80 | 58 | 5290 | 26T | 0 | 8.33 | 8.95 | 8.33 | 8.95 | 24.00 |
| | | | | 18 | 8.61 | 9.23 | 8.61 | 9.23 | |
| | | | | 36 | 8.08 | 8.74 | 8.08 | 8.74 | |
| | | | 52T | 37 | 9.79 | 10.28 | 9.79 | 10.28 | |
| | | | | 45 | 9.99 | 10.41 | 9.99 | 10.41 | |
| | | | | 52 | 9.47 | 9.87 | 9.47 | 9.87 | |
| | | | 106T | 53 | 11.12 | 11.03 | 11.12 | 11.03 | |
| | | | | 57 | 11.29 | 11.22 | 11.29 | 11.22 | |
| | | | | 60 | 10.87 | 10.84 | 10.87 | 10.84 | |
| | | | 242T | 61 | 11.70 | 12.22 | 11.70 | 12.22 | |
| | | | | 62 | 11.81 | 12.31 | 11.81 | 12.31 | |
| | | | | 64 | 11.51 | 12.05 | 11.51 | 12.05 | |
| | | | 484T | 65 | 12.21 | 12.29 | 12.21 | 12.29 | |
| | | | | 66 | 12.05 | 12.18 | 12.05 | 12.18 | |
| | | | SU | - | 13.40 | 13.31 | 13.40 | 13.31 | |

* Calculation of Output Power : Corr'd Power = Meas Power + Duty CF [dB]

**PPSD Results**

| Actual RBW | Ref. Bandwidth | Corr'd factor |
|---|---|---|
| 100 kHz | 1000 kHz | 10.00 dB |

| Mode | Channel | Frequency [MHz] | Tones | RU offset | Meas PPSD [dBm/100kHz] | | Corr'd PPSD [dBm/MHz] | | PPSD Limit [dBm/MHz] |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | ANT1 | ANT2 | ANT1 | ANT2 | |
| HE20 | 52 | 5260 | 26T | 0 | -3.158 | -3.473 | 6.842 | 6.527 | 11.00 |
| | | | | 4 | -3.183 | -3.667 | 6.817 | 6.333 | |
| | | | | 8 | -3.366 | -3.991 | 6.634 | 6.009 | |
| | | | SU | - | -6.349 | -7.266 | 3.651 | 2.734 | |
| | 60 | 5300 | 26T | 0 | -3.173 | -3.327 | 6.827 | 6.673 | |
| | | | | 4 | -3.232 | -3.130 | 6.768 | 6.870 | |
| | | | | 8 | -3.161 | -3.221 | 6.839 | 6.779 | |
| | | | SU | - | -6.582 | -6.750 | 3.418 | 3.250 | |
| | 64 | 5320 | 26T | 0 | -2.937 | -3.556 | 7.063 | 6.444 | |
| | | | | 4 | -2.714 | -3.623 | 7.286 | 6.377 | |
| | | | | 8 | -3.048 | -3.838 | 6.952 | 6.162 | |
| | | | SU | - | -6.273 | -6.745 | 3.727 | 3.255 | |
| HE40 | 54 | 5270 | 26T | 0 | -3.023 | -4.083 | 6.977 | 5.917 | |
| | | | | 9 | -3.394 | -3.593 | 6.606 | 6.407 | |
| | | | | 17 | -3.780 | -4.420 | 6.220 | 5.580 | |
| | | | SU | - | -10.163 | -10.706 | -0.163 | -0.706 | |
| | 62 | 5310 | 26T | 0 | -3.842 | -3.817 | 6.158 | 6.183 | |
| | | | | 9 | -3.381 | -3.234 | 6.619 | 6.766 | |
| | | | | 17 | -4.482 | -4.129 | 5.518 | 5.871 | |
| | | | SU | - | -10.687 | -10.893 | -0.687 | -0.893 | |
| HE80 | 58 | 5290 | 26T | 0 | -4.254 | -4.161 | 5.746 | 5.839 | |
| | | | | 18 | -4.094 | -4.101 | 5.906 | 5.899 | |
| | | | | 36 | -4.920 | -4.630 | 5.080 | 5.370 | |
| | | | SU | - | -14.229 | -14.453 | -4.229 | -4.453 | |

* Calculation of PPSD result : Corr'd PPSD = Meas PPSD + Duty CF + Corr'd factor [dB]

## 10.2.15. 802.11ax 1Tx (SISO) MODE 5.5 GHz BAND

**Bandwidth and Antenna Gain, Limits**

| Mode | Channel | Frequency [MHz] | Min 26 dB BW [MHz] | Directional Gain [dBi] | Power Limit [dBm] | PPSD Limit [dBm/MHz] |
|---|---|---|---|---|---|---|
| HE20 | Low | 5500 | 15.29 | -3.36 | 22.84 | 11.00 |
| | Mid | 5580 | | | | |
| | High | 5700 | | | | |
| HE40 | Low | 5510 | 28.83 | | 24.00 | |
| | Mid | 5590 | | | | |
| | High | 5670 | | | | |
| HE80 | Low | 5530 | 70.76 | | 24.00 | |
| | High | 5610 | | | | |

| Included in Calculations of Corr'd [Power & PPSD] | | | | |
|---|---|---|---|---|
| Duty Cycle CF [dB] | HE20 | 26T | 0.00 | dB |
| | | 52T | 0.00 | dB |
| | | 106T | 0.00 | dB |
| | | SU | 0.00 | dB |
| | HE40 | 26T | 0.00 | dB |
| | | 52T | 0.00 | dB |
| | | 106T | 0.00 | dB |
| | | 242T | 0.00 | dB |
| | | SU | 0.00 | dB |
| | HE80 | 26T | 0.00 | dB |
| | | 52T | 0.00 | dB |
| | | 106T | 0.00 | dB |
| | | 242T | 0.00 | dB |
| | | 484T | 0.00 | dB |
| | | SU | 0.00 | dB |

Note. 26Tone: Not supported

**Output Power Results**

| Mode | Channel | Frequency [MHz] | Tones | RU offset | Meas Power [dBm] | | Corr'd Power [dBm] | | Power Limit [dBm] |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | ANT1 | ANT2 | ANT1 | ANT2 | |
| HE20 | 100 | 5500 | 26T | 0 | 9.41 | 9.36 | 9.41 | 9.36 | 22.84 |
| | | | | 4 | 9.42 | 9.40 | 9.42 | 9.40 | |
| | | | | 8 | 9.23 | 9.25 | 9.23 | 9.25 | |
| | | | 52T | 37 | 11.31 | 11.60 | 11.31 | 11.60 | |
| | | | | 38 | 11.40 | 11.70 | 11.40 | 11.70 | |
| | | | | 40 | 11.17 | 11.52 | 11.17 | 11.52 | |
| | | | 106T | 53 | 12.02 | 12.37 | 12.02 | 12.37 | |
| | | | | 54 | 11.88 | 12.31 | 11.88 | 12.31 | |
| | | | SU | - | 15.48 | 15.73 | 15.48 | 15.73 | |
| | 116 | 5580 | 26T | 0 | 9.15 | 9.22 | 9.15 | 9.22 | |
| | | | | 4 | 9.16 | 9.29 | 9.16 | 9.29 | |
| | | | | 8 | 8.98 | 9.16 | 8.98 | 9.16 | |
| | | | 52T | 37 | 11.10 | 11.05 | 11.10 | 11.05 | |
| | | | | 38 | 11.18 | 11.16 | 11.18 | 11.16 | |
| | | | | 40 | 10.97 | 11.02 | 10.97 | 11.02 | |
| | | | 106T | 53 | 11.80 | 11.84 | 11.80 | 11.84 | |
| | | | | 54 | 11.75 | 11.81 | 11.75 | 11.81 | |
| | | | SU | - | 15.15 | 15.21 | 15.15 | 15.21 | |
| | 140 | 5700 | 26T | 0 | 9.42 | 9.19 | 9.42 | 9.19 | |
| | | | | 4 | 9.46 | 9.27 | 9.46 | 9.27 | |
| | | | | 8 | 9.29 | 9.15 | 9.29 | 9.15 | |
| | | | 52T | 37 | 11.56 | 11.48 | 11.56 | 11.48 | |
| | | | | 38 | 11.68 | 11.60 | 11.68 | 11.60 | |
| | | | | 40 | 11.51 | 11.50 | 11.51 | 11.50 | |
| | | | 106T | 53 | 12.27 | 12.20 | 12.27 | 12.20 | |
| | | | | 54 | 12.22 | 12.19 | 12.22 | 12.19 | |
| | | | SU | - | 15.56 | 15.64 | 15.56 | 15.64 | |

* Calculation of Output Power : Corr'd Power = Meas Power + Duty CF [dB]

| Mode | Channel | Frequency [MHz] | Tones | RU offset | Meas Power [dBm] | | Corr'd Power [dBm] | | Power Limit [dBm] |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | ANT1 | ANT2 | ANT1 | ANT2 | |
| HE40 | 102 | 5510 | 26T | 0 | 9.15 | 9.28 | 9.15 | 9.28 | 24.00 |
| | | | | 9 | 9.49 | 9.67 | 9.49 | 9.67 | |
| | | | | 17 | 8.73 | 9.09 | 8.73 | 9.09 | |
| | | | 52T | 37 | 11.14 | 10.72 | 11.14 | 10.72 | |
| | | | | 41 | 11.38 | 11.06 | 11.38 | 11.06 | |
| | | | | 44 | 10.77 | 10.62 | 10.77 | 10.62 | |
| | | | 106T | 53 | 12.43 | 12.02 | 12.43 | 12.02 | |
| | | | | 54 | 12.60 | 12.25 | 12.60 | 12.25 | |
| | | | | 56 | 12.08 | 11.88 | 12.08 | 11.88 | |
| | | | 242T | 61 | 13.05 | 13.15 | 13.05 | 13.15 | |
| | | | | 62 | 12.85 | 13.04 | 12.85 | 13.04 | |
| | | | SU | - | 14.48 | 14.08 | 14.48 | 14.08 | |
| | 118 | 5590 | 26T | 0 | 9.01 | 9.34 | 9.01 | 9.34 | |
| | | | | 9 | 9.36 | 9.80 | 9.36 | 9.80 | |
| | | | | 17 | 8.65 | 9.20 | 8.65 | 9.20 | |
| | | | 52T | 37 | 11.07 | 10.81 | 11.07 | 10.81 | |
| | | | | 41 | 11.36 | 11.21 | 11.36 | 11.21 | |
| | | | | 44 | 10.78 | 10.79 | 10.78 | 10.79 | |
| | | | 106T | 53 | 11.92 | 12.10 | 11.92 | 12.10 | |
| | | | | 54 | 12.09 | 12.33 | 12.09 | 12.33 | |
| | | | | 56 | 11.65 | 12.00 | 11.65 | 12.00 | |
| | | | 242T | 61 | 12.85 | 13.21 | 12.85 | 13.21 | |
| | | | | 62 | 12.65 | 13.15 | 12.65 | 13.15 | |
| | | | SU | - | 14.45 | 14.16 | 14.45 | 14.16 | |
| | 134 | 5670 | 26T | 0 | 8.63 | 9.25 | 8.63 | 9.25 | |
| | | | | 9 | 9.04 | 9.74 | 9.04 | 9.74 | |
| | | | | 17 | 8.40 | 9.19 | 8.40 | 9.19 | |
| | | | 52T | 37 | 11.20 | 11.31 | 11.20 | 11.31 | |
| | | | | 41 | 11.55 | 11.76 | 11.55 | 11.76 | |
| | | | | 44 | 11.03 | 11.33 | 11.03 | 11.33 | |
| | | | 106T | 53 | 12.06 | 12.19 | 12.06 | 12.19 | |
| | | | | 54 | 12.27 | 12.44 | 12.27 | 12.44 | |
| | | | | 56 | 11.86 | 12.13 | 11.86 | 12.13 | |
| | | | 242T | 61 | 13.17 | 13.16 | 13.17 | 13.16 | |
| | | | | 62 | 13.04 | 13.13 | 13.04 | 13.13 | |
| | | | SU | - | 14.19 | 14.30 | 14.19 | 14.30 | |

* Calculation of Output Power : Corr'd Power = Meas Power + Duty CF [dB]

| Mode | Channel | Frequency [MHz] | Tones | RU offset | Meas Power [dBm] | | Corr'd Power [dBm] | | Power Limit [dBm] |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | ANT1 | ANT2 | ANT1 | ANT2 | |
| HE80 | 106 | 5530 | 26T | 0 | 9.22 | 8.93 | 9.22 | 8.93 | 24.00 |
| | | | | 18 | 9.17 | 9.10 | 9.17 | 9.10 | |
| | | | | 36 | 8.36 | 8.50 | 8.36 | 8.50 | |
| | | | 52T | 37 | 10.50 | 10.21 | 10.50 | 10.21 | |
| | | | | 45 | 10.43 | 10.36 | 10.43 | 10.36 | |
| | | | | 52 | 9.73 | 9.89 | 9.73 | 9.89 | |
| | | | 106T | 53 | 11.23 | 11.05 | 11.23 | 11.05 | |
| | | | | 57 | 11.08 | 11.12 | 11.08 | 11.12 | |
| | | | | 60 | 10.47 | 10.67 | 10.47 | 10.67 | |
| | | | 242T | 61 | 12.36 | 12.04 | 12.36 | 12.04 | |
| | | | | 62 | 12.32 | 12.12 | 12.32 | 12.12 | |
| | | | | 64 | 11.70 | 11.75 | 11.70 | 11.75 | |
| | | | 484T | 65 | 12.36 | 12.09 | 12.36 | 12.09 | |
| | | | | 66 | 11.92 | 11.88 | 11.92 | 11.88 | |
| | | | SU | - | 13.39 | 13.21 | 13.39 | 13.21 | |
| | 122 | 5610 | 26T | 0 | 8.66 | 9.02 | 8.66 | 9.02 | |
| | | | | 18 | 8.68 | 9.25 | 8.68 | 9.25 | |
| | | | | 36 | 7.96 | 8.75 | 7.96 | 8.75 | |
| | | | 52T | 37 | 9.84 | 10.36 | 9.84 | 10.36 | |
| | | | | 45 | 9.86 | 10.63 | 9.86 | 10.63 | |
| | | | | 52 | 9.24 | 10.27 | 9.24 | 10.27 | |
| | | | 106T | 53 | 11.36 | 11.21 | 11.36 | 11.21 | |
| | | | | 57 | 11.26 | 11.37 | 11.26 | 11.37 | |
| | | | | 60 | 10.73 | 10.99 | 10.73 | 10.99 | |
| | | | 242T | 61 | 11.82 | 12.20 | 11.82 | 12.20 | |
| | | | | 62 | 11.81 | 12.28 | 11.81 | 12.28 | |
| | | | | 64 | 11.28 | 12.02 | 11.28 | 12.02 | |
| | | | 484T | 65 | 12.25 | 12.27 | 12.25 | 12.27 | |
| | | | | 66 | 11.88 | 12.14 | 11.88 | 12.14 | |
| | | | SU | - | 13.37 | 13.43 | 13.37 | 13.43 | |

* Calculation of Output Power : Corr'd Power = Meas Power + Duty CF [dB]


UL Korea, Ltd. Suwon Laboratory FORM ID: FCC_15E(04)
218 Maeyeong-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16675, Korea TEL: (031) 337-9902 FAX: (031) 213-5433

**PPSD Results**

| Actual RBW | Ref. Bandwidth | Corr'd factor |
|---|---|---|
| 100 kHz | 1000 kHz | 10.00 dB |

| Mode | Channel | Frequency [MHz] | Tones | RU offset | Meas PPSD [dBm/100kHz] | | Corr'd PPSD [dBm/MHz] | | PPSD Limit [dBm/MHz] |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | ANT1 | ANT2 | ANT1 | ANT2 | |
| HE20 | 100 | 5500 | 26T | 0 | -2.768 | -3.526 | 7.232 | 6.474 | 11.00 |
| | | | | 4 | -2.765 | -3.456 | 7.235 | 6.544 | |
| | | | | 8 | -2.788 | -3.433 | 7.212 | 6.567 | |
| | | | SU | - | -5.402 | -6.181 | 4.598 | 3.819 | |
| | 116 | 5580 | 26T | 0 | -2.484 | -3.437 | 7.516 | 6.563 | |
| | | | | 4 | -2.350 | -3.253 | 7.650 | 6.747 | |
| | | | | 8 | -2.658 | -3.571 | 7.342 | 6.429 | |
| | | | SU | - | -5.555 | -6.203 | 4.445 | 3.797 | |
| | 140 | 5700 | 26T | 0 | -2.117 | -3.098 | 7.883 | 6.902 | |
| | | | | 4 | -2.154 | -3.053 | 7.846 | 6.947 | |
| | | | | 8 | -2.246 | -2.973 | 7.754 | 7.027 | |
| | | | SU | - | -4.894 | -5.739 | 5.106 | 4.261 | |
| HE40 | 102 | 5510 | 26T | 0 | -2.936 | -3.929 | 7.064 | 6.071 | |
| | | | | 9 | -2.617 | -3.080 | 7.383 | 6.920 | |
| | | | | 17 | -3.302 | -3.902 | 6.698 | 6.098 | |
| | | | SU | - | -9.426 | -10.834 | 0.574 | -0.834 | |
| | 118 | 5590 | 26T | 0 | -2.812 | -3.177 | 7.188 | 6.823 | |
| | | | | 9 | -2.175 | -2.786 | 7.825 | 7.214 | |
| | | | | 17 | -3.065 | -3.569 | 6.935 | 6.431 | |
| | | | SU | - | -8.932 | -10.369 | 1.068 | -0.369 | |
| | 134 | 5670 | 26T | 0 | -2.863 | -3.385 | 7.137 | 6.615 | |
| | | | | 9 | -2.558 | -3.055 | 7.442 | 6.945 | |
| | | | | 17 | -3.193 | -3.329 | 6.807 | 6.671 | |
| | | | SU | - | -9.339 | -10.003 | 0.661 | -0.003 | |
| HE80 | 106 | 5530 | 26T | 0 | -2.965 | -4.120 | 7.035 | 5.880 | |
| | | | | 18 | -2.806 | -3.934 | 7.194 | 6.066 | |
| | | | | 36 | -3.129 | -4.208 | 6.871 | 5.792 | |
| | | | SU | - | -13.405 | -14.492 | -3.405 | -4.492 | |
| | 122 | 5610 | 26T | 0 | -3.140 | -3.695 | 6.860 | 6.305 | |
| | | | | 18 | -2.976 | -3.891 | 7.024 | 6.109 | |
| | | | | 36 | -3.888 | -3.770 | 6.112 | 6.230 | |
| | | | SU | - | -13.349 | -14.270 | -3.349 | -4.270 | |

* Calculation of PPSD result : Corr'd PPSD = Meas PPSD + Duty CF + Corr'd factor [dB]


UL Korea, Ltd. Suwon Laboratory FORM ID: FCC_15E(04)
218 Maeyeong-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16675, Korea TEL: (031) 337-9902 FAX: (031) 213-5433

## 10.2.16. 802.11ax 1Tx (SISO) MODE STRADDLE CHANNEL

### Bandwidth and Antenna Gain, Limits

| Mode | Frequency [MHz] | Portion | Min 26 dB BW [MHz] | Directional Gain [dBi] | Power Limit [dBm] | PPSD Limit |
|---|---|---|---|---|---|---|
| HE20 | 5720 | UNII-2C | 14.024 | -3.36 | 22.47 | 11.00 [dBm/MHz] |
| | | UNII-3 | 4.182 | -4.10 | 30.00 | 30.00 [dBm/500kHz] |
| HE40 | 5710 | UNII-2C | 32.364 | -3.36 | 24.00 | 11.00 [dBm/MHz] |
| | | UNII-3 | 2.152 | -4.10 | 30.00 | 30.00 [dBm/500kHz] |
| HE80 | 5690 | UNII-2C | 74.068 | -3.36 | 24.00 | 11.00 [dBm/MHz] |
| | | UNII-3 | 4.630 | -4.10 | 30.00 | 30.00 [dBm/500kHz] |

| Included in Calculations of Corr'd Power & PPSD | | | | |
|---|---|---|---|---|
| Duty Cycle CF [dB] | HE20 | 26T | 0.00 | dB |
| | | SU | 0.00 | dB |
| | HE40 | 26T | 0.00 | dB |
| | | SU | 0.00 | dB |
| | HE80 | 26T | 0.00 | dB |
| | | SU | 0.00 | dB |

### Output Power Results

| Mode | Frequency [MHz] | Portion | Tones | RU offset | Meas Power [dBm] | | Corr'd Power [dBm] | | Power Limit [dBm] |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | ANT1 | ANT2 | ANT1 | ANT2 | |
| HE20 | 5720 | UNII-2C | 26T | 6 | 8.823 | 7.907 | 8.823 | 7.907 | 22.47 |
| | | | SU | - | 14.786 | 13.871 | 14.786 | 13.871 | |
| | | UNII-3 | 26T | 6 | 2.860 | 2.092 | 2.860 | 2.092 | 30.00 |
| | | | SU | - | 9.005 | 8.136 | 9.005 | 8.136 | |
| HE40 | 5710 | UNII-2C | 26T | 15 | 9.690 | 9.073 | 9.690 | 9.073 | 24.00 |
| | | | SU | - | 14.194 | 13.514 | 14.194 | 13.514 | |
| | | UNII-3 | 26T | 15 | -3.412 | -4.142 | -3.412 | -4.142 | 30.00 |
| | | | SU | - | 3.584 | 3.084 | 3.584 | 3.084 | |
| HE80 | 5690 | UNII-2C | 26T | 34 | 8.513 | 8.359 | 8.513 | 8.359 | 24.00 |
| | | | SU | - | 13.635 | 12.868 | 13.635 | 12.868 | |
| | | UNII-3 | 26T | 34 | -4.348 | -4.797 | -4.348 | -4.797 | 30.00 |
| | | | SU | - | -0.769 | -1.234 | -0.769 | -1.234 | |

* Calculation of Output Power : Corr'd Power = Meas Power + Duty CF [dB]

## PPSD Results

| Mode | Frequency [MHz] | Portion | Tones | RU offset | Meas PPSD [dBm/MHz] | | Corr'd PPSD [dBm/MHz] | | PPSD Limit [dBm/MHz] |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | ANT1 | ANT2 | ANT1 | ANT2 | |
| HE20 | 5720 | UNII-2C | 26T | 6 | 7.978 | 7.308 | 7.978 | 7.308 | 11.00 |
| | | | SU | - | 6.314 | 4.295 | 6.314 | 4.295 | |
| | | *UNII-3 | 26T | 6 | 5.466 | 3.867 | 5.466 | 3.867 | 30.00 |
| | | | SU | - | 2.316 | 0.759 | 2.316 | 0.759 | |
| HE40 | 5710 | UNII-2C | 26T | 15 | 7.990 | 7.774 | 7.990 | 7.774 | 11.00 |
| | | | SU | - | 1.605 | 0.926 | 1.605 | 0.926 | |
| | | *UNII-3 | 26T | 15 | -2.164 | -3.167 | -2.164 | -3.167 | 30.00 |
| | | | SU | - | -1.376 | -4.457 | -1.376 | -4.457 | |
| HE80 | 5690 | UNII-2C | 26T | 34 | 7.522 | 6.955 | 7.522 | 6.955 | 11.00 |
| | | | SU | - | -1.902 | -3.878 | -1.902 | -3.878 | |
| | | *UNII-3 | 26T | 34 | -2.410 | -3.259 | -2.410 | -3.259 | 30.00 |
| | | | SU | - | -7.297 | -8.653 | -7.297 | -8.653 | |

Note: * For UNII-3, the unit of PPSD is [dBm/500kHz].
Calculation of PPSD result : Corr'd PPSD = Meas PPSD + Duty CF + Corr'd factor [dB]

## 10.2.17. 802.11ax 1Tx (SISO) MODE 5.8 GHz BAND

**Bandwidth and Antenna Gain, Limits**

| Mode | Channel | Frequency [MHz] | Directional Gain [dBi] | Power Limit [dBm] | PPSD Limit [dBm/500kHz] |
|---|---|---|---|---|---|
| HE20 | Low | 5745 | -4.10 | 30.00 | 30.00 |
| | Mid | 5785 | | | |
| | High | 5825 | | | |
| HE40 | Low | 5755 | | | |
| | High | 5795 | | | |
| HE80 | Mid | 5775 | | | |

| Included in Calculations of Corr'd [Power & PPSD] | | | | |
|---|---|---|---|---|
| Duty Cycle CF [dB] | HE20 | 26T | 0.00 | dB |
| | | 52T | 0.00 | dB |
| | | 106T | 0.00 | dB |
| | | SU | 0.00 | dB |
| | HE40 | 26T | 0.00 | dB |
| | | 52T | 0.00 | dB |
| | | 106T | 0.00 | dB |
| | | 242T | 0.00 | dB |
| | | SU | 0.00 | dB |
| | HE80 | 26T | 0.00 | dB |
| | | 52T | 0.00 | dB |
| | | 106T | 0.00 | dB |
| | | 242T | 0.00 | dB |
| | | 484T | 0.00 | dB |
| | | SU | 0.00 | dB |

**Output Power Results**

| Mode | Channel | Frequency [MHz] | Tones | RU offset | Meas Power [dBm] | | Corr'd Power [dBm] | | Power Limit [dBm] |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | ANT1 | ANT2 | ANT1 | ANT2 | |
| HE20 | 149 | 5745 | 26T | 0 | 9.17 | 9.20 | 9.17 | 9.20 | 30.00 |
| | | | | 4 | 9.23 | 9.28 | 9.23 | 9.28 | |
| | | | | 8 | 9.08 | 9.15 | 9.08 | 9.15 | |
| | | | 52T | 37 | 11.12 | 11.18 | 11.12 | 11.18 | |
| | | | | 38 | 11.22 | 11.31 | 11.22 | 11.31 | |
| | | | | 40 | 11.07 | 11.20 | 11.07 | 11.20 | |
| | | | 106T | 53 | 12.25 | 12.27 | 12.25 | 12.27 | |
| | | | | 54 | 12.20 | 12.23 | 12.20 | 12.23 | |
| | | | SU | - | 15.68 | 15.35 | 15.68 | 15.35 | |
| | 157 | 5785 | 26T | 0 | 9.20 | 9.27 | 9.20 | 9.27 | |
| | | | | 4 | 9.24 | 9.35 | 9.24 | 9.35 | |
| | | | | 8 | 9.10 | 9.22 | 9.10 | 9.22 | |
| | | | 52T | 37 | 11.10 | 11.29 | 11.10 | 11.29 | |
| | | | | 38 | 11.22 | 11.41 | 11.22 | 11.41 | |
| | | | | 40 | 11.03 | 11.27 | 11.03 | 11.27 | |
| | | | 106T | 53 | 12.31 | 12.01 | 12.31 | 12.01 | |
| | | | | 54 | 12.22 | 11.98 | 12.22 | 11.98 | |
| | | | SU | - | 15.72 | 15.43 | 15.72 | 15.43 | |
| | 165 | 5825 | 26T | 0 | 9.22 | 8.95 | 9.22 | 8.95 | |
| | | | | 4 | 9.27 | 9.04 | 9.27 | 9.04 | |
| | | | | 8 | 9.10 | 8.93 | 9.10 | 8.93 | |
| | | | 52T | 37 | 11.15 | 11.11 | 11.15 | 11.11 | |
| | | | | 38 | 11.24 | 11.24 | 11.24 | 11.24 | |
| | | | | 40 | 11.06 | 11.09 | 11.06 | 11.09 | |
| | | | 106T | 53 | 12.35 | 12.13 | 12.35 | 12.13 | |
| | | | | 54 | 12.28 | 12.11 | 12.28 | 12.11 | |
| | | | SU | - | 15.34 | 15.37 | 15.34 | 15.37 | |

* Calculation of Output Power : Corr'd Power = Meas Power + Duty CF [dB]

| Mode | Channel | Frequency [MHz] | Tones | RU offset | Meas Power [dBm] | | Corr'd Power [dBm] | | Power Limit [dBm] |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | ANT1 | ANT2 | ANT1 | ANT2 | |
| HE40 | 151 | 5755 | 26T | 0 | 9.38 | 9.15 | 9.38 | 9.15 | 30.00 |
| | | | | 9 | 9.80 | 9.62 | 9.80 | 9.62 | |
| | | | | 17 | 9.18 | 9.06 | 9.18 | 9.06 | |
| | | | 52T | 37 | 11.17 | 11.20 | 11.17 | 11.20 | |
| | | | | 41 | 11.55 | 11.63 | 11.55 | 11.63 | |
| | | | | 44 | 11.04 | 11.20 | 11.04 | 11.20 | |
| | | | 106T | 53 | 12.04 | 12.08 | 12.04 | 12.08 | |
| | | | | 54 | 12.28 | 12.30 | 12.28 | 12.30 | |
| | | | | 56 | 11.87 | 12.03 | 11.87 | 12.03 | |
| | | | 242T | 61 | 13.17 | 13.15 | 13.17 | 13.15 | |
| | | | | 62 | 13.04 | 13.09 | 13.04 | 13.09 | |
| | | | SU | - | 14.20 | 14.22 | 14.20 | 14.22 | |
| | 159 | 5795 | 26T | 0 | 9.45 | 9.21 | 9.45 | 9.21 | |
| | | | | 9 | 9.85 | 9.64 | 9.85 | 9.64 | |
| | | | | 17 | 9.20 | 9.09 | 9.20 | 9.09 | |
| | | | 52T | 37 | 11.38 | 11.28 | 11.38 | 11.28 | |
| | | | | 41 | 11.74 | 11.70 | 11.74 | 11.70 | |
| | | | | 44 | 11.23 | 11.25 | 11.23 | 11.25 | |
| | | | 106T | 53 | 12.20 | 12.15 | 12.20 | 12.15 | |
| | | | | 54 | 12.44 | 12.38 | 12.44 | 12.38 | |
| | | | | 56 | 12.02 | 12.05 | 12.02 | 12.05 | |
| | | | 242T | 61 | 13.30 | 13.13 | 13.30 | 13.13 | |
| | | | | 62 | 13.18 | 13.07 | 13.18 | 13.07 | |
| | | | SU | - | 14.37 | 14.25 | 14.37 | 14.25 | |
| HE80 | 155 | 5775 | 26T | 0 | 9.29 | 8.80 | 9.29 | 8.80 | |
| | | | | 18 | 9.48 | 9.08 | 9.48 | 9.08 | |
| | | | | 36 | 8.80 | 8.55 | 8.80 | 8.55 | |
| | | | 52T | 37 | 10.19 | 9.72 | 10.19 | 9.72 | |
| | | | | 45 | 10.40 | 10.04 | 10.40 | 10.04 | |
| | | | | 52 | 9.90 | 9.66 | 9.90 | 9.66 | |
| | | | 106T | 53 | 10.98 | 11.08 | 10.98 | 11.08 | |
| | | | | 57 | 11.04 | 11.23 | 11.04 | 11.23 | |
| | | | | 60 | 10.56 | 10.85 | 10.56 | 10.85 | |
| | | | 242T | 61 | 11.97 | 12.21 | 11.97 | 12.21 | |
| | | | | 62 | 12.02 | 12.33 | 12.02 | 12.33 | |
| | | | | 64 | 11.62 | 12.02 | 11.62 | 12.02 | |
| | | | 484T | 65 | 12.02 | 12.29 | 12.02 | 12.29 | |
| | | | | 66 | 11.80 | 12.16 | 11.80 | 12.16 | |
| | | | SU | - | 13.80 | 13.41 | 13.80 | 13.41 | |

* Calculation of Output Power : Corr'd Power = Meas Power + Duty CF [dB]

**PPSD Results**

| Actual RBW | Ref. Bandwidth | Corr'd factor |
|---|---|---|
| 100 kHz | 500 kHz | 6.99 dB |

| Mode | Channel | Frequency [MHz] | Tones | RU offset | Meas PPSD [dBm/100kHz] | | Corr'd PPSD [dBm/500kHz] | | PPSD Limit [dBm/ 500kHz] |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | ANT1 | ANT2 | ANT1 | ANT2 | |
| HE20 | 149 | 5745 | 26T | 0 | -2.862 | -3.493 | 4.128 | 3.497 | 30.00 |
| | | | | 4 | -2.444 | -3.636 | 4.546 | 3.354 | |
| | | | | 8 | -2.951 | -3.710 | 4.039 | 3.280 | |
| | | | SU | - | -5.361 | -6.235 | 1.629 | 0.755 | |
| | 157 | 5785 | 26T | 0 | -2.891 | -3.811 | 4.099 | 3.179 | |
| | | | | 4 | -3.076 | -3.508 | 3.914 | 3.482 | |
| | | | | 8 | -3.212 | -4.039 | 3.778 | 2.951 | |
| | | | SU | - | -5.460 | -6.251 | 1.530 | 0.739 | |
| | 165 | 5825 | 26T | 0 | -3.320 | -4.213 | 3.670 | 2.777 | |
| | | | | 4 | -2.990 | -4.267 | 4.000 | 2.723 | |
| | | | | 8 | -3.048 | -4.385 | 3.942 | 2.605 | |
| | | | SU | - | -5.986 | -6.758 | 1.004 | 0.232 | |
| HE40 | 151 | 5755 | 26T | 0 | -2.460 | -3.499 | 4.530 | 3.491 | |
| | | | | 9 | -1.998 | -3.255 | 4.992 | 3.735 | |
| | | | | 17 | -2.599 | -3.589 | 4.391 | 3.401 | |
| | | | SU | - | -9.350 | -10.349 | -2.360 | -3.359 | |
| | 159 | 5795 | 26T | 0 | -2.852 | -4.090 | 4.138 | 2.900 | |
| | | | | 9 | -2.465 | -3.391 | 4.525 | 3.599 | |
| | | | | 17 | -3.179 | -4.283 | 3.811 | 2.707 | |
| | | | SU | - | -9.781 | -10.339 | -2.791 | -3.349 | |
| HE80 | 155 | 5775 | 26T | 0 | -2.426 | -3.797 | 4.564 | 3.193 | |
| | | | | 18 | -2.813 | -4.051 | 4.177 | 2.939 | |
| | | | | 36 | -3.694 | -4.575 | 3.296 | 2.415 | |
| | | | SU | - | -13.033 | -14.382 | -6.043 | -7.392 | |

* Calculation of PPSD result : Corr'd PPSD = Meas PPSD + Duty CF + Corr'd factor [dB]

## 10.2.18. 802.11ax 2Tx (MIMO) MODE 5.2 GHz BAND

**Bandwidth and Antenna Gain, Limits**

| Mode | Channel | Frequency [MHz] | Min 26 dB BW [MHz] | Directional Gain [dBi] | Power Limit [dBm] | PPSD Limit [dBm/MHz] |
|---|---|---|---|---|---|---|
| HE20 | Low | 5180 | 15.01 | -3.50 | 22.76 | 11.00 |
| | Mid | 5200 | | | | |
| | High | 5240 | | | | |
| HE40 | Low | 5190 | 19.57 | | 23.92 | |
| | High | 5230 | | | | |
| HE80 | Mid | 5210 | 53.75 | | 24.00 | |

| Included in Calculations of Corr'd [Power & PPSD] | | | | |
|---|---|---|---|---|
| Duty Cycle CF [dB] | HE20 | 26T | 0.00 | dB |
| | | 52T | 0.00 | dB |
| | | 106T | 0.00 | dB |
| | | SU | 0.00 | dB |
| | HE40 | 26T | 0.00 | dB |
| | | 52T | 0.00 | dB |
| | | 106T | 0.00 | dB |
| | | 242T | 0.00 | dB |
| | | SU | 0.00 | dB |
| | HE80 | 26T | 0.00 | dB |
| | | 52T | 0.00 | dB |
| | | 106T | 0.00 | dB |
| | | 242T | 0.00 | dB |
| | | 484T | 0.00 | dB |
| | | SU | 0.00 | dB |

**Output Power Results**

| Mode | Channel | Frequency [MHz] | Tones | RU offset | Meas Power [dBm] | | Total Corr'd Power [dBm] | Power Limit [dBm] |
|---|---|---|---|---|---|---|---|---|
| | | | | | ANT1 | ANT2 | | |
| HE20 | 36 | 5180 | 26T | 0 | 9.25 | 8.57 | 11.93 | 22.76 |
| | | | | 4 | 9.39 | 8.63 | 12.04 | |
| | | | | 8 | 9.33 | 8.48 | 11.94 | |
| | | | 52T | 37 | 11.27 | 10.54 | 13.93 | |
| | | | | 38 | 11.40 | 10.65 | 14.05 | |
| | | | | 40 | 11.33 | 10.50 | 13.95 | |
| | | | 106T | 53 | 12.87 | 12.25 | 15.58 | |
| | | | | 54 | 12.92 | 12.20 | 15.59 | |
| | | | SU | - | 15.55 | 14.77 | 18.19 | |
| | 40 | 5200 | 26T | 0 | 9.28 | 9.06 | 12.18 | |
| | | | | 4 | 9.43 | 9.11 | 12.28 | |
| | | | | 8 | 9.42 | 8.96 | 12.21 | |
| | | | 52T | 37 | 11.29 | 11.03 | 14.17 | |
| | | | | 38 | 11.45 | 11.13 | 14.30 | |
| | | | | 40 | 11.38 | 10.95 | 14.18 | |
| | | | 106T | 53 | 12.40 | 12.21 | 15.32 | |
| | | | | 54 | 12.45 | 12.15 | 15.31 | |
| | | | SU | - | 15.37 | 14.77 | 18.09 | |
| | 48 | 5240 | 26T | 0 | 8.91 | 8.83 | 11.88 | |
| | | | | 4 | 9.08 | 8.84 | 11.97 | |
| | | | | 8 | 9.01 | 8.64 | 11.84 | |
| | | | 52T | 37 | 11.52 | 11.28 | 14.41 | |
| | | | | 38 | 11.63 | 11.38 | 14.52 | |
| | | | | 40 | 11.57 | 11.17 | 14.38 | |
| | | | 106T | 53 | 11.97 | 11.99 | 14.99 | |
| | | | | 54 | 12.06 | 11.91 | 15.00 | |
| | | | SU | - | 14.81 | 14.65 | 17.74 | |

* Calculation of Output Power : Total Corr'd Power = Ant1 Power + Ant2 Power + Duty CF [dB]

| Mode | Channel | Frequency [MHz] | Tones | RU offset | Meas Power [dBm] | | Total Corr'd Power [dBm] | Power Limit [dBm] |
|---|---|---|---|---|---|---|---|---|
| | | | | | ANT1 | ANT2 | | |
| HE40 | 38 | 5190 | 26T | 0 | 8.80 | 8.66 | 11.74 | 23.92 |
| | | | | 9 | 9.43 | 9.13 | 12.29 | |
| | | | | 17 | 8.99 | 8.52 | 11.77 | |
| | | | 52T | 37 | 11.35 | 11.11 | 14.24 | |
| | | | | 41 | 11.93 | 11.48 | 14.72 | |
| | | | | 44 | 11.54 | 10.95 | 14.27 | |
| | | | 106T | 53 | 12.11 | 11.91 | 15.02 | |
| | | | | 54 | 12.44 | 12.15 | 15.31 | |
| | | | | 56 | 12.25 | 11.79 | 15.04 | |
| | | | 242T | 61 | 13.28 | 12.99 | 16.15 | |
| | | | | 62 | 13.38 | 12.92 | 16.17 | |
| | | | SU | - | 14.25 | 13.57 | 16.93 | |
| | 46 | 5230 | 26T | 0 | 8.48 | 8.51 | 11.51 | |
| | | | | 9 | 9.14 | 8.92 | 12.04 | |
| | | | | 17 | 8.73 | 8.30 | 11.53 | |
| | | | 52T | 37 | 11.07 | 10.86 | 13.98 | |
| | | | | 41 | 11.62 | 11.16 | 14.41 | |
| | | | | 44 | 11.25 | 10.61 | 13.95 | |
| | | | 106T | 53 | 12.34 | 12.24 | 15.30 | |
| | | | | 54 | 12.65 | 12.45 | 15.56 | |
| | | | | 56 | 12.51 | 12.04 | 15.29 | |
| | | | 242T | 61 | 12.92 | 12.81 | 15.88 | |
| | | | | 62 | 13.04 | 12.70 | 15.88 | |
| | | | SU | - | 14.41 | 14.04 | 17.24 | |
| HE80 | 42 | 5210 | 26T | 0 | 8.84 | 8.91 | 11.89 | 24.00 |
| | | | | 18 | 9.02 | 8.88 | 11.96 | |
| | | | | 36 | 9.29 | 8.63 | 11.98 | |
| | | | 52T | 37 | 9.71 | 9.79 | 12.76 | |
| | | | | 45 | 10.20 | 9.76 | 13.00 | |
| | | | | 52 | 10.23 | 9.46 | 12.87 | |
| | | | 106T | 53 | 10.98 | 11.04 | 14.02 | |
| | | | | 57 | 11.30 | 10.91 | 14.12 | |
| | | | | 60 | 11.52 | 10.77 | 14.17 | |
| | | | 242T | 61 | 11.87 | 11.98 | 14.94 | |
| | | | | 62 | 11.86 | 11.90 | 14.89 | |
| | | | | 64 | 12.80 | 11.71 | 15.30 | |
| | | | 484T | 65 | 11.90 | 11.96 | 14.94 | |
| | | | | 66 | 12.50 | 11.73 | 15.14 | |
| | | | SU | - | 13.18 | 12.82 | 16.01 | |

* Calculation of Output Power : Total Corr'd Power = Ant1 Power + Ant2 Power + Duty CF [dB]

**PPSD Results**

| Actual RBW | Ref. Bandwidth | Corr'd factor |
|---|---|---|
| 100 kHz | 1000 kHz | 10.00 dB |

| Mode | Channel | Frequency [MHz] | Tones | RU offset | Meas PPSD [dBm/100kHz] | | Corr'd PPSD [dBm/MHz] | PPSD Limit [dBm/MHz] |
|---|---|---|---|---|---|---|---|---|
| | | | | | ANT1 | ANT2 | | |
| HE20 | 36 | 5180 | 26T | 0 | -2.505 | -3.701 | 9.948 | 11.00 |
| | | | | 4 | -2.799 | -3.371 | 9.935 | |
| | | | | 8 | -2.886 | -3.811 | 9.686 | |
| | | | SU | - | -6.468 | -6.806 | 6.377 | |
| | 40 | 5200 | 26T | 0 | -3.152 | -3.704 | 9.591 | |
| | | | | 4 | -3.031 | -3.541 | 9.732 | |
| | | | | 8 | -3.089 | -3.488 | 9.726 | |
| | | | SU | - | -5.815 | -6.969 | 6.657 | |
| | 48 | 5240 | 26T | 0 | -2.990 | -3.757 | 9.654 | |
| | | | | 4 | -3.294 | -3.821 | 9.461 | |
| | | | | 8 | -3.003 | -4.161 | 9.467 | |
| | | | SU | - | -6.232 | -7.033 | 6.396 | |
| HE40 | 38 | 5190 | 26T | 0 | -3.650 | -3.924 | 9.225 | |
| | | | | 9 | -2.584 | -3.340 | 10.065 | |
| | | | | 17 | -3.526 | -3.879 | 9.311 | |
| | | | SU | - | -9.703 | -10.841 | 2.775 | |
| | 46 | 5230 | 26T | 0 | -3.046 | -4.217 | 9.418 | |
| | | | | 9 | -2.880 | -3.571 | 9.799 | |
| | | | | 17 | -3.603 | -4.292 | 9.076 | |
| | | | SU | - | -10.263 | -10.401 | 2.679 | |
| HE80 | 42 | 5210 | 26T | 0 | -3.504 | -4.113 | 9.212 | |
| | | | | 18 | -3.001 | -4.096 | 9.496 | |
| | | | | 36 | -3.298 | -4.361 | 9.213 | |
| | | | SU | - | -14.078 | -14.905 | -1.462 | |

* Calculation of PPSD result : Total Corr'd PPSD = Ant1 PPSD + Ant2 PPSD + Duty CF [dB] + Corr'd factor [dB]

## 10.2.19. 802.11ax 2Tx (MIMO) MODE 5.3 GHz BAND

**Bandwidth and Antenna Gain, Limits**

| Mode | Channel | Frequency [MHz] | Min 26 dB BW [MHz] | Directional Gain [dBi] | Power Limit [dBm] | PPSD Limit [dBm/MHz] |
|---|---|---|---|---|---|---|
| HE20 | Low | 5260 | 15.93 | -3.50 | 23.02 | 11.00 |
| | Mid | 5300 | | | | |
| | High | 5320 | | | | |
| HE40 | Low | 5270 | 23.61 | | 24.00 | |
| | High | 5310 | | | | |
| HE80 | Mid | 5290 | 55.97 | | 24.00 | |

| Included in Calculations of Corr'd [Power & PPSD] | | | | |
|---|---|---|---|---|
| Duty Cycle CF [dB] | HE20 | 26T | 0.00 | dB |
| | | 52T | 0.00 | dB |
| | | 106T | 0.00 | dB |
| | | SU | 0.00 | dB |
| | HE40 | 26T | 0.00 | dB |
| | | 52T | 0.00 | dB |
| | | 106T | 0.00 | dB |
| | | 242T | 0.00 | dB |
| | | SU | 0.00 | dB |
| | HE80 | 26T | 0.00 | dB |
| | | 52T | 0.00 | dB |
| | | 106T | 0.00 | dB |
| | | 242T | 0.00 | dB |
| | | 484T | 0.00 | dB |
| | | SU | 0.00 | dB |

**Output Power Results**

| Mode | Channel | Frequency [MHz] | Tones | RU offset | Meas Power [dBm] | | Total Corr'd Power [dBm] | Power Limit [dBm] |
|---|---|---|---|---|---|---|---|---|
| | | | | | ANT1 | ANT2 | | |
| HE20 | 52 | 5260 | 26T | 0 | 8.96 | 8.92 | 11.95 | 23.02 |
| | | | | 4 | 9.14 | 8.91 | 12.04 | |
| | | | | 8 | 9.08 | 8.74 | 11.92 | |
| | | | 52T | 37 | 10.97 | 10.87 | 13.93 | |
| | | | | 38 | 11.12 | 10.96 | 14.05 | |
| | | | | 40 | 11.11 | 10.73 | 13.93 | |
| | | | 106T | 53 | 12.08 | 12.07 | 15.09 | |
| | | | | 54 | 12.16 | 12.01 | 15.10 | |
| | | | SU | - | 15.23 | 15.14 | 18.20 | |
| | 60 | 5300 | 26T | 0 | 8.52 | 9.32 | 11.95 | |
| | | | | 4 | 8.74 | 9.35 | 12.07 | |
| | | | | 8 | 8.71 | 9.18 | 11.96 | |
| | | | 52T | 37 | 10.58 | 11.27 | 13.95 | |
| | | | | 38 | 10.66 | 11.37 | 14.04 | |
| | | | | 40 | 10.75 | 11.17 | 13.98 | |
| | | | 106T | 53 | 11.56 | 12.58 | 15.11 | |
| | | | | 54 | 11.73 | 12.52 | 15.15 | |
| | | | SU | - | 14.74 | 15.56 | 18.18 | |
| | 64 | 5320 | 26T | 0 | 8.87 | 9.04 | 11.97 | |
| | | | | 4 | 9.10 | 9.05 | 12.09 | |
| | | | | 8 | 9.09 | 8.87 | 11.99 | |
| | | | 52T | 37 | 10.88 | 11.02 | 13.96 | |
| | | | | 38 | 11.15 | 11.06 | 14.12 | |
| | | | | 40 | 11.12 | 10.86 | 14.00 | |
| | | | 106T | 53 | 12.05 | 12.28 | 15.18 | |
| | | | | 54 | 12.18 | 12.21 | 15.21 | |
| | | | SU | - | 14.97 | 15.25 | 18.12 | |

* Calculation of Output Power : Total Corr'd Power = Ant1 Power + Ant2 Power + Duty CF [dB]

| Mode | Channel | Frequency [MHz] | Tones | RU offset | Meas Power [dBm] | | Total Corr'd Power [dBm] | Power Limit [dBm] |
|---|---|---|---|---|---|---|---|---|
| | | | | | ANT1 | ANT2 | | |
| HE40 | 54 | 5270 | 26T | 0 | 8.38 | 8.54 | 11.47 | 24.00 |
| | | | | 9 | 9.07 | 8.90 | 12.00 | |
| | | | | 17 | 8.72 | 8.26 | 11.51 | |
| | | | 52T | 37 | 11.02 | 10.93 | 13.99 | |
| | | | | 41 | 11.61 | 11.18 | 14.41 | |
| | | | | 44 | 11.30 | 10.61 | 13.98 | |
| | | | 106T | 53 | 12.21 | 12.22 | 15.23 | |
| | | | | 54 | 12.58 | 12.42 | 15.51 | |
| | | | | 56 | 12.46 | 12.02 | 15.26 | |
| | | | 242T | 61 | 12.85 | 12.83 | 15.85 | |
| | | | | 62 | 13.02 | 12.70 | 15.87 | |
| | | | SU | - | 14.30 | 14.06 | 17.19 | |
| | 62 | 5310 | 26T | 0 | 7.89 | 8.93 | 11.45 | |
| | | | | 9 | 8.70 | 9.32 | 12.03 | |
| | | | | 17 | 8.36 | 8.70 | 11.54 | |
| | | | 52T | 37 | 10.75 | 11.25 | 14.02 | |
| | | | | 41 | 11.40 | 11.54 | 14.48 | |
| | | | | 44 | 11.18 | 11.00 | 14.10 | |
| | | | 106T | 53 | 11.71 | 12.58 | 15.18 | |
| | | | | 54 | 12.14 | 12.79 | 15.49 | |
| | | | | 56 | 12.07 | 12.38 | 15.24 | |
| | | | 242T | 61 | 12.39 | 13.24 | 15.85 | |
| | | | | 62 | 12.64 | 13.14 | 15.91 | |
| | | | SU | - | 13.84 | 14.35 | 17.11 | |
| HE80 | 58 | 5290 | 26T | 0 | 7.73 | 9.50 | 11.71 | 24.00 |
| | | | | 18 | 8.22 | 9.26 | 11.78 | |
| | | | | 36 | 8.53 | 8.83 | 11.69 | |
| | | | 52T | 37 | 9.12 | 10.69 | 12.99 | |
| | | | | 45 | 10.03 | 10.39 | 13.22 | |
| | | | | 52 | 9.96 | 9.99 | 12.99 | |
| | | | 106T | 53 | 9.81 | 11.53 | 13.76 | |
| | | | | 57 | 10.56 | 11.15 | 13.88 | |
| | | | | 60 | 10.75 | 10.84 | 13.81 | |
| | | | 242T | 61 | 10.82 | 12.61 | 14.82 | |
| | | | | 62 | 11.03 | 12.45 | 14.81 | |
| | | | | 64 | 11.89 | 11.98 | 14.95 | |
| | | | 484T | 65 | 10.95 | 12.51 | 14.81 | |
| | | | | 66 | 11.89 | 12.09 | 15.00 | |
| | | | SU | - | 12.69 | 13.65 | 16.21 | |

* Calculation of Output Power : Total Corr'd Power = Ant1 Power + Ant2 Power + Duty CF [dB]

**PPSD Results**

| Actual RBW | Ref. Bandwidth | Corr'd factor |
|---|---|---|
| 100 kHz | 1000 kHz | 10.00 dB |

| Mode | Channel | Frequency [MHz] | Tones | RU offset | Meas PPSD [dBm/100kHz] | | Corr'd PPSD [dBm/MHz] | PPSD Limit [dBm/MHz] |
|---|---|---|---|---|---|---|---|---|
| | | | | | ANT1 | ANT2 | | |
| HE20 | 52 | 5260 | 26T | 0 | -3.158 | -3.473 | 9.698 | 11.00 |
| | | | | 4 | -3.183 | -3.667 | 9.592 | |
| | | | | 8 | -3.366 | -3.991 | 9.343 | |
| | | | SU | - | -6.349 | -7.266 | 6.227 | |
| | 60 | 5300 | 26T | 0 | -3.173 | -3.327 | 9.761 | |
| | | | | 4 | -3.232 | -3.130 | 9.830 | |
| | | | | 8 | -3.161 | -3.221 | 9.819 | |
| | | | SU | - | -6.582 | -6.750 | 6.345 | |
| | 64 | 5320 | 26T | 0 | -2.937 | -3.556 | 9.775 | |
| | | | | 4 | -2.714 | -3.623 | 9.866 | |
| | | | | 8 | -3.048 | -3.838 | 9.585 | |
| | | | SU | - | -6.273 | -6.745 | 6.508 | |
| HE40 | 54 | 5270 | 26T | 0 | -3.023 | -4.083 | 9.490 | |
| | | | | 9 | -3.394 | -3.593 | 9.518 | |
| | | | | 17 | -3.780 | -4.420 | 8.922 | |
| | | | SU | - | -10.163 | -10.706 | 2.584 | |
| | 62 | 5310 | 26T | 0 | -3.842 | -3.817 | 9.181 | |
| | | | | 9 | -3.381 | -3.234 | 9.703 | |
| | | | | 17 | -4.482 | -4.129 | 8.708 | |
| | | | SU | - | -10.687 | -10.893 | 2.222 | |
| HE80 | 58 | 5290 | 26T | 0 | -4.254 | -4.161 | 8.803 | |
| | | | | 18 | -4.094 | -4.101 | 8.913 | |
| | | | | 36 | -4.920 | -4.630 | 8.238 | |
| | | | SU | - | -14.229 | -14.453 | -1.329 | |

* Calculation of PPSD result : Total Corr'd PPSD = Ant1 PPSD + Ant2 PPSD + Duty CF [dB] + Corr'd factor [dB]

## 10.2.20. 802.11ax 2Tx (MIMO) MODE 5.5 GHz BAND

**Bandwidth and Antenna Gain, Limits**

| Mode | Channel | Frequency [MHz] | Min 26 dB BW [MHz] | Directional Gain [dBi] | Power Limit [dBm] | PPSD Limit [dBm/MHz] |
|---|---|---|---|---|---|---|
| HE20 | Low | 5500 | 15.29 | -3.36 | 22.84 | 11.00 |
| | Mid | 5580 | | | | |
| | High | 5700 | | | | |
| HE40 | Low | 5510 | 28.83 | | 24.00 | |
| | Mid | 5590 | | | | |
| | High | 5670 | | | | |
| HE80 | Low | 5530 | 70.76 | | 24.00 | |
| | High | 5610 | | | | |

| Included in Calculations of Corr'd [Power & PPSD] | | | | |
|---|---|---|---|---|
| Duty Cycle CF [dB] | HE20 | 26T | 0.00 | dB |
| | | 52T | 0.00 | dB |
| | | 106T | 0.00 | dB |
| | | SU | 0.00 | dB |
| | HE40 | 26T | 0.00 | dB |
| | | 52T | 0.00 | dB |
| | | 106T | 0.00 | dB |
| | | 242T | 0.00 | dB |
| | | SU | 0.00 | dB |
| | HE80 | 26T | 0.00 | dB |
| | | 52T | 0.00 | dB |
| | | 106T | 0.00 | dB |
| | | 242T | 0.00 | dB |
| | | 484T | 0.00 | dB |
| | | SU | 0.00 | dB |

**Output Power Results**

| Mode | Channel | Frequency [MHz] | Tones | RU offset | Meas Power [dBm] | | Total Corr'd Power [dBm] | Power Limit [dBm] |
|---|---|---|---|---|---|---|---|---|
| | | | | | ANT1 | ANT2 | | |
| HE20 | 100 | 5500 | 26T | 0 | 9.10 | 9.05 | 12.09 | 22.84 |
| | | | | 4 | 9.16 | 9.07 | 12.13 | |
| | | | | 8 | 9.02 | 8.93 | 11.99 | |
| | | | 52T | 37 | 11.07 | 10.79 | 13.94 | |
| | | | | 38 | 11.16 | 10.90 | 14.04 | |
| | | | | 40 | 11.02 | 10.73 | 13.89 | |
| | | | 106T | 53 | 12.15 | 12.16 | 15.17 | |
| | | | | 54 | 12.09 | 12.10 | 15.11 | |
| | | | SU | - | 15.38 | 15.18 | 18.29 | |
| | 116 | 5580 | 26T | 0 | 9.32 | 9.41 | 12.38 | |
| | | | | 4 | 9.36 | 9.46 | 12.42 | |
| | | | | 8 | 9.20 | 9.32 | 12.27 | |
| | | | 52T | 37 | 11.26 | 11.15 | 14.22 | |
| | | | | 38 | 11.33 | 11.25 | 14.30 | |
| | | | | 40 | 11.15 | 11.11 | 14.14 | |
| | | | 106T | 53 | 11.88 | 11.97 | 14.94 | |
| | | | | 54 | 11.83 | 11.91 | 14.88 | |
| | | | SU | - | 15.01 | 15.00 | 18.02 | |
| | 140 | 5700 | 26T | 0 | 8.82 | 9.82 | 12.36 | |
| | | | | 4 | 8.91 | 9.92 | 12.45 | |
| | | | | 8 | 8.76 | 9.76 | 12.30 | |
| | | | 52T | 37 | 10.83 | 11.61 | 14.25 | |
| | | | | 38 | 10.93 | 11.76 | 14.38 | |
| | | | | 40 | 10.80 | 11.64 | 14.25 | |
| | | | 106T | 53 | 11.50 | 12.36 | 14.96 | |
| | | | | 54 | 11.49 | 12.35 | 14.95 | |
| | | | SU | - | 14.79 | 15.47 | 18.15 | |

* Calculation of Output Power : Total Corr'd Power = Ant1 Power + Ant2 Power + Duty CF [dB]


UL Korea, Ltd. Suwon Laboratory FORM ID: FCC_15E(04)
218 Maeyeong-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16675, Korea TEL: (031) 337-9902 FAX: (031) 213-5433

| Mode | Channel | Frequency [MHz] | Tones | RU offset | Meas Power [dBm] | | Total Corr'd Power [dBm] | Power Limit [dBm] |
|---|---|---|---|---|---|---|---|---|
| | | | | | ANT1 | ANT2 | | |
| HE40 | 102 | 5510 | 26T | 0 | 9.25 | 8.90 | 12.09 | 24.00 |
| | | | | 9 | 9.73 | 9.28 | 12.52 | |
| | | | | 17 | 9.07 | 8.63 | 11.87 | |
| | | | 52T | 37 | 11.33 | 10.76 | 14.06 | |
| | | | | 41 | 11.65 | 11.09 | 14.39 | |
| | | | | 44 | 11.11 | 10.57 | 13.86 | |
| | | | 106T | 53 | 12.02 | 11.75 | 14.90 | |
| | | | | 54 | 12.26 | 11.97 | 15.13 | |
| | | | | 56 | 11.85 | 11.57 | 14.72 | |
| | | | 242T | 61 | 13.12 | 12.72 | 15.93 | |
| | | | | 62 | 13.01 | 12.59 | 15.82 | |
| | | | SU | - | 14.34 | 13.80 | 17.09 | |
| | 118 | 5590 | 26T | 0 | 9.10 | 9.45 | 12.29 | |
| | | | | 9 | 9.52 | 9.87 | 12.71 | |
| | | | | 17 | 8.90 | 9.28 | 12.10 | |
| | | | 52T | 37 | 10.67 | 10.85 | 13.77 | |
| | | | | 41 | 11.02 | 11.24 | 14.14 | |
| | | | | 44 | 10.50 | 10.80 | 13.66 | |
| | | | 106T | 53 | 12.00 | 12.17 | 15.10 | |
| | | | | 54 | 12.21 | 12.40 | 15.32 | |
| | | | | 56 | 11.80 | 12.03 | 14.93 | |
| | | | 242T | 61 | 12.91 | 13.24 | 16.09 | |
| | | | | 62 | 12.80 | 13.15 | 15.99 | |
| | | | SU | - | 13.84 | 13.93 | 16.90 | |
| | 134 | 5670 | 26T | 0 | 8.01 | 9.35 | 11.74 | |
| | | | | 9 | 8.45 | 9.83 | 12.20 | |
| | | | | 17 | 7.90 | 9.28 | 11.65 | |
| | | | 52T | 37 | 10.35 | 11.37 | 13.90 | |
| | | | | 41 | 10.73 | 11.83 | 14.33 | |
| | | | | 44 | 10.21 | 11.39 | 13.85 | |
| | | | 106T | 53 | 11.50 | 12.60 | 15.10 | |
| | | | | 54 | 11.75 | 12.87 | 15.36 | |
| | | | | 56 | 11.42 | 12.53 | 15.02 | |
| | | | 242T | 61 | 12.58 | 13.70 | 16.19 | |
| | | | | 62 | 12.51 | 13.67 | 16.14 | |
| | | | SU | - | 13.43 | 14.45 | 16.98 | |

* Calculation of Output Power : Total Corr'd Power = Ant1 Power + Ant2 Power + Duty CF [dB]

| Mode | Channel | Frequency [MHz] | Tones | RU offset | Meas Power [dBm] | | Total Corr'd Power [dBm] | Power Limit [dBm] |
|---|---|---|---|---|---|---|---|---|
| | | | | | ANT1 | ANT2 | | |
| HE80 | 106 | 5530 | 26T | 0 | 8.82 | 8.97 | 11.91 | 24.00 |
| | | | | 18 | 9.33 | 9.23 | 12.29 | |
| | | | | 36 | 8.51 | 8.37 | 11.45 | |
| | | | 52T | 37 | 10.13 | 10.19 | 13.17 | |
| | | | | 45 | 10.71 | 10.39 | 13.56 | |
| | | | | 52 | 9.86 | 9.75 | 12.82 | |
| | | | 106T | 53 | 10.82 | 11.06 | 13.95 | |
| | | | | 57 | 11.30 | 11.16 | 14.24 | |
| | | | | 60 | 10.65 | 10.51 | 13.59 | |
| | | | 242T | 61 | 11.93 | 12.08 | 15.02 | |
| | | | | 62 | 12.25 | 12.21 | 15.24 | |
| | | | | 64 | 11.94 | 11.60 | 14.78 | |
| | | | 484T | 65 | 12.12 | 12.16 | 15.15 | |
| | | | | 66 | 12.14 | 11.83 | 15.00 | |
| | | | SU | - | 13.25 | 13.06 | 16.17 | |
| | 122 | 5610 | 26T | 0 | 8.34 | 9.50 | 11.97 | |
| | | | | 18 | 8.84 | 9.85 | 12.38 | |
| | | | | 36 | 8.11 | 9.16 | 11.68 | |
| | | | 52T | 37 | 9.21 | 10.36 | 12.83 | |
| | | | | 45 | 9.77 | 10.68 | 13.26 | |
| | | | | 52 | 8.89 | 10.18 | 12.59 | |
| | | | 106T | 53 | 10.05 | 11.20 | 13.67 | |
| | | | | 57 | 10.34 | 11.43 | 13.93 | |
| | | | | 60 | 9.75 | 10.90 | 13.37 | |
| | | | 242T | 61 | 11.45 | 12.68 | 15.12 | |
| | | | | 62 | 11.86 | 12.84 | 15.39 | |
| | | | | 64 | 11.52 | 12.43 | 15.01 | |
| | | | 484T | 65 | 11.54 | 12.79 | 15.22 | |
| | | | | 66 | 11.63 | 12.53 | 15.11 | |
| | | | SU | - | 12.62 | 13.79 | 16.25 | |

* Calculation of Output Power : Total Corr'd Power = Ant1 Power + Ant2 Power + Duty CF [dB]

**PPSD Results**

| Actual RBW | Ref. Bandwidth | Corr'd factor |
|---|---|---|
| 100 kHz | 1000 kHz | 10.00 dB |

| Mode | Channel | Frequency [MHz] | Tones | RU offset | Meas PPSD [dBm/100kHz] | | Corr'd PPSD [dBm/MHz] | PPSD Limit [dBm/MHz] |
|---|---|---|---|---|---|---|---|---|
| | | | | | ANT1 | ANT2 | | |
| HE20 | 100 | 5500 | 26T | 0 | -2.768 | -3.526 | 9.880 | 11.00 |
| | | | | 4 | -2.765 | -3.456 | 9.914 | |
| | | | | 8 | -2.788 | -3.433 | 9.912 | |
| | | | SU | - | -5.402 | -6.181 | 7.236 | |
| | 116 | 5580 | 26T | 0 | -2.484 | -3.437 | 10.076 | |
| | | | | 4 | -2.350 | -3.253 | 10.232 | |
| | | | | 8 | -2.658 | -3.571 | 9.920 | |
| | | | SU | - | -5.555 | -6.203 | 7.143 | |
| | 140 | 5700 | 26T | 0 | -2.117 | -3.098 | 10.430 | |
| | | | | 4 | -2.154 | -3.053 | 10.430 | |
| | | | | 8 | -2.246 | -2.973 | 10.416 | |
| | | | SU | - | -4.894 | -5.739 | 7.714 | |
| HE40 | 102 | 5510 | 26T | 0 | -2.936 | -3.929 | 9.606 | |
| | | | | 9 | -2.617 | -3.080 | 10.168 | |
| | | | | 17 | -3.302 | -3.902 | 9.419 | |
| | | | SU | - | -9.426 | -10.834 | 2.937 | |
| | 118 | 5590 | 26T | 0 | -2.812 | -3.177 | 10.020 | |
| | | | | 9 | -2.175 | -2.786 | 10.541 | |
| | | | | 17 | -3.065 | -3.569 | 9.701 | |
| | | | SU | - | -8.932 | -10.369 | 3.419 | |
| | 134 | 5670 | 26T | 0 | -2.863 | -3.385 | 9.894 | |
| | | | | 9 | -2.558 | -3.055 | 10.211 | |
| | | | | 17 | -3.193 | -3.329 | 9.750 | |
| | | | SU | - | -9.339 | -10.003 | 3.352 | |
| HE80 | 106 | 5530 | 26T | 0 | -2.965 | -4.120 | 9.506 | |
| | | | | 18 | -2.806 | -3.934 | 9.677 | |
| | | | | 36 | -3.129 | -4.208 | 9.375 | |
| | | | SU | - | -13.405 | -14.492 | -0.904 | |
| | 122 | 5610 | 26T | 0 | -3.140 | -3.695 | 9.602 | |
| | | | | 18 | -2.976 | -3.891 | 9.601 | |
| | | | | 36 | -3.888 | -3.770 | 9.182 | |
| | | | SU | - | -13.349 | -14.270 | -0.775 | |

* Calculation of PPSD result : Total Corr'd PPSD = Ant1 PPSD + Ant2 PPSD + Duty CF [dB] + Corr'd factor [dB]

## 10.2.21. 802.11ax 2Tx (MIMO) MODE STRADDLE CHANNEL

### Bandwidth and Antenna Gain, Limits

| Frequency [MHz] | Portion | Min 26 dB BW [MHz] | Directional Gain [dBi] | Power Limit [dBm] | PPSD Limit |
|---|---|---|---|---|---|
| 5720(HE20) | UNII-2C | 14.024 | -3.36 | 22.47 | 11.00 [dBm/MHz] |
| | UNII-3 | 4.182 | -4.10 | 30.00 | 30.00 [dBm/500kHz] |
| 5710(HE40) | UNII-2C | 32.364 | -3.36 | 24.00 | 11.00 [dBm/MHz] |
| | UNII-3 | 2.152 | -4.10 | 30.00 | 30.00 [dBm/500kHz] |
| 5690(HE80) | UNII-2C | 74.068 | -3.36 | 24.00 | 11.00 [dBm/MHz] |
| | UNII-3 | 4.630 | -4.10 | 30.00 | 30.00 [dBm/500kHz] |

| Included in Calculations of Corr'd Power & PPSD | | | | |
|---|---|---|---|---|
| Duty Cycle CF [dB] | HE20 | 26T | 0.00 | dB |
| | | SU | 0.00 | dB |
| | HE40 | 26T | 0.00 | dB |
| | | SU | 0.00 | dB |
| | HE80 | 26T | 0.00 | dB |
| | | SU | 0.00 | dB |

### Output Power Results

| Frequency [MHz] | Portion | Tones | RU offset | Meas Power [dBm] | | Total Corr'd Power [dBm] | Power Limit [dBm] |
|---|---|---|---|---|---|---|---|
| | | | | ANT1 | ANT2 | | |
| 5720 | UNII-2C | 26T | 6 | 8.823 | 7.907 | 11.399 | 22.47 |
| | | SU | - | 14.786 | 13.871 | 17.363 | |
| | UNII-3 | 26T | 6 | 2.860 | 2.092 | 5.503 | 30.00 |
| | | SU | - | 9.005 | 8.136 | 11.602 | |
| 5710 | UNII-2C | 26T | 15 | 9.690 | 9.073 | 12.403 | 24.00 |
| | | SU | - | 14.194 | 13.514 | 16.878 | |
| | UNII-3 | 26T | 15 | -3.412 | -4.142 | -0.751 | 30.00 |
| | | SU | - | 3.584 | 3.084 | 6.351 | |
| 5690 | UNII-2C | 26T | 34 | 8.513 | 8.359 | 11.447 | 24.00 |
| | | SU | - | 13.635 | 12.868 | 16.279 | |
| | UNII-3 | 26T | 34 | -4.348 | -4.797 | -1.556 | 30.00 |
| | | SU | - | -0.769 | -1.234 | 2.015 | |

* Calculation of Output Power : Total Corr'd Power = Ant1 Power + Ant2 Power + Duty CF [dB]

## PPSD Results

| Frequency [MHz] | Portion | Tones | RU offset | Meas PPSD [dBm/MHz] | | Total Corr'd PPSD [dBm/MHz] | PPSD Limit [dBm/MHz] |
|---|---|---|---|---|---|---|---|
| | | | | ANT1 | ANT2 | | |
| 5720 | UNII-2C | 26T | 6 | 7.978 | 7.308 | 10.666 | 11.00 |
| | | SU | - | 6.314 | 4.295 | 8.431 | |
| | *UNII-3 | 26T | 6 | 5.466 | 3.867 | 7.750 | 30.00 |
| | | SU | - | 2.316 | 0.759 | 4.617 | |
| 5710 | UNII-2C | 26T | 15 | 7.990 | 7.774 | 10.894 | 11.00 |
| | | SU | - | 1.605 | 0.926 | 4.289 | |
| | *UNII-3 | 26T | 15 | -2.164 | -3.167 | 0.374 | 30.00 |
| | | SU | - | -1.376 | -4.457 | 0.361 | |
| 5690 | UNII-2C | 26T | 34 | 7.522 | 6.955 | 10.258 | 11.00 |
| | | SU | - | -1.902 | -3.878 | 0.232 | |
| | *UNII-3 | 26T | 34 | -2.410 | -3.259 | 0.197 | 30.00 |
| | | SU | - | -7.297 | -8.653 | -4.912 | |

Note: * For UNII-3, the unit of PPSD is [dBm/500kHz].
Calculation of PPSD result : Total Corr'd PPSD = Ant1 PPSD + Ant2 PPSD + Duty CF [dB] + Corr'd factor [dB]

## 10.2.22. 802.11ax 2Tx (MIMO) MODE 5.8 GHz BAND

**Bandwidth and Antenna Gain, Limits**

| Mode | Channel | Frequency [MHz] | Directional Gain [dBi] | Power Limit [dBm] | PPSD Limit [dBm/500kHz] |
|---|---|---|---|---|---|
| HE20 | Low | 5745 | -4.10 | 30.00 | 30.00 |
| | Mid | 5785 | | | |
| | High | 5825 | | | |
| HE40 | Low | 5755 | | | |
| | High | 5795 | | | |
| HE80 | Mid | 5775 | | | |

| Included in Calculations of Corr'd [Power & PPSD] | | | | |
|---|---|---|---|---|
| Duty Cycle CF [dB] | HE20 | 26T | 0.00 | dB |
| | | 52T | 0.00 | dB |
| | | 106T | 0.00 | dB |
| | | SU | 0.00 | dB |
| | HE40 | 26T | 0.00 | dB |
| | | 52T | 0.00 | dB |
| | | 106T | 0.00 | dB |
| | | 242T | 0.00 | dB |
| | | SU | 0.00 | dB |
| | HE80 | 26T | 0.00 | dB |
| | | 52T | 0.00 | dB |
| | | 106T | 0.00 | dB |
| | | 242T | 0.00 | dB |
| | | 484T | 0.00 | dB |
| | | SU | 0.00 | dB |

**Output Power Results**

| Mode | Channel | Frequency [MHz] | Tones | RU offset | Meas Power [dBm] | | Total Corr'd Power [dBm] | Power Limit [dBm] |
|---|---|---|---|---|---|---|---|---|
| | | | | | ANT1 | ANT2 | | |
| HE20 | 149 | 5745 | 26T | 0 | 9.68 | 9.37 | 12.54 | 30.00 |
| | | | | 4 | 9.74 | 9.43 | 12.60 | |
| | | | | 8 | 9.60 | 9.31 | 12.47 | |
| | | | 52T | 37 | 11.54 | 11.33 | 14.45 | |
| | | | | 38 | 11.65 | 11.45 | 14.56 | |
| | | | | 40 | 11.50 | 11.33 | 14.43 | |
| | | | 106T | 53 | 12.22 | 12.07 | 15.16 | |
| | | | | 54 | 12.16 | 12.03 | 15.11 | |
| | | | SU | - | 15.48 | 15.14 | 18.32 | |
| | 157 | 5785 | 26T | 0 | 9.72 | 9.46 | 12.60 | |
| | | | | 4 | 9.76 | 9.53 | 12.66 | |
| | | | | 8 | 9.62 | 9.41 | 12.53 | |
| | | | 52T | 37 | 11.55 | 11.42 | 14.50 | |
| | | | | 38 | 11.64 | 11.55 | 14.61 | |
| | | | | 40 | 11.48 | 11.41 | 14.46 | |
| | | | 106T | 53 | 12.24 | 12.14 | 15.20 | |
| | | | | 54 | 12.19 | 12.13 | 15.17 | |
| | | | SU | - | 15.48 | 15.20 | 18.35 | |
| | 165 | 5825 | 26T | 0 | 9.20 | 8.60 | 11.92 | |
| | | | | 4 | 9.24 | 8.66 | 11.97 | |
| | | | | 8 | 9.06 | 8.53 | 11.81 | |
| | | | 52T | 37 | 11.10 | 10.60 | 13.87 | |
| | | | | 38 | 11.16 | 10.72 | 13.96 | |
| | | | | 40 | 10.99 | 10.57 | 13.80 | |
| | | | 106T | 53 | 12.30 | 11.99 | 15.16 | |
| | | | | 54 | 12.23 | 11.96 | 15.11 | |
| | | | SU | - | 15.69 | 15.11 | 18.42 | |

* Calculation of Output Power : Total Corr'd Power = Ant1 Power + Ant2 Power + Duty CF [dB]

| Mode | Channel | Frequency [MHz] | Tones | RU offset | Meas Power [dBm] | | Total Corr'd Power [dBm] | Power Limit [dBm] |
|---|---|---|---|---|---|---|---|---|
| | | | | | ANT1 | ANT2 | | |
| HE40 | 151 | 5755 | 26T | 0 | 9.42 | 8.73 | 12.10 | 30.00 |
| | | | | 9 | 9.87 | 9.21 | 12.56 | |
| | | | | 17 | 9.26 | 8.60 | 11.95 | |
| | | | 52T | 37 | 11.22 | 10.72 | 13.99 | |
| | | | | 41 | 11.61 | 11.15 | 14.40 | |
| | | | | 44 | 11.09 | 10.70 | 13.91 | |
| | | | 106T | 53 | 12.02 | 11.62 | 14.83 | |
| | | | | 54 | 12.27 | 11.86 | 15.08 | |
| | | | | 56 | 11.90 | 11.53 | 14.73 | |
| | | | 242T | 61 | 13.16 | 12.60 | 15.90 | |
| | | | | 62 | 13.08 | 12.53 | 15.82 | |
| | | | SU | - | 14.51 | 13.96 | 17.25 | |
| | 159 | 5795 | 26T | 0 | 9.44 | 8.74 | 12.11 | |
| | | | | 9 | 9.85 | 9.19 | 12.54 | |
| | | | | 17 | 9.19 | 8.61 | 11.92 | |
| | | | 52T | 37 | 11.34 | 10.80 | 14.09 | |
| | | | | 41 | 11.68 | 11.22 | 14.47 | |
| | | | | 44 | 11.15 | 10.75 | 13.96 | |
| | | | 106T | 53 | 12.15 | 11.70 | 14.94 | |
| | | | | 54 | 12.36 | 11.94 | 15.17 | |
| | | | | 56 | 11.96 | 11.62 | 14.80 | |
| | | | 242T | 61 | 13.23 | 12.67 | 15.97 | |
| | | | | 62 | 13.12 | 12.60 | 15.88 | |
| | | | SU | - | 14.63 | 13.98 | 17.33 | |
| HE80 | 155 | 5775 | 26T | 0 | 9.11 | 8.74 | 11.94 | |
| | | | | 18 | 9.50 | 9.24 | 12.38 | |
| | | | | 36 | 8.74 | 8.50 | 11.63 | |
| | | | 52T | 37 | 10.04 | 9.70 | 12.88 | |
| | | | | 45 | 10.41 | 10.17 | 13.30 | |
| | | | | 52 | 9.80 | 9.58 | 12.70 | |
| | | | 106T | 53 | 11.30 | 11.05 | 14.19 | |
| | | | | 57 | 11.56 | 11.39 | 14.49 | |
| | | | | 60 | 11.00 | 10.83 | 13.93 | |
| | | | 242T | 61 | 12.34 | 12.20 | 15.28 | |
| | | | | 62 | 12.50 | 12.42 | 15.47 | |
| | | | | 64 | 12.11 | 12.00 | 15.07 | |
| | | | 484T | 65 | 12.42 | 12.33 | 15.39 | |
| | | | | 66 | 12.27 | 12.19 | 15.24 | |
| | | | SU | - | 13.68 | 13.29 | 16.50 | |

* Calculation of Output Power : Total Corr'd Power = Ant1 Power + Ant2 Power + Duty CF [dB]

**PPSD Results**

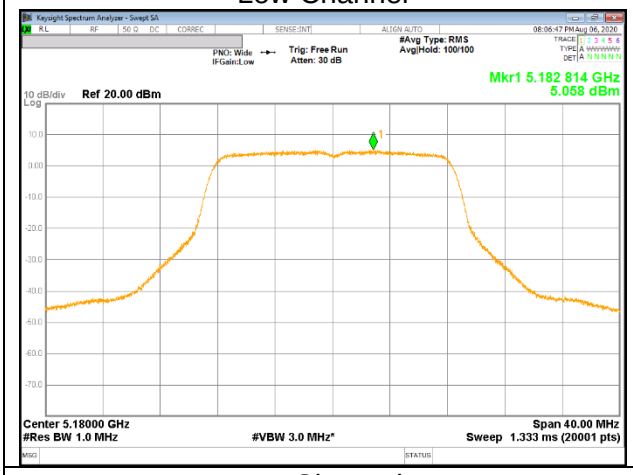
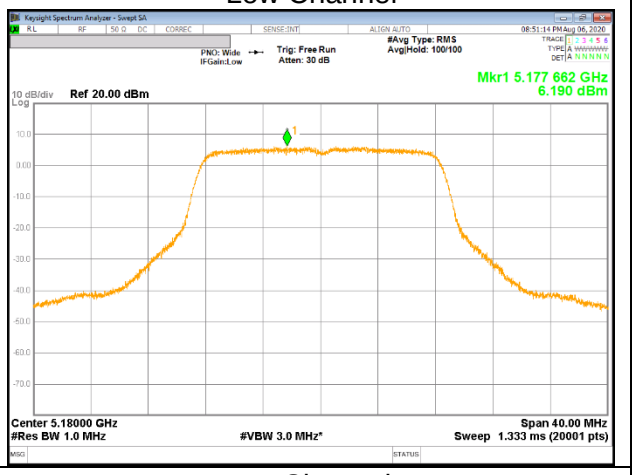
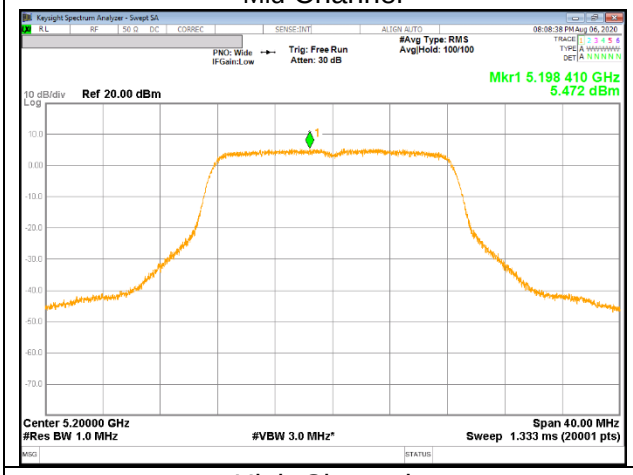
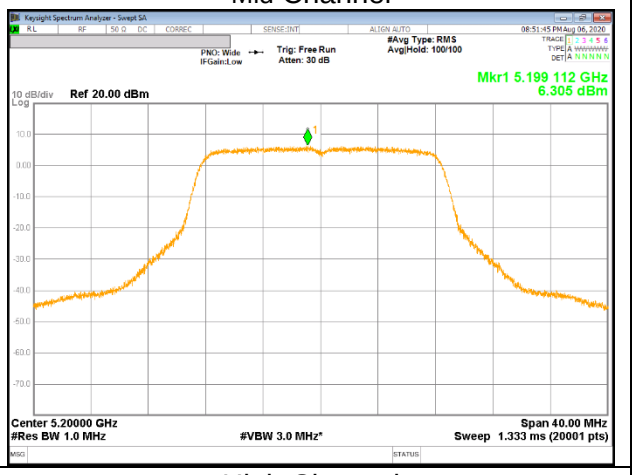
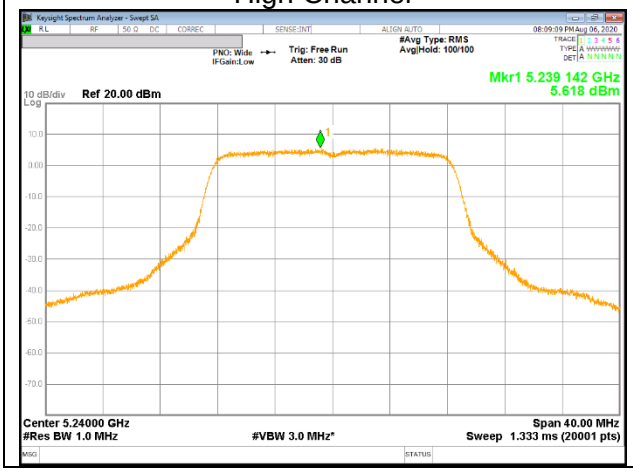
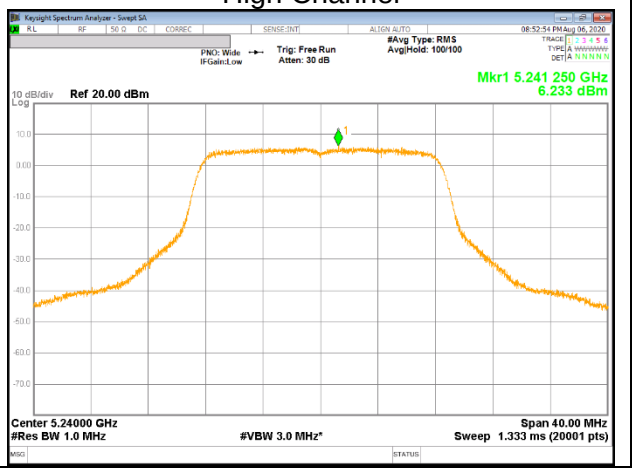
| Actual RBW | Ref. Bandwidth | Corr'd factor |
|---|---|---|
| 100 kHz | 500 kHz | 6.99 dB |

| Mode | Channel | Frequency [MHz] | Tones | RU offset | Meas PPSD [dBm/100kHz] | | Corr'd PPSD [dBm/500kHz] | PPSD Limit [dBm/ 500kHz] |
|---|---|---|---|---|---|---|---|---|
| | | | | | ANT1 | ANT2 | | |
| HE20 | 149 | 5745 | 26T | 0 | -2.862 | -3.493 | 6.834 | 30.00 |
| | | | | 4 | -2.444 | -3.636 | 7.001 | |
| | | | | 8 | -2.951 | -3.710 | 6.686 | |
| | | | SU | - | -5.361 | -6.235 | 4.224 | |
| | 157 | 5785 | 26T | 0 | -2.891 | -3.811 | 6.674 | |
| | | | | 4 | -3.076 | -3.508 | 6.714 | |
| | | | | 8 | -3.212 | -4.039 | 6.394 | |
| | | | SU | - | -5.460 | -6.251 | 4.163 | |
| | 165 | 5825 | 26T | 0 | -3.320 | -4.213 | 6.257 | |
| | | | | 4 | -2.990 | -4.267 | 6.419 | |
| | | | | 8 | -3.048 | -4.385 | 6.335 | |
| | | | SU | - | -5.986 | -6.758 | 3.645 | |
| HE40 | 151 | 5755 | 26T | 0 | -2.460 | -3.499 | 7.052 | |
| | | | | 9 | -1.998 | -3.255 | 7.419 | |
| | | | | 17 | -2.599 | -3.589 | 6.934 | |
| | | | SU | - | -9.350 | -10.349 | 0.179 | |
| | 159 | 5795 | 26T | 0 | -2.852 | -4.090 | 6.573 | |
| | | | | 9 | -2.465 | -3.391 | 7.097 | |
| | | | | 17 | -3.179 | -4.283 | 6.304 | |
| | | | SU | - | -9.781 | -10.339 | -0.051 | |
| HE80 | 155 | 5775 | 26T | 0 | -2.426 | -3.797 | 6.943 | |
| | | | | 18 | -2.813 | -4.051 | 6.612 | |
| | | | | 36 | -3.694 | -4.575 | 5.888 | |
| | | | SU | - | -13.033 | -14.382 | -3.655 | |

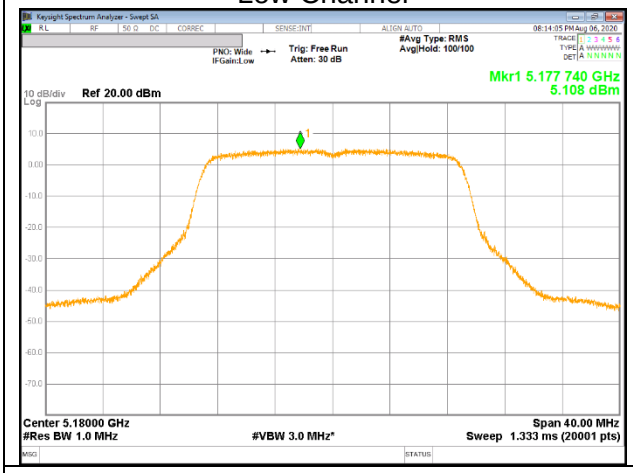
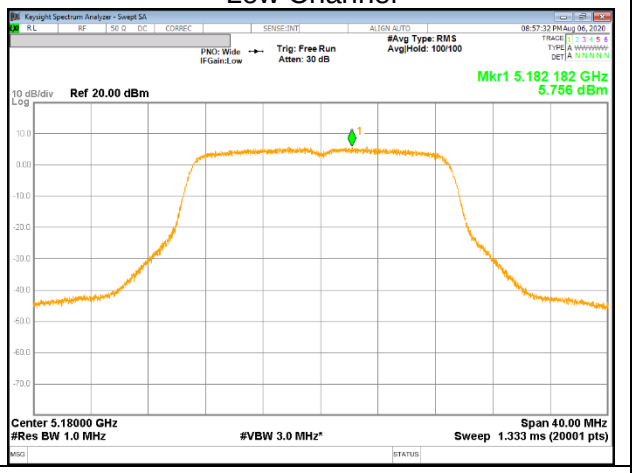
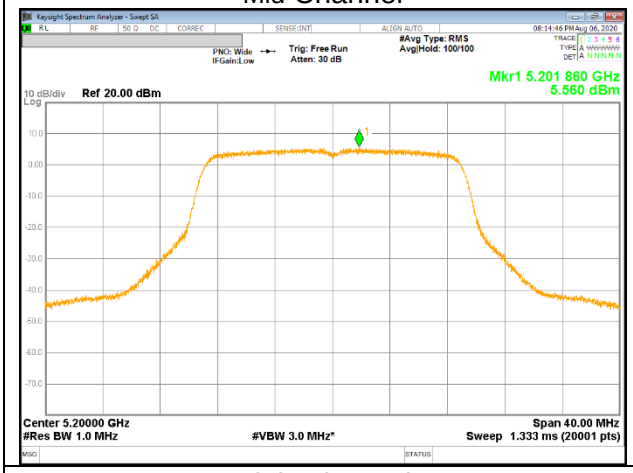
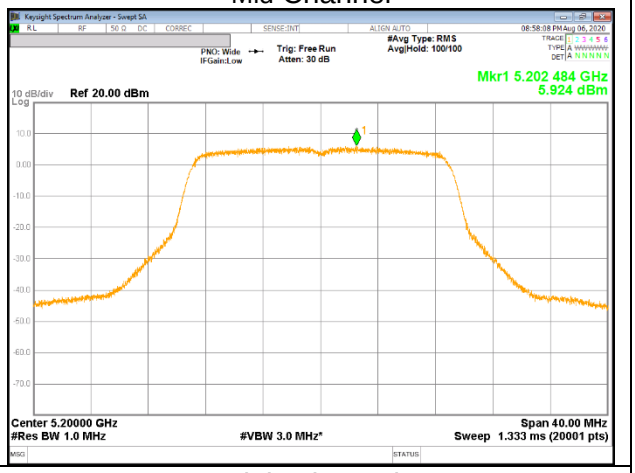
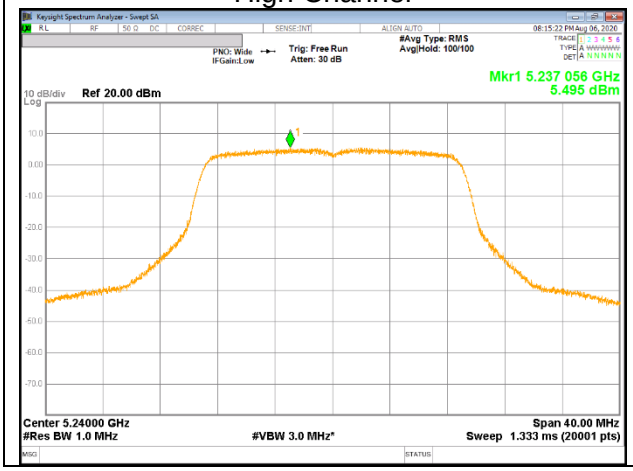
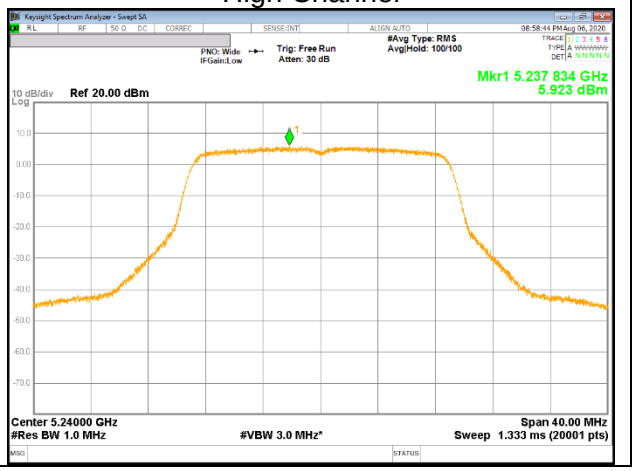
* Calculation of PPSD result : Total Corr'd PPSD = Ant1 PPSD + Ant2 PPSD + Duty CF [dB] + Corr'd factor [dB]

## 10.2.23. OUTPUT POWER AND PPSD PLOTS

## UNII 5.2 GHz IEEE 802.11a mode PSD

| ANT1 | ANT2 |
|---|---|
| Low Channel | Low Channel |
|  |  |
| Mid Channel | Mid Channel |
|  |  |
| High Channel | High Channel |
|  |  |

## UNII 5.2 GHz IEEE 802.11n HT20 mode PSD

| ANT1 | ANT2 |
|---|---|
| Low Channel | Low Channel |
|  |  |
| Mid Channel | Mid Channel |
|  |  |
| High Channel | High Channel |
|  |  |