

# FCC UNII REPORT

## Certification

**Applicant Name:**  
SAMSUNG Electronics Co., Ltd.

**Date of Issue:**  
December 14, 2021

**Address:**  
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**Test Site/Location:**  
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**Report No.:** HCT-RF-2112-FC006-R1

|                |                  |
|----------------|------------------|
| <b>FCC ID:</b> | <b>A3LSMX700</b> |
|----------------|------------------|

|                   |                                      |
|-------------------|--------------------------------------|
| <b>APPLICANT:</b> | <b>SAMSUNG Electronics Co., Ltd.</b> |
|-------------------|--------------------------------------|

|  |  |
|--|--|
| <b>According to the Evaluation report, all of the data contained herein is reused from the reference FCC ID : A3LSMX706B report.</b> |  |
|--|--|

**Model:** SM-X700

**EUT Type:** Tablet

**Modulation type** OFDMA

**FCC Classification:** Unlicensed National Information Infrastructure(NII)

**FCC Rule Part(s):** Part 15.407

**Engineering Statement:**

The measurements shown in this report were made in accordance with the procedures indicated, and the emissions from this equipment were found to be within the limits applicable. I assume full responsibility for the accuracy and completeness of these measurements, and for the qualifications of all persons taking them. It is further stated that upon the basis of the measurements made, the equipment tested is capable of operation in accordance with the requirements of the FCC Rules under normal use and maintenance.

Report No.: HCT-RF-2112-FC006-R1

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REVIEWED BY



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Report prepared by : Jeong Ho Kim  
Engineer of Telecommunication Testing Center

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Report approved by : Jong Seok Lee  
Manager of Telecommunication Testing Center

This test results were applied only to the test methods required by the standard.

This laboratory is not accredited for the test results marked \*.

The above Test Report is the accredited test result by (KS Q) ISO/IEC 17025 and KOLAS(Korea Laboratory Accreditation Scheme), which signed the ILAC-MRA. (HCT Accreditation No.: KT197)

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## Version

| TEST REPORT NO.      | DATE              | DESCRIPTION  |
|----------------------|-------------------|--|
| HCT-RF-2112-FC006    | December 01, 2021 | - First Approval Report  |
| HCT-RF-2112-FC006-R1 | December 14, 2021 | - Page 7. Antenna configurations revised<br>- Page 9. Add the sample calculation |

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## 1. GENERAL INFORMATION

### EUT DESCRIPTION

|                                    |   |  |
|------------------------------------|---|--|
| <b>Model</b>                       | SM-X700   |  |
| <b>Additional Model</b>            | -   |  |
| <b>EUT Type</b>                    | Tablet  |  |
| <b>Power Supply</b>                | DC 3.86 V                                       |  |
| <b>Modulation Type</b>             | OFDMA   |  |
| <b>Frequency Range (MHz)</b>       | U-NII-1   | 20 MHz BW : 5180 - 5240<br>40 MHz BW : 5190 - 5230<br>80 MHz BW : 5210<br>160 MHz BW : 5250        |
|                                    | U-NII-2A  | 20 MHz BW : 5260 - 5320<br>40 MHz BW : 5270 - 5310<br>80 MHz BW : 5290<br>160 MHz BW : 5250        |
|                                    | U-NII-2C  | 20 MHz BW : 5500 - 5720<br>40 MHz BW : 5510 - 5710<br>80 MHz BW : 5530 - 5690<br>160 MHz BW : 5570 |
|                                    | U-NII-3   | 20 MHz BW : 5745 - 5825<br>40 MHz BW : 5755 - 5795<br>80 MHz BW : 5775<br>160 MHz BW : 5815        |
|                                    | U-NII-4   | 20 MHz BW : 5845 - 5885<br>40 MHz BW : 5835 - 5875<br>80 MHz BW : 5855<br>160 MHz BW : 5815        |
| <b>Straddle channel</b>            | Supported                                       |  |
| <b>TDWR Band</b>                   | Supported                                       |  |
| <b>Dynamic Frequency Selection</b> | Slave without radar detection                   |  |
| <b>Date(s) of Tests</b>            | October 28, 2021 ~ November 30, 2021            |  |
| <b>Serial number</b>               | Radiated: R32R8005JJT<br>Conducted: R32R80056RR |  |

**ANTENNA CONFIGURATIONS**

| Configurations | SISO  |       | SDM           | CDD           |
|----------------|-------|-------|---------------|---------------|
|                | Ant.1 | Ant.2 | Ant.1 + Ant.2 | Ant.1 + Ant.2 |
| 802.11ax       | X     | X     | O             | O             |

**Note:**

- (1) O = Support, X = Not Support
- (2) SISO = Single Input Single Output
- (3) SDM = Spatial Diversity Multiplexing
- (4) CDD = Cyclic Delay Diversity
- (5) SISO test was performed for the MIMO test result.

2.This device supports simultaneous transmission operation, which allows for two channels to operate independent of one another in the 2.4 GHz and 5 GHz bands simultaneously on each antenna.

| RSDB Scenario  | 2.4 GHz WiFi Ant.1 | 2.4 GHz WiFi Ant.2 | 5 GHz WiFi Ant.1 | 5 GHz WiFi Ant.2 | 6 GHz WiFi Ant.1 | 6 GHz WiFi Ant.2 | Bluetooth Ant.1 | Bluetooth Ant.2 | Test case     |
|--|--------------------|--------------------|------------------|------------------|------------------|------------------|-----------------|-----------------|---------------|
| 2.4 GHz WiFi MIMO + 6 GHz WiFi MIMO                    | on                 | on                 |                  |                  | on               | on               |                 |                 |               |
| 2.4 GHz WiFi MIMO + 5 GHz WiFi MIMO                    | on                 | on                 | on               | on               |                  |                  |                 |                 | <u>Case 1</u> |
| Bluetooth ANT.1 + 2.4 GHz WiFi ANT.2 + 5 GHz WiFi MIMO |                    | on                 | on               | on               |                  |                  | on              |                 |               |
| Bluetooth ANT.1 + 2.4 GHz WiFi ANT.2 + 6 GHz WiFi MIMO |                    | on                 |                  |                  | on               | on               | on              |                 |               |

| Non-DBS                           | 2.4 GHz WiFi Ant.1 | 2.4 GHz WiFi Ant.2 | 5 GHz WiFi Ant.1 | 5 GHz WiFi Ant.2 | 6 GHz WiFi Ant.1 | 6 GHz WiFi Ant.2 | Bluetooth Ant.1 | Bluetooth Ant.2 | Test case     |
|-----------------------------------|--------------------|--------------------|------------------|------------------|------------------|------------------|-----------------|-----------------|---------------|
| Bluetooth ANT.2 + 6 GHz WiFi MIMO |                    |                    |                  |                  | on               | on               |                 | on              |               |
| Bluetooth ANT.2 + 5GHz WiFi MIMO  |                    |                    | on               | on               |                  |                  |                 | on              |               |
| Bluetooth ANT.1 + 6 GHz WiFi MIMO |                    |                    |                  |                  | on               | on               | on              |                 |               |
| Bluetooth ANT.1 + 5GHz WiFi MIMO  |                    |                    | on               | on               | -                | -                | on              | -               | <u>Case 2</u> |

### 3. Directional Gain Calculation

According to KDB 662911 D01 Multiple Transmitter Output v02r01 F) 2) f) (ii)

Directional gain =

$$DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$

| Band    | Ant Gain (dBi) |       | $N_{ANT} / N_{SS}$ | Directional Gain (dBi)     |
|---------|----------------|-------|--------------------|----------------------------|
| UNII 1  | ANT1           | -5.25 | 2 / 2              | CDD : -3.69<br>SDM : -5.25 |
|         | ANT2           | -8.44 |                    |                            |
| UNII 2A | ANT1           | -4.84 | 2 / 2              | CDD : -3.29<br>SDM : -4.84 |
|         | ANT2           | -8.06 |                    |                            |
| UNII 2C | ANT1           | -5.08 | 2 / 2              | CDD : -3.28<br>SDM : -5.08 |
|         | ANT2           | -7.69 |                    |                            |
| UNII 3  | ANT1           | -5.62 | 2 / 2              | CDD : -3.86<br>SDM : -5.62 |
|         | ANT2           | -8.32 |                    |                            |
| UNII 4  | ANT1           | -5.50 | 2 / 2              | CDD : -3.52<br>SDM : -5.50 |
|         | ANT2           | -7.70 |                    |                            |

#### Sample Calculation

$$Directional\ Gain = 10 \cdot \log \left( \frac{10^{(ANT1\ Gain/20)} + 10^{(ANT2\ Gain/20)}}{2} \right) \text{ dBi}$$

## 2. MAXIMUM OUTPUT POWER

The transmitter has a maximum total conducted average output power as follows:

| Band       | Mode             | SUM                             |       |
|------------|------------------|---------------------------------|-------|
|            |                  | (MIMO Ant 1 + MIMO Ant 2) Power |       |
|            |                  | (dBm)                           | (W)   |
| UNII1      | 802.11ax (HE20)  | 20.04                           | 0.101 |
|            | 802.11ax (HE40)  | 19.14                           | 0.082 |
|            | 802.11ax (HE80)  | 17.44                           | 0.055 |
| UNII2A     | 802.11ax (HE20)  | 20.31                           | 0.107 |
|            | 802.11ax (HE40)  | 18.91                           | 0.078 |
|            | 802.11ax (HE80)  | 17.23                           | 0.053 |
| UNII 1&2A  | 802.11ax (HE160) | 16.93                           | 0.049 |
| UNII2C     | 802.11ax (HE20)  | 19.99                           | 0.100 |
|            | 802.11ax (HE40)  | 19.22                           | 0.084 |
|            | 802.11ax (HE80)  | 17.67                           | 0.059 |
| UNII 2A&2C | 802.11ax (HE160) | 16.90                           | 0.049 |
| UNII3      | 802.11ax (HE20)  | 13.93                           | 0.025 |
|            | 802.11ax (HE40)  | 14.12                           | 0.026 |
|            | 802.11ax (HE80)  | 13.44                           | 0.022 |
| UNII4      | 802.11ax (HE20)  | 14.31                           | 0.027 |
|            | 802.11ax (HE40)  | 14.07                           | 0.026 |
|            | 802.11ax (HE80)  | 14.05                           | 0.025 |
| UNII 4     | 802.11ax (HE160) | 13.93                           | 0.025 |

| Band   | Mode             | SUM                                  |       |
|--------|------------------|--------------------------------------|-------|
|        |                  | (MIMO Ant 1 + MIMO Ant 2) EIRP Power |       |
|        |                  | (dBm)                                | (W)   |
| UNII4  | 802.11ax (HE20)  | 10.79                                | 0.012 |
|        | 802.11ax (HE40)  | 10.55                                | 0.011 |
|        | 802.11ax (HE80)  | 10.53                                | 0.011 |
| UNII 4 | 802.11ax (HE160) | 10.41                                | 0.011 |

### 3. TEST METHODOLOGY

The measurement procedure described in FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01 dated December 14, 2017 entitled "Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices Part15, Subpart E" and ANSI C63.10(Version : 2013) 'the American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices' were used in the measurement. Additionally, for U-NII-4 band, use the following measurement procedure KDB 291074 U-NII-4 5.9 Band DR01-44460

### EUT CONFIGURATION

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner that intends to maximize its emission characteristics in a continuous normal application.

### EUT EXERCISE

The EUT was operated in the engineering mode to fix the Tx frequency that was for the purpose of the measurements. According to its specifications, the EUT must comply with the requirements of the Section 15.207, 15.209 and 15.407 under the FCC Rules Part 15 Subpart E.

### GENERAL TEST PROCEDURES

#### Conducted Emissions

The EUT is placed on the turntable, which is 0.8 m above ground plane. According to the requirements in Section 6.2 of ANSI C63.10. (Version :2013) Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz using CISPR Quasi-peak and average detector modes.

#### Radiated Emissions

The EUT is placed on a turn table, which is 0.8 m above ground plane below 1 GHz. Above 1 GHz with 1.5 m using absorbers between the EUT and receive antenna. The turntable shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3 m away from the receiving antenna, which varied from 1 m to 4 m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. In order to find out the max. emission, the relative positions of this hand-held transmitter (EUT) was rotated through three orthogonal axes according to the requirements in Section 6.6.5 of ANSI C63.10. (Version: 2013)

### DESCRIPTION OF TEST MODES

The EUT has been tested under operating condition. Test program used to control the EUT for staying in continuous transmitting and receiving mode is programmed.

#### **4. INSTRUMENT CALIBRATION**

The measuring equipment, which was utilized in performing the tests documented herein, has been calibrated in accordance with the manufacturer's recommendations for utilizing calibration equipment's, which is traceable to recognized national standards.

Especially, all antenna for measurement is calibrated in accordance with the requirements of C63.5 (Version : 2017).

#### **5. FACILITIES AND ACCREDITATIONS**

##### **5.1 FACILITIES**

The SAC(Semi-Anechoic Chamber) and conducted measurement facility used to collect the radiated data are located at the 74, Seoicheon-ro 578beon-gil, Majang-myeon, Icheon-si, Gyeonggi-do, 17383, Rep. of KOREA. The site is constructed in conformance with the requirements of ANSI C63.4. (Version :2014) and CISPR Publication 22.

Detailed description of test facility was submitted to the Commission and accepted dated April 02, 2018 (Registration Number: KR0032).

##### **5.2 EQUIPMENT**

Radiated emissions are measured with one or more of the following types of Linearly polarized antennas: tuned dipole, bi-conical, log periodic, bi-log, and/or ridged waveguide, horn. Spectrum analyzers with pre-selectors and quasi-peak detectors are used to perform radiated measurements.

Conducted emissions are measured with Line Impedance Stabilization Networks and EMI Test Receivers. Calibrated wideband preamplifiers, coaxial cables, and coaxial attenuators are also used for making measurements.

All receiving equipment conforms to CISPR Publication 16-1, "Radio Interference Measuring Apparatus and Measurement Methods."

#### **6. ANTENNA REQUIREMENTS**

**According to FCC 47 CFR §15.203, §15.407:**

"An intentional radiator antenna shall be designed to ensure that no antenna other than that furnished by the responsible party can be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section."

- (1) The antennas of this E.U.T are permanently attached.
- (2) The E.U.T Complies with the requirement of §15.203, §15.407

## 7. MEASUREMENT UNCERTAINTY

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI C63.10-2013.

All measurement uncertainty values are shown with a coverage factor of  $k = 2$  to indicate a 95 % level of confidence.

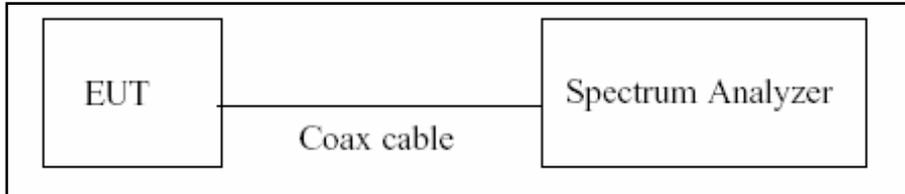
The measurement data shown herein meets or exceeds the  $U_{\text{CISPR}}$  measurement uncertainty values specified in CISPR 16-4-2 and, thus, can be compared directly to specified limits to determine compliance.

| Parameter                                | Expanded Uncertainty (dB)                   |
|--|---|
| Conducted Disturbance (150 kHz ~ 30 MHz) | 1.82 ( Confidence level about 95 %, $k=2$ ) |
| Radiated Disturbance (9 kHz ~ 30 MHz)    | 3.40 ( Confidence level about 95 %, $k=2$ ) |
| Radiated Disturbance (30 MHz ~ 1 GHz)    | 4.80 ( Confidence level about 95 %, $k=2$ ) |
| Radiated Disturbance (1 GHz ~ 18 GHz)    | 5.70 ( Confidence level about 95 %, $k=2$ ) |
| Radiated Disturbance (18 GHz ~ 40 GHz)   | 5.05 ( Confidence level about 95 %, $k=2$ ) |

## 8. DESCRIPTION OF TESTS

### 8.1. Duty Cycle

#### Test Configuration



#### Test Procedure

The transmitter output is connected to the Spectrum Analyzer.

We tested according to Procedure B.2 in KDB 789033 D02 v02r01.

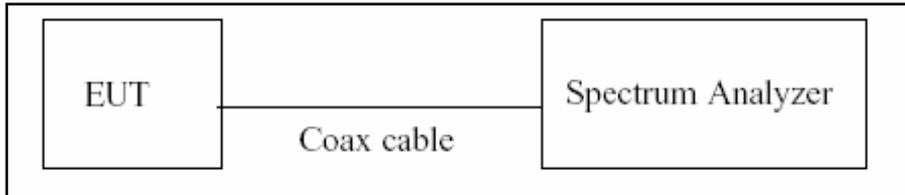
1. RBW = 8 MHz (the largest available value)
2. VBW = 8 MHz ( $\geq$  RBW)
3. SPAN = 0 Hz
4. Detector = Peak
5. Number of points in sweep > 100
6. Trace mode = Clear write
7. Measure  $T_{total}$  and  $T_{on}$
8. Calculate Duty Cycle =  $T_{on} / T_{total}$  and Duty Cycle Factor =  $10\log(1/\text{Duty Cycle})$

## 8.2. 6 dB Bandwidth & 26 dB Bandwidth

### Limit

Within the 5.725-5.85 GHz(NII-3) &5.85-5.925 GHz(NII-4) band, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.

### Test Configuration



### Test Procedure(26 dB Bandwidth)

The transmitter output is connected to the Spectrum Analyzer.

We tested according to Procedure C.1 in KDB 789033 D02 v02r01.

1. RBW = approximately 1 % of the emission bandwidth
2. VBW > RBW
3. Detector = Peak
4. Trace mode = Max Hold
5. Measure the maximum width of the emission that is 26 dB down from the maximum of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1 %.

### Test Procedure (6 dB Bandwidth)

The transmitter output is connected to the Spectrum Analyzer.

We tested according to Procedure C.2 in KDB 789033 D02 v02r01.

1. RBW = 100 kHz
2. VBW  $\geq 3 \times$  RBW
3. Detector = Peak
4. Trace mode = Max Hold
5. Allow the trace to stabilize
6. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points(upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

### Note:

1. We tested X dB bandwidth using the automatic bandwidth measurement capability of a spectrum analyzer.
2. DFS test channels should be defined. So, We performed the OBW test to prove that no part of the fundamental emissions of any channels belong to UNII1 and UNII3 band for DFS.
3. The 26 dB bandwidth is used to determine the conducted power limits.

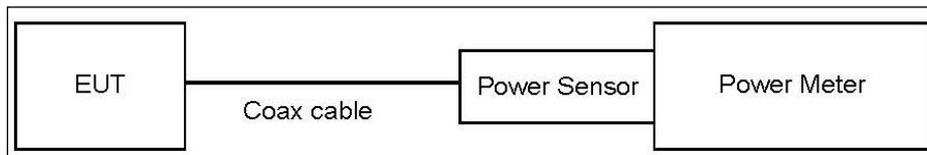
**8.3. Output Power Measurement**

**Limit**

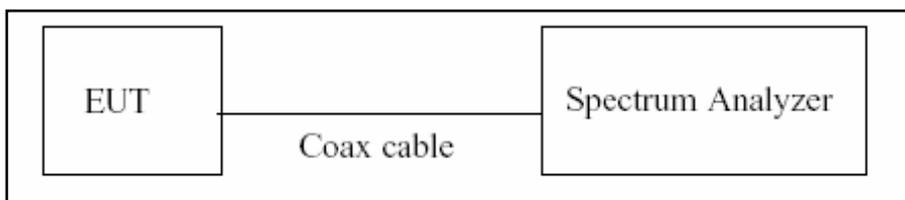
| Band        | Limit  |
|-------------|--|
| UNII 1      | - Master : Not exceed 1 W(=30 dBm)<br>- Slave : Not exceed 250 mW(=23.98 dBm)                                    |
| UNII 2A, 2C | Not exceed the lesser of 250 mW or 11 dBm + 10 log B,<br>(where B is the 26 dB emission bandwidth in megahertz.) |
| UNII 3      | Not exceed 1 W(=30 dBm)  |
| UNII 4      | EIRP 30 dBm  |

**Test Configuration**

Power Meter



Spectrum Analyzer(Only Straddle Channel)



**Test Procedure(Power Meter)**

We tested according to Procedure E.3.a in KDB 789033 D02 v02r01.

1. Measure the duty cycle.
2. Measure the average power of the transmitter. This measurement is an average over both the on and off periods of the transmitter.
3. Add 10 log (1/x), where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times.

**Test Procedure(Spectrum Analyzer)**

The transmitter output is connected to the Spectrum Analyzer.

We use the spectrum analyzer’s integrated band power measurement function.

We tested according to Procedure E.2.d) in KDB 789033 D02 v02r01.

1. Measure the duty cycle.
2. Set span to encompass the 26 dB EBW of the signal.
3. RBW = 1 MHz.
4. VBW ≥ 3 MHz.
5. Number of points in sweep ≥ 2 x span/RBW.
6. Sweep time = auto.
7. Detector = RMS.
8. Do not use sweep triggering. Allow the sweep to “free run”.
9. Trace average at least 100 traces in power averaging(RMS) mode
10. Integrated bandwidth = OBW
11. Add  $10\log(1/x)$ , where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times.

**Sample Calculation**

Total Power(dBm) = Measured Value(dBm) + ATT loss(dB) + Cable loss(dB) + Duty Cycle Factor(dB)

**Note**

1. Spectrum Measured Values are not plot data.

The power results in plot is already including the actual values of loss for the attenuator and cable combination.

2. Spectrum offset Attenuator loss(20 dB) + Cable loss + EUT Cable Loss

3. Actual value of loss for the attenuator and cable combination is below table.

| Band     | Loss(dB) |
|----------|----------|
| UNII 1   | 21.43    |
| UNII 2A  | 21.43    |
| UNII 2C  | 21.43    |
| UNII 3&4 | 21.43    |

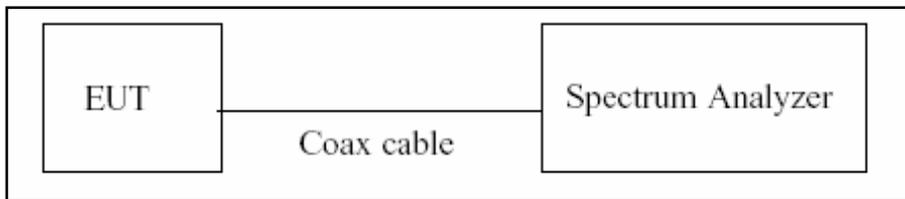
(Actual value of loss for the attenuator and cable combination)

### 8.4. Power Spectral Density

**Limit**

| Band        | Limit           |
|-------------|-----------------|
| UNII 1      | 11 dBm/MHz      |
| UNII 2A, 2C | 11 dBm/MHz      |
| UNII 3      | 30 dBm/500 kHz  |
| UNII 4      | EIRP 14 dBm/MHz |

**Test Configuration**



**Test Procedure**

We tested according to Procedure F in KDB 789033 D02 v02r01.

1. Set span to encompass the entire emission bandwidth(EBW) of the signal.
2. RBW = 1 MHz(510 kHz for UNII 3)
3. VBW ≥ 3 MHz
4. Number of points in sweep ≥ 2 x span/RBW.
5. Sweep time = auto.
6. Detector = RMS(i.e., power averaging), if available. Otherwise, use sample detector mode.
7. Do not use sweep triggering. Allow the sweep to “free run”.
8. Trace average at least 100 traces in power averaging(RMS) mode
9. Use the peak search function on the spectrum analyzer to find the peak of the spectrum.
10. If Method SA-2 was used, add  $10 \log(1/x)$ , where x is the duty cycle, to the peak of the spectrum.

**Sample Calculation**

Total PSD(dBm) = Measured Value(dBm) + ATT loss(dB) + Cable loss(dB) + Duty Cycle Factor(dB)

**Note**

1. Spectrum Measured Values are not plot data.

The PSD results in plot is already including the actual values of loss for the attenuator and cable combination.

2. Spectrum offset Attenuator loss(20 dB) + Cable loss + EUT Cable Loss

3. Actual value of loss for the attenuator and cable combination is below table.

| <b>Band</b> | <b>Loss(dB)</b> |
|-------------|-----------------|
| UNII 1      | 21.43           |
| UNII 2A     | 21.43           |
| UNII 2C     | 21.43           |
| UNII 3&4    | 21.43           |

(Actual value of loss for the attenuator and cable combination)

## 8.5. AC Power line Conducted Emissions

### Limit

For an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table, as measured using a 50  $\mu$ H/50 ohms line impedance stabilization network (LISN).

| Frequency Range (MHz) | Limits (dB $\mu$ V)     |                         |
|-----------------------|-------------------------|-------------------------|
|                       | Quasi-peak              | Average                 |
| 0.15 to 0.50          | 66 to 56 <sup>(a)</sup> | 56 to 46 <sup>(a)</sup> |
| 0.50 to 5             | 56                      | 46                      |
| 5 to 30               | 60                      | 50                      |

<sup>(a)</sup>Decreases with the logarithm of the frequency.

Compliance with this provision shall be based on the measurement of the radio frequency voltage between each power line (LINE and NEUTRAL) and ground at the power terminals.

### Test Configuration

See test photographs attached in Annex A for the actual connections between EUT and support equipment.

### Test Procedure

1. The EUT is placed on a wooden table 80 cm above the reference ground plane.
2. The EUT is connected via LISN to a test power supply.
3. The measurement results are obtained as described below:
4. Detectors : Quasi Peak and Average Detector.

### Sample Calculation

Quasi-peak(Final Result) = Measured Value + Correction Factor

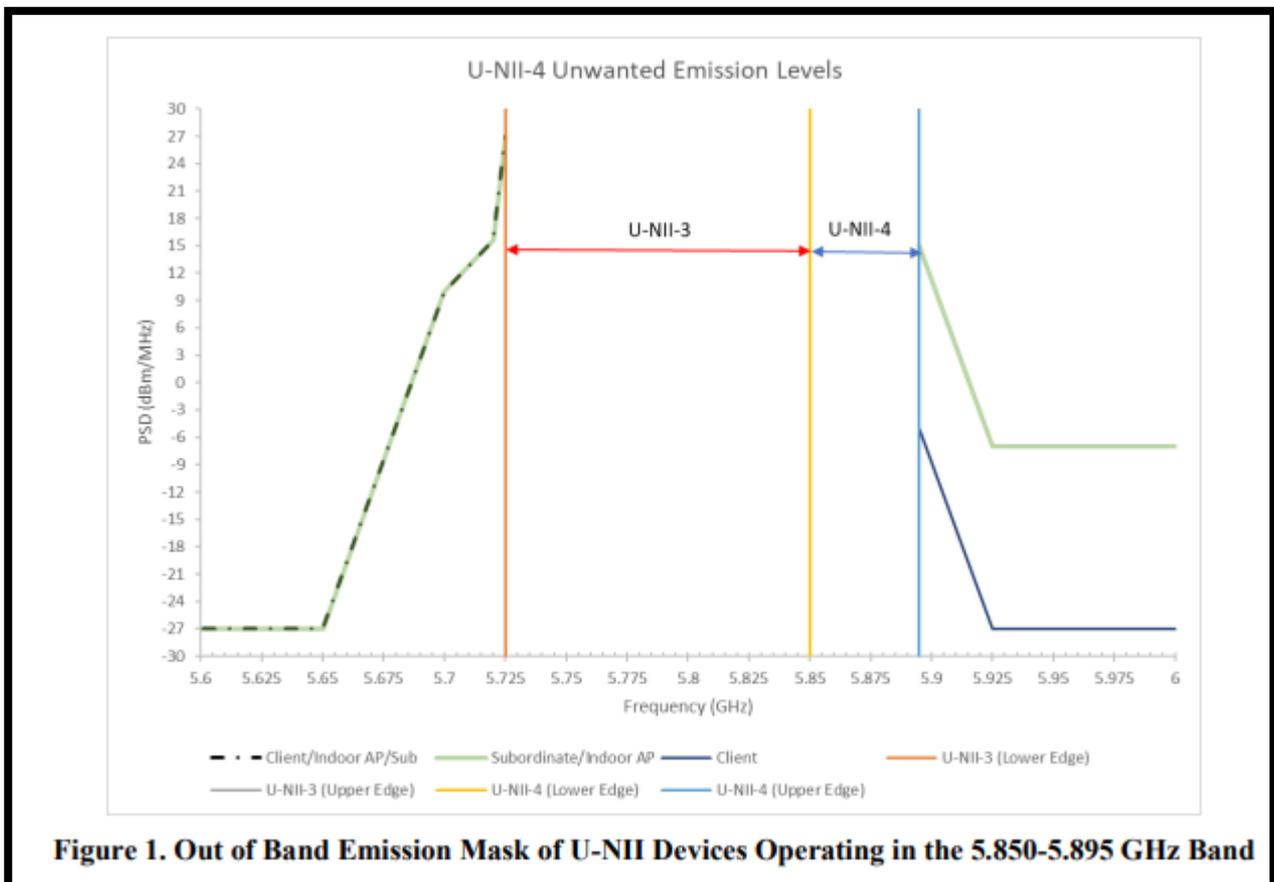
**8.6. Radiated Test**

**Limit**

1. UNII 1: All emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of -27 dBm/MHz.
2. UNII 2A, 2C: All emissions outside of the 5.47-5.725 GHz band shall not exceed an EIRP of -27 dBm/MHz.
3. UNII 3: All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.
4. UNII 4: [Low Channel O.O.B.E] measured with an Peak detector  
For a client device or indoor access point or subordinate device, all emissions below 5.725 GHz shall not exceed an e.i.r.p. of -27 dBm/MHz at 5.65 GHz increasing linearly to 10 dBm/MHz at 5.7 GHz, and from 5.7 GHz increasing linearly to a level of 15.6 dBm/MHz at 5.72 GHz, and from 5.72 GHz increasing linearly to a level of 27 dBm/MHz at 5.725 GHz.

[High Channel O.O.B.E] measured with an RMS detector

For a client device, all emissions at or above 5.895 GHz shall not exceed an e.i.r.p. of -5 dBm/MHz and shall decrease linearly to an e.i.r.p. of -27 dBm/MHz at or above 5.925 GHz.

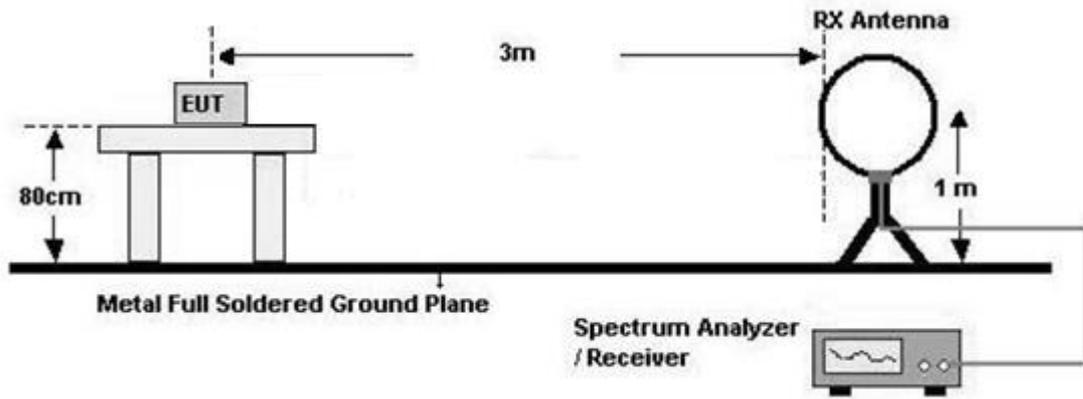


5. All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR must not exceed the limits shown in Section 15.209.

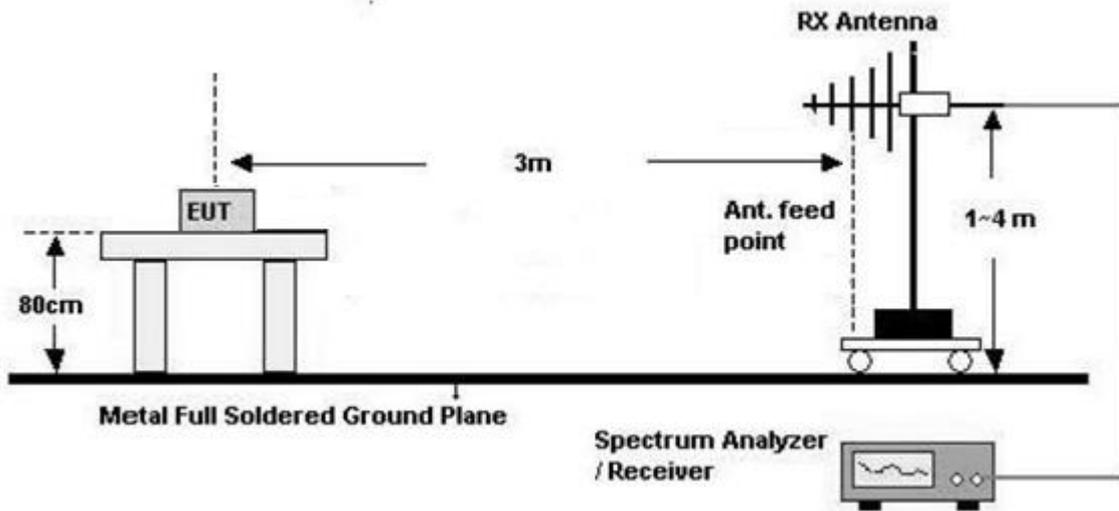
| Frequency (MHz) | Field Strength ( $\mu\text{V/m}$ ) | Measurement Distance (m) |
|-----------------|------------------------------------|--------------------------|
| 0.009 – 0.490   | 2400/F(kHz)                        | 300                      |
| 0.490 – 1.705   | 24000/F(kHz)                       | 30                       |
| 1.705 – 30      | 30                                 | 30                       |
| 30-88           | 100                                | 3                        |
| 88-216          | 150                                | 3                        |
| 216-960         | 200                                | 3                        |
| Above 960       | 500                                | 3                        |

**Test Configuration**

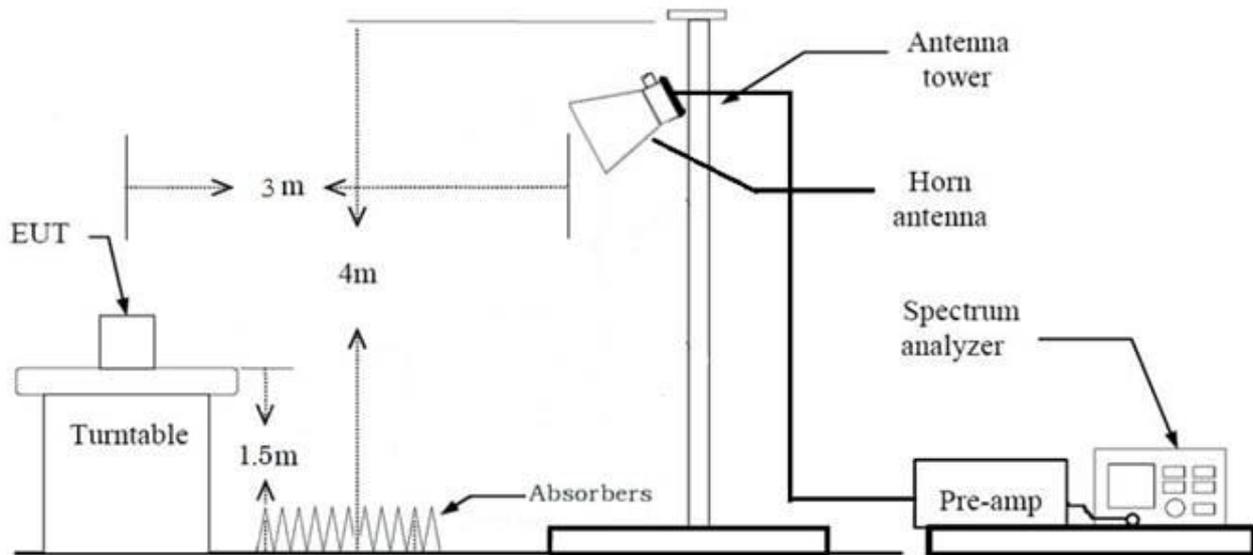
Below 30 MHz



30 MHz - 1 GHz



Above 1 GHz



**Test Procedure of Radiated spurious emissions(Below 30 MHz)**

1. The EUT was placed on a non-conductive table located on semi-anechoic chamber.
2. The loop antenna was placed at a location 3 m from the EUT
3. The EUT is placed on a turntable, which is 0.8 m above ground plane.
4. .We have done x, y, z planes in EUT and horizontal and vertical polarization and Parallel to the ground plane in detecting antenna.
5. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
6. Distance Correction Factor(0.009 MHz – 0.490 MHz) =  $40\log(3\text{ m}/300\text{ m}) = - 80\text{ dB}$   
Measurement Distance : 3 m
7. Distance Correction Factor(0.490 MHz – 30 MHz) =  $40\log(3\text{ m}/30\text{ m}) = - 40\text{ dB}$   
Measurement Distance : 3 m
8. Spectrum Setting
  - Frequency Range = 9 kHz ~ 30 MHz
  - Detector = Peak
  - Trace = Max Hold
  - RBW = 9 kHz
  - VBW ≥ 3 x RBW
9. Total = Measured Value + Antenna Factor(A.F) + Cable Loss(C.L) + Distance Factor(D.F)
10. Measurement value only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.

**KDB 414788 OFS and Chamber Correlation Justification**

Base on FCC 15.31 (f) (2): measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field.

OFS and chamber correlation testing had been performed and chamber measured test result is the worst case test result.

**Test Procedure of Radiated spurious emissions(Below 1 GHz)**

1. The EUT was placed on a non-conductive table located on semi-anechoic chamber.
2. The EUT is placed on a turntable, which is 0.8 m above ground plane.
3. The Hybrid antenna was placed at a location 3 m from the EUT, which is varied from 1 m to 4 m to find out the highest emissions.
4. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
5. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
6. Spectrum Setting
  - (1) Measurement Type(Peak):
    - Measured Frequency Range : 30 MHz – 1 GHz
    - Detector = Peak
    - Trace = Max Hold
    - RBW = 100 kHz
    - VBW  $\geq$  3 x RBW
  - (2) Measurement Type(Quasi-peak):
    - Measured Frequency Range : 30 MHz – 1 GHz
    - Detector = Quasi-Peak
    - RBW = 120 kHz
- ※ In general, (1) is used mainly
7. Total = Measured Value + Antenna Factor(A.F) + Cable Loss(C.L)
8. Measurement value only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.

**Test Procedure of Radiated spurious emissions (Above 1 GHz)**

1. The EUT is placed on a turntable, which is 1.5 m above ground plane.
2. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
3. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
4. EUT is set 3 m away from the receiving antenna, which is varied from 1 m to 4 m to find out the highest emissions.
5. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
6. Each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
7. The unit was tested with its standard battery.
8. Spectrum Setting

(1) Measurement Type (Peak, G.5 in KDB 789033 v02r01):

- RBW = 1 MHz
- VBW  $\geq$  3 MHz
- Detector = Peak
- Sweep Time = auto
- Trace mode = Max Hold
- Allow sweeps to continue until the trace stabilizes.

Note that if the transmission is not continuous, the time required for the trace to stabilize will increase by a factor of approximately  $1/x$ , where  $x$  is the duty cycle.

(2) Measurement Type (Average, G.6.d in KDB 789033 v02r01):

- RBW = 1 MHz
- VBW(Duty cycle  $\geq$  98 percent) = VBW  $\leq$  RBW/100(i.e., 10 kHz) but not less than 10 Hz.
- VBW(Duty cycle is < 98 percent) = VBW  $\geq$   $1/T$ , where  $T$  is the minimum transmission duration.
- The analyzer is set to linear detector mode.
- Detector = Peak.
- Sweep time = auto.
- Trace mode = Max Hold.
- Allow Max Hold to run for at least 50 traces if the transmitted signal is continuous or has at least 98 percent duty cycle. For lower duty cycles, increase the minimum number of traces by a factor of  $1/x$ , where  $x$  is the duty cycle.

9. Measurement value only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor
10. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency
11. Distance extrapolation factor =  $20\log(\text{test distance} / \text{specific distance})$  (dB)
12. Total = Measured Value + Antenna Factor(A.F) + Cable Loss(C.L) - Amp Gain(G) + Distance Factor(D.F)

### **Test Procedure of Radiated Restricted Band Edge**

1. The EUT is placed on a turntable, which is 1.5 m above ground plane.
2. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
3. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
4. EUT is set 3 m away from the receiving antenna, which is varied from 1 m to 4 m to find out the highest emissions.
5. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
6. Each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
7. The unit was tested with its standard battery.
8. Spectrum Setting

(1) Measurement Type(Peak, G.5 in KDB 789033 v02r01):

- RBW = 1 MHz
- VBW  $\geq$  3 MHz
- Detector = Peak
- Sweep Time = auto
- Trace mode = Max Hold
- Allow sweeps to continue until the trace stabilizes.

Note that if the transmission is not continuous, the time required for the trace to stabilize will increase by a factor of approximately  $1/x$ , where x is the duty cycle.

(2) Measurement Type(Average, G.6.d in KDB 789033 v02r01):

- RBW = 1 MHz
- VBW(Duty cycle  $\geq$  98 percent) =  $VBW \leq RBW/100$ (i.e., 10 kHz) but not less than 10 Hz.
- VBW(Duty cycle is < 98 percent) =  $VBW \geq 1/T$ , where T is the minimum transmission duration.
- The analyzer is set to linear detector mode.
- Detector = Peak.
- Sweep time = auto.
- Trace mode = Max Hold.
- Allow Max Hold to run for at least 50 traces if the transmitted signal is continuous or has at least 98 percent duty cycle. For lower duty cycles, increase the minimum number of traces by a factor of  $1/x$ , where x is the duty cycle.

9. Measured Frequency Range :

- 4 500 MHz ~ 5 150 MHz
- 5 350 MHz ~ 5 460 MHz
- 5 460 MHz ~ 5 470 MHz
- (75 MHz or more below the 5 725 MHz) ~ 5 725 MHz
- 5 850 MHz ~ (75 MHz or more above the 5 850 MHz)

10. Distance extrapolation factor =  $20\log(\text{test distance} / \text{specific distance})$  (dB)

11. Total = Measured Value + Antenna Factor(A.F) + Cable Loss(C.L) - Amp Gain(A.G) + Attenuator(ATT)  
+ Distance Factor(D.F)

**The actual setting value of VBW**

| Mode            | Tone | Worst Data rate (Mbps) | Duty Cycle | Duty Cycle Factor (dB) | VBW (1/T) (kHz) | The actual setting value of VBW (Hz) |
|-----------------|------|------------------------|------------|------------------------|-----------------|--------------------------------------|
| 802.11ax (HE20) | 26   | MCS 0                  | 0.993      | 0.03                   | 0.385           | 1000                                 |
|                 | 52   | MCS 0                  | 0.992      | 0.03                   | 0.386           | 1000                                 |
|                 | 106  | MCS 0                  | 0.994      | 0.03                   | 0.410           | 1000                                 |
|                 | 242  | MCS 0                  | 0.993      | 0.03                   | 0.419           | 1000                                 |
|                 | SU   | MCS 0                  | 0.994      | 0.03                   | 0.419           | 1000                                 |
| 802.11ax (HE40) | 26   | MCS 0                  | 0.994      | 0.03                   | 0.385           | 1000                                 |
|                 | 52   | MCS 0                  | 0.994      | 0.03                   | 0.385           | 1000                                 |
|                 | 106  | MCS 0                  | 0.994      | 0.03                   | 0.410           | 1000                                 |
|                 | 242  | MCS 0                  | 0.993      | 0.03                   | 0.419           | 1000                                 |
|                 | 484  | MCS 0                  | 0.993      | 0.03                   | 0.419           | 1000                                 |
|                 | SU   | MCS 0                  | 0.993      | 0.03                   | 0.419           | 1000                                 |
| 802.11ax (HE80) | 26   | MCS 0                  | 0.993      | 0.03                   | 0.385           | 1000                                 |
|                 | 52   | MCS 0                  | 0.993      | 0.03                   | 0.386           | 1000                                 |
|                 | 106  | MCS 0                  | 0.994      | 0.03                   | 0.410           | 1000                                 |
|                 | 242  | MCS 0                  | 0.994      | 0.03                   | 0.419           | 1000                                 |
|                 | 484  | MCS 0                  | 0.994      | 0.03                   | 0.419           | 1000                                 |
|                 | 996  | MCS 0                  | 0.994      | 0.03                   | 0.413           | 1000                                 |
|                 | SU   | MCS 0                  | 0.994      | 0.03                   | 0.413           | 1000                                 |

**8.7. Test RU offset for Tones**

| BW<br>(MHz) | Tones<br>(T) | RU offset | Test RU offset |     |      |
|-------------|--------------|-----------|----------------|-----|------|
|             |              |           | Low            | Mid | High |
| 20          | 26           | 0~8       | 0              | 4   | 8    |
|             | 52           | 37~40     | 37             | 38  | 40   |
|             | 106          | 53~54     | 53             | -   | 54   |
|             | 242          | 61        | -              | 61  | -    |
| 40          | 26           | 0~17      | 0              | 9   | 17   |
|             | 52           | 37~44     | 37             | 41  | 44   |
|             | 106          | 53~56     | 53             | 54  | 56   |
|             | 242          | 61~62     | 61             | -   | 62   |
|             | 484          | 65        | -              | 65  | -    |
| 80          | 26           | 0~36      | 0              | 18  | 36   |
|             | 52           | 37~52     | 37             | 45  | 52   |
|             | 106          | 53~60     | 53             | 57  | 60   |
|             | 242          | 61~64     | 61             | 62  | 64   |
|             | 484          | 65~66     | 65             | -   | 66   |
|             | 996          | 67        | -              | 67  | -    |

### 8.8. Worst case configuration and mode

#### Conducted test

- All data rate of operation were investigated and the worst case results are reported.
  - HE20, HE40, HE80: MCS0

#### Radiated test

- Full RU(Resource Unit) mode and SU(Single Unit) mode have no difference in physical waveform.  
This Report has been described only Full RU mode with worst output power
- All modes of operation were investigated and the worst case configuration results are reported.
  - Mode : Stand alone, Stand alone + External accessories(Earphone, Keyboard, etc)
  - Worstcase : Stand alone
- EUT Axis
  - Radiated Spurious Emissions : X
  - Radiated Restricted Band Edge : X, Z
- All data rate of operation were investigated and the worst case results are reported.  
(Worst case : MCS0)
- All Antenna of operation were investigated and the worst case results are reported
  - Mode : Ant1+Ant2(SDM), Ant1+Ant2(CDD)
  - Worstcase : Ant1+Ant2(CDD)
- All position of loop antenna were investigated and the test result is a no critical peak found at all positions.
  - Position : Horizontal, Vertical, Parallel to the ground plane
- All mode(Tone, RU Offset) of operation were investigated and the worst case configuration results are reported

| Test  | Tone  | RU Offset  |
|---|---|--|
| RSE   | [HE 20] Worst case(Highest Power) : SU                              | -  |
|   | [HE40] Additional Tone: SU  | -  |
|   | [HE80] Additional Tone: SU  |  |
| [HE160] Additional Tone: SU                               |   |  |
| Bandedge<br>(UNII1,2A,2C)                                 | [HE 20] Worst case(Highest Power) : 242T                            | [HE 20] Mid 61                                     |
|   | [HE 40] Worst case(Highest Power) : 242T                            | [HE 40] Mid 61                                     |
|   | [HE 80] Worst case(Highest Power) : 242T                            | [HE 80] Mid 61                                     |
|   | [HE 20] Additional Tone: 26T, 52T, 106T, SU                         | [HE20] Low Edge: 0, 37, 53<br>High Edge: 8, 40, 54 |
| [HE 40] Additional Tone: 26T, 52T, 106T, 484, SU          | [HE40] Low Edge: 0, 37, 53, 61<br>High Edge: 17, 44, 56, 62         |  |
| [HE 80] Additional Tone: 26T, 52T, 106T, 484T, 996T<br>SU | [HE80] Low Edge: 0, 37, 53, 61, 65<br>High Edge: 36, 52, 60, 64, 66 |  |

|   |   |  |
|---|---|--|
| <p>Bandedge<br/>(Straddle,<br/>UNII3)</p> | <p>[HE 20] Worst case(Highest Power) : 242T<br/>[HE 40] Worst case(Highest Power) : 484T<br/>[HE 80] Worst case(Highest Power) : 996T</p>   | <p>[HE 20] Mid 61<br/>[HE 40] Mid 65<br/>[HE 80] Mid 67</p>  |
| <p>O.O.B.E<br/>(UNII4)</p>                | <p>Low Channel O.O.B.E<br/>[HE 20] Worst case(Highest Power) : 242T, SU<br/>[HE 40] Worst case(Highest Power) : 242T, 484T, SU<br/>[HE 80] Worst case(Highest Power) : 242T, 996T, SU<br/><br/>High Channel O.O.B.E<br/>[HE 20/40/80] Worst case<br/>(Highest Power &amp; steep Band mask) : ALL High Tone<br/>check (26T, 52T, 106T, 242T, 484T, 996T, SU)</p> | <p>[HE 20] Mid 61<br/>[HE 40] Mid 65<br/>[HE 80] Mid 67<br/><br/>[HE20] High Edge: 8, 40, 54<br/>[HE40] High Edge: 17, 44, 56, 62<br/>[HE80] High Edge: 36, 52, 60, 64, 66</p> |

**Radiated test(DBS)**

1. All modes of operation were investigated and the worst case configuration results are reported.

- Mode : Stand alone, Stand alone + External accessories(Earphone, Keyboard, etc)
- Worstcase : Stand alone

2. EUT Axis

- Radiated Spurious Emissions : Y, Z

3. Test case

| <b>RSDB Scenario</b>   | <b>2.4 GHz<br/>WiFi<br/>Ant.1</b> | <b>2.4 GHz<br/>WiFi<br/>Ant.2</b> | <b>5 GHz<br/>WiFi<br/>Ant.1</b> | <b>5 GHz<br/>WiFi<br/>Ant.2</b> | <b>6 GHz<br/>WiFi<br/>Ant.1</b> | <b>6 GHz<br/>WiFi<br/>Ant.2</b> | <b>Bluetooth<br/>Ant.1</b> | <b>Bluetooth<br/>Ant.2</b> | <b>Test<br/>case</b> |
|--|-----------------------------------|-----------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|----------------------------|----------------------------|----------------------|
| 2.4 GHz WiFi MIMO +<br>6 GHz WiFi MIMO                       | on                                | on                                |                                 |                                 | on                              | on                              |                            |                            |                      |
| 2.4 GHz WiFi MIMO +<br>5 GHz WiFi MIMO                       | on                                | on                                | on                              | on                              |                                 |                                 |                            |                            | <u>Case 1</u>        |
| Bluetooth ANT.1 +<br>2.4 GHz WiFi ANT.2 +<br>5 GHz WiFi MIMO |                                   | on                                | on                              | on                              |                                 |                                 | on                         |                            |                      |
| Bluetooth ANT.1 +<br>2.4 GHz WiFi ANT.2 +<br>6 GHz WiFi MIMO |                                   | on                                |                                 |                                 | on                              | on                              | on                         |                            |                      |

| <b>Non-DBS</b>                       | <b>2.4 GHz<br/>WiFi<br/>Ant.1</b> | <b>2.4 GHz<br/>WiFi<br/>Ant.2</b> | <b>5 GHz<br/>WiFi<br/>Ant.1</b> | <b>5 GHz<br/>WiFi<br/>Ant.2</b> | <b>6 GHz<br/>WiFi<br/>Ant.1</b> | <b>6 GHz<br/>WiFi<br/>Ant.2</b> | <b>Bluetooth<br/>Ant.1</b> | <b>Bluetooth<br/>Ant.2</b> | <b>Test<br/>case</b> |
|--------------------------------------|-----------------------------------|-----------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|----------------------------|----------------------------|----------------------|
| Bluetooth ANT.2 +<br>6 GHz WiFi MIMO |                                   |                                   |                                 |                                 | on                              | on                              |                            | on                         |                      |
| Bluetooth ANT.2 +<br>5GHz WiFi MIMO  |                                   |                                   | on                              | on                              |                                 |                                 |                            | on                         |                      |
| Bluetooth ANT.1 +<br>6 GHz WiFi MIMO |                                   |                                   |                                 |                                 | on                              | on                              | on                         |                            |                      |
| Bluetooth ANT.1 +<br>5GHz WiFi MIMO  |                                   |                                   | on                              | on                              | -                               | -                               | on                         | -                          | <u>Case 2</u>        |

4. The following tables show the worst case configurations determined during testing.

(Worst case: The lowest margin condition the channels and modes were selected for test.)

(Test case 1,2 Result : Please refer to the SM-X700 [BT, UNII, DTS] Test Report.)

| Case | Description | 2.4GHz Emission | 5 GHz Emission |
|------|-------------|-----------------|----------------|
| 1    | Antenna     | Ant All         | Ant All        |
|      | Channel     | 6               | 36             |
|      | Data Rate   | 1 Mbps          | MCS 0          |
|      | Mode        | 802.11b         | 802.11n        |

| Case | Description | Bluetooth Emission | 5 GHz Emission |
|------|-------------|--------------------|----------------|
| 2    | Antenna     | ANT1               | Ant All        |
|      | Channel     | 39                 | 36             |
|      | Data Rate   | 1 Mbps             | MCS 0          |
|      | Mode        | GFSK               | 802.11n        |

**AC Power line Conducted Emissions**

1. Please refer to the SM-X700 [UNII] Test Report.

## 9. SUMMARY OF TEST RESULTS

| Test Description   | FCC Part Section(s)                                  | Test Limit  | Test Condition | Test Result |
|--|--|---|----------------|-------------|
| 26 dB Bandwidth  | §15.407 (for Power Measurement)                      | N/A   |                | PASS        |
| 6 dB Bandwidth   | §15.407(e)   | >500 kHz<br>(5725-5850 MHz)(UNII-3)<br>(5850-5895 MHz)(UNII-4)  |                | PASS        |
| Maximum Conducted Output Power   | §15.407(a)(1),(2),(3)                                | < 250 mW(5150-5250 MHz)<br>< 250 mW or 11+10log <sub>10</sub> (BW) dBm (5250-5350 MHz)<br>< 250 mW or 11+10log <sub>10</sub> (BW) dBm (5470-5725 MHz)<br><1 W (5725-5850 MHz) | Conducted      | PASS        |
| Maximum EIRP Output Power  | §15.407(a)(1)(3)(iii)                                | < EIRP 30dBm (5850-5925 MHz)  |                |             |
| Maximum Power Spectral Density   | §15.407(a)(1),(2),(3)                                | <11 dBm/ MHz (5150-5250 MHz)<br><11 dBm/ MHz (5250-5350 MHz)<br><11 dBm/ MHz (5470-5725 MHz)<br><30 dBm/500 kHz(5725-5850 MHz)<br>< EIRP 14 dBm/MHz(5850-5925 MHz)            |                | PASS        |
| AC Conducted Emissions 150 kHz-30 MHz  | 15.207<br>15.407(b)(8)                               | <FCC 15.207 limits  |                | PASS        |
| Undesirable Emissions  | §15.407(b)(1),(2),(3),(4)<br>§15.407(b)(5)(ii),(iii) | <-27 dBm/MHz EIRP (UNII1, 2A, 2C)<br>cf. Section 8.6 (UNII 3&4)   |                | PASS        |
| General Field Strength Limits(Restricted Bands and Radiated Emission Limits) | 15.205,<br>15.407(b)(9),(10)                         | Emissions in restricted bands must meet the radiated limits detailed in 15.209  | Radiated       | PASS        |

## 10. TEST RESULT

### 10.1 DUTY CYCLE

#### 802.11ax(HE20)

| Mode               | Tone (T) | Data Rate | On Time (ms) | Total Time (ms) | Duty Cycle | Duty Cycle Factor (dB) |
|--------------------|----------|-----------|--------------|-----------------|------------|------------------------|
| 802.11ax<br>(HE20) | 26       | MCS0      | 2.597        | 2.614           | 0.993      | 0.03                   |
|                    |          | MCS1      | 2.592        | 2.609           | 0.993      | 0.03                   |
|                    |          | MCS2      | 2.584        | 2.602           | 0.993      | 0.03                   |
|                    |          | MCS3      | 2.655        | 2.673           | 0.993      | 0.03                   |
|                    |          | MCS4      | 2.632        | 2.650           | 0.993      | 0.03                   |
|                    |          | MCS5      | 2.617        | 2.635           | 0.993      | 0.03                   |
|                    |          | MCS6      | 2.612        | 2.630           | 0.993      | 0.03                   |
|                    |          | MCS7      | 2.607        | 2.625           | 0.993      | 0.03                   |
|                    |          | MCS8      | 2.630        | 2.645           | 0.994      | 0.03                   |
|                    |          | MCS9      | 2.609        | 2.625           | 0.994      | 0.03                   |
|                    | 52       | MCS0      | 2.589        | 2.609           | 0.992      | 0.03                   |
|                    |          | MCS1      | 2.581        | 2.599           | 0.993      | 0.03                   |
|                    |          | MCS2      | 2.579        | 2.597           | 0.993      | 0.03                   |
|                    |          | MCS3      | 2.657        | 2.673           | 0.994      | 0.02                   |
|                    |          | MCS4      | 2.627        | 2.645           | 0.993      | 0.03                   |
|                    |          | MCS5      | 2.614        | 2.632           | 0.993      | 0.03                   |
|                    |          | MCS6      | 2.612        | 2.630           | 0.993      | 0.03                   |
|                    |          | MCS7      | 2.609        | 2.625           | 0.994      | 0.03                   |
|                    |          | MCS8      | 2.627        | 2.645           | 0.993      | 0.03                   |
|                    |          | MCS9      | 2.607        | 2.625           | 0.993      | 0.03                   |
|                    | 106      | MCS0      | 2.437        | 2.452           | 0.994      | 0.03                   |
|                    |          | MCS1      | 2.429        | 2.447           | 0.993      | 0.03                   |
|                    |          | MCS2      | 2.432        | 2.450           | 0.993      | 0.03                   |
|                    |          | MCS3      | 2.503        | 2.521           | 0.993      | 0.03                   |
|                    |          | MCS4      | 2.480        | 2.498           | 0.993      | 0.03                   |
|                    |          | MCS5      | 2.467        | 2.485           | 0.993      | 0.03                   |
|                    |          | MCS6      | 2.462        | 2.480           | 0.993      | 0.03                   |
|                    |          | MCS7      | 2.460        | 2.478           | 0.993      | 0.03                   |
|                    |          | MCS8      | 2.480        | 2.498           | 0.993      | 0.03                   |
|                    |          | MCS9      | 2.460        | 2.478           | 0.993      | 0.03                   |
| 242                | MCS0     | 2.386     | 2.404        | 0.993           | 0.03       |                        |

| Mode | Tone (T) | Data Rate | On Time (ms) | Total Time (ms) | Duty Cycle | Duty Cycle Factor (dB) |
|------|----------|-----------|--------------|-----------------|------------|------------------------|
|      |          | MCS1      | 2.384        | 2.402           | 0.993      | 0.03                   |
|      |          | MCS2      | 2.384        | 2.402           | 0.993      | 0.03                   |
|      |          | MCS3      | 2.455        | 2.473           | 0.993      | 0.03                   |
|      |          | MCS4      | 2.432        | 2.450           | 0.993      | 0.03                   |
|      |          | MCS5      | 2.414        | 2.432           | 0.993      | 0.03                   |
|      |          | MCS6      | 2.412        | 2.429           | 0.993      | 0.03                   |
|      |          | MCS7      | 2.409        | 2.424           | 0.994      | 0.03                   |
|      |          | MCS8      | 2.427        | 2.445           | 0.993      | 0.03                   |
|      |          | MCS9      | 2.409        | 2.424           | 0.994      | 0.03                   |
|      |          | MCS10     | 2.417        | 2.435           | 0.993      | 0.03                   |
|      |          | MCS11     | 2.409        | 2.424           | 0.994      | 0.03                   |

802.11ax(HE40)

| Mode           | Tone (T) | Data Rate | On Time (ms) | Total Time (ms) | Duty Cycle | Duty Cycle Factor (dB) |
|----------------|----------|-----------|--------------|-----------------|------------|------------------------|
| 802.11ax(HE40) | 26       | MCS0      | 2.597        | 2.612           | 0.994      | 0.03                   |
|                |          | MCS1      | 2.592        | 2.609           | 0.993      | 0.03                   |
|                |          | MCS2      | 2.584        | 2.602           | 0.993      | 0.03                   |
|                |          | MCS3      | 2.655        | 2.673           | 0.993      | 0.03                   |
|                |          | MCS4      | 2.630        | 2.647           | 0.993      | 0.03                   |
|                |          | MCS5      | 2.617        | 2.632           | 0.994      | 0.03                   |
|                |          | MCS6      | 2.612        | 2.630           | 0.993      | 0.03                   |
|                |          | MCS7      | 2.609        | 2.625           | 0.994      | 0.03                   |
|                |          | MCS8      | 2.630        | 2.645           | 0.994      | 0.03                   |
|                |          | MCS9      | 2.609        | 2.625           | 0.994      | 0.03                   |
|                | 52       | MCS0      | 2.594        | 2.609           | 0.994      | 0.03                   |
|                |          | MCS1      | 2.584        | 2.602           | 0.993      | 0.03                   |
|                |          | MCS2      | 2.581        | 2.597           | 0.994      | 0.03                   |
|                |          | MCS3      | 2.657        | 2.673           | 0.994      | 0.02                   |
|                |          | MCS4      | 2.627        | 2.645           | 0.993      | 0.03                   |
|                |          | MCS5      | 2.617        | 2.632           | 0.994      | 0.03                   |
|                |          | MCS6      | 2.612        | 2.630           | 0.993      | 0.03                   |
|                |          | MCS7      | 2.607        | 2.625           | 0.993      | 0.03                   |
|                |          | MCS8      | 2.630        | 2.645           | 0.994      | 0.03                   |
|                |          | MCS9      | 2.609        | 2.625           | 0.994      | 0.03                   |
|                | 106      | MCS0      | 2.437        | 2.452           | 0.994      | 0.03                   |
|                |          | MCS1      | 2.432        | 2.450           | 0.993      | 0.03                   |
|                |          | MCS2      | 2.432        | 2.450           | 0.993      | 0.03                   |
|                |          | MCS3      | 2.505        | 2.521           | 0.994      | 0.03                   |
|                |          | MCS4      | 2.480        | 2.495           | 0.994      | 0.03                   |
|                |          | MCS5      | 2.467        | 2.483           | 0.994      | 0.03                   |
|                |          | MCS6      | 2.462        | 2.480           | 0.993      | 0.03                   |
|                |          | MCS7      | 2.460        | 2.478           | 0.993      | 0.03                   |
|                |          | MCS8      | 2.480        | 2.495           | 0.994      | 0.03                   |
|                |          | MCS9      | 2.460        | 2.478           | 0.993      | 0.03                   |
|                | 242      | MCS0      | 2.386        | 2.404           | 0.993      | 0.03                   |
|                |          | MCS1      | 2.384        | 2.399           | 0.994      | 0.03                   |
|                |          | MCS2      | 2.384        | 2.402           | 0.993      | 0.03                   |
|                |          | MCS3      | 2.455        | 2.473           | 0.993      | 0.03                   |

| Mode | Tone (T) | Data Rate | On Time (ms) | Total Time (ms) | Duty Cycle | Duty Cycle Factor (dB) |
|------|----------|-----------|--------------|-----------------|------------|------------------------|
|      |          | MCS4      | 2.432        | 2.447           | 0.994      | 0.03                   |
|      |          | MCS5      | 2.417        | 2.432           | 0.994      | 0.03                   |
|      |          | MCS6      | 2.412        | 2.429           | 0.993      | 0.03                   |
|      |          | MCS7      | 2.409        | 2.424           | 0.994      | 0.03                   |
|      |          | MCS8      | 2.427        | 2.445           | 0.993      | 0.03                   |
|      |          | MCS9      | 2.409        | 2.424           | 0.994      | 0.03                   |
|      |          | MCS10     | 2.417        | 2.432           | 0.994      | 0.03                   |
|      |          | MCS11     | 2.407        | 2.424           | 0.993      | 0.03                   |
|      | 484      | MCS0      | 2.384        | 2.402           | 0.993      | 0.03                   |
|      |          | MCS1      | 2.455        | 2.473           | 0.993      | 0.03                   |
|      |          | MCS2      | 2.432        | 2.447           | 0.994      | 0.03                   |
|      |          | MCS3      | 2.417        | 2.432           | 0.994      | 0.03                   |
|      |          | MCS4      | 2.427        | 2.445           | 0.993      | 0.03                   |
|      |          | MCS5      | 2.412        | 2.427           | 0.994      | 0.03                   |
|      |          | MCS6      | 2.412        | 2.427           | 0.994      | 0.03                   |
|      |          | MCS7      | 2.419        | 2.435           | 0.994      | 0.03                   |
|      |          | MCS8      | 2.412        | 2.427           | 0.994      | 0.03                   |
|      |          | MCS9      | 2.417        | 2.432           | 0.994      | 0.03                   |
|      |          | MCS10     | 2.417        | 2.432           | 0.994      | 0.03                   |
|      |          | MCS11     | 2.414        | 2.432           | 0.993      | 0.03                   |

**802.11ax(HE80)**

| Mode               | Tone (T) | Data Rate | On Time (ms) | Total Time (ms) | Duty Cycle | Duty Cycle Factor (dB) |
|--------------------|----------|-----------|--------------|-----------------|------------|------------------------|
| 802.11ax<br>(HE80) | 26       | MCS0      | 2.594        | 2.612           | 0.993      | 0.03                   |
|                    |          | MCS1      | 2.592        | 2.609           | 0.993      | 0.03                   |
|                    |          | MCS2      | 2.581        | 2.599           | 0.993      | 0.03                   |
|                    |          | MCS3      | 2.655        | 2.673           | 0.993      | 0.03                   |
|                    |          | MCS4      | 2.632        | 2.647           | 0.994      | 0.03                   |
|                    |          | MCS5      | 2.617        | 2.632           | 0.994      | 0.03                   |
|                    |          | MCS6      | 2.612        | 2.630           | 0.993      | 0.03                   |
|                    |          | MCS7      | 2.607        | 2.625           | 0.993      | 0.03                   |
|                    |          | MCS8      | 2.630        | 2.645           | 0.994      | 0.03                   |
|                    |          | MCS9      | 2.607        | 2.625           | 0.993      | 0.03                   |
|                    | 52       | MCS0      | 2.592        | 2.609           | 0.993      | 0.03                   |
|                    |          | MCS1      | 2.584        | 2.599           | 0.994      | 0.03                   |
|                    |          | MCS2      | 2.579        | 2.597           | 0.993      | 0.03                   |
|                    |          | MCS3      | 2.655        | 2.670           | 0.994      | 0.02                   |
|                    |          | MCS4      | 2.627        | 2.642           | 0.994      | 0.03                   |
|                    |          | MCS5      | 2.617        | 2.632           | 0.994      | 0.03                   |
|                    |          | MCS6      | 2.612        | 2.627           | 0.994      | 0.03                   |
|                    |          | MCS7      | 2.607        | 2.625           | 0.993      | 0.03                   |
|                    |          | MCS8      | 2.630        | 2.645           | 0.994      | 0.03                   |
|                    |          | MCS9      | 2.609        | 2.625           | 0.994      | 0.03                   |
|                    | 106      | MCS0      | 2.437        | 2.452           | 0.994      | 0.03                   |
|                    |          | MCS1      | 2.429        | 2.447           | 0.993      | 0.03                   |
|                    |          | MCS2      | 2.432        | 2.450           | 0.993      | 0.03                   |
|                    |          | MCS3      | 2.503        | 2.518           | 0.994      | 0.03                   |
|                    |          | MCS4      | 2.480        | 2.495           | 0.994      | 0.03                   |
|                    |          | MCS5      | 2.470        | 2.485           | 0.994      | 0.03                   |
|                    |          | MCS6      | 2.465        | 2.480           | 0.994      | 0.03                   |
|                    |          | MCS7      | 2.460        | 2.475           | 0.994      | 0.03                   |
|                    |          | MCS8      | 2.480        | 2.495           | 0.994      | 0.03                   |
|                    |          | MCS9      | 2.460        | 2.475           | 0.994      | 0.03                   |
|                    | 242      | MCS0      | 2.389        | 2.404           | 0.994      | 0.03                   |
|                    |          | MCS1      | 2.384        | 2.399           | 0.994      | 0.03                   |
|                    |          | MCS2      | 2.384        | 2.399           | 0.994      | 0.03                   |

| Mode | Tone (T) | Data Rate | On Time (ms) | Total Time (ms) | Duty Cycle | Duty Cycle Factor (dB) |      |
|------|----------|-----------|--------------|-----------------|------------|------------------------|------|
|      |          | MCS3      | 2.455        | 2.473           | 0.993      | 0.03                   |      |
|      |          | MCS4      | 2.432        | 2.447           | 0.994      | 0.03                   |      |
|      |          | MCS5      | 2.414        | 2.429           | 0.994      | 0.03                   |      |
|      |          | MCS6      | 2.412        | 2.427           | 0.994      | 0.03                   |      |
|      |          | MCS7      | 2.409        | 2.424           | 0.994      | 0.03                   |      |
|      |          | MCS8      | 2.427        | 2.442           | 0.994      | 0.03                   |      |
|      |          | MCS9      | 2.407        | 2.424           | 0.993      | 0.03                   |      |
|      |          | MCS10     | 2.414        | 2.432           | 0.993      | 0.03                   |      |
|      |          | MCS11     | 2.409        | 2.424           | 0.994      | 0.03                   |      |
|      |          | 484       | MCS0         | 2.384           | 2.399      | 0.994                  | 0.03 |
|      |          |           | MCS1         | 2.455           | 2.470      | 0.994                  | 0.03 |
|      | MCS2     |           | 2.429        | 2.447           | 0.993      | 0.03                   |      |
|      | MCS3     |           | 2.414        | 2.432           | 0.993      | 0.03                   |      |
|      | MCS4     |           | 2.427        | 2.442           | 0.994      | 0.03                   |      |
|      | MCS5     |           | 2.412        | 2.427           | 0.994      | 0.03                   |      |
|      | MCS6     |           | 2.412        | 2.429           | 0.993      | 0.03                   |      |
|      | MCS7     |           | 2.419        | 2.435           | 0.994      | 0.03                   |      |
|      | MCS8     |           | 2.412        | 2.427           | 0.994      | 0.03                   |      |
|      | MCS9     |           | 2.414        | 2.432           | 0.993      | 0.03                   |      |
|      | MCS10    |           | 2.414        | 2.432           | 0.993      | 0.03                   |      |
|      | 996      | MCS0      | 2.419        | 2.435           | 0.994      | 0.03                   |      |
|      |          | MCS1      | 2.414        | 2.432           | 0.993      | 0.03                   |      |
|      |          | MCS2      | 2.417        | 2.432           | 0.994      | 0.03                   |      |
|      |          | MCS3      | 2.412        | 2.427           | 0.994      | 0.03                   |      |
|      |          | MCS4      | 2.412        | 2.427           | 0.994      | 0.03                   |      |
|      |          | MCS5      | 2.412        | 2.427           | 0.994      | 0.03                   |      |
|      |          | MCS6      | 2.412        | 2.427           | 0.994      | 0.03                   |      |
|      |          | MCS7      | 2.412        | 2.427           | 0.994      | 0.03                   |      |
|      |          | MCS8      | 2.414        | 2.429           | 0.994      | 0.03                   |      |
|      |          | MCS9      | 2.409        | 2.424           | 0.994      | 0.03                   |      |
|      |          | MCS10     | 2.412        | 2.427           | 0.994      | 0.03                   |      |
|      | MCS11    | 2.412     | 2.427        | 0.994           | 0.03       |                        |      |

| Mode          | BW    | Data Rate | On Time (ms) | Total Time (ms) | Duty Cycle | Duty Cycle Factor (dB) |
|---------------|-------|-----------|--------------|-----------------|------------|------------------------|
| 802.11ax (SU) | BW 20 | MCS0      | 2.389        | 2.404           | 0.994      | 0.03                   |
|               |       | MCS1      | 2.384        | 2.402           | 0.993      | 0.03                   |
|               |       | MCS2      | 2.384        | 2.402           | 0.993      | 0.03                   |
|               |       | MCS3      | 2.457        | 2.473           | 0.994      | 0.03                   |
|               |       | MCS4      | 2.432        | 2.450           | 0.993      | 0.03                   |
|               |       | MCS5      | 2.414        | 2.432           | 0.993      | 0.03                   |
|               |       | MCS6      | 2.412        | 2.429           | 0.993      | 0.03                   |
|               |       | MCS7      | 2.407        | 2.424           | 0.993      | 0.03                   |
|               |       | MCS8      | 2.427        | 2.445           | 0.993      | 0.03                   |
|               |       | MCS9      | 2.409        | 2.424           | 0.994      | 0.03                   |
|               |       | MCS10     | 2.417        | 2.435           | 0.993      | 0.03                   |
|               | MCS11 | 2.407     | 2.424        | 0.993           | 0.03       |                        |
|               | BW 40 | MCS0      | 2.384        | 2.402           | 0.993      | 0.03                   |
|               |       | MCS1      | 2.455        | 2.473           | 0.993      | 0.03                   |
|               |       | MCS2      | 2.432        | 2.450           | 0.993      | 0.03                   |
|               |       | MCS3      | 2.417        | 2.432           | 0.994      | 0.03                   |
|               |       | MCS4      | 2.427        | 2.445           | 0.993      | 0.03                   |
|               |       | MCS5      | 2.414        | 2.429           | 0.994      | 0.03                   |
|               |       | MCS6      | 2.412        | 2.429           | 0.993      | 0.03                   |
|               |       | MCS7      | 2.419        | 2.437           | 0.993      | 0.03                   |
|               |       | MCS8      | 2.412        | 2.427           | 0.994      | 0.03                   |
|               |       | MCS9      | 2.414        | 2.432           | 0.993      | 0.03                   |
|               |       | MCS10     | 2.417        | 2.432           | 0.994      | 0.03                   |
|               | MCS11 | 2.417     | 2.432        | 0.994           | 0.03       |                        |
|               | BW 80 | MCS0      | 2.419        | 2.435           | 0.994      | 0.03                   |
|               |       | MCS1      | 2.417        | 2.432           | 0.994      | 0.03                   |
|               |       | MCS2      | 2.417        | 2.432           | 0.994      | 0.03                   |
|               |       | MCS3      | 2.412        | 2.427           | 0.994      | 0.03                   |
|               |       | MCS4      | 2.412        | 2.427           | 0.994      | 0.03                   |
|               |       | MCS5      | 2.412        | 2.427           | 0.994      | 0.03                   |
|               |       | MCS6      | 2.412        | 2.427           | 0.994      | 0.03                   |
|               |       | MCS7      | 2.412        | 2.427           | 0.994      | 0.03                   |
|               |       | MCS8      | 2.414        | 2.429           | 0.994      | 0.03                   |
| MCS9          |       | 2.407     | 2.424        | 0.993           | 0.03       |                        |

| Mode | BW | Data Rate | On Time (ms) | Total Time (ms) | Duty Cycle | Duty Cycle Factor (dB) |
|------|----|-----------|--------------|-----------------|------------|------------------------|
|      |    | MCS10     | 2.412        | 2.427           | 0.994      | 0.03                   |
|      |    | MCS11     | 2.414        | 2.429           | 0.994      | 0.03                   |

| Mode     | BW        | Tone | Data Rate | On Time (ms) | Total Time (ms) | Duty Cycle | Duty Cycle Factor (dB) |
|----------|-----------|------|-----------|--------------|-----------------|------------|------------------------|
| 802.11ax | BW<br>160 | 26   | MCS0      | 5.057        | 5.102           | 0.991      | 0.04                   |
|          |           | 52   | MCS0      | 5.045        | 5.095           | 0.990      | 0.04                   |
|          |           | 106  | MCS0      | 4.737        | 4.783           | 0.990      | 0.04                   |
|          |           | 242  | MCS0      | 4.635        | 4.684           | 0.990      | 0.05                   |
|          |           | 484  | MCS0      | 4.658        | 4.677           | 0.996      | 0.02                   |
|          |           | 996  | MCS0      | 4.734        | 4.753           | 0.996      | 0.02                   |
|          |           | SU   | MCS0      | 5.444        | 5.463           | 0.997      | 0.02                   |

**Note:**

Duty cycle  $\geq$  98%  $\rightarrow$  Continuous Signal

## 10.2 26 dB BANDWIDTH

### 10.2.1 MIMO Ant1

Straddle channel data in the table below are for reporting purposes only.

Straddle channel data were added in section 10.6.1.

#### 802.11ax(HE20)

| HE20    | Frequency [MHz] | Channel No. | RU Index | 26 dB BW (MHz) |       |       |       |       |
|---------|-----------------|-------------|----------|----------------|-------|-------|-------|-------|
|         |                 |             |          | 26 T           | 52 T  | 106 T | 242 T | SU    |
| UNII 1  | 5180            | 36          | Low      | 20.64          | 20.60 | 21.84 | -     | -     |
|         |                 |             | Mid      | 18.81          | 19.61 | -     | 22.35 | 22.14 |
|         |                 |             | High     | 20.41          | 20.50 | 20.80 | -     | -     |
|         | 5200            | 40          | Low      | 20.56          | 21.18 | 21.80 | -     | -     |
|         |                 |             | Mid      | 18.74          | 19.33 | -     | 22.22 | 22.11 |
|         |                 |             | High     | 20.49          | 20.75 | 20.95 | -     | -     |
|         | 5240            | 48          | Low      | 20.63          | 20.69 | 21.66 | -     | -     |
|         |                 |             | Mid      | 18.77          | 19.31 | -     | 22.30 | 22.04 |
|         |                 |             | High     | 20.29          | 20.60 | 20.93 | -     | -     |
| UNII 2A | 5260            | 52          | Low      | 20.54          | 20.85 | 21.69 | -     | -     |
|         |                 |             | Mid      | 18.86          | 19.38 | -     | 23.09 | 22.27 |
|         |                 |             | High     | 20.27          | 20.34 | 20.96 | -     | -     |
|         | 5280            | 56          | Low      | 20.43          | 20.50 | 21.56 | -     | -     |
|         |                 |             | Mid      | 18.71          | 19.50 | -     | 22.27 | 22.19 |
|         |                 |             | High     | 20.67          | 20.31 | 20.95 | -     | -     |
|         | 5320            | 64          | Low      | 20.49          | 21.00 | 21.79 | -     | -     |
|         |                 |             | Mid      | 18.89          | 18.87 | -     | 22.23 | 23.37 |
|         |                 |             | High     | 20.26          | 20.50 | 20.98 | -     | -     |
| UNII 2C | 5500            | 100         | Low      | 20.55          | 20.88 | 21.67 | -     | -     |
|         |                 |             | Mid      | 18.84          | 19.53 | -     | 23.64 | 23.95 |
|         |                 |             | High     | 20.19          | 20.52 | 21.04 | -     | -     |
|         | 5580            | 116         | Low      | 20.63          | 20.91 | 21.84 | -     | -     |
|         |                 |             | Mid      | 18.84          | 19.23 | -     | 22.61 | 22.72 |
|         |                 |             | High     | 20.16          | 20.73 | 21.00 | -     | -     |
|         | 5720            | 144         | Low      | 20.52          | 20.65 | 21.76 | -     | -     |
|         |                 |             | Mid      | 18.61          | 19.49 | -     | 30.79 | 23.92 |
|         |                 |             | High     | 20.35          | 20.51 | 21.01 | -     | -     |

| HE20   | Frequency [MHz] | Channel No. | RU Index | 26 dB BW (MHz) |       |       |       |       |
|--------|-----------------|-------------|----------|----------------|-------|-------|-------|-------|
|        |                 |             |          | 26 T           | 52 T  | 106 T | 242 T | SU    |
| UNII 3 | 5745            | 149         | Low      | 20.57          | 20.92 | 21.82 | -     | -     |
|        |                 |             | Mid      | 18.72          | 19.41 | -     | 22.53 | 22.59 |
|        |                 |             | High     | 20.24          | 20.84 | 20.92 | -     | -     |
|        | 5785            | 157         | Low      | 20.59          | 20.65 | 21.84 | -     | -     |
|        |                 |             | Mid      | 18.56          | 19.36 | -     | 22.69 | 22.73 |
|        |                 |             | High     | 20.65          | 20.39 | 20.91 | -     | -     |
|        | 5825            | 165         | Low      | 20.55          | 20.81 | 21.70 | -     | -     |
|        |                 |             | Mid      | 18.58          | 19.42 | -     | 22.60 | 22.57 |
|        |                 |             | High     | 20.30          | 20.40 | 20.97 | -     | -     |
| UNII 4 | 5845            | 169         | Low      | 20.65          | 21.11 | 21.67 | -     | -     |
|        |                 |             | Mid      | 18.82          | 19.38 | -     | 22.37 | 22.53 |
|        |                 |             | High     | 20.79          | 20.54 | 21.25 | -     | -     |
|        | 5865            | 173         | Low      | 20.60          | 21.03 | 21.56 | -     | -     |
|        |                 |             | Mid      | 18.75          | 19.51 | -     | 22.56 | 22.55 |
|        |                 |             | High     | 20.57          | 20.51 | 21.56 | -     | -     |
|        | 5885            | 177         | Low      | 20.43          | 21.01 | 21.81 | -     | -     |
|        |                 |             | Mid      | 18.87          | 19.32 | -     | 22.85 | 22.60 |
|        |                 |             | High     | 20.39          | 20.50 | 21.03 | -     | -     |

## 802.11ax(HE40)

| HE40    | Frequency<br>[MHz] | Channel<br>No. | RU<br>Index | 26 dB BW(MHz) |       |       |       |       |       |
|---------|--------------------|----------------|-------------|---------------|-------|-------|-------|-------|-------|
|         |                    |                |             | 26 T          | 52 T  | 106 T | 242 T | 484 T | SU    |
| UNII 1  | 5190               | 38             | Low         | 40.70         | 40.51 | 41.12 | 41.66 | -     | -     |
|         |                    |                | Mid         | 38.27         | 38.63 | 38.93 | -     | 43.53 | 44.25 |
|         |                    |                | High        | 40.97         | 40.49 | 40.96 | 41.55 | -     | -     |
|         | 5230               | 46             | Low         | 40.55         | 40.35 | 41.16 | 41.74 | -     | -     |
|         |                    |                | Mid         | 38.31         | 38.67 | 38.93 | -     | 43.18 | 48.36 |
|         |                    |                | High        | 40.31         | 40.46 | 40.94 | 41.56 | -     | -     |
| UNII 2A | 5270               | 54             | Low         | 40.32         | 40.56 | 41.05 | 41.79 | -     | -     |
|         |                    |                | Mid         | 38.34         | 38.56 | 38.86 | -     | 44.41 | 48.15 |
|         |                    |                | High        | 40.38         | 40.36 | 40.92 | 41.61 | -     | -     |
|         | 5310               | 62             | Low         | 40.09         | 40.30 | 41.02 | 41.72 | -     | -     |
|         |                    |                | Mid         | 38.28         | 38.64 | 38.74 | -     | 44.33 | 50.30 |
|         |                    |                | High        | 40.41         | 40.51 | 41.03 | 41.44 | -     | -     |
| UNII 2C | 5510               | 102            | Low         | 40.19         | 40.58 | 41.32 | 41.60 | -     | -     |
|         |                    |                | Mid         | 38.36         | 38.67 | 38.85 | -     | 50.01 | 50.34 |
|         |                    |                | High        | 40.71         | 40.43 | 40.73 | 41.60 | -     | -     |
|         | 5550               | 110            | Low         | 40.61         | 40.40 | 41.22 | 41.54 | -     | -     |
|         |                    |                | Mid         | 38.29         | 38.43 | 38.78 | -     | 44.28 | 50.30 |
|         |                    |                | High        | 40.28         | 40.44 | 40.73 | 41.40 | -     | -     |
|         | 5710               | 142            | Low         | 40.41         | 40.43 | 40.98 | 41.37 | -     | -     |
|         |                    |                | Mid         | 38.35         | 38.65 | 38.86 | -     | 43.97 | 50.37 |
|         |                    |                | High        | 40.46         | 40.56 | 40.92 | 41.69 | -     | -     |
| UNII 3  | 5755               | 151            | Low         | 40.95         | 40.38 | 41.01 | 41.55 | -     | -     |
|         |                    |                | Mid         | 38.26         | 38.70 | 38.93 | -     | 43.38 | 48.32 |
|         |                    |                | High        | 40.14         | 40.54 | 41.05 | 41.48 | -     | -     |
|         | 5795               | 159            | Low         | 40.29         | 40.62 | 41.18 | 41.54 | -     | -     |
|         |                    |                | Mid         | 38.17         | 38.34 | 38.84 | -     | 43.56 | 48.34 |
|         |                    |                | High        | 40.10         | 40.45 | 41.11 | 41.77 | -     | -     |
| UNII 4  | 5835               | 167            | Low         | 40.75         | 40.32 | 41.00 | 41.18 | -     | -     |
|         |                    |                | Mid         | 38.44         | 38.52 | 38.83 | -     | 44.64 | 44.58 |
|         |                    |                | High        | 40.27         | 40.86 | 40.88 | 41.36 | -     | -     |
|         | 5875               | 175            | Low         | 40.27         | 40.65 | 41.05 | 41.15 | -     | -     |
|         |                    |                | Mid         | 38.25         | 38.65 | 38.73 | -     | 44.45 | 44.51 |
|         |                    |                | High        | 40.26         | 40.72 | 41.01 | 41.53 | -     | -     |

**802.11ax(HE80)**

| HE80    | Freq.<br>[MHz] | Channel<br>No. | RU<br>Index | 26 dB BW<br>(MHz) |       |       |       |       |       |       |
|---------|----------------|----------------|-------------|-------------------|-------|-------|-------|-------|-------|-------|
|         |                |                |             | 26 T              | 52 T  | 106 T | 242 T | 484 T | 996 T | SU    |
| UNII 1  | 5210           | 42             | Low         | 82.72             | 81.62 | 83.96 | 85.34 | 86.30 | -     | -     |
|         |                |                | Mid         | 78.56             | 78.98 | 79.38 | 80.65 | -     | 87.02 | 87.61 |
|         |                |                | High        | 81.71             | 81.82 | 82.56 | 84.28 | 85.16 | -     | -     |
| UNII 2A | 5290           | 58             | Low         | 81.54             | 81.52 | 83.12 | 84.38 | 85.78 | -     | -     |
|         |                |                | Mid         | 78.05             | 78.78 | 79.77 | 80.43 | -     | 87.70 | 86.57 |
|         |                |                | High        | 82.00             | 81.82 | 82.83 | 84.23 | 85.23 | -     | -     |
| UNII 2C | 5530           | 106            | Low         | 82.72             | 82.02 | 83.12 | 84.43 | 85.77 | -     | -     |
|         |                |                | Mid         | 78.39             | 78.84 | 79.55 | 79.63 | -     | 86.35 | 86.99 |
|         |                |                | High        | 81.38             | 81.88 | 83.07 | 83.44 | 84.99 | -     | -     |
|         | 5610           | 122            | Low         | 81.67             | 81.11 | 83.88 | 85.62 | 86.03 | -     | -     |
|         |                |                | Mid         | 78.34             | 78.86 | 79.21 | 80.21 | -     | 86.77 | 88.07 |
|         |                |                | High        | 81.20             | 81.84 | 82.54 | 83.46 | 85.23 | -     | -     |
|         | 5690           | 138            | Low         | 82.07             | 82.14 | 83.70 | 84.89 | 85.12 | -     | -     |
|         |                |                | Mid         | 78.62             | 78.46 | 79.40 | 80.24 | -     | 87.25 | 87.09 |
|         |                |                | High        | 81.78             | 81.61 | 82.46 | 83.97 | 84.95 | -     | -     |
| UNII 3  | 5775           | 155            | Low         | 82.44             | 82.25 | 83.63 | 85.47 | 85.54 | -     | -     |
|         |                |                | Mid         | 78.51             | 79.09 | 79.53 | 80.76 | -     | 87.56 | 87.11 |
|         |                |                | High        | 82.05             | 82.24 | 83.05 | 84.31 | 85.16 | -     | -     |
| UNII 4  | 5855           | 171            | Low         | 81.63             | 81.25 | 83.57 | 84.54 | 86.46 | -     | -     |
|         |                |                | Mid         | 78.47             | 78.70 | 79.37 | 81.17 | -     | 90.25 | 89.56 |
|         |                |                | High        | 81.32             | 82.42 | 82.68 | 83.75 | 84.73 | -     | -     |

**802.11ax(HE160)**

| HE160_80L  | Frequency [MHz] | Channel No. | RU Index | 26dB BW (MHz) |        |        |        |        |        |    |
|------------|-----------------|-------------|----------|---------------|--------|--------|--------|--------|--------|----|
|            |                 |             |          | 26 T          | 52 T   | 106 T  | 242 T  | 484 T  | 996 T  | SU |
| UNII 1&2A  | 5250            | 50          | Low      | 163.70        | 164.30 | 165.90 | 164.20 | 165.90 | -      | -  |
|            |                 |             | Mid      | 157.90        | 158.30 | 159.40 | 159.80 | -      | 167.50 | -  |
|            |                 |             | High     | 158.10        | 158.40 | 159.20 | 160.20 | 162.10 | -      | -  |
| UNII 2A-2C | 5570            | 114         | Low      | 163.50        | 164.60 | 166.10 | 164.70 | 168.50 | -      | -  |
|            |                 |             | Mid      | 157.90        | 158.60 | 159.60 | 160.60 | -      | 168.50 | -  |
|            |                 |             | High     | 157.00        | 158.20 | 159.60 | 160.20 | 162.90 | -      | -  |
| UNII 3&4   | 5815            | 163         | Low      | 163.62        | 163.98 | 165.21 | 165.39 | 166.09 | -      | -  |
|            |                 |             | Mid      | 157.82        | 158.83 | 159.19 | 160.34 | -      | 166.68 | -  |
|            |                 |             | High     | 157.60        | 158.96 | 158.82 | 159.83 | 161.34 | -      | -  |

| HE160_80U  | Frequency [MHz] | Channel No. | RU Index | 26dB BW (MHz) |        |        |        |        |        |    |
|------------|-----------------|-------------|----------|---------------|--------|--------|--------|--------|--------|----|
|            |                 |             |          | 26 T          | 52 T   | 106 T  | 242 T  | 484 T  | 996 T  | SU |
| UNII 1&2A  | 5250            | 50          | Low      | 157.70        | 157.30 | 159.40 | 160.10 | 162.80 | -      | -  |
|            |                 |             | Mid      | 158.10        | 157.80 | 158.30 | 159.20 | -      | 166.20 | -  |
|            |                 |             | High     | 163.60        | 163.80 | 164.10 | 162.90 | 166.80 | -      | -  |
| UNII 2A-2C | 5570            | 114         | Low      | 158.10        | 157.80 | 159.40 | 160.10 | 162.70 | -      | -  |
|            |                 |             | Mid      | 158.20        | 158.60 | 159.30 | 159.60 | -      | 166.60 | -  |
|            |                 |             | High     | 162.30        | 163.80 | 164.20 | 163.80 | 166.90 | -      | -  |
| UNII 3&4   | 5815            | 163         | Low      | 157.66        | 158.54 | 159.21 | 160.26 | 160.45 | -      | -  |
|            |                 |             | Mid      | 157.72        | 158.27 | 159.00 | 159.96 | -      | 166.11 | -  |
|            |                 |             | High     | 163.03        | 163.55 | 164.31 | 166.59 | 166.62 | -      | -  |

| HE160_SU   | Frequency [MHz] | Channel No. | 26dB BW (MHz) |
|------------|-----------------|-------------|---------------|
|            |                 |             | SU            |
| UNII 1&2A  | 5250            | 50          | 162.80        |
| UNII 2A-2C | 5570            | 114         | 163.80        |
| UNII 3&4   | 5815            | 163         | 162.63        |

**99% BANDWIDTH**

**802.11ax(HE20)**

| HE20    | Frequency [MHz] | Channel No. | RU Index | 99% BANDWIDTH (MHz) |        |        |        |        |
|---------|-----------------|-------------|----------|---------------------|--------|--------|--------|--------|
|         |                 |             |          | 26 T                | 52 T   | 106 T  | 242 T  | SU     |
| UNII 1  | 5180            | 36          | Low      | 18.581              | 18.324 | 18.384 | -      | -      |
|         |                 |             | Mid      | 17.280              | 17.379 | -      | 19.058 | 19.014 |
|         |                 |             | High     | 18.479              | 18.359 | 18.338 | -      | -      |
|         | 5200            | 40          | Low      | 18.592              | 18.350 | 18.370 | -      | -      |
|         |                 |             | Mid      | 17.329              | 17.286 | -      | 19.013 | 19.018 |
|         |                 |             | High     | 18.545              | 18.357 | 18.196 | -      | -      |
|         | 5240            | 48          | Low      | 18.526              | 18.329 | 18.396 | -      | -      |
|         |                 |             | Mid      | 17.317              | 17.307 | -      | 19.022 | 19.013 |
|         |                 |             | High     | 18.495              | 18.336 | 18.302 | -      | -      |
| UNII 2A | 5260            | 52          | Low      | 18.591              | 18.305 | 18.353 | -      | -      |
|         |                 |             | Mid      | 17.334              | 17.350 | -      | 19.037 | 19.032 |
|         |                 |             | High     | 18.418              | 18.354 | 18.286 | -      | -      |
|         | 5280            | 56          | Low      | 18.590              | 18.318 | 18.383 | -      | -      |
|         |                 |             | Mid      | 17.312              | 17.302 | -      | 19.016 | 19.021 |
|         |                 |             | High     | 18.673              | 18.325 | 18.329 | -      | -      |
|         | 5320            | 64          | Low      | 18.561              | 18.363 | 18.331 | -      | -      |
|         |                 |             | Mid      | 17.358              | 17.360 | -      | 19.018 | 19.032 |
|         |                 |             | High     | 18.486              | 18.341 | 18.305 | -      | -      |
| UNII 2C | 5500            | 100         | Low      | 18.590              | 18.352 | 18.382 | -      | -      |
|         |                 |             | Mid      | 17.347              | 17.341 | -      | 19.041 | 19.033 |
|         |                 |             | High     | 18.480              | 18.326 | 18.309 | -      | -      |
|         | 5580            | 116         | Low      | 18.519              | 18.341 | 18.417 | -      | -      |
|         |                 |             | Mid      | 17.334              | 17.353 | -      | 19.034 | 19.033 |
|         |                 |             | High     | 18.381              | 18.376 | 18.305 | -      | -      |
|         | 5720            | 144         | Low      | 18.609              | 18.338 | 18.397 | -      | -      |
|         |                 |             | Mid      | 17.317              | 17.363 | -      | 19.055 | 19.049 |
|         |                 |             | High     | 18.487              | 18.302 | 18.312 | -      | -      |
| UNII 3  | 5745            | 149         | Low      | 18.618              | 18.311 | 18.406 | -      | -      |
|         |                 |             | Mid      | 17.345              | 17.331 | -      | 19.026 | 19.038 |
|         |                 |             | High     | 18.464              | 18.373 | 18.322 | -      | -      |

| HE20   | Frequency [MHz] | Channel No. | RU Index | 99% BANDWIDTH (MHz) |        |        |        |        |
|--------|-----------------|-------------|----------|---------------------|--------|--------|--------|--------|
|        |                 |             |          | 26 T                | 52 T   | 106 T  | 242 T  | SU     |
|        | 5785            | 157         | Low      | 18.603              | 18.325 | 18.359 | -      | -      |
|        |                 |             | Mid      | 17.291              | 17.349 | -      | 19.023 | 19.030 |
|        |                 |             | High     | 18.655              | 18.326 | 18.336 | -      | -      |
|        | 5825            | 165         | Low      | 18.556              | 18.305 | 18.399 | -      | -      |
|        |                 |             | Mid      | 17.319              | 17.357 | -      | 19.026 | 19.029 |
|        |                 |             | High     | 18.467              | 18.316 | 18.330 | -      | -      |
| UNII 4 | 5845            | 169         | Low      | 18.602              | 18.333 | 18.373 | -      | -      |
|        |                 |             | Mid      | 17.310              | 17.333 | -      | 19.047 | 19.079 |
|        |                 |             | High     | 18.745              | 18.340 | 18.377 | -      | -      |
|        | 5865            | 173         | Low      | 18.546              | 18.306 | 18.383 | -      | -      |
|        |                 |             | Mid      | 17.335              | 17.339 | -      | 19.080 | 19.059 |
|        |                 |             | High     | 18.501              | 18.350 | 18.383 | -      | -      |
|        | 5885            | 177         | Low      | 18.565              | 18.360 | 18.405 | -      | -      |
|        |                 |             | Mid      | 17.336              | 17.358 | -      | 19.060 | 19.053 |
|        |                 |             | High     | 18.484              | 18.368 | 18.343 | -      | -      |

## 802.11ax(HE40)

| HE40    | Frequency<br>[MHz] | Channel<br>No. | RU<br>Index | 99% BANDWIDTH(MHz) |        |        |        |        |        |
|---------|--------------------|----------------|-------------|--------------------|--------|--------|--------|--------|--------|
|         |                    |                |             | 26 T               | 52 T   | 106 T  | 242 T  | 484 T  | SU     |
| UNII 1  | 5190               | 38             | Low         | 38.373             | 37.690 | 37.514 | 37.339 | -      | -      |
|         |                    |                | Mid         | 36.323             | 36.392 | 36.342 | -      | 37.961 | 38.000 |
|         |                    |                | High        | 38.373             | 37.807 | 37.499 | 37.448 | -      | -      |
|         | 5230               | 46             | Low         | 38.057             | 37.682 | 37.405 | 37.340 | -      | -      |
|         |                    |                | Mid         | 36.380             | 36.459 | 36.385 | -      | 37.952 | 38.003 |
|         |                    |                | High        | 38.064             | 37.713 | 37.473 | 37.435 | -      | -      |
| UNII 2A | 5270               | 54             | Low         | 38.015             | 37.767 | 37.256 | 37.382 | -      | -      |
|         |                    |                | Mid         | 36.392             | 36.468 | 36.375 | -      | 37.968 | 38.011 |
|         |                    |                | High        | 38.083             | 37.677 | 37.523 | 37.459 | -      | -      |
|         | 5310               | 62             | Low         | 38.047             | 37.743 | 37.436 | 37.400 | -      | -      |
|         |                    |                | Mid         | 36.469             | 36.476 | 36.409 | -      | 37.959 | 38.045 |
|         |                    |                | High        | 38.027             | 37.756 | 37.417 | 37.374 | -      | -      |
| UNII 2C | 5510               | 102            | Low         | 38.037             | 37.743 | 37.512 | 37.338 | -      | -      |
|         |                    |                | Mid         | 36.493             | 36.415 | 36.204 | -      | 37.980 | 38.027 |
|         |                    |                | High        | 38.251             | 37.667 | 37.443 | 37.442 | -      | -      |
|         | 5550               | 110            | Low         | 38.185             | 37.748 | 37.537 | 37.417 | -      | -      |
|         |                    |                | Mid         | 36.324             | 36.356 | 36.317 | -      | 37.959 | 38.064 |
|         |                    |                | High        | 38.028             | 37.657 | 37.449 | 37.378 | -      | -      |
|         | 5710               | 142            | Low         | 38.068             | 37.762 | 37.516 | 37.401 | -      | -      |
|         |                    |                | Mid         | 36.349             | 36.347 | 36.297 | -      | 37.963 | 38.010 |
|         |                    |                | High        | 38.094             | 37.673 | 37.418 | 37.368 | -      | -      |
| UNII 3  | 5755               | 151            | Low         | 38.578             | 37.709 | 37.456 | 37.415 | -      | -      |
|         |                    |                | Mid         | 36.332             | 36.410 | 36.277 | -      | 37.977 | 37.999 |
|         |                    |                | High        | 38.012             | 37.730 | 37.497 | 37.412 | -      | -      |
|         | 5795               | 159            | Low         | 37.952             | 37.865 | 37.507 | 37.382 | -      | -      |
|         |                    |                | Mid         | 36.352             | 36.386 | 36.426 | -      | 37.997 | 38.004 |
|         |                    |                | High        | 37.956             | 37.714 | 37.489 | 37.537 | -      | -      |
| UNII 4  | 5835               | 167            | Low         | 38.171             | 37.678 | 37.463 | 37.259 | -      | -      |
|         |                    |                | Mid         | 36.448             | 36.245 | 36.332 | -      | 37.968 | 37.983 |
|         |                    |                | High        | 38.156             | 37.860 | 37.485 | 37.289 | -      | -      |
|         | 5875               | 175            | Low         | 38.025             | 37.746 | 37.416 | 37.281 | -      | -      |
|         |                    |                | Mid         | 36.249             | 36.440 | 36.334 | -      | 37.950 | 37.966 |
|         |                    |                | High        | 38.029             | 37.783 | 37.483 | 37.402 | -      | -      |

**802.11ax(HE80)**

| HE80    | Freq.<br>[MHz] | Channel<br>No. | RU<br>Index | 99% BANDWIDTH (MHz) |        |        |        |        |        |        |
|---------|----------------|----------------|-------------|---------------------|--------|--------|--------|--------|--------|--------|
|         |                |                |             | 26 T                | 52 T   | 106 T  | 242 T  | 484 T  | 996 T  | SU     |
| UNII 1  | 5210           | 42             | Low         | 79.171              | 78.153 | 77.594 | 77.250 | 76.848 | -      | -      |
|         |                |                | Mid         | 75.052              | 75.104 | 75.178 | 75.272 | -      | 77.776 | 77.821 |
|         |                |                | High        | 78.096              | 77.505 | 77.218 | 77.096 | 76.672 | -      | -      |
| UNII 2A | 5290           | 58             | Low         | 78.738              | 78.125 | 77.678 | 77.279 | 76.972 | -      | -      |
|         |                |                | Mid         | 74.673              | 75.128 | 74.983 | 75.361 | -      | 77.794 | 77.838 |
|         |                |                | High        | 78.221              | 77.635 | 77.233 | 77.275 | 76.745 | -      | -      |
| UNII 2C | 5530           | 106            | Low         | 78.906              | 78.093 | 77.478 | 77.240 | 76.869 | -      | -      |
|         |                |                | Mid         | 75.160              | 75.141 | 75.042 | 75.107 | -      | 77.771 | 77.779 |
|         |                |                | High        | 77.791              | 77.561 | 77.105 | 77.150 | 76.526 | -      | -      |
|         | 5610           | 122            | Low         | 78.722              | 77.995 | 77.646 | 77.293 | 76.993 | -      | -      |
|         |                |                | Mid         | 74.817              | 74.921 | 74.986 | 75.329 | -      | 77.758 | 77.756 |
|         |                |                | High        | 78.042              | 77.260 | 76.980 | 77.017 | 76.537 | -      | -      |
|         | 5690           | 138            | Low         | 78.719              | 78.127 | 77.656 | 77.342 | 76.922 | -      | -      |
|         |                |                | Mid         | 74.931              | 74.967 | 74.730 | 75.251 | -      | 77.748 | 77.755 |
|         |                |                | High        | 78.108              | 77.371 | 77.149 | 77.033 | 76.520 | -      | -      |
| UNII 3  | 5775           | 155            | Low         | 79.209              | 78.181 | 77.687 | 77.296 | 76.902 | -      | -      |
|         |                |                | Mid         | 75.028              | 74.890 | 74.911 | 75.195 | -      | 77.774 | 77.739 |
|         |                |                | High        | 78.234              | 77.668 | 77.060 | 77.120 | 76.598 | -      | -      |
| UNII 4  | 5855           | 171            | Low         | 78.561              | 77.952 | 77.437 | 76.993 | 76.830 | -      | -      |
|         |                |                | Mid         | 74.884              | 75.209 | 74.868 | 74.914 | -      | 77.855 | 77.896 |
|         |                |                | High        | 77.944              | 77.532 | 77.091 | 76.923 | 76.551 | -      | -      |

**802.11ax(HE160)**

| HE160_80L  | Frequency [MHz] | Channel No. | RU Index | 99% BANDWIDTH (MHz) |        |        |        |        |        |    |
|------------|-----------------|-------------|----------|---------------------|--------|--------|--------|--------|--------|----|
|            |                 |             |          | 26 T                | 52 T   | 106 T  | 242 T  | 484 T  | 996 T  | SU |
| UNII 1&2A  | 5250            | 50          | Low      | 159.09              | 158.27 | 157.93 | 156.77 | 155.19 | -      | -  |
|            |                 |             | Mid      | 152.64              | 152.45 | 153.04 | 152.37 | -      | 156.13 | -  |
|            |                 |             | High     | 152.30              | 152.11 | 152.27 | 152.36 | 152.41 | -      | -  |
| UNII 2A-2C | 5570            | 114         | Low      | 158.94              | 158.57 | 158.03 | 157.22 | 156.82 | -      | -  |
|            |                 |             | Mid      | 153.11              | 152.24 | 153.07 | 153.12 | -      | 156.28 | -  |
|            |                 |             | High     | 152.36              | 152.07 | 152.36 | 152.86 | 152.40 | -      | -  |
| UNII 3&4   | 5815            | 163         | Low      | 158.35              | 158.05 | 157.09 | 156.10 | 155.74 | -      | -  |
|            |                 |             | Mid      | 152.30              | 153.11 | 152.25 | 153.30 | -      | 155.58 | -  |
|            |                 |             | High     | 152.27              | 151.71 | 151.66 | 152.54 | 152.77 | -      | -  |

| HE160_80U  | Frequency [MHz] | Channel No. | RU Index | 99% BANDWIDTH (MHz) |        |        |        |        |        |    |
|------------|-----------------|-------------|----------|---------------------|--------|--------|--------|--------|--------|----|
|            |                 |             |          | 26 T                | 52 T   | 106 T  | 242 T  | 484 T  | 996 T  | SU |
| UNII 1&2A  | 5250            | 50          | Low      | 152.52              | 151.62 | 152.42 | 152.10 | 152.42 | -      | -  |
|            |                 |             | Mid      | 152.93              | 151.27 | 151.51 | 151.94 | -      | 155.61 | -  |
|            |                 |             | High     | 159.16              | 157.21 | 157.00 | 155.06 | 155.63 | -      | -  |
| UNII 2A-2C | 5570            | 114         | Low      | 152.56              | 151.00 | 152.56 | 152.01 | 152.42 | -      | -  |
|            |                 |             | Mid      | 152.29              | 151.63 | 152.38 | 151.94 | -      | 154.89 | -  |
|            |                 |             | High     | 157.24              | 156.80 | 155.68 | 154.46 | 154.84 | -      | -  |
| UNII 3&4   | 5815            | 163         | Low      | 152.00              | 152.05 | 152.17 | 152.29 | 152.70 | -      | -  |
|            |                 |             | Mid      | 152.53              | 152.45 | 151.59 | 152.34 | -      | 154.99 | -  |
|            |                 |             | High     | 157.86              | 156.94 | 156.80 | 156.93 | 155.73 | -      | -  |

| HE160_SU   | Frequency [MHz] | Channel No. | 99% BANDWIDTH (MHz) |
|------------|-----------------|-------------|---------------------|
|            |                 |             | SU                  |
| UNII 1&2A  | 5250            | 50          | 154.83              |
| UNII 2A-2C | 5570            | 114         | 154.90              |
| UNII 3&4   | 5815            | 163         | 154.57              |

### 10.2.2 MIMO Ant2

Straddle channel data in the table below are for reporting purposes only.

Straddle channel data were added in section 10.6.1.

### 802.11ax(HE20)

| HE20    | Frequency [MHz] | Channel No. | RU Index | 26 dB BW (MHz) |       |       |       |       |
|---------|-----------------|-------------|----------|----------------|-------|-------|-------|-------|
|         |                 |             |          | 26 T           | 52 T  | 106 T | 242 T | SU    |
| UNII 1  | 5180            | 36          | Low      | 20.13          | 19.97 | 21.05 | -     | -     |
|         |                 |             | Mid      | 18.42          | 18.49 | -     | 24.20 | 24.09 |
|         |                 |             | High     | 19.92          | 19.91 | 20.61 | -     | -     |
|         | 5200            | 40          | Low      | 20.18          | 19.95 | 21.00 | -     | -     |
|         |                 |             | Mid      | 18.34          | 18.54 | -     | 24.17 | 24.18 |
|         |                 |             | High     | 19.77          | 19.90 | 20.52 | -     | -     |
|         | 5240            | 48          | Low      | 19.95          | 19.92 | 20.99 | -     | -     |
|         |                 |             | Mid      | 18.38          | 18.62 | -     | 24.16 | 24.19 |
|         |                 |             | High     | 19.84          | 19.89 | 20.61 | -     | -     |
| UNII 2A | 5260            | 52          | Low      | 20.05          | 19.99 | 20.98 | -     | -     |
|         |                 |             | Mid      | 18.27          | 18.58 | -     | 24.07 | 24.02 |
|         |                 |             | High     | 19.80          | 19.88 | 20.49 | -     | -     |
|         | 5280            | 56          | Low      | 20.13          | 20.00 | 20.87 | -     | -     |
|         |                 |             | Mid      | 18.38          | 18.45 | -     | 24.10 | 24.07 |
|         |                 |             | High     | 19.91          | 19.92 | 20.53 | -     | -     |
|         | 5320            | 64          | Low      | 19.94          | 19.93 | 20.85 | -     | -     |
|         |                 |             | Mid      | 18.35          | 18.62 | -     | 24.11 | 24.14 |
|         |                 |             | High     | 19.83          | 19.88 | 20.53 | -     | -     |
| UNII 2C | 5500            | 100         | Low      | 19.74          | 19.90 | 20.75 | -     | -     |
|         |                 |             | Mid      | 18.28          | 18.46 | -     | 24.18 | 24.19 |
|         |                 |             | High     | 19.97          | 19.98 | 20.33 | -     | -     |
|         | 5580            | 116         | Low      | 20.12          | 19.93 | 20.82 | -     | -     |
|         |                 |             | Mid      | 18.38          | 18.58 | -     | 24.28 | 26.07 |
|         |                 |             | High     | 19.86          | 19.89 | 20.50 | -     | -     |
|         | 5720            | 144         | Low      | 20.03          | 20.01 | 20.79 | -     | -     |
|         |                 |             | Mid      | 18.34          | 18.60 | -     | 26.19 | 26.19 |
|         |                 |             | High     | 19.83          | 20.17 | 20.31 | -     | -     |

| HE20   | Frequency [MHz] | Channel No. | RU Index | 26 dB BW (MHz) |       |       |       |       |
|--------|-----------------|-------------|----------|----------------|-------|-------|-------|-------|
|        |                 |             |          | 26 T           | 52 T  | 106 T | 242 T | SU    |
| UNII 3 | 5745            | 149         | Low      | 19.91          | 19.99 | 20.85 | -     | -     |
|        |                 |             | Mid      | 18.41          | 18.57 | -     | 25.88 | 26.09 |
|        |                 |             | High     | 19.98          | 19.87 | 20.48 | -     | -     |
|        | 5785            | 157         | Low      | 20.00          | 19.97 | 20.93 | -     | -     |
|        |                 |             | Mid      | 18.37          | 18.59 | -     | 23.91 | 24.02 |
|        |                 |             | High     | 19.82          | 19.92 | 20.44 | -     | -     |
|        | 5825            | 165         | Low      | 19.86          | 20.02 | 20.73 | -     | -     |
|        |                 |             | Mid      | 18.39          | 18.45 | -     | 23.50 | 23.94 |
|        |                 |             | High     | 19.86          | 19.81 | 20.69 | -     | -     |
| UNII 4 | 5845            | 169         | Low      | 20.10          | 20.12 | 20.91 | -     | -     |
|        |                 |             | Mid      | 18.43          | 18.56 | -     | 21.80 | 21.72 |
|        |                 |             | High     | 19.85          | 20.00 | 20.70 | -     | -     |
|        | 5865            | 173         | Low      | 19.99          | 19.93 | 20.98 | -     | -     |
|        |                 |             | Mid      | 18.40          | 18.51 | -     | 21.78 | 21.76 |
|        |                 |             | High     | 19.82          | 19.80 | 20.98 | -     | -     |
|        | 5885            | 177         | Low      | 20.22          | 19.95 | 20.97 | -     | -     |
|        |                 |             | Mid      | 18.35          | 18.60 | -     | 21.77 | 21.80 |
|        |                 |             | High     | 19.78          | 19.87 | 20.48 | -     | -     |

## 802.11ax(HE40)

| HE40    | Frequency<br>[MHz] | Channel<br>No. | RU<br>Index | 26 dB BW(MHz) |       |       |       |       |       |
|---------|--------------------|----------------|-------------|---------------|-------|-------|-------|-------|-------|
|         |                    |                |             | 26 T          | 52 T  | 106 T | 242 T | 484 T | SU    |
| UNII 1  | 5190               | 38             | Low         | 39.95         | 41.01 | 40.91 | 41.58 | -     | -     |
|         |                    |                | Mid         | 38.11         | 38.30 | 38.59 | -     | 45.58 | 45.89 |
|         |                    |                | High        | 40.40         | 40.74 | 41.18 | 41.07 | -     | -     |
|         | 5230               | 46             | Low         | 40.14         | 40.75 | 40.60 | 41.22 | -     | -     |
|         |                    |                | Mid         | 38.06         | 38.28 | 38.64 | -     | 45.72 | 45.94 |
|         |                    |                | High        | 40.19         | 40.47 | 41.22 | 42.05 | -     | -     |
| UNII 2A | 5270               | 54             | Low         | 39.86         | 40.56 | 40.59 | 41.34 | -     | -     |
|         |                    |                | Mid         | 38.09         | 38.27 | 38.57 | -     | 45.31 | 45.76 |
|         |                    |                | High        | 40.39         | 40.22 | 41.28 | 40.98 | -     | -     |
|         | 5310               | 62             | Low         | 39.90         | 40.79 | 40.76 | 41.45 | -     | -     |
|         |                    |                | Mid         | 38.06         | 38.25 | 38.69 | -     | 45.63 | 45.74 |
|         |                    |                | High        | 40.40         | 40.34 | 41.07 | 41.15 | -     | -     |
| UNII 2C | 5510               | 102            | Low         | 39.99         | 40.74 | 40.54 | 41.44 | -     | -     |
|         |                    |                | Mid         | 38.09         | 38.21 | 38.54 | -     | 45.43 | 46.00 |
|         |                    |                | High        | 40.28         | 40.48 | 40.92 | 41.15 | -     | -     |
|         | 5550               | 110            | Low         | 39.97         | 40.63 | 41.00 | 41.25 | -     | -     |
|         |                    |                | Mid         | 38.10         | 38.32 | 38.48 | -     | 45.49 | 47.68 |
|         |                    |                | High        | 40.43         | 40.54 | 40.90 | 41.15 | -     | -     |
|         | 5710               | 142            | Low         | 39.84         | 40.75 | 40.52 | 41.49 | -     | -     |
|         |                    |                | Mid         | 38.03         | 38.28 | 38.76 | -     | 45.74 | 48.63 |
|         |                    |                | High        | 40.29         | 40.64 | 41.23 | 41.05 | -     | -     |
| UNII 3  | 5755               | 151            | Low         | 39.81         | 40.79 | 40.49 | 41.32 | -     | -     |
|         |                    |                | Mid         | 38.06         | 38.18 | 38.69 | -     | 45.64 | 45.55 |
|         |                    |                | High        | 40.31         | 40.47 | 41.33 | 41.02 | -     | -     |
|         | 5795               | 159            | Low         | 39.89         | 40.44 | 40.39 | 41.22 | -     | -     |
|         |                    |                | Mid         | 38.07         | 38.31 | 38.54 | -     | 45.39 | 45.82 |
|         |                    |                | High        | 40.40         | 40.43 | 40.70 | 41.09 | -     | -     |
| UNII 4  | 5835               | 167            | Low         | 39.84         | 40.85 | 40.63 | 41.43 | -     | -     |
|         |                    |                | Mid         | 38.11         | 38.22 | 38.42 | -     | 43.46 | 43.25 |
|         |                    |                | High        | 40.03         | 40.45 | 41.13 | 41.89 | -     | -     |
|         | 5875               | 175            | Low         | 39.79         | 40.91 | 41.20 | 41.51 | -     | -     |
|         |                    |                | Mid         | 38.01         | 38.29 | 38.76 | -     | 43.77 | 43.73 |
|         |                    |                | High        | 40.32         | 40.40 | 41.16 | 41.87 | -     | -     |

**802.11ax(HE80)**

| HE80    | Freq.<br>[MHz] | Channel<br>No. | RU<br>Index | 26 dB BW<br>(MHz) |       |       |       |       |       |       |
|---------|----------------|----------------|-------------|-------------------|-------|-------|-------|-------|-------|-------|
|         |                |                |             | 26 T              | 52 T  | 106 T | 242 T | 484 T | 996 T | SU    |
| UNII 1  | 5210           | 42             | Low         | 80.71             | 82.30 | 82.56 | 83.04 | 83.67 | -     | -     |
|         |                |                | Mid         | 78.06             | 78.30 | 78.83 | 79.07 | -     | 86.97 | 88.68 |
|         |                |                | High        | 81.51             | 81.78 | 83.55 | 83.00 | 84.54 | -     | -     |
| UNII 2A | 5290           | 58             | Low         | 80.79             | 82.07 | 82.24 | 82.96 | 83.01 | -     | -     |
|         |                |                | Mid         | 78.20             | 78.34 | 78.82 | 79.12 | -     | 88.71 | 88.38 |
|         |                |                | High        | 81.67             | 82.23 | 83.61 | 83.51 | 84.63 | -     | -     |
| UNII 2C | 5530           | 106            | Low         | 80.98             | 82.42 | 82.55 | 83.02 | 83.17 | -     | -     |
|         |                |                | Mid         | 78.11             | 78.25 | 78.75 | 79.08 | -     | 88.20 | 87.84 |
|         |                |                | High        | 81.42             | 82.31 | 83.52 | 83.47 | 84.02 | -     | -     |
|         | 5610           | 122            | Low         | 81.11             | 82.54 | 82.38 | 82.84 | 83.95 | -     | -     |
|         |                |                | Mid         | 78.08             | 78.27 | 78.77 | 79.13 | -     | 88.42 | 88.13 |
|         |                |                | High        | 81.27             | 82.19 | 82.21 | 82.88 | 84.05 | -     | -     |
|         | 5690           | 138            | Low         | 81.08             | 81.94 | 82.40 | 83.01 | 85.73 | -     | -     |
|         |                |                | Mid         | 78.16             | 78.22 | 78.79 | 79.04 | -     | 88.03 | 88.29 |
|         |                |                | High        | 81.31             | 82.35 | 83.54 | 83.53 | 83.93 | -     | -     |
| UNII 3  | 5775           | 155            | Low         | 81.06             | 82.41 | 82.27 | 82.67 | 83.85 | -     | -     |
|         |                |                | Mid         | 78.08             | 78.34 | 78.78 | 79.24 | -     | 88.21 | 88.23 |
|         |                |                | High        | 80.85             | 81.77 | 83.46 | 83.66 | 83.96 | -     | -     |
| UNII 4  | 5855           | 171            | Low         | 81.21             | 82.37 | 82.27 | 82.78 | 83.40 | -     | -     |
|         |                |                | Mid         | 78.08             | 78.24 | 78.72 | 79.24 | -     | 86.13 | 87.10 |
|         |                |                | High        | 81.24             | 82.15 | 83.38 | 83.81 | 83.53 | -     | -     |

**802.11ax(HE160)**

| HE160_80L  | Frequency [MHz] | Channel No. | RU Index | 26dB BW (MHz) |        |        |        |        |        |    |
|------------|-----------------|-------------|----------|---------------|--------|--------|--------|--------|--------|----|
|            |                 |             |          | 26 T          | 52 T   | 106 T  | 242 T  | 484 T  | 996 T  | SU |
| UNII 1&2A  | 5250            | 50          | Low      | 162.70        | 164.50 | 165.80 | 164.70 | 166.70 | -      | -  |
|            |                 |             | Mid      | 158.30        | 158.30 | 159.50 | 160.10 | -      | 168.70 | -  |
|            |                 |             | High     | 158.30        | 158.20 | 159.40 | 160.20 | 161.20 | -      | -  |
| UNII 2A-2C | 5570            | 114         | Low      | 164.30        | 164.80 | 166.10 | 164.90 | 165.80 | -      | -  |
|            |                 |             | Mid      | 158.20        | 158.70 | 159.50 | 160.20 | -      | 168.70 | -  |
|            |                 |             | High     | 158.10        | 158.40 | 159.50 | 160.30 | 162.30 | -      | -  |
| UNII 3&4   | 5815            | 163         | Low      | 163.45        | 163.57 | 164.33 | 165.35 | 168.68 | -      | -  |
|            |                 |             | Mid      | 158.08        | 158.57 | 159.22 | 160.22 | -      | 168.23 | -  |
|            |                 |             | High     | 157.39        | 158.27 | 159.28 | 159.78 | 162.45 | -      | -  |

| HE160_80U  | Frequency [MHz] | Channel No. | RU Index | 26dB BW (MHz) |        |        |        |        |        |    |
|------------|-----------------|-------------|----------|---------------|--------|--------|--------|--------|--------|----|
|            |                 |             |          | 26 T          | 52 T   | 106 T  | 242 T  | 484 T  | 996 T  | SU |
| UNII 1&2A  | 5250            | 50          | Low      | 158.20        | 158.30 | 159.50 | 159.90 | 160.70 | -      | -  |
|            |                 |             | Mid      | 157.60        | 158.60 | 159.00 | 159.60 | -      | 166.00 | -  |
|            |                 |             | High     | 163.50        | 164.40 | 164.10 | 164.60 | 165.20 | -      | -  |
| UNII 2A-2C | 5570            | 114         | Low      | 158.00        | 158.30 | 159.70 | 159.90 | 162.10 | -      | -  |
|            |                 |             | Mid      | 157.70        | 158.70 | 159.10 | 160.20 | -      | 165.90 | -  |
|            |                 |             | High     | 161.80        | 163.20 | 164.30 | 164.30 | 166.80 | -      | -  |
| UNII 3&4   | 5815            | 163         | Low      | 157.76        | 158.39 | 159.44 | 159.73 | 161.98 | -      | -  |
|            |                 |             | Mid      | 157.77        | 158.40 | 159.30 | 159.26 | -      | 165.27 | -  |
|            |                 |             | High     | 162.11        | 163.45 | 164.98 | 165.01 | 165.76 | -      | -  |

| HE160_SU   | Frequency [MHz] | Channel No. | 26dB BW (MHz) |
|------------|-----------------|-------------|---------------|
|            |                 |             | SU            |
| UNII 1&2A  | 5250            | 50          | 163.10        |
| UNII 2A-2C | 5570            | 114         | 163.10        |
| UNII 3&4   | 5815            | 163         | 163.00        |

**99% BANDWIDTH**
**802.11ax(HE20)**

| HE20    | Frequency [MHz] | Channel No. | RU Index | 99% BANDWIDTH (MHz) |        |        |        |        |
|---------|-----------------|-------------|----------|---------------------|--------|--------|--------|--------|
|         |                 |             |          | 26 T                | 52 T   | 106 T  | 242 T  | SU     |
| UNII 1  | 5180            | 36          | Low      | 18.326              | 18.218 | 18.261 | -      | -      |
|         |                 |             | Mid      | 17.154              | 17.166 | -      | 19.037 | 19.057 |
|         |                 |             | High     | 18.423              | 18.236 | 18.263 | -      | -      |
|         | 5200            | 40          | Low      | 18.386              | 18.235 | 18.231 | -      | -      |
|         |                 |             | Mid      | 17.178              | 17.149 | -      | 19.034 | 19.030 |
|         |                 |             | High     | 18.324              | 18.235 | 18.254 | -      | -      |
|         | 5240            | 48          | Low      | 18.324              | 18.231 | 18.202 | -      | -      |
|         |                 |             | Mid      | 17.199              | 17.174 | -      | 19.043 | 19.031 |
|         |                 |             | High     | 18.418              | 18.197 | 18.276 | -      | -      |
| UNII 2A | 5260            | 52          | Low      | 18.375              | 18.235 | 18.213 | -      | -      |
|         |                 |             | Mid      | 17.074              | 17.186 | -      | 19.038 | 19.029 |
|         |                 |             | High     | 18.372              | 18.217 | 18.278 | -      | -      |
|         | 5280            | 56          | Low      | 18.514              | 18.246 | 18.246 | -      | -      |
|         |                 |             | Mid      | 17.183              | 17.155 | -      | 19.028 | 19.024 |
|         |                 |             | High     | 18.411              | 18.212 | 18.293 | -      | -      |
|         | 5320            | 64          | Low      | 18.334              | 18.226 | 18.219 | -      | -      |
|         |                 |             | Mid      | 17.099              | 17.168 | -      | 19.036 | 19.033 |
|         |                 |             | High     | 18.399              | 18.214 | 18.223 | -      | -      |
| UNII 2C | 5500            | 100         | Low      | 18.335              | 18.231 | 18.198 | -      | -      |
|         |                 |             | Mid      | 17.184              | 17.023 | -      | 19.017 | 19.048 |
|         |                 |             | High     | 18.394              | 18.173 | 18.253 | -      | -      |
|         | 5580            | 116         | Low      | 18.411              | 18.245 | 18.248 | -      | -      |
|         |                 |             | Mid      | 17.136              | 17.164 | -      | 19.042 | 19.046 |
|         |                 |             | High     | 18.335              | 18.188 | 18.240 | -      | -      |
|         | 5720            | 144         | Low      | 18.368              | 18.250 | 18.277 | -      | -      |
|         |                 |             | Mid      | 17.174              | 17.120 | -      | 19.049 | 19.058 |
|         |                 |             | High     | 18.240              | 18.217 | 18.245 | -      | -      |
| UNII 3  | 5745            | 149         | Low      | 18.365              | 18.237 | 18.230 | -      | -      |
|         |                 |             | Mid      | 17.182              | 17.158 | -      | 19.052 | 19.064 |
|         |                 |             | High     | 18.398              | 18.173 | 18.227 | -      | -      |

| HE20   | Frequency [MHz] | Channel No. | RU Index | 99% BANDWIDTH (MHz) |        |        |        |        |
|--------|-----------------|-------------|----------|---------------------|--------|--------|--------|--------|
|        |                 |             |          | 26 T                | 52 T   | 106 T  | 242 T  | SU     |
|        | 5785            | 157         | Low      | 18.255              | 18.254 | 18.264 | -      | -      |
|        |                 |             | Mid      | 17.152              | 17.038 | -      | 19.031 | 19.025 |
|        |                 |             | High     | 18.354              | 18.199 | 18.267 | -      | -      |
|        | 5825            | 165         | Low      | 18.355              | 18.244 | 18.242 | -      | -      |
|        |                 |             | Mid      | 17.178              | 17.126 | -      | 19.030 | 19.019 |
|        |                 |             | High     | 18.268              | 18.208 | 18.257 | -      | -      |
| UNII 4 | 5845            | 169         | Low      | 18.370              | 18.215 | 18.227 | -      | -      |
|        |                 |             | Mid      | 17.212              | 17.089 | -      | 19.060 | 19.044 |
|        |                 |             | High     | 18.321              | 18.228 | 18.306 | -      | -      |
|        | 5865            | 173         | Low      | 18.378              | 18.238 | 18.255 | -      | -      |
|        |                 |             | Mid      | 17.198              | 17.110 | -      | 19.057 | 19.009 |
|        |                 |             | High     | 18.341              | 18.189 | 18.255 | -      | -      |
|        | 5885            | 177         | Low      | 18.353              | 18.213 | 18.253 | -      | -      |
|        |                 |             | Mid      | 17.200              | 17.191 | -      | 19.059 | 19.054 |
|        |                 |             | High     | 18.341              | 18.194 | 18.273 | -      | -      |

## 802.11ax(HE40)

| HE40    | Frequency<br>[MHz] | Channel<br>No. | RU<br>Index | 99% BANDWIDTH(MHz) |        |        |        |        |        |
|---------|--------------------|----------------|-------------|--------------------|--------|--------|--------|--------|--------|
|         |                    |                |             | 26 T               | 52 T   | 106 T  | 242 T  | 484 T  | SU     |
| UNII 1  | 5190               | 38             | Low         | 37.707             | 37.739 | 37.261 | 37.337 | -      | -      |
|         |                    |                | Mid         | 36.045             | 36.154 | 36.317 | -      | 37.965 | 37.996 |
|         |                    |                | High        | 38.066             | 37.850 | 37.543 | 37.431 | -      | -      |
|         | 5230               | 46             | Low         | 37.823             | 37.485 | 37.219 | 37.277 | -      | -      |
|         |                    |                | Mid         | 36.144             | 36.162 | 36.245 | -      | 37.961 | 37.957 |
|         |                    |                | High        | 37.907             | 37.727 | 37.418 | 37.492 | -      | -      |
| UNII 2A | 5270               | 54             | Low         | 37.725             | 37.675 | 37.161 | 37.259 | -      | -      |
|         |                    |                | Mid         | 36.169             | 36.137 | 36.335 | -      | 37.955 | 37.990 |
|         |                    |                | High        | 37.958             | 37.650 | 37.502 | 37.411 | -      | -      |
|         | 5310               | 62             | Low         | 37.727             | 37.723 | 37.215 | 37.234 | -      | -      |
|         |                    |                | Mid         | 36.168             | 36.033 | 36.275 | -      | 37.953 | 37.963 |
|         |                    |                | High        | 37.971             | 37.682 | 37.505 | 37.450 | -      | -      |
| UNII 2C | 5510               | 102            | Low         | 37.637             | 37.678 | 37.249 | 37.305 | -      | -      |
|         |                    |                | Mid         | 36.082             | 36.045 | 36.217 | -      | 37.952 | 37.989 |
|         |                    |                | High        | 37.858             | 37.665 | 37.328 | 37.329 | -      | -      |
|         | 5550               | 110            | Low         | 37.768             | 37.561 | 37.291 | 37.325 | -      | -      |
|         |                    |                | Mid         | 36.047             | 36.143 | 36.159 | -      | 37.923 | 37.995 |
|         |                    |                | High        | 37.890             | 37.632 | 37.423 | 37.380 | -      | -      |
|         | 5710               | 142            | Low         | 37.659             | 37.716 | 37.290 | 37.397 | -      | -      |
|         |                    |                | Mid         | 35.922             | 36.120 | 36.131 | -      | 37.972 | 38.024 |
|         |                    |                | High        | 37.840             | 37.734 | 37.443 | 37.362 | -      | -      |
| UNII 3  | 5755               | 151            | Low         | 37.610             | 37.636 | 37.284 | 37.252 | -      | -      |
|         |                    |                | Mid         | 36.018             | 36.155 | 36.195 | -      | 37.951 | 37.997 |
|         |                    |                | High        | 37.867             | 37.605 | 37.476 | 37.394 | -      | -      |
|         | 5795               | 159            | Low         | 37.728             | 37.573 | 37.252 | 37.339 | -      | -      |
|         |                    |                | Mid         | 36.171             | 36.226 | 36.230 | -      | 37.933 | 37.982 |
|         |                    |                | High        | 37.968             | 37.631 | 37.489 | 37.428 | -      | -      |
| UNII 4  | 5835               | 167            | Low         | 37.733             | 37.630 | 37.268 | 37.338 | -      | -      |
|         |                    |                | Mid         | 36.001             | 36.157 | 36.139 | -      | 37.940 | 37.959 |
|         |                    |                | High        | 37.894             | 37.651 | 37.395 | 37.328 | -      | -      |
|         | 5875               | 175            | Low         | 37.711             | 37.708 | 37.358 | 37.361 | -      | -      |
|         |                    |                | Mid         | 36.076             | 36.153 | 36.338 | -      | 37.964 | 37.983 |
|         |                    |                | High        | 37.970             | 37.564 | 37.401 | 37.342 | -      | -      |

**802.11ax(HE80)**

| HE80    | Freq.<br>[MHz] | Channel<br>No. | RU<br>Index | 99% BANDWIDTH (MHz) |        |        |        |        |        |        |
|---------|----------------|----------------|-------------|---------------------|--------|--------|--------|--------|--------|--------|
|         |                |                |             | 26 T                | 52 T   | 106 T  | 242 T  | 484 T  | 996 T  | SU     |
| UNII 1  | 5210           | 42             | Low         | 77.735              | 78.079 | 76.955 | 76.986 | 76.592 | -      | -      |
|         |                |                | Mid         | 74.540              | 74.944 | 74.865 | 74.949 | -      | 77.753 | 77.830 |
|         |                |                | High        | 78.161              | 77.647 | 77.386 | 76.985 | 76.748 | -      | -      |
| UNII 2A | 5290           | 58             | Low         | 77.824              | 78.034 | 76.972 | 76.970 | 76.657 | -      | -      |
|         |                |                | Mid         | 74.722              | 75.015 | 75.047 | 75.095 | -      | 77.771 | 77.579 |
|         |                |                | High        | 78.249              | 77.789 | 77.612 | 77.127 | 76.717 | -      | -      |
| UNII 2C | 5530           | 106            | Low         | 77.860              | 78.208 | 77.170 | 77.003 | 76.657 | -      | -      |
|         |                |                | Mid         | 74.542              | 74.872 | 74.914 | 75.009 | -      | 77.642 | 77.606 |
|         |                |                | High        | 78.006              | 77.731 | 77.322 | 76.811 | 76.760 | -      | -      |
|         | 5610           | 122            | Low         | 77.837              | 78.082 | 77.116 | 76.979 | 76.724 | -      | -      |
|         |                |                | Mid         | 74.417              | 74.680 | 74.770 | 74.887 | -      | 77.742 | 77.693 |
|         |                |                | High        | 77.563              | 77.536 | 76.970 | 76.881 | 76.760 | -      | -      |
|         | 5690           | 138            | Low         | 78.046              | 78.267 | 77.292 | 77.096 | 76.751 | -      | -      |
|         |                |                | Mid         | 74.591              | 74.741 | 74.804 | 74.874 | -      | 77.710 | 77.780 |
|         |                |                | High        | 77.813              | 77.558 | 77.271 | 76.951 | 76.604 | -      | -      |
| UNII 3  | 5775           | 155            | Low         | 78.000              | 78.063 | 77.203 | 77.047 | 76.722 | -      | -      |
|         |                |                | Mid         | 74.728              | 74.799 | 74.827 | 75.091 | -      | 77.661 | 77.764 |
|         |                |                | High        | 77.869              | 77.357 | 77.125 | 76.931 | 76.642 | -      | -      |
| UNII 4  | 5855           | 171            | Low         | 78.302              | 78.249 | 77.337 | 76.945 | 76.723 | -      | -      |
|         |                |                | Mid         | 74.532              | 74.792 | 74.762 | 75.002 | -      | 77.646 | 77.605 |
|         |                |                | High        | 77.411              | 77.478 | 77.212 | 76.664 | 76.654 | -      | -      |

**802.11ax(HE160)**

| HE160_80L  | Frequency [MHz] | Channel No. | RU Index | 99% BANDWIDTH (MHz) |        |        |        |        |        |    |
|------------|-----------------|-------------|----------|---------------------|--------|--------|--------|--------|--------|----|
|            |                 |             |          | 26 T                | 52 T   | 106 T  | 242 T  | 484 T  | 996 T  | SU |
| UNII 1&2A  | 5250            | 50          | Low      | 157.83              | 157.40 | 157.32 | 155.99 | 155.35 | -      | -  |
|            |                 |             | Mid      | 152.67              | 151.94 | 152.56 | 152.46 | -      | 155.71 | -  |
|            |                 |             | High     | 152.67              | 152.09 | 152.47 | 152.41 | 151.81 | -      | -  |
| UNII 2A-2C | 5570            | 114         | Low      | 159.44              | 158.02 | 158.14 | 156.89 | 156.07 | -      | -  |
|            |                 |             | Mid      | 152.84              | 152.36 | 152.68 | 152.70 | -      | 156.04 | -  |
|            |                 |             | High     | 152.56              | 152.53 | 153.04 | 152.99 | 153.02 | -      | -  |
| UNII 3&4   | 5815            | 163         | Low      | 158.71              | 157.99 | 157.08 | 156.01 | 156.07 | -      | -  |
|            |                 |             | Mid      | 152.78              | 152.45 | 152.43 | 152.63 | -      | 155.85 | -  |
|            |                 |             | High     | 152.24              | 151.52 | 152.40 | 152.55 | 153.26 | -      | -  |

| HE160_80U  | Frequency [MHz] | Channel No. | RU Index | 99% BANDWIDTH (MHz) |        |        |        |        |        |    |
|------------|-----------------|-------------|----------|---------------------|--------|--------|--------|--------|--------|----|
|            |                 |             |          | 26 T                | 52 T   | 106 T  | 242 T  | 484 T  | 996 T  | SU |
| UNII 1&2A  | 5250            | 50          | Low      | 152.98              | 152.51 | 153.00 | 152.79 | 152.65 | -      | -  |
|            |                 |             | Mid      | 152.17              | 152.75 | 152.65 | 152.82 | -      | 155.77 | -  |
|            |                 |             | High     | 159.17              | 158.50 | 157.19 | 156.98 | 156.20 | -      | -  |
| UNII 2A-2C | 5570            | 114         | Low      | 153.15              | 152.11 | 152.50 | 152.20 | 152.92 | -      | -  |
|            |                 |             | Mid      | 152.21              | 152.23 | 152.49 | 152.36 | -      | 155.08 | -  |
|            |                 |             | High     | 158.86              | 157.52 | 156.68 | 155.48 | 155.47 | -      | -  |
| UNII 3&4   | 5815            | 163         | Low      | 152.51              | 151.95 | 152.18 | 152.87 | 153.17 | -      | -  |
|            |                 |             | Mid      | 151.65              | 151.82 | 151.92 | 152.49 | -      | 155.44 | -  |
|            |                 |             | High     | 158.13              | 156.82 | 156.86 | 156.05 | 155.86 | -      | -  |

| HE160_SU   | Frequency [MHz] | Channel No. | 99% BANDWIDTH (MHz) |
|------------|-----------------|-------------|---------------------|
|            |                 |             | SU                  |
| UNII 1&2A  | 5250            | 50          | 155.04              |
| UNII 2A-2C | 5570            | 114         | 154.79              |
| UNII 3&4   | 5815            | 163         | 154.69              |

### 10.3 6 dB BANDWIDTH

#### 10.3.1 MIMO Ant1

##### 802.11ax(HE20)

| HE20   | Frequency [MHz] | Channel No. | RU Index | 6 dB BW (MHz) |       |       |       |       |
|--------|-----------------|-------------|----------|---------------|-------|-------|-------|-------|
|        |                 |             |          | 26 T          | 52 T  | 106 T | 242 T | SU    |
| UNII 3 | 5745            | 149         | Low      | 2.157         | 17.10 | 18.15 | -     | -     |
|        |                 |             | Mid      | 2.772         | 15.10 | -     | 19.04 | 19.05 |
|        |                 |             | High     | 2.137         | 17.05 | 17.15 | -     | -     |
|        | 5785            | 157         | Low      | 2.147         | 17.06 | 18.14 | -     | -     |
|        |                 |             | Mid      | 2.694         | 15.11 | -     | 19.04 | 19.04 |
|        |                 |             | High     | 2.138         | 17.07 | 17.13 | -     | -     |
|        | 5825            | 165         | Low      | 2.116         | 17.11 | 18.16 | -     | -     |
|        |                 |             | Mid      | 2.745         | 15.12 | -     | 19.05 | 19.04 |
|        |                 |             | High     | 2.124         | 17.08 | 17.15 | -     | -     |
| UNII 4 | 5845            | 169         | Low      | 2.133         | 17.11 | 18.13 | -     | -     |
|        |                 |             | Mid      | 2.790         | 15.12 | -     | 19.07 | 19.06 |
|        |                 |             | High     | 2.118         | 17.06 | 17.14 | -     | -     |
|        | 5865            | 173         | Low      | 2.150         | 17.10 | 18.15 | -     | -     |
|        |                 |             | Mid      | 2.723         | 15.10 | -     | 19.07 | 19.06 |
|        |                 |             | High     | 2.134         | 17.05 | 17.15 | -     | -     |
|        | 5885            | 177         | Low      | 2.162         | 17.12 | 18.11 | -     | -     |
|        |                 |             | Mid      | 2.759         | 15.13 | -     | 19.06 | 19.07 |
|        |                 |             | High     | 2.113         | 17.06 | 17.16 | -     | -     |

# Limit : &gt; 0.5 MHz

**802.11ax(HE40)**

| HE40   | Frequency [MHz] | Channel No. | RU Index | 6 dB BW(MHz) |       |       |       |       |        |
|--------|-----------------|-------------|----------|--------------|-------|-------|-------|-------|--------|
|        |                 |             |          | 26 T         | 52 T  | 106 T | 242 T | 484 T | SU     |
| UNII 3 | 5755            | 151         | Low      | 2.153        | 4.213 | 36.62 | 36.82 | -     | -      |
|        |                 |             | Mid      | 2.161        | 4.167 | 35.08 | -     | 38.15 | 38.156 |
|        |                 |             | High     | 2.143        | 4.208 | 36.60 | 36.78 | -     | -      |
|        | 5795            | 159         | Low      | 2.151        | 4.199 | 36.60 | 36.82 | -     | -      |
|        |                 |             | Mid      | 2.163        | 4.194 | 35.06 | -     | 38.15 | 38.15  |
|        |                 |             | High     | 2.158        | 4.229 | 36.57 | 36.79 | -     | -      |
| UNII 4 | 5835            | 167         | Low      | 2.156        | 4.218 | 36.59 | 36.83 | -     | -      |
|        |                 |             | Mid      | 2.137        | 4.185 | 32.62 | -     | 38.16 | 38.15  |
|        |                 |             | High     | 2.135        | 4.235 | 36.61 | 36.74 | -     | -      |
|        | 5875            | 175         | Low      | 2.151        | 4.228 | 36.62 | 36.83 | -     | -      |
|        |                 |             | Mid      | 2.162        | 4.182 | 33.87 | -     | 38.17 | 38.14  |
|        |                 |             | High     | 2.158        | 4.169 | 36.57 | 36.74 | -     | -      |

# Limit : > 0.5 MHz

**802.11ax(HE80)**

| HE80   | Frequency [MHz] | Channel No. | RU Index | 6 dB BW (MHz) |       |       |       |       |       |       |
|--------|-----------------|-------------|----------|---------------|-------|-------|-------|-------|-------|-------|
|        |                 |             |          | 26 T          | 52 T  | 106 T | 242 T | 484 T | 996 T | SU    |
| UNII 3 | 5775            | 155         | Low      | 2.243         | 4.341 | 8.433 | 76.86 | 76.94 | -     | -     |
|        |                 |             | Mid      | 2.837         | 4.295 | 8.454 | 75.15 | -     | 78.26 | 78.22 |
|        |                 |             | High     | 2.247         | 4.318 | 8.442 | 74.29 | 76.90 | -     | -     |
| UNII 4 | 5855            | 171         | Low      | 2.215         | 4.343 | 8.390 | 76.79 | 76.99 | -     | -     |
|        |                 |             | Mid      | 2.851         | 4.297 | 8.456 | 73.98 | -     | 78.20 | 78.18 |
|        |                 |             | High     | 2.273         | 4.335 | 8.436 | 76.83 | 76.92 | -     | -     |

# Limit : > 0.5 MHz

**802.11ax(HE160)**

| HE160_80L | Frequency [MHz] | Channel No. | RU Index | 6dB BW (MHz) |       |       |       |        |        |    |
|-----------|-----------------|-------------|----------|--------------|-------|-------|-------|--------|--------|----|
|           |                 |             |          | 26 T         | 52 T  | 106 T | 242 T | 484 T  | 996 T  | SU |
| UNII 3&4  | 5815            | 163         | Low      | 2.415        | 4.583 | 8.677 | 19.32 | 156.72 | -      | -  |
|           |                 |             | Mid      | 3.038        | 4.564 | 8.729 | 19.29 | -      | 157.75 | -  |
|           |                 |             | High     | 2.432        | 4.583 | 8.711 | 19.22 | 155.02 | -      | -  |

| HE160_80U | Frequency [MHz] | Channel No. | RU Index | 6dB BW (MHz) |       |       |       |        |        |    |
|-----------|-----------------|-------------|----------|--------------|-------|-------|-------|--------|--------|----|
|           |                 |             |          | 26 T         | 52 T  | 106 T | 242 T | 484 T  | 996 T  | SU |
| UNII 3&4  | 5815            | 163         | Low      | 2.449        | 4.585 | 8.686 | 19.30 | 153.71 | -      | -  |
|           |                 |             | Mid      | 3.064        | 4.552 | 8.713 | 19.31 | -      | 156.66 | -  |
|           |                 |             | High     | 2.382        | 4.563 | 8.726 | 19.25 | 156.75 | -      | -  |

| HE160_SU | Frequency [MHz] | Channel No. | 6dB BW (MHz) |
|----------|-----------------|-------------|--------------|
|          |                 |             | SU           |
| UNII 3&4 | 5815            | 163         | 122.69       |

**10.3.2 MIMO Ant2**
**802.11ax(HE20)**

| HE20   | Frequency [MHz] | Channel No. | RU Index | 6 dB BW (MHz) |       |       |       |       |
|--------|-----------------|-------------|----------|---------------|-------|-------|-------|-------|
|        |                 |             |          | 26 T          | 52 T  | 106 T | 242 T | SU    |
| UNII 3 | 5745            | 149         | Low      | 2.127         | 17.04 | 17.77 | -     | -     |
|        |                 |             | Mid      | 2.672         | 15.10 | -     | 19.07 | 19.07 |
|        |                 |             | High     | 2.105         | 17.05 | 17.19 | -     | -     |
|        | 5785            | 157         | Low      | 2.151         | 17.07 | 17.18 | -     | -     |
|        |                 |             | Mid      | 2.686         | 15.09 | -     | 19.06 | 19.04 |
|        |                 |             | High     | 2.096         | 17.06 | 17.19 | -     | -     |
|        | 5825            | 165         | Low      | 2.127         | 17.01 | 17.76 | -     | -     |
|        |                 |             | Mid      | 2.689         | 15.03 | -     | 19.07 | 19.10 |
|        |                 |             | High     | 2.091         | 17.05 | 17.18 | -     | -     |
| UNII 4 | 5845            | 169         | Low      | 2.110         | 17.01 | 17.74 | -     | -     |
|        |                 |             | Mid      | 2.716         | 15.08 | -     | 19.07 | 19.10 |
|        |                 |             | High     | 2.115         | 17.03 | 17.19 | -     | -     |
|        | 5865            | 173         | Low      | 2.108         | 14.54 | 17.75 | -     | -     |
|        |                 |             | Mid      | 2.695         | 15.06 | -     | 19.10 | 19.12 |
|        |                 |             | High     | 2.127         | 17.05 | 17.18 | -     | -     |
|        | 5885            | 177         | Low      | 2.135         | 17.01 | 17.74 | -     | -     |
|        |                 |             | Mid      | 2.675         | 15.07 | -     | 19.11 | 19.10 |
|        |                 |             | High     | 2.102         | 17.05 | 17.18 | -     | -     |

# Limit : &gt; 0.5 MHz

**802.11ax(HE40)**

| HE40   | Frequency [MHz] | Channel No. | RU Index | 6 dB BW(MHz) |       |       |       |       |        |
|--------|-----------------|-------------|----------|--------------|-------|-------|-------|-------|--------|
|        |                 |             |          | 26 T         | 52 T  | 106 T | 242 T | 484 T | SU     |
| UNII 3 | 5755            | 151         | Low      | 2.165        | 4.163 | 36.66 | 36.72 | -     | -      |
|        |                 |             | Mid      | 2.164        | 4.220 | 35.13 | -     | 38.17 | 38.108 |
|        |                 |             | High     | 2.174        | 4.189 | 36.61 | 36.75 | -     | -      |
|        | 5795            | 159         | Low      | 2.179        | 4.148 | 36.65 | 36.72 | -     | -      |
|        |                 |             | Mid      | 2.177        | 4.200 | 35.11 | -     | 38.14 | 38.11  |
|        |                 |             | High     | 2.159        | 4.202 | 36.57 | 36.76 | -     | -      |
| UNII 4 | 5835            | 167         | Low      | 2.173        | 4.139 | 36.62 | 36.75 | -     | -      |
|        |                 |             | Mid      | 2.196        | 4.195 | 35.10 | -     | 38.09 | 38.18  |
|        |                 |             | High     | 2.172        | 4.180 | 36.59 | 36.70 | -     | -      |
|        | 5875            | 175         | Low      | 2.117        | 4.135 | 36.62 | 36.74 | -     | -      |
|        |                 |             | Mid      | 2.209        | 4.174 | 35.09 | -     | 38.15 | 38.16  |
|        |                 |             | High     | 2.167        | 4.195 | 36.57 | 36.75 | -     | -      |

# Limit : > 0.5 MHz

**802.11ax(HE80)**

| HE80   | Frequency [MHz] | Channel No. | RU Index | 6 dB BW (MHz) |       |       |       |       |       |       |
|--------|-----------------|-------------|----------|---------------|-------|-------|-------|-------|-------|-------|
|        |                 |             |          | 26 T          | 52 T  | 106 T | 242 T | 484 T | 996 T | SU    |
| UNII 3 | 5775            | 155         | Low      | 2.291         | 4.268 | 8.478 | 76.71 | 76.88 | -     | -     |
|        |                 |             | Mid      | 2.818         | 4.259 | 8.482 | 75.10 | -     | 78.20 | 78.17 |
|        |                 |             | High     | 2.255         | 4.262 | 8.452 | 76.77 | 76.86 | -     | -     |
| UNII 4 | 5855            | 171         | Low      | 2.298         | 4.276 | 8.506 | 76.75 | 76.88 | -     | -     |
|        |                 |             | Mid      | 2.808         | 4.261 | 8.464 | 75.12 | -     | 78.18 | 78.19 |
|        |                 |             | High     | 2.244         | 4.290 | 8.446 | 76.76 | 76.88 | -     | -     |

# Limit : > 0.5 MHz

**802.11ax(HE160)**

| HE160_80L | Frequency [MHz] | Channel No. | RU Index | 6dB BW (MHz) |       |       |       |        |        |    |
|-----------|-----------------|-------------|----------|--------------|-------|-------|-------|--------|--------|----|
|           |                 |             |          | 26 T         | 52 T  | 106 T | 242 T | 484 T  | 996 T  | SU |
| UNII 3&4  | 5815            | 163         | Low      | 2.417        | 4.470 | 8.694 | 19.28 | 156.82 | -      | -  |
|           |                 |             | Mid      | 2.981        | 4.536 | 8.731 | 19.24 | -      | 156.92 | -  |
|           |                 |             | High     | 2.388        | 4.551 | 8.699 | 19.32 | 155.02 | -      | -  |

| HE160_80U | Frequency [MHz] | Channel No. | RU Index | 6dB BW (MHz) |       |       |       |        |        |    |
|-----------|-----------------|-------------|----------|--------------|-------|-------|-------|--------|--------|----|
|           |                 |             |          | 26 T         | 52 T  | 106 T | 242 T | 484 T  | 996 T  | SU |
| UNII 3&4  | 5815            | 163         | Low      | 2.423        | 4.474 | 8.708 | 19.24 | 152.44 | -      | -  |
|           |                 |             | Mid      | 2.971        | 4.604 | 8.739 | 19.27 | -      | 156.95 | -  |
|           |                 |             | High     | 2.426        | 4.603 | 8.715 | 19.27 | 156.77 | -      | -  |

| HE160_SU | Frequency [MHz] | Channel No. | 6dB BW (MHz) |
|----------|-----------------|-------------|--------------|
|          |                 |             | SU           |
| UNII 3&4 | 5815            | 163         | 140.01       |

## 10.4 OUTPUT POWER MEASUREMENT

Straddle channel data in the table below are for reporting purposes only.

Straddle channel data were added in section 10.6.3.

### 10.4.1 MIMO Ant 1

| HE20                   |         | Frequency [MHz] | Channel No. | RU Index | Max. Average Power (dBm) |      |       |       |       |
|------------------------|---------|-----------------|-------------|----------|--------------------------|------|-------|-------|-------|
|                        |         |                 |             |          | 26 T                     | 52 T | 106 T | 242 T | SU    |
| Max Output Power (dBm) | UNII 1  | 5180            | 36          | Low      | 6.23                     | 8.68 | 10.23 | -     | -     |
|                        |         |                 |             | Mid      | 6.35                     | 8.80 | -     | 12.24 | 16.55 |
|                        |         |                 |             | High     | 6.31                     | 8.78 | 10.27 | -     | -     |
|                        |         | 5200            | 40          | Low      | 6.20                     | 8.67 | 10.21 | -     | -     |
|                        |         |                 |             | Mid      | 6.36                     | 8.80 | -     | 12.23 | 16.54 |
|                        |         |                 |             | High     | 6.31                     | 8.75 | 10.26 | -     | -     |
|                        |         | 5240            | 48          | Low      | 6.22                     | 8.84 | 10.35 | -     | -     |
|                        |         |                 |             | Mid      | 6.33                     | 8.96 | -     | 12.34 | 7.87  |
|                        |         |                 |             | High     | 6.31                     | 8.88 | 10.40 | -     | -     |
|                        | UNII 2a | 5260            | 52          | Low      | 6.66                     | 9.12 | 10.51 | -     | -     |
|                        |         |                 |             | Mid      | 6.71                     | 9.21 | -     | 12.89 | 16.87 |
|                        |         |                 |             | High     | 6.69                     | 9.18 | 10.53 | -     | -     |
|                        |         | 5280            | 56          | Low      | 6.54                     | 8.97 | 10.44 | -     | -     |
|                        |         |                 |             | Mid      | 6.65                     | 9.13 | -     | 12.79 | 16.77 |
|                        |         |                 |             | High     | 6.67                     | 9.07 | 10.51 | -     | -     |
|                        |         | 5320            | 64          | Low      | 6.69                     | 9.10 | 10.66 | -     | -     |
|                        |         |                 |             | Mid      | 6.85                     | 9.23 | -     | 11.89 | 17.02 |
|                        |         |                 |             | High     | 6.82                     | 9.22 | 10.73 | -     | -     |
|                        | UNII 2c | 5500            | 100         | Low      | 6.36                     | 8.96 | 10.55 | -     | -     |
|                        |         |                 |             | Mid      | 6.51                     | 9.09 | -     | 12.72 | 16.72 |
|                        |         |                 |             | High     | 6.51                     | 9.05 | 10.65 | -     | -     |
|                        |         | 5580            | 116         | Low      | 6.20                     | 8.66 | 10.57 | -     | -     |
|                        |         |                 |             | Mid      | 6.34                     | 8.81 | -     | 12.66 | 16.40 |
|                        |         |                 |             | High     | 6.42                     | 8.86 | 10.71 | -     | -     |
|                        |         | 5720            | 144         | Low      | 6.77                     | 8.82 | 10.32 | -     | -     |
|                        |         |                 |             | Mid      | 6.89                     | 8.95 | -     | 12.18 | 15.97 |
|                        |         |                 |             | High     | 6.82                     | 8.89 | 10.37 | -     | -     |
|                        | UNII 3  | 5745            | 149         | Low      | 6.25                     | 8.60 | 10.25 | -     | -     |
|                        |         |                 |             | Mid      | 6.34                     | 8.73 | -     | 10.35 | 10.35 |
|                        |         |                 |             | High     | 6.33                     | 8.69 | 10.32 | -     | -     |

| HE20 |        | Frequency [MHz] | Channel No. | RU Index | Max. Average Power (dBm) |      |       |       |       |
|------|--------|-----------------|-------------|----------|--------------------------|------|-------|-------|-------|
|      |        |                 |             |          | 26 T                     | 52 T | 106 T | 242 T | SU    |
|      |        | 5785            | 157         | Low      | 6.45                     | 8.73 | 10.17 | -     | -     |
|      |        |                 |             | Mid      | 6.57                     | 8.85 | -     | 10.74 | 10.76 |
|      |        |                 |             | High     | 6.56                     | 8.82 | 10.25 | -     | -     |
|      |        | 5825            | 165         | Low      | 6.13                     | 8.47 | 9.81  | -     | -     |
|      |        |                 |             | Mid      | 6.26                     | 8.58 | -     | 9.90  | 9.90  |
|      |        |                 |             | High     | 6.23                     | 8.59 | 9.88  | -     | -     |
|      | UNII 4 | 5845            | 169         | Low      | 6.27                     | 9.24 | 10.50 | -     | -     |
|      |        |                 |             | Mid      | 6.36                     | 9.30 | -     | 10.42 | 10.48 |
|      |        |                 |             | High     | 6.28                     | 9.21 | 10.52 | -     | -     |
|      |        | 5865            | 173         | Low      | 6.13                     | 9.09 | 10.34 | -     | -     |
|      |        |                 |             | Mid      | 6.22                     | 9.17 | -     | 10.34 | 10.27 |
|      |        |                 |             | High     | 6.22                     | 9.13 | 10.40 | -     | -     |
|      |        | 5885            | 177         | Low      | 6.82                     | 9.18 | 10.48 | -     | -     |
|      |        |                 |             | Mid      | 6.87                     | 9.38 | -     | 10.60 | 10.60 |
|      |        |                 |             | High     | 6.80                     | 9.23 | 10.52 | -     | -     |

| HE40                   |         | Frequency [MHz] | Channel No. | RU Index | Max. Average Power (dBm) |      |       |       |       |       |
|------------------------|---------|-----------------|-------------|----------|--------------------------|------|-------|-------|-------|-------|
|                        |         |                 |             |          | 26 T                     | 52 T | 106 T | 242 T | 484 T | SU    |
| Max Output Power (dBm) | UNII 1  | 5190            | 38          | Low      | 5.95                     | 8.57 | 10.15 | 11.11 | -     | -     |
|                        |         |                 |             | Mid      | 6.45                     | 9.04 | 10.45 | -     | 11.26 | 15.65 |
|                        |         |                 |             | High     | 6.13                     | 8.82 | 10.36 | 11.21 | -     | -     |
|                        |         | 5230            | 46          | Low      | 5.96                     | 8.77 | 10.33 | 11.20 | -     | -     |
|                        |         |                 |             | Mid      | 6.54                     | 9.26 | 10.61 | -     | 11.33 | 12.25 |
|                        |         |                 |             | High     | 6.22                     | 9.00 | 10.49 | 11.34 | -     | -     |
|                        | UNII 2a | 5270            | 54          | Low      | 6.41                     | 9.02 | 10.42 | 11.13 | -     | -     |
|                        |         |                 |             | Mid      | 6.89                     | 9.45 | 10.69 | -     | 11.23 | 15.62 |
|                        |         |                 |             | High     | 6.61                     | 9.24 | 10.60 | 11.22 | -     | -     |
|                        |         | 5310            | 62          | Low      | 5.97                     | 8.54 | 10.17 | 11.27 | -     | -     |
|                        |         |                 |             | Mid      | 6.56                     | 9.06 | 10.48 | -     | 11.40 | 15.09 |
|                        |         |                 |             | High     | 6.28                     | 8.84 | 10.40 | 11.42 | -     | -     |
|                        | UNII 2c | 5510            | 102         | Low      | 6.04                     | 8.79 | 10.41 | 10.53 | -     | -     |
|                        |         |                 |             | Mid      | 6.60                     | 9.29 | 10.72 | -     | 9.50  | 13.87 |
|                        |         |                 |             | High     | 6.33                     | 9.06 | 10.63 | 10.66 | -     | -     |
|                        |         | 5550            | 110         | Low      | 6.24                     | 8.88 | 10.49 | 11.14 | -     | -     |
|                        |         |                 |             | Mid      | 6.81                     | 9.35 | 10.79 | -     | 11.24 | 15.87 |
|                        |         |                 |             | High     | 6.44                     | 9.08 | 10.65 | 11.24 | -     | -     |
|                        |         | 5710            | 142         | Low      | 5.99                     | 8.08 | 10.30 | 10.51 | -     | -     |
|                        |         |                 |             | Mid      | 6.70                     | 8.67 | 10.67 | -     | 10.66 | 16.46 |
|                        |         |                 |             | High     | 6.39                     | 8.47 | 10.65 | 10.71 | -     | -     |
|                        | UNII 3  | 5755            | 151         | Low      | 5.96                     | 8.59 | 10.24 | 9.51  | -     | -     |
|                        |         |                 |             | Mid      | 6.47                     | 9.04 | 10.54 | -     | 9.54  | 9.73  |
|                        |         |                 |             | High     | 6.19                     | 8.77 | 10.41 | 9.52  | -     | -     |
|                        |         | 5795            | 159         | Low      | 6.18                     | 8.68 | 10.13 | 9.72  | -     | -     |
|                        |         |                 |             | Mid      | 6.75                     | 9.19 | 10.42 | -     | 9.84  | 9.83  |
|                        |         |                 |             | High     | 6.44                     | 8.94 | 10.33 | 9.84  | -     | -     |
|                        | UNII 4  | 5835            | 167         | Low      | 6.06                     | 9.11 | 10.44 | 10.47 | -     | -     |
|                        |         |                 |             | Mid      | 6.63                     | 9.55 | 10.76 | -     | 10.63 | 10.63 |
|                        |         |                 |             | High     | 6.20                     | 9.35 | 10.57 | 10.62 | -     | -     |
| 5875                   |         | 175             | Low         | 5.86     | 8.98                     | 9.66 | 9.23  | -     | -     |       |
|                        |         |                 | Mid         | 6.33     | 9.48                     | 9.87 | -     | 9.32  | 9.31  |       |
|                        |         |                 | High        | 6.04     | 9.21                     | 9.82 | 9.35  | -     | -     |       |

| HE80                   |         | Frequency [MHz] | Channel No. | RU Index | Max. Average Power (dBm) |       |       |       |       |       |       |
|------------------------|---------|-----------------|-------------|----------|--------------------------|-------|-------|-------|-------|-------|-------|
|                        |         |                 |             |          | 26 T                     | 52 T  | 106 T | 242 T | 484 T | 996 T | SU    |
| Max Output Power (dBm) | UNII 1  | 5210            | 42          | Low      | 6.21                     | 8.81  | 10.25 | 10.38 | 10.45 | -     | -     |
|                        |         |                 |             | Mid      | 6.71                     | 9.35  | 10.74 | 10.61 | -     | 10.63 | 13.96 |
|                        |         |                 |             | High     | 6.67                     | 9.33  | 10.72 | 10.82 | 10.77 | -     | -     |
|                        | UNII 2A | 5290            | 58          | Low      | 6.50                     | 9.00  | 10.24 | 10.37 | 10.46 | -     | -     |
|                        |         |                 |             | Mid      | 7.02                     | 9.53  | 10.77 | 10.67 | -     | 10.67 | 13.98 |
|                        |         |                 |             | High     | 7.04                     | 9.51  | 10.76 | 10.85 | 10.76 | -     | -     |
|                        | UNII 2C | 5530            | 106         | Low      | 6.07                     | 8.67  | 10.17 | 10.32 | 9.51  | -     | -     |
|                        |         |                 |             | Mid      | 6.69                     | 9.32  | 10.70 | 10.59 | -     | 10.58 | 13.78 |
|                        |         |                 |             | High     | 6.61                     | 9.19  | 10.63 | 10.72 | 9.59  | -     | -     |
|                        |         | 5610            | 122         | Low      | 5.79                     | 8.24  | 9.51  | 9.67  | 9.87  | -     | -     |
|                        |         |                 |             | Mid      | 6.63                     | 9.17  | 10.35 | 10.11 | -     | 10.73 | 14.71 |
|                        |         |                 |             | High     | 6.74                     | 9.23  | 10.40 | 10.48 | 10.42 | -     | -     |
|                        | 5690    | 138             | Low         | 5.51     | 8.01                     | 9.54  | 9.51  | 9.66  | -     | -     |       |
|                        |         |                 | Mid         | 6.45     | 8.84                     | 10.23 | 9.92  | -     | 10.70 | 14.42 |       |
|                        |         |                 | High        | 6.61     | 8.98                     | 10.36 | 10.43 | 10.40 | -     | -     |       |
|                        | UNII 3  | 5775            | 155         | Low      | 6.13                     | 8.30  | 9.71  | 9.85  | 9.96  | -     | -     |
|                        |         |                 |             | Mid      | 6.67                     | 8.84  | 10.18 | 10.14 | -     | 10.07 | 9.56  |
|                        |         |                 |             | High     | 6.69                     | 8.83  | 10.14 | 10.22 | 10.19 | -     | -     |
|                        | UNII 4  | 5855            | 171         | Low      | 6.31                     | 9.26  | 10.31 | 10.46 | 10.50 | -     | -     |
|                        |         |                 |             | Mid      | 6.73                     | 9.58  | 10.68 | 10.59 | -     | 10.56 | 10.55 |
|                        |         |                 |             | High     | 6.66                     | 9.42  | 10.62 | 10.68 | 10.59 | -     | -     |

| HE160_80L              |           | Frequency [MHz] | Channel No. | RU Index | Max. Average Power (dBm) |      |       |       |       |       |    |
|------------------------|-----------|-----------------|-------------|----------|--------------------------|------|-------|-------|-------|-------|----|
|                        |           |                 |             |          | 26 T                     | 52 T | 106 T | 242 T | 484 T | 996 T | SU |
| Max Output Power (dBm) | UNII 1&2A | 5250            | 50          | Low      | 5.65                     | 8.31 | 8.76  | 8.91  | 9.02  | -     | -  |
|                        |           |                 |             | Mid      | 6.33                     | 8.99 | 9.43  | 9.22  | -     | 9.20  | -  |
|                        |           |                 |             | High     | 6.70                     | 9.25 | 9.61  | 9.64  | 9.50  | -     | -  |
|                        | UNII 2C   | 5570            | 114         | Low      | 6.31                     | 7.37 | 7.35  | 7.52  | 7.69  | -     | -  |
|                        |           |                 |             | Mid      | 7.29                     | 8.27 | 8.24  | 7.94  | -     | 8.02  | -  |
|                        |           |                 |             | High     | 7.76                     | 8.68 | 8.51  | 8.52  | 8.35  | -     | -  |
|                        | UNII 3&4  | 5815            | 163         | Low      | 5.84                     | 8.98 | 10.10 | 10.25 | 10.32 | -     | -  |
|                        |           |                 |             | Mid      | 6.48                     | 9.64 | 10.66 | 10.55 | -     | 10.47 | -  |
|                        |           |                 |             | High     | 6.67                     | 9.77 | 10.76 | 10.78 | 10.66 | -     | -  |

| HE160_80U              |           | Frequency [MHz] | Channel No. | RU Index | Max. Average Power (dBm) |      |       |       |       |       |    |
|------------------------|-----------|-----------------|-------------|----------|--------------------------|------|-------|-------|-------|-------|----|
|                        |           |                 |             |          | 26 T                     | 52 T | 106 T | 242 T | 484 T | 996 T | SU |
| Max Output Power (dBm) | UNII 1&2A | 5250            | 50          | Low      | 6.70                     | 9.24 | 9.68  | 9.68  | 9.68  | -     | -  |
|                        |           |                 |             | Mid      | 6.87                     | 9.46 | 9.86  | 9.79  | -     | 9.69  | -  |
|                        |           |                 |             | High     | 6.84                     | 9.42 | 9.82  | 9.89  | 9.83  | -     | -  |
|                        | UNII 2C   | 5570            | 114         | Low      | 7.36                     | 7.75 | 7.78  | 7.86  | 7.94  | -     | -  |
|                        |           |                 |             | Mid      | 7.86                     | 8.41 | 8.35  | 8.15  | -     | 8.24  | -  |
|                        |           |                 |             | High     | 7.94                     | 8.39 | 8.45  | 8.39  | 8.37  | -     | -  |
|                        | UNII 3&4  | 5815            | 163         | Low      | 6.61                     | 9.80 | 10.82 | 10.87 | 10.81 | -     | -  |
|                        |           |                 |             | Mid      | 6.66                     | 9.75 | 10.72 | 10.86 | -     | 10.63 | -  |
|                        |           |                 |             | High     | 6.37                     | 9.50 | 10.55 | 10.63 | 10.59 | -     | -  |

| HE160_SU               |           | Frequency [MHz] | Channel No. | Max. Average Power (dBm) |
|------------------------|-----------|-----------------|-------------|--------------------------|
|                        |           |                 |             | SU                       |
| Max Output Power (dBm) | UNII 1&2A | 5250            | 50          | 13.44                    |
|                        | UNII 2C   | 5570            | 114         | 13.91                    |
|                        | UNII 3&4  | 5815            | 163         | 10.52                    |

**10.4.2 MIMO Ant 2**

| HE20                   |         | Frequency [MHz] | Channel No. | RU Index | Max. Average Power (dBm) |       |       |       |       |
|------------------------|---------|-----------------|-------------|----------|--------------------------|-------|-------|-------|-------|
|                        |         |                 |             |          | 26 T                     | 52 T  | 106 T | 242 T | SU    |
| Max Output Power (dBm) | UNII 1  | 5180            | 36          | Low      | 7.55                     | 10.06 | 11.57 | -     | -     |
|                        |         |                 |             | Mid      | 7.53                     | 10.13 | -     | 13.76 | 17.40 |
|                        |         |                 |             | High     | 7.42                     | 10.00 | 11.49 | -     | -     |
|                        |         | 5200            | 40          | Low      | 7.60                     | 10.13 | 11.61 | -     | -     |
|                        |         |                 |             | Mid      | 7.64                     | 10.19 | -     | 13.85 | 17.47 |
|                        |         |                 |             | High     | 7.52                     | 10.10 | 11.58 | -     | -     |
|                        |         | 5240            | 48          | Low      | 7.56                     | 10.33 | 11.86 | -     | -     |
|                        |         |                 |             | Mid      | 7.52                     | 10.38 | -     | 13.63 | 9.06  |
|                        |         |                 |             | High     | 7.35                     | 10.15 | 11.73 | -     | -     |
|                        | UNII 2A | 5260            | 52          | Low      | 7.35                     | 9.88  | 11.36 | -     | -     |
|                        |         |                 |             | Mid      | 7.23                     | 9.90  | -     | 12.90 | 17.44 |
|                        |         |                 |             | High     | 7.14                     | 9.68  | 11.18 | -     | -     |
|                        |         | 5280            | 56          | Low      | 7.27                     | 9.80  | 11.28 | -     | -     |
|                        |         |                 |             | Mid      | 7.30                     | 9.88  | -     | 12.92 | 17.43 |
|                        |         |                 |             | High     | 7.24                     | 9.77  | 11.25 | -     | -     |
|                        |         | 5320            | 64          | Low      | 7.39                     | 9.87  | 11.34 | -     | -     |
|                        |         |                 |             | Mid      | 7.41                     | 9.94  | -     | 12.47 | 17.56 |
|                        |         |                 |             | High     | 7.30                     | 9.84  | 11.31 | -     | -     |
|                        | UNII 2C | 5500            | 100         | Low      | 7.20                     | 9.53  | 11.13 | -     | -     |
|                        |         |                 |             | Mid      | 7.30                     | 9.63  | -     | 13.49 | 17.22 |
|                        |         |                 |             | High     | 7.27                     | 9.60  | 11.20 | -     | -     |
|                        |         | 5580            | 116         | Low      | 6.29                     | 9.03  | 10.54 | -     | -     |
|                        |         |                 |             | Mid      | 6.32                     | 9.09  | -     | 12.33 | 16.58 |
|                        |         |                 |             | High     | 6.34                     | 9.10  | 10.57 | -     | -     |
|                        |         | 5720            | 144         | Low      | 7.34                     | 9.23  | 10.32 | -     | -     |
|                        |         |                 |             | Mid      | 7.34                     | 9.33  | -     | 12.47 | 16.39 |
|                        |         |                 |             | High     | 7.30                     | 9.27  | 10.30 | -     | -     |
|                        | UNII 3  | 5745            | 149         | Low      | 7.46                     | 9.86  | 11.34 | -     | -     |
|                        |         |                 |             | Mid      | 7.52                     | 9.95  | -     | 11.42 | 11.31 |
|                        |         |                 |             | High     | 7.50                     | 9.91  | 11.39 | -     | -     |
| 5785                   |         | 157             | Low         | 7.00     | 9.45                     | 10.55 | -     | -     |       |
|                        |         |                 | Mid         | 7.09     | 9.57                     | -     | 11.02 | 11.03 |       |
|                        |         |                 | High        | 7.11     | 9.56                     | 10.63 | -     | -     |       |
| 5825                   |         | 165             | Low         | 6.88     | 9.34                     | 10.50 | -     | -     |       |

| HE20   |      | Frequency [MHz] | Channel No. | RU Index | Max. Average Power (dBm) |       |       |       |    |
|--------|------|-----------------|-------------|----------|--------------------------|-------|-------|-------|----|
|        |      |                 |             |          | 26 T                     | 52 T  | 106 T | 242 T | SU |
| UNII 4 | 5845 | 169             | Mid         | 7.04     | 9.46                     | -     | 10.60 | 10.57 |    |
|        |      |                 | High        | 7.05     | 9.51                     | 10.60 | -     | -     |    |
|        |      |                 | Low         | 6.98     | 9.95                     | 11.12 | -     | -     |    |
|        |      |                 | Mid         | 7.05     | 10.06                    | -     | 11.16 | 11.21 |    |
|        |      |                 | High        | 7.06     | 10.02                    | 11.16 | -     | -     |    |
|        |      |                 | Low         | 6.88     | 9.82                     | 10.96 | -     | -     |    |
|        | 5865 | 173             | Mid         | 6.93     | 9.92                     | -     | 11.15 | 11.01 |    |
|        |      |                 | High        | 7.00     | 9.96                     | 11.09 | -     | -     |    |
|        |      |                 | Low         | 7.57     | 10.07                    | 11.08 | -     | -     |    |
|        | 5885 | 177             | Mid         | 7.68     | 10.20                    | -     | 11.90 | 11.16 |    |
|        |      |                 | High        | 7.83     | 10.22                    | 11.25 | -     | -     |    |
|        |      |                 | Low         | 7.57     | 10.07                    | 11.08 | -     | -     |    |

| HE40                            |         | Frequency [MHz] | Channel No. | RUIndex | Max. Average Power (dBm) |       |       |       |       |       |
|---------------------------------|---------|-----------------|-------------|---------|--------------------------|-------|-------|-------|-------|-------|
|                                 |         |                 |             |         | 26 T                     | 52 T  | 106 T | 242 T | 484 T | SU    |
| Max<br>Output<br>Power<br>(dBm) | UNII 1  | 5190            | 38          | Low     | 7.44                     | 10.10 | 11.60 | 12.93 | -     | -     |
|                                 |         |                 |             | Mid     | 7.70                     | 10.34 | 11.71 | -     | 12.95 | 16.56 |
|                                 |         |                 |             | High    | 7.30                     | 9.97  | 11.47 | 12.86 | -     | -     |
|                                 |         | 5230            | 46          | Low     | 7.40                     | 10.31 | 11.85 | 12.91 | -     | -     |
|                                 |         |                 |             | Mid     | 7.73                     | 10.47 | 11.98 | -     | 12.90 | 13.32 |
|                                 |         |                 |             | High    | 7.15                     | 10.11 | 11.66 | 12.79 | -     | -     |
|                                 | UNII 2A | 5270            | 54          | Low     | 7.22                     | 9.87  | 11.36 | 11.89 | -     | -     |
|                                 |         |                 |             | Mid     | 7.33                     | 10.01 | 11.43 | -     | 11.89 | 16.15 |
|                                 |         |                 |             | High    | 6.90                     | 9.67  | 11.16 | 11.75 | -     | -     |
|                                 |         | 5310            | 62          | Low     | 6.68                     | 9.31  | 11.01 | 11.98 | -     | -     |
|                                 |         |                 |             | Mid     | 7.01                     | 9.63  | 11.22 | -     | 12.01 | 15.74 |
|                                 |         |                 |             | High    | 6.64                     | 9.27  | 10.96 | 11.95 | -     | -     |
|                                 | UNII 2C | 5510            | 102         | Low     | 6.96                     | 9.45  | 11.09 | 11.17 | -     | -     |
|                                 |         |                 |             | Mid     | 7.40                     | 9.82  | 11.32 | -     | 10.26 | 14.48 |
|                                 |         |                 |             | High    | 7.02                     | 9.51  | 11.10 | 11.18 | -     | -     |
|                                 |         | 5550            | 110         | Low     | 6.61                     | 9.27  | 10.89 | 11.50 | -     | -     |
|                                 |         |                 |             | Mid     | 6.96                     | 9.59  | 11.08 | -     | 11.55 | 16.04 |
|                                 |         |                 |             | High    | 6.58                     | 9.24  | 10.86 | 11.48 | -     | -     |
|                                 |         | 5710            | 142         | Low     | 6.55                     | 8.68  | 10.32 | 10.50 | -     | -     |
|                                 |         |                 |             | Mid     | 7.12                     | 9.20  | 10.64 | -     | 10.61 | 15.94 |
|                                 |         |                 |             | High    | 6.82                     | 8.93  | 10.53 | 10.63 | -     | -     |
|                                 | UNII 3  | 5755            | 151         | Low     | 7.18                     | 9.77  | 11.38 | 10.60 | -     | -     |
|                                 |         |                 |             | Mid     | 7.62                     | 10.15 | 11.62 | -     | 10.70 | 10.69 |
|                                 |         |                 |             | High    | 7.34                     | 9.91  | 11.49 | 10.68 | -     | -     |
|                                 |         | 5795            | 159         | Low     | 6.71                     | 9.34  | 10.51 | 10.14 | -     | -     |
|                                 |         |                 |             | Mid     | 7.23                     | 9.81  | 10.79 | -     | 10.24 | 10.24 |
|                                 |         |                 |             | High    | 7.02                     | 9.61  | 10.76 | 10.29 | -     | -     |
|                                 | UNII 4  | 5835            | 167         | Low     | 6.72                     | 9.83  | 11.04 | 11.18 | -     | -     |
|                                 |         |                 |             | Mid     | 7.29                     | 10.34 | 11.34 | -     | 11.38 | 11.28 |
|                                 |         |                 |             | High    | 6.99                     | 10.09 | 11.25 | 11.31 | -     | -     |
| 5875                            |         | 175             | Low         | 6.74    | 9.70                     | 10.32 | 9.98  | -     | -     |       |
|                                 |         |                 | Mid         | 7.32    | 10.22                    | 10.60 | -     | 10.29 | 10.18 |       |
|                                 |         |                 | High        | 7.16    | 10.16                    | 10.61 | 10.20 | -     | -     |       |

| HE80                   |         | Frequency [MHz] | Channel No. | RU Index | Max. Average Power (dBm) |       |       |       |       |       |       |
|------------------------|---------|-----------------|-------------|----------|--------------------------|-------|-------|-------|-------|-------|-------|
|                        |         |                 |             |          | 26 T                     | 52 T  | 106 T | 242 T | 484 T | 996 T | SU    |
| Max Output Power (dBm) | UNII 1  | 5210            | 42          | Low      | 7.68                     | 10.46 | 11.90 | 11.98 | 11.98 | -     | -     |
|                        |         |                 |             | Mid      | 7.81                     | 10.49 | 11.99 | 11.99 | -     | 11.92 | 14.85 |
|                        |         |                 |             | High     | 7.36                     | 10.18 | 11.61 | 11.78 | 11.87 | -     | -     |
|                        | UNII 2A | 5290            | 58          | Low      | 7.59                     | 10.14 | 11.47 | 11.52 | 11.49 | -     | -     |
|                        |         |                 |             | Mid      | 7.59                     | 10.15 | 11.47 | 11.52 | -     | 11.41 | 14.45 |
|                        |         |                 |             | High     | 7.26                     | 9.84  | 11.22 | 11.32 | 11.37 | -     | -     |
|                        | UNII 2C | 5530            | 106         | Low      | 7.06                     | 9.47  | 10.97 | 11.10 | 10.16 | -     | -     |
|                        |         |                 |             | Mid      | 7.43                     | 9.81  | 11.24 | 11.25 | -     | 11.17 | 14.39 |
|                        |         |                 |             | High     | 7.19                     | 9.56  | 11.04 | 11.13 | 10.18 | -     | -     |
|                        |         | 5610            | 122         | Low      | 6.18                     | 8.98  | 9.93  | 10.06 | 10.19 | -     | -     |
|                        |         |                 |             | Mid      | 6.73                     | 9.54  | 10.45 | 10.35 | -     | 10.71 | 14.61 |
|                        |         |                 |             | High     | 6.53                     | 9.32  | 10.27 | 10.36 | 10.40 | -     | -     |
|                        | 5690    | 138             | Low         | 6.11     | 8.54                     | 9.55  | 9.68  | 9.83  | -     | -     |       |
|                        |         |                 | Mid         | 6.86     | 9.36                     | 10.32 | 10.06 | -     | 10.53 | 14.65 |       |
|                        |         |                 | High        | 6.95     | 9.42                     | 10.38 | 10.44 | 10.31 | -     | -     |       |
|                        | UNII 3  | 5775            | 155         | Low      | 6.54                     | 9.08  | 10.15 | 10.28 | 10.36 | -     | -     |
|                        |         |                 |             | Mid      | 6.96                     | 9.56  | 10.55 | 10.48 | -     | 10.49 | 9.98  |
|                        |         |                 |             | High     | 7.00                     | 9.58  | 10.58 | 10.63 | 10.60 | -     | -     |
|                        | UNII 4  | 5855            | 171         | Low      | 6.70                     | 9.71  | 10.82 | 10.91 | 11.18 | -     | -     |
|                        |         |                 |             | Mid      | 7.26                     | 10.23 | 11.26 | 11.24 | -     | 11.17 | 11.26 |
|                        |         |                 |             | High     | 7.36                     | 10.34 | 11.38 | 11.38 | 11.32 | -     | -     |

| HE160_80L              |           | Frequency [MHz] | Channel No. | RU Index | Max. Average Power (dBm) |       |       |       |       |       |    |
|------------------------|-----------|-----------------|-------------|----------|--------------------------|-------|-------|-------|-------|-------|----|
|                        |           |                 |             |          | 26 T                     | 52 T  | 106 T | 242 T | 484 T | 996 T | SU |
| Max Output Power (dBm) | UNII 1&2A | 5250            | 50          | Low      | 7.58                     | 10.12 | 10.74 | 10.81 | 10.83 | -     | -  |
|                        |           |                 |             | Mid      | 7.81                     | 10.41 | 10.94 | 10.95 | -     | 10.82 | -  |
|                        |           |                 |             | High     | 7.71                     | 10.25 | 10.88 | 10.90 | 10.90 | -     | -  |
|                        | UNII 2C   | 5570            | 114         | Low      | 7.34                     | 7.61  | 7.62  | 7.80  | 7.87  | -     | -  |
|                        |           |                 |             | Mid      | 7.88                     | 8.25  | 8.16  | 8.06  | -     | 8.66  | -  |
|                        |           |                 |             | High     | 7.89                     | 8.36  | 8.21  | 8.22  | 8.14  | -     | -  |
|                        | UNII 3&4  | 5815            | 163         | Low      | 6.51                     | 9.45  | 10.45 | 10.60 | 10.67 | -     | -  |
|                        |           |                 |             | Mid      | 6.96                     | 9.94  | 10.86 | 10.82 | -     | 10.76 | -  |
|                        |           |                 |             | High     | 7.20                     | 10.16 | 10.95 | 10.94 | 10.92 | -     | -  |

| HE160_80U              |           | Frequency [MHz] | Channel No. | RU Index | Max. Average Power (dBm) |       |       |       |       |       |    |
|------------------------|-----------|-----------------|-------------|----------|--------------------------|-------|-------|-------|-------|-------|----|
|                        |           |                 |             |          | 26 T                     | 52 T  | 106 T | 242 T | 484 T | 996 T | SU |
| Max Output Power (dBm) | UNII 1&2A | 5250            | 50          | Low      | 7.61                     | 10.18 | 10.77 | 10.72 | 10.59 | -     | -  |
|                        |           |                 |             | Mid      | 7.49                     | 10.02 | 10.58 | 10.61 | -     | 10.42 | -  |
|                        |           |                 |             | High     | 7.08                     | 9.75  | 10.27 | 10.40 | 10.41 | -     | -  |
|                        | UNII 2C   | 5570            | 114         | Low      | 7.45                     | 7.92  | 7.82  | 7.91  | 7.87  | -     | -  |
|                        |           |                 |             | Mid      | 7.74                     | 8.26  | 8.13  | 8.07  | -     | 8.06  | -  |
|                        |           |                 |             | High     | 7.52                     | 8.07  | 8.04  | 8.10  | 8.11  | -     | -  |
|                        | UNII 3&4  | 5815            | 163         | Low      | 7.25                     | 10.17 | 10.87 | 10.92 | 10.91 | -     | -  |
|                        |           |                 |             | Mid      | 7.32                     | 10.26 | 10.96 | 10.98 | -     | 10.86 | -  |
|                        |           |                 |             | High     | 7.35                     | 10.32 | 10.99 | 10.99 | 10.93 | -     | -  |

| HE160_SU               |           | Frequency [MHz] | Channel No. | Max. Average Power (dBm) |
|------------------------|-----------|-----------------|-------------|--------------------------|
|                        |           |                 |             | SU                       |
| Max Output Power (dBm) | UNII 1&2A | 5250            | 50          | 14.35                    |
|                        | UNII 2C   | 5570            | 114         | 13.87                    |
|                        | UNII 3&4  | 5815            | 163         | 10.97                    |

**10.4.3 SUM (MIMO Ant 1 + MIMO Ant 2)**

| HE20                   |         | Frequency [MHz] | Channel No. | RU Index | SUM Power (dBm) |       |       |       |       |
|------------------------|---------|-----------------|-------------|----------|-----------------|-------|-------|-------|-------|
|                        |         |                 |             |          | 26 T            | 52 T  | 106 T | 242 T | SU    |
| Max Output Power (dBm) | UNII 1  | 5180            | 36          | Low      | 9.95            | 12.44 | 13.96 | -     | -     |
|                        |         |                 |             | Mid      | 9.99            | 12.53 | -     | 16.08 | 20.00 |
|                        |         |                 |             | High     | 9.91            | 12.44 | 13.93 | -     | -     |
|                        |         | 5200            | 40          | Low      | 9.97            | 12.47 | 13.98 | -     | -     |
|                        |         |                 |             | Mid      | 10.06           | 12.56 | -     | 16.13 | 20.04 |
|                        |         |                 |             | High     | 9.97            | 12.49 | 13.98 | -     | -     |
|                        |         | 5240            | 48          | Low      | 9.95            | 12.66 | 14.18 | -     | -     |
|                        |         |                 |             | Mid      | 9.98            | 12.73 | -     | 16.04 | 11.52 |
|                        |         |                 |             | High     | 9.87            | 12.57 | 14.13 | -     | -     |
|                        | UNII 2A | 5260            | 52          | Low      | 10.03           | 12.53 | 13.96 | -     | -     |
|                        |         |                 |             | Mid      | 9.99            | 12.58 | -     | 15.91 | 20.17 |
|                        |         |                 |             | High     | 9.93            | 12.45 | 13.88 | -     | -     |
|                        |         | 5280            | 56          | Low      | 9.93            | 12.41 | 13.89 | -     | -     |
|                        |         |                 |             | Mid      | 10.00           | 12.53 | -     | 15.86 | 20.12 |
|                        |         |                 |             | High     | 9.98            | 12.45 | 13.90 | -     | -     |
|                        | 5320    | 64              | Low         | 10.06    | 12.51           | 14.02 | -     | -     |       |
|                        |         |                 | Mid         | 10.15    | 12.61           | -     | 15.20 | 20.31 |       |
|                        |         |                 | High        | 10.08    | 12.55           | 14.04 | -     | -     |       |
|                        | UNII 2C | 5500            | 100         | Low      | 9.81            | 12.26 | 13.86 | -     | -     |
|                        |         |                 |             | Mid      | 9.93            | 12.38 | -     | 16.13 | 19.99 |
|                        |         |                 |             | High     | 9.92            | 12.35 | 13.94 | -     | -     |
|                        |         | 5580            | 116         | Low      | 9.25            | 11.86 | 13.56 | -     | -     |
|                        |         |                 |             | Mid      | 9.34            | 11.96 | -     | 15.51 | 19.50 |
|                        |         |                 |             | High     | 9.39            | 11.99 | 13.65 | -     | -     |
|                        |         | 5720            | 144         | Low      | 10.08           | 12.04 | 13.33 | -     | -     |
|                        |         |                 |             | Mid      | 10.13           | 12.15 | -     | 15.34 | 19.19 |
|                        |         |                 |             | High     | 10.08           | 12.09 | 13.35 | -     | -     |
|                        | UNII 3  | 5745            | 149         | Low      | 9.91            | 12.29 | 13.84 | -     | -     |
|                        |         |                 |             | Mid      | 9.98            | 12.39 | -     | 13.93 | 13.87 |
|                        |         |                 |             | High     | 9.97            | 12.35 | 13.90 | -     | -     |
| 5785                   |         | 157             | Low         | 9.75     | 12.11           | 13.37 | -     | -     |       |
|                        |         |                 | Mid         | 9.84     | 12.24           | -     | 13.89 | 13.91 |       |
|                        |         |                 | High        | 9.85     | 12.22           | 13.45 | -     | -     |       |
| 5825                   | 165     | Low             | 9.53        | 11.94    | 13.18           | -     | -     |       |       |

| HE20 |                      | Frequency [MHz] | Channel No. | RU Index | SUM Power (dBm) |       |       |       |       |       |
|------|----------------------|-----------------|-------------|----------|-----------------|-------|-------|-------|-------|-------|
|      |                      |                 |             |          | 26 T            | 52 T  | 106 T | 242 T | SU    |       |
|      | UNII 4               | 5845            | 169         | Mid      | 9.68            | 12.05 | -     | 13.27 | 13.26 |       |
|      |                      |                 |             | High     | 9.67            | 12.08 | 13.27 | -     | -     |       |
|      |                      |                 |             | Low      | 9.65            | 12.62 | 13.83 | -     | -     |       |
|      |                      | 5865            | 173         | Mid      | 9.73            | 12.70 | -     | 13.82 | 13.87 |       |
|      |                      |                 |             | High     | 9.69            | 12.64 | 13.86 | -     | -     |       |
|      |                      |                 |             | Low      | 9.53            | 12.48 | 13.67 | -     | -     |       |
|      | 5885                 | 177             | Low         | 10.22    | 12.66           | 13.80 | -     | -     |       |       |
|      |                      |                 | Mid         | 10.31    | 12.82           | -     | 14.31 | 13.90 |       |       |
|      |                      |                 | High        | 10.36    | 12.77           | 13.91 | -     | -     |       |       |
|      | Max EIRP Power (dBm) | UNII 4          | 5845        | 169      | Low             | 6.13  | 9.10  | 10.31 | -     | -     |
|      |                      |                 |             |          | Mid             | 6.21  | 9.18  | -     | 10.30 | 10.35 |
|      |                      |                 |             |          | High            | 6.17  | 9.12  | 10.34 | -     | -     |
| 5865 |                      |                 | 173         | Low      | 6.01            | 8.96  | 10.15 | -     | -     |       |
|      |                      |                 |             | Mid      | 6.08            | 9.05  | -     | 10.25 | 10.15 |       |
|      |                      |                 |             | High     | 6.12            | 9.06  | 10.25 | -     | -     |       |
| 5885 |                      | 177             | Low         | 6.70     | 9.14            | 10.28 | -     | -     |       |       |
|      |                      |                 | Mid         | 6.79     | 9.30            | -     | 10.79 | 10.38 |       |       |
|      |                      |                 | High        | 6.84     | 9.25            | 10.39 | -     | -     |       |       |

| HE40                   |         | Frequency [MHz] | Channel No. | RU Index | SUM Power (dBm) |       |       |       |       |       |
|------------------------|---------|-----------------|-------------|----------|-----------------|-------|-------|-------|-------|-------|
|                        |         |                 |             |          | 26 T            | 52 T  | 106 T | 242 T | 484 T | SU    |
| Max Output Power (dBm) | UNII 1  | 5190            | 38          | Low      | 9.77            | 12.41 | 13.94 | 15.12 | -     | -     |
|                        |         |                 |             | Mid      | 10.13           | 12.75 | 14.14 | -     | 15.20 | 19.14 |
|                        |         |                 |             | High     | 9.76            | 12.44 | 13.96 | 15.12 | -     | -     |
|                        |         | 5230            | 46          | Low      | 9.75            | 12.62 | 14.17 | 15.15 | -     | -     |
|                        |         |                 |             | Mid      | 10.18           | 12.92 | 14.36 | -     | 15.19 | 15.83 |
|                        |         |                 |             | High     | 9.72            | 12.60 | 14.12 | 15.13 | -     | -     |
|                        | UNII 2A | 5270            | 54          | Low      | 9.85            | 12.47 | 13.92 | 14.54 | -     | -     |
|                        |         |                 |             | Mid      | 10.13           | 12.75 | 14.09 | -     | 14.59 | 18.91 |
|                        |         |                 |             | High     | 9.77            | 12.47 | 13.90 | 14.51 | -     | -     |
|                        |         | 5310            | 62          | Low      | 9.35            | 11.95 | 13.62 | 14.65 | -     | -     |
|                        |         |                 |             | Mid      | 9.80            | 12.36 | 13.87 | -     | 14.73 | 18.44 |
|                        |         |                 |             | High     | 9.48            | 12.07 | 13.70 | 14.70 | -     | -     |
|                        | UNII 2C | 5510            | 102         | Low      | 9.54            | 12.14 | 13.77 | 13.87 | -     | -     |
|                        |         |                 |             | Mid      | 10.03           | 12.57 | 14.04 | -     | 12.91 | 17.20 |
|                        |         |                 |             | High     | 9.70            | 12.30 | 13.88 | 13.94 | -     | -     |
|                        |         | 5550            | 110         | Low      | 9.44            | 12.09 | 13.71 | 14.34 | -     | -     |
|                        |         |                 |             | Mid      | 9.90            | 12.48 | 13.95 | -     | 14.41 | 18.97 |
|                        |         |                 |             | High     | 9.52            | 12.17 | 13.76 | 14.37 | -     | -     |
|                        |         | 5710            | 142         | Low      | 9.29            | 11.40 | 13.32 | 13.52 | -     | -     |
|                        |         |                 |             | Mid      | 9.93            | 11.95 | 13.66 | -     | 13.64 | 19.22 |
|                        |         |                 |             | High     | 9.62            | 11.72 | 13.60 | 13.68 | -     | -     |
|                        | UNII 3  | 5755            | 151         | Low      | 9.62            | 12.23 | 13.86 | 13.10 | -     | -     |
|                        |         |                 |             | Mid      | 10.09           | 12.64 | 14.12 | -     | 13.17 | 13.25 |
|                        |         |                 |             | High     | 9.82            | 12.39 | 13.99 | 13.15 | -     | -     |
|                        |         | 5795            | 159         | Low      | 9.47            | 12.03 | 13.33 | 12.94 | -     | -     |
|                        |         |                 |             | Mid      | 10.01           | 12.52 | 13.62 | -     | 13.05 | 13.05 |
|                        |         |                 |             | High     | 9.75            | 12.30 | 13.56 | 13.08 | -     | -     |
|                        | UNII 4  | 5835            | 167         | Low      | 9.42            | 12.50 | 13.76 | 13.85 | -     | -     |
|                        |         |                 |             | Mid      | 9.98            | 12.98 | 14.07 | -     | 14.03 | 13.98 |
|                        |         |                 |             | High     | 9.62            | 12.75 | 13.94 | 13.99 | -     | -     |
| 5875                   |         | 175             | Low         | 9.34     | 12.37           | 13.02 | 12.63 | -     | -     |       |
|                        |         |                 | Mid         | 9.86     | 12.87           | 13.26 | -     | 12.84 | 12.78 |       |
|                        |         |                 | High        | 9.65     | 12.72           | 13.24 | 12.81 | -     | -     |       |
| Max EIRP Power (dBm)   | UNII 4  | 5835            | 167         | Low      | 5.90            | 8.98  | 10.24 | 10.33 | -     | -     |
|                        |         |                 |             | Mid      | 6.46            | 9.46  | 10.55 | -     | 10.51 | 10.46 |

|  |  |      |     |      |      |      |       |       |      |      |
|--|--|------|-----|------|------|------|-------|-------|------|------|
|  |  |      |     | High | 6.10 | 9.23 | 10.42 | 10.47 | -    | -    |
|  |  | 5875 | 175 | Low  | 5.82 | 8.85 | 9.50  | 9.11  | -    | -    |
|  |  |      |     | Mid  | 6.34 | 9.35 | 9.74  | -     | 9.32 | 9.26 |
|  |  |      |     | High | 6.13 | 9.20 | 9.72  | 9.29  | -    | -    |

| HE80                   |         | Frequency [MHz] | Channel No. | RU Index | SUM Power (dBm) |       |       |       |       |       |       |
|------------------------|---------|-----------------|-------------|----------|-----------------|-------|-------|-------|-------|-------|-------|
|                        |         |                 |             |          | 26 T            | 52 T  | 106 T | 242 T | 484 T | 996 T | SU    |
| Max Output Power (dBm) | UNII 1  | 5210            | 42          | Low      | 10.02           | 12.72 | 14.16 | 14.26 | 14.29 | -     | -     |
|                        |         |                 |             | Mid      | 10.31           | 12.97 | 14.42 | 14.36 | -     | 14.33 | 17.44 |
|                        |         |                 |             | High     | 10.04           | 12.79 | 14.20 | 14.34 | 14.36 | -     | -     |
|                        | UNII 2A | 5290            | 58          | Low      | 10.09           | 12.62 | 13.91 | 13.99 | 14.02 | -     | -     |
|                        |         |                 |             | Mid      | 10.32           | 12.86 | 14.15 | 14.12 | -     | 14.07 | 17.23 |
|                        |         |                 |             | High     | 10.16           | 12.69 | 14.00 | 14.10 | 14.09 | -     | -     |
|                        | UNII 2C | 5530            | 106         | Low      | 9.60            | 12.10 | 13.60 | 13.74 | 12.86 | -     | -     |
|                        |         |                 |             | Mid      | 10.09           | 12.58 | 13.99 | 13.94 | -     | 13.89 | 17.11 |
|                        |         |                 |             | High     | 9.92            | 12.39 | 13.85 | 13.94 | 12.90 | -     | -     |
|                        |         | 5610            | 122         | Low      | 9.00            | 11.64 | 12.73 | 12.88 | 13.04 | -     | -     |
|                        |         |                 |             | Mid      | 9.69            | 12.37 | 13.41 | 13.24 | -     | 13.73 | 17.67 |
|                        |         |                 |             | High     | 9.65            | 12.29 | 13.35 | 13.43 | 13.42 | -     | -     |
|                        |         | 5690            | 138         | Low      | 8.83            | 11.29 | 12.55 | 12.61 | 12.75 | -     | -     |
|                        |         |                 |             | Mid      | 9.67            | 12.12 | 13.29 | 13.00 | -     | 13.63 | 17.55 |
|                        |         |                 |             | High     | 9.79            | 12.22 | 13.38 | 13.45 | 13.37 | -     | -     |
|                        | UNII 3  | 5775            | 155         | Low      | 9.35            | 11.71 | 12.94 | 13.08 | 13.17 | -     | -     |
|                        |         |                 |             | Mid      | 9.83            | 12.22 | 13.38 | 13.32 | -     | 13.29 | 12.78 |
|                        |         |                 |             | High     | 9.86            | 12.23 | 13.37 | 13.44 | 13.41 | -     | -     |
|                        | UNII 4  | 5855            | 171         | Low      | 9.52            | 12.50 | 13.58 | 13.70 | 13.86 | -     | -     |
|                        |         |                 |             | Mid      | 10.01           | 12.93 | 13.99 | 13.94 | -     | 13.89 | 13.93 |
|                        |         |                 |             | High     | 10.03           | 12.92 | 14.03 | 14.05 | 13.98 | -     | -     |
| Max EIRP Power (dBm)   | UNII 4  | 5855            | 171         | Low      | 6.00            | 8.98  | 10.06 | 10.18 | 10.34 | -     | -     |
|                        |         |                 |             | Mid      | 6.49            | 9.41  | 10.47 | 10.42 | -     | 10.37 | 10.41 |
|                        |         |                 |             | High     | 6.51            | 9.40  | 10.51 | 10.53 | 10.46 | -     | -     |

| HE160_80L                    |              | Frequency<br>[MHz] | Channel<br>No. | RU<br>Index | SUM Power<br>(dBm) |       |       |       |       |       |    |
|------------------------------|--------------|--------------------|----------------|-------------|--------------------|-------|-------|-------|-------|-------|----|
|                              |              |                    |                |             | 26 T               | 52 T  | 106 T | 242 T | 484 T | 996 T | SU |
| Max Output<br>Power<br>(dBm) | UNII<br>1&2A | 5250               | 50             | Low         | 9.73               | 12.32 | 12.87 | 12.97 | 13.03 | -     | -  |
|                              |              |                    |                | Mid         | 10.14              | 12.77 | 13.26 | 13.18 | -     | 13.10 | -  |
|                              |              |                    |                | High        | 10.24              | 12.79 | 13.30 | 13.33 | 13.27 | -     | -  |
|                              | UNII 2C      | 5570               | 114            | Low         | 9.87               | 10.50 | 10.50 | 10.67 | 10.79 | -     | -  |
|                              |              |                    |                | Mid         | 10.61              | 11.27 | 11.21 | 11.01 | -     | 11.36 | -  |
|                              |              |                    |                | High        | 10.84              | 11.53 | 11.37 | 11.38 | 11.26 | -     | -  |
|                              | UNII 3&4     | 5815               | 163            | Low         | 9.20               | 12.23 | 13.29 | 13.44 | 13.51 | -     | -  |
|                              |              |                    |                | Mid         | 9.74               | 12.81 | 13.77 | 13.70 | -     | 13.62 | -  |
|                              |              |                    |                | High        | 9.95               | 12.98 | 13.87 | 13.87 | 13.80 | -     | -  |
| Max EIRP<br>Power<br>(dBm)   | UNII 3&4     | 5815               | 163            | Low         | 5.68               | 8.71  | 9.77  | 9.92  | 9.99  | -     | -  |
|                              |              |                    |                | Mid         | 6.22               | 9.29  | 10.25 | 10.18 | -     | 10.10 | -  |
|                              |              |                    |                | High        | 6.43               | 9.46  | 10.35 | 10.35 | 10.28 | -     | -  |

| HE160_80U              |           | Frequency [MHz] | Channel No. | RU Index | SUM Power (dBm) |       |       |       |       |       |    |
|------------------------|-----------|-----------------|-------------|----------|-----------------|-------|-------|-------|-------|-------|----|
|                        |           |                 |             |          | 26 T            | 52 T  | 106 T | 242 T | 484 T | 996 T | SU |
| Max Output Power (dBm) | UNII 1&2A | 5250            | 50          | Low      | 10.19           | 12.75 | 13.27 | 13.24 | 13.17 | -     | -  |
|                        |           |                 |             | Mid      | 10.20           | 12.76 | 13.25 | 13.23 | -     | 13.08 | -  |
|                        |           |                 |             | High     | 9.97            | 12.60 | 13.06 | 13.16 | 13.14 | -     | -  |
|                        | UNII 2C   | 5570            | 114         | Low      | 10.42           | 10.85 | 10.81 | 10.90 | 10.92 | -     | -  |
|                        |           |                 |             | Mid      | 10.81           | 11.35 | 11.25 | 11.12 | -     | 11.16 | -  |
|                        |           |                 |             | High     | 10.75           | 11.24 | 11.26 | 11.26 | 11.25 | -     | -  |
|                        | UNII 3&4  | 5815            | 163         | Low      | 9.96            | 13.00 | 13.85 | 13.90 | 13.87 | -     | -  |
|                        |           |                 |             | Mid      | 10.01           | 13.02 | 13.85 | 13.93 | -     | 13.76 | -  |
|                        |           |                 |             | High     | 9.90            | 12.94 | 13.79 | 13.82 | 13.78 | -     | -  |
| Max EIRP Power (dBm)   | UNII 3&4  | 5815            | 163         | Low      | 6.44            | 9.48  | 10.33 | 10.38 | 10.35 | -     | -  |
|                        |           |                 |             | Mid      | 6.49            | 9.50  | 10.33 | 10.41 | -     | 10.24 | -  |
|                        |           |                 |             | High     | 6.38            | 9.42  | 10.27 | 10.30 | 10.26 | -     | -  |

| HE160_SU               |           | Frequency [MHz] | Channel No. | SUM Power (dBm) |
|------------------------|-----------|-----------------|-------------|-----------------|
|                        |           |                 |             | SU              |
| Max Output Power (dBm) | UNII 1&2A | 5250            | 50          | 16.93           |
|                        | UNII 2C   | 5570            | 114         | 16.90           |
|                        | UNII 3&4  | 5815            | 163         | 13.76           |
| Max EIRP Power (dBm)   | UNII 3&4  | 5815            | 163         | 10.24           |

#Note : EIRP = Conducted Power(Sum) + Ant Gain(Directional Gain)

# Limit

(UNII 1) : 23.98 dBm

(UNII 2A, 2C) : 23.98 dBm or 11 dBm + 10 log B, (where B is the 26 dB emission bandwidth in megahertz.)

(UNII 3) : 30.00 dBm

(UNII 4) : EIRP 30.0 dBm/MHz

(UNII 3&4) : Worst limit 30.00 dBm → UNII 4 Band Antenna Gain Negative

## 10.5 POWER SPECTRAL DENSITY

### 10.5.1 MIMO Ant 1

| HE20                 |         | Frequency [MHz] | Channel No. | RU Index | Max. Power Spectral Density (dBm) |       |       |       |        |
|----------------------|---------|-----------------|-------------|----------|-----------------------------------|-------|-------|-------|--------|
|                      |         |                 |             |          | 26 T                              | 52 T  | 106 T | 242 T | SU     |
| Max Output PSD (dBm) | UNII 1  | 5180            | 36          | Low      | 4.510                             | 4.279 | 2.585 | -     | -      |
|                      |         |                 |             | Mid      | 3.811                             | 4.190 | -     | 5.522 | 5.400  |
|                      |         |                 |             | High     | 4.803                             | 4.338 | 3.006 | -     | -      |
|                      |         | 5200            | 40          | Low      | 4.564                             | 4.127 | 2.708 | -     | -      |
|                      |         |                 |             | Mid      | 3.722                             | 4.140 | -     | 5.289 | 5.527  |
|                      |         |                 |             | High     | 4.799                             | 4.340 | 2.699 | -     | -      |
|                      |         | 5240            | 48          | Low      | 5.041                             | 4.412 | 2.792 | -     | -      |
|                      |         |                 |             | Mid      | 4.021                             | 4.456 | -     | 5.888 | -2.368 |
|                      |         |                 |             | High     | 5.164                             | 4.586 | 2.934 | -     | -      |
|                      | UNII 2A | 5260            | 52          | Low      | 5.285                             | 5.024 | 3.335 | -     | -      |
|                      |         |                 |             | Mid      | 4.249                             | 4.844 | -     | 5.974 | 5.858  |
|                      |         |                 |             | High     | 5.179                             | 4.781 | 3.457 | -     | -      |
|                      |         | 5280            | 56          | Low      | 5.304                             | 4.700 | 3.327 | -     | -      |
|                      |         |                 |             | Mid      | 4.030                             | 4.802 | -     | 5.915 | 5.853  |
|                      |         |                 |             | High     | 5.113                             | 4.689 | 3.284 | -     | -      |
|                      | 5320    | 64              | Low         | 5.039    | 4.854                             | 3.528 | -     | -     |        |
|                      |         |                 | Mid         | 4.239    | 4.768                             | -     | 5.769 | 5.881 |        |
|                      |         |                 | High        | 5.182    | 4.860                             | 3.434 | -     | -     |        |
|                      | UNII 2C | 5500            | 100         | Low      | 4.761                             | 4.497 | 3.040 | -     | -      |
|                      |         |                 |             | Mid      | 3.698                             | 4.454 | -     | 5.610 | 5.668  |
|                      |         |                 |             | High     | 5.076                             | 4.537 | 3.261 | -     | -      |
|                      |         | 5580            | 116         | Low      | 4.540                             | 4.593 | 3.312 | -     | -      |
|                      |         |                 |             | Mid      | 3.648                             | 4.713 | -     | 5.455 | 5.453  |
|                      |         |                 |             | High     | 4.832                             | 4.596 | 3.346 | -     | -      |
|                      | 5720    | 144             | Low         | 5.198    | 5.559                             | 4.002 | -     | -     |        |
|                      |         |                 | Mid         | 4.485    | 5.572                             | -     | 6.321 | 6.480 |        |
|                      |         |                 | High        | 5.424    | 5.666                             | 4.187 | -     | -     |        |
| UNII 3               | 5745    | 149             | Low         | 2.422    | 1.842                             | 0.350 | -     | -     |        |
|                      |         |                 | Mid         | 2.037    | 2.017                             | -     | 2.841 | 3.022 |        |
|                      |         |                 | High        | 2.421    | 1.793                             | 0.742 | -     | -     |        |
|                      | 5785    | 157             | Low         | 2.459    | 2.362                             | 0.939 | -     | -     |        |
|                      |         |                 | Mid         | 2.362    | 2.386                             | -     | 3.194 | 3.212 |        |
|                      |         |                 | High        | 2.455    | 2.222                             | 0.984 | -     | -     |        |

| HE20   |      | Frequency [MHz] | Channel No. | RU Index | Max. Power Spectral Density (dBm) |       |        |        |    |
|--------|------|-----------------|-------------|----------|-----------------------------------|-------|--------|--------|----|
|        |      |                 |             |          | 26 T                              | 52 T  | 106 T  | 242 T  | SU |
| UNII 4 | 5825 | 165             | Low         | 1.808    | 1.891                             | 0.457 | -      | -      |    |
|        |      |                 | Mid         | 1.762    | 1.697                             | -     | 2.731  | 2.539  |    |
|        |      |                 | High        | 2.128    | 1.773                             | 0.360 | -      | -      |    |
|        | 5845 | 169             | Low         | 3.726    | 3.902                             | 2.065 | -      | -      |    |
|        |      |                 | Mid         | 2.598    | 3.866                             | -     | -1.535 | -1.370 |    |
|        |      |                 | High        | 3.519    | 3.843                             | 1.970 | -      | -      |    |
|        | 5865 | 173             | Low         | 3.422    | 3.525                             | 1.633 | -      | -      |    |
|        |      |                 | Mid         | 2.293    | 3.473                             | -     | -1.682 | -1.662 |    |
|        |      |                 | High        | 3.327    | 3.786                             | 1.789 | -      | -      |    |
|        | 5885 | 177             | Low         | 4.488    | 4.205                             | 2.006 | -      | -      |    |
|        |      |                 | Mid         | 3.499    | 4.486                             | -     | -1.551 | -1.469 |    |
|        |      |                 | High        | 4.446    | 4.254                             | 1.925 | -      | -      |    |

| HE40                 |         | Frequency [MHz] | Channel No. | RU Index | Max. Power Spectral Density (dBm) |       |        |        |        |        |
|----------------------|---------|-----------------|-------------|----------|-----------------------------------|-------|--------|--------|--------|--------|
|                      |         |                 |             |          | 26 T                              | 52 T  | 106 T  | 242 T  | 484 T  | SU     |
| Max Output PSD (dBm) | UNII 1  | 5190            | 38          | Low      | 4.359                             | 4.006 | 2.494  | 3.622  | -      | -      |
|                      |         |                 |             | Mid      | 4.834                             | 4.590 | 2.648  | -      | 0.722  | 1.871  |
|                      |         |                 |             | High     | 4.817                             | 4.333 | 2.668  | 3.784  | -      | -      |
|                      |         | 5230            | 46          | Low      | 4.404                             | 4.212 | 2.683  | 3.801  | -      | -      |
|                      |         |                 |             | Mid      | 5.223                             | 4.635 | 2.818  | -      | 0.968  | -0.755 |
|                      |         |                 |             | High     | 5.012                             | 4.647 | 2.905  | 3.999  | -      | -      |
|                      | UNII 2A | 5270            | 54          | Low      | 4.718                             | 4.649 | 3.129  | 4.264  | -      | -      |
|                      |         |                 |             | Mid      | 5.242                             | 4.868 | 3.280  | -      | 1.360  | 2.078  |
|                      |         |                 |             | High     | 5.016                             | 4.612 | 3.409  | 4.296  | -      | -      |
|                      |         | 5310            | 62          | Low      | 4.977                             | 4.496 | 3.321  | 4.073  | -      | -      |
|                      |         |                 |             | Mid      | 5.426                             | 4.942 | 3.677  | -      | 1.251  | 2.391  |
|                      |         |                 |             | High     | 5.236                             | 4.889 | 3.734  | 4.227  | -      | -      |
|                      | UNII 2C | 5510            | 102         | Low      | 4.281                             | 4.040 | 2.812  | 3.759  | -      | -      |
|                      |         |                 |             | Mid      | 4.690                             | 4.560 | 3.032  | -      | 1.070  | 1.842  |
|                      |         |                 |             | High     | 4.644                             | 4.406 | 3.144  | 4.210  | -      | -      |
|                      |         | 5550            | 110         | Low      | 4.414                             | 4.206 | 3.021  | 3.650  | -      | -      |
|                      |         |                 |             | Mid      | 4.923                             | 4.774 | 3.392  | -      | 0.815  | 1.798  |
|                      |         |                 |             | High     | 4.908                             | 4.702 | 3.334  | 3.927  | -      | -      |
|                      | 5710    | 142             | Low         | 4.910    | 5.237                             | 3.680 | 4.359  | -      | -      |        |
|                      |         |                 | Mid         | 5.380    | 5.977                             | 4.164 | -      | 1.508  | 2.394  |        |
|                      |         |                 | High        | 5.435    | 5.553                             | 4.032 | 4.427  | -      | -      |        |
|                      | UNII 3  | 5755            | 151         | Low      | 1.840                             | 1.287 | 0.291  | 0.929  | -      | -      |
|                      |         |                 |             | Mid      | 2.568                             | 1.800 | 0.547  | -      | -1.886 | -1.159 |
|                      |         |                 |             | High     | 2.471                             | 1.941 | 0.459  | 0.898  | -      | -      |
| 5795                 |         | 159             | Low         | 1.969    | 1.852                             | 0.499 | 1.097  | -      | -      |        |
|                      |         |                 | Mid         | 2.416    | 2.295                             | 0.565 | -      | -1.754 | -0.815 |        |
|                      |         |                 | High        | 2.132    | 1.935                             | 0.549 | 1.058  | -      | -      |        |
| UNII 4               | 5835    | 167             | Low         | 3.131    | 4.078                             | 2.026 | -1.379 | -      | -      |        |
|                      |         |                 | Mid         | 3.833    | 4.399                             | 2.304 | -      | -4.419 | -4.351 |        |
|                      |         |                 | High        | 3.366    | 4.253                             | 1.959 | -1.366 | -      | -      |        |
|                      | 5875    | 175             | Low         | 2.832    | 3.950                             | 0.968 | -3.006 | -      | -      |        |
|                      |         |                 | Mid         | 3.369    | 4.227                             | 1.425 | -      | -5.683 | -5.722 |        |
|                      |         |                 | High        | 3.247    | 4.241                             | 1.082 | -2.751 | -      | -      |        |

| HE80                 |         | Frequency [MHz] | Channel No. | RU Index | Max. Power Spectral Density (dBm) |       |       |        |        |        |        |
|----------------------|---------|-----------------|-------------|----------|-----------------------------------|-------|-------|--------|--------|--------|--------|
|                      |         |                 |             |          | 26 T                              | 52 T  | 106 T | 242 T  | 484 T  | 996 T  | SU     |
| Max Output PSD (dBm) | UNII 1  | 5210            | 42          | Low      | 4.494                             | 4.296 | 2.242 | 3.483  | 0.632  | -      | -      |
|                      |         |                 |             | Mid      | 3.812                             | 4.502 | 2.959 | 3.789  | -      | -2.142 | -2.070 |
|                      |         |                 |             | High     | 5.151                             | 4.707 | 2.861 | 3.795  | 0.812  | -      | -      |
|                      | UNII 2A | 5290            | 58          | Low      | 4.403                             | 4.210 | 2.767 | 3.767  | 1.109  | -      | -      |
|                      |         |                 |             | Mid      | 4.451                             | 4.888 | 3.208 | 4.058  | -      | -1.803 | -1.743 |
|                      |         |                 |             | High     | 5.172                             | 4.831 | 3.482 | 4.211  | 1.199  | -      | -      |
|                      | UNII 2C | 5530            | 106         | Low      | 4.225                             | 3.883 | 2.569 | 3.666  | 0.714  | -      | -      |
|                      |         |                 |             | Mid      | 3.689                             | 4.352 | 3.140 | 3.690  | -      | -2.208 | -2.119 |
|                      |         |                 |             | High     | 4.632                             | 4.389 | 2.932 | 3.742  | 0.837  | -      | -      |
|                      |         | 5610            | 122         | Low      | 4.039                             | 3.962 | 2.448 | 2.712  | 0.359  | -      | -      |
|                      |         |                 |             | Mid      | 3.487                             | 4.599 | 3.195 | 3.239  | -      | -2.324 | -2.445 |
|                      |         |                 |             | High     | 4.673                             | 4.815 | 3.278 | 3.452  | 0.869  | -      | -      |
|                      |         | 5690            | 138         | Low      | 4.006                             | 4.448 | 3.246 | 3.339  | 0.839  | -      | -      |
|                      |         |                 |             | Mid      | 4.082                             | 5.554 | 3.982 | 4.077  | -      | -1.704 | -1.589 |
|                      |         |                 |             | High     | 5.377                             | 5.535 | 4.091 | 4.227  | 1.469  | -      | -      |
|                      | UNII 3  | 5775            | 155         | Low      | 1.572                             | 1.215 | 0.152 | 0.988  | -2.028 | -      | -      |
|                      |         |                 |             | Mid      | 2.104                             | 2.132 | 0.652 | 0.997  | -      | -4.792 | -4.883 |
|                      |         |                 |             | High     | 2.165                             | 2.022 | 0.817 | 1.009  | -1.652 | -      | -      |
|                      | UNII 4  | 5855            | 171         | Low      | 3.005                             | 3.966 | 1.343 | -1.681 | -4.818 | -      | -      |
|                      |         |                 |             | Mid      | 2.157                             | 4.407 | 1.737 | -1.447 | -      | -7.647 | -7.739 |
|                      |         |                 |             | High     | 3.436                             | 4.243 | 1.808 | -1.274 | -4.525 | -      | -      |

| HE160_80L            |           | Frequency [MHz] | Channel No. | RU Index | Max. Power Spectral Density (dBm) |       |        |        |        |        |    |
|----------------------|-----------|-----------------|-------------|----------|-----------------------------------|-------|--------|--------|--------|--------|----|
|                      |           |                 |             |          | 26 T                              | 52 T  | 106 T  | 242 T  | 484 T  | 996 T  | SU |
| Max Output PSD (dBm) | UNII 1&2A | 5250            | 50          | Low      | 2.354                             | 2.444 | -0.316 | -3.595 | -6.232 | -      | -  |
|                      |           |                 |             | Mid      | 2.138                             | 3.052 | 0.239  | -3.462 | -      | -9.229 | -  |
|                      |           |                 |             | High     | 3.264                             | 3.045 | 0.504  | -3.162 | -6.015 | -      | -  |
|                      | UNII 2C   | 5570            | 114         | Low      | 3.146                             | 1.525 | -1.443 | -4.516 | -7.268 | -      | -  |
|                      |           |                 |             | Mid      | 3.213                             | 2.455 | -0.324 | -4.162 | -      | -9.825 | -  |
|                      |           |                 |             | High     | 4.593                             | 3.038 | -0.039 | -3.548 | -6.720 | -      | -  |
|                      | UNII 3&4  | 5815            | 163         | Low      | 3.003                             | 3.423 | 1.358  | -1.886 | -4.719 | -      | -  |
|                      |           |                 |             | Mid      | 2.641                             | 3.852 | 2.049  | -1.699 | -      | -7.444 | -  |
|                      |           |                 |             | High     | 3.802                             | 4.124 | 1.997  | -1.331 | -4.402 | -      | -  |

| HE160_80U            |           | Frequency [MHz] | Channel No. | RU Index | Max. Power Spectral Density (dBm) |       |        |        |        |        |    |
|----------------------|-----------|-----------------|-------------|----------|-----------------------------------|-------|--------|--------|--------|--------|----|
|                      |           |                 |             |          | 26 T                              | 52 T  | 106 T  | 242 T  | 484 T  | 996 T  | SU |
| Max Output PSD (dBm) | UNII 1&2A | 5250            | 50          | Low      | 3.203                             | 3.074 | 0.361  | -2.940 | -6.038 | -      | -  |
|                      |           |                 |             | Mid      | 1.995                             | 3.046 | 0.458  | -3.059 | -      | -9.147 | -  |
|                      |           |                 |             | High     | 3.097                             | 2.985 | 0.516  | -2.986 | -5.927 | -      | -  |
|                      | UNII 2C   | 5570            | 114         | Low      | 4.612                             | 2.207 | -0.857 | -4.227 | -7.062 | -      | -  |
|                      |           |                 |             | Mid      | 3.999                             | 2.635 | -0.352 | -3.939 | -      | -9.894 | -  |
|                      |           |                 |             | High     | 5.067                             | 2.848 | -0.262 | -3.656 | -6.858 | -      | -  |
|                      | UNII 3&4  | 5815            | 163         | Low      | 3.835                             | 4.082 | 1.995  | -1.338 | -4.267 | -      | -  |
|                      |           |                 |             | Mid      | 2.591                             | 4.145 | 1.942  | -1.196 | -      | -7.381 | -  |
|                      |           |                 |             | High     | 3.036                             | 3.699 | 1.735  | -1.667 | -4.558 | -      | -  |

| HE160_SU             |           | Frequency [MHz] | Channel No. | Max. Power Spectral Density (dBm) |
|----------------------|-----------|-----------------|-------------|-----------------------------------|
|                      |           |                 |             | SU                                |
| Max Output PSD (dBm) | UNII 1&2A | 5250            | 50          | -5.313                            |
|                      | UNII 2C   | 5570            | 114         | -4.396                            |
|                      | UNII 3&4  | 5815            | 163         | -7.669                            |

# Limit(UNII 1, 2A, 2C) : 11.0 dBm/MHz

Limit(UNII 3) : 30.0 dBm/500 kHz

Limit(UNII 4) : (EIRP) 14 dBm/MHz

**10.5.2 MIMO Ant 2**

| HE20                 |         | Frequency [MHz] | Channel No. | RU Index | Max. Power Spectral Density (dBm) |       |       |       |        |
|----------------------|---------|-----------------|-------------|----------|-----------------------------------|-------|-------|-------|--------|
|                      |         |                 |             |          | 26 T                              | 52 T  | 106 T | 242 T | SU     |
| Max Output PSD (dBm) | UNII 1  | 5180            | 36          | Low      | 6.045                             | 5.683 | 4.540 | -     | -      |
|                      |         |                 |             | Mid      | 4.943                             | 5.680 | -     | 6.790 | 6.961  |
|                      |         |                 |             | High     | 6.056                             | 5.672 | 4.479 | -     | -      |
|                      |         | 5200            | 40          | Low      | 6.202                             | 5.680 | 4.605 | -     | -      |
|                      |         |                 |             | Mid      | 5.186                             | 5.799 | -     | 6.675 | 6.645  |
|                      |         |                 |             | High     | 6.077                             | 5.656 | 4.492 | -     | -      |
|                      |         | 5240            | 48          | Low      | 6.407                             | 6.103 | 4.740 | -     | -      |
|                      |         |                 |             | Mid      | 5.295                             | 6.125 | -     | 7.197 | -1.160 |
|                      |         |                 |             | High     | 6.249                             | 5.841 | 4.440 | -     | -      |
|                      | UNII 2A | 5260            | 52          | Low      | 6.034                             | 5.726 | 4.099 | -     | -      |
|                      |         |                 |             | Mid      | 4.745                             | 5.720 | -     | 6.746 | 6.709  |
|                      |         |                 |             | High     | 5.734                             | 5.534 | 3.948 | -     | -      |
|                      |         | 5280            | 56          | Low      | 5.808                             | 5.736 | 3.997 | -     | -      |
|                      |         |                 |             | Mid      | 5.242                             | 5.666 | -     | 6.667 | 6.579  |
|                      |         |                 |             | High     | 5.753                             | 5.525 | 4.241 | -     | -      |
|                      | 5320    | 64              | Low         | 5.884    | 5.769                             | 3.969 | -     | -     |        |
|                      |         |                 | Mid         | 4.677    | 5.663                             | -     | 6.807 | 6.822 |        |
|                      |         |                 | High        | 5.765    | 5.793                             | 4.018 | -     | -     |        |
|                      | UNII 2C | 5500            | 100         | Low      | 5.601                             | 5.309 | 3.747 | -     | -      |
|                      |         |                 |             | Mid      | 4.552                             | 5.530 | -     | 6.340 | 6.278  |
|                      |         |                 |             | High     | 5.755                             | 5.172 | 3.918 | -     | -      |
|                      |         | 5580            | 116         | Low      | 5.222                             | 4.890 | 3.333 | -     | -      |
|                      |         |                 |             | Mid      | 4.398                             | 5.252 | -     | 6.116 | 6.176  |
|                      |         |                 |             | High     | 5.396                             | 5.142 | 3.511 | -     | -      |
|                      |         | 5720            | 144         | Low      | 6.627                             | 6.161 | 4.901 | -     | -      |
|                      |         |                 |             | Mid      | 5.547                             | 6.204 | -     | 7.079 | 6.980  |
|                      |         |                 |             | High     | 6.576                             | 6.089 | 5.026 | -     | -      |
| UNII 3               | 5745    | 149             | Low         | 3.492    | 3.108                             | 1.371 | -     | -     |        |
|                      |         |                 | Mid         | 3.415    | 3.176                             | -     | 4.004 | 3.798 |        |
|                      |         |                 | High        | 3.681    | 3.205                             | 1.521 | -     | -     |        |
|                      | 5785    | 157             | Low         | 3.093    | 2.635                             | 1.081 | -     | -     |        |
|                      |         |                 | Mid         | 3.079    | 2.787                             | -     | 3.419 | 3.483 |        |
|                      |         |                 | High        | 3.189    | 2.708                             | 1.055 | -     | -     |        |

| HE20   |      | Frequency [MHz] | Channel No. | RU Index | Max. Power Spectral Density (dBm) |       |        |        |    |
|--------|------|-----------------|-------------|----------|-----------------------------------|-------|--------|--------|----|
|        |      |                 |             |          | 26 T                              | 52 T  | 106 T  | 242 T  | SU |
| UNII 4 | 5825 | 165             | Low         | 3.258    | 2.483                             | 1.419 | -      | -      |    |
|        |      |                 | Mid         | 2.794    | 2.532                             | -     | 3.521  | 3.346  |    |
|        |      |                 | High        | 3.099    | 2.545                             | 1.535 | -      | -      |    |
|        | 5845 | 169             | Low         | 4.459    | 4.489                             | 2.895 | -      | -      |    |
|        |      |                 | Mid         | 3.374    | 4.716                             | -     | -0.723 | -0.581 |    |
|        |      |                 | High        | 4.309    | 4.503                             | 2.670 | -      | -      |    |
|        | 5865 | 173             | Low         | 4.110    | 4.312                             | 2.455 | -      | -      |    |
|        |      |                 | Mid         | 3.311    | 4.362                             | -     | -0.824 | -1.010 |    |
|        |      |                 | High        | 4.232    | 4.465                             | 2.569 | -      | -      |    |
|        | 5885 | 177             | Low         | 4.963    | 4.564                             | 2.628 | -      | -      |    |
|        |      |                 | Mid         | 4.038    | 4.654                             | -     | -0.839 | -0.848 |    |
|        |      |                 | High        | 5.343    | 4.748                             | 2.622 | -      | -      |    |

| HE40                 |         | Frequency [MHz] | Channel No. | RUIndex | Max. Power Spectral Density (dBm) |       |        |        |        |        |
|----------------------|---------|-----------------|-------------|---------|-----------------------------------|-------|--------|--------|--------|--------|
|                      |         |                 |             |         | 26 T                              | 52 T  | 106 T  | 242 T  | 484 T  | SU     |
| Max Output PSD (dBm) | UNII 1  | 5190            | 38          | Low     | 5.589                             | 5.616 | 4.440  | 5.014  | -      | -      |
|                      |         |                 |             | Mid     | 5.936                             | 5.818 | 4.764  | -      | 2.042  | 2.970  |
|                      |         |                 |             | High    | 5.690                             | 5.657 | 4.462  | 4.931  | -      | -      |
|                      |         | 5230            | 46          | Low     | 5.837                             | 5.929 | 4.471  | 5.356  | -      | -      |
|                      |         |                 |             | Mid     | 6.215                             | 6.029 | 4.646  | -      | 2.313  | 0.401  |
|                      |         |                 |             | High    | 5.715                             | 5.740 | 4.409  | 5.119  | -      | -      |
|                      | UNII 2A | 5270            | 54          | Low     | 5.780                             | 5.573 | 4.025  | 4.861  | -      | -      |
|                      |         |                 |             | Mid     | 5.749                             | 5.510 | 4.150  | -      | 2.027  | 2.815  |
|                      |         |                 |             | High    | 5.368                             | 5.275 | 4.037  | 4.941  | -      | -      |
|                      |         | 5310            | 62          | Low     | 5.410                             | 5.702 | 4.240  | 5.002  | -      | -      |
|                      |         |                 |             | Mid     | 6.057                             | 5.649 | 4.262  | -      | 2.065  | 2.913  |
|                      |         |                 |             | High    | 5.457                             | 5.582 | 4.076  | 5.010  | -      | -      |
|                      | UNII 2C | 5510            | 102         | Low     | 5.205                             | 5.128 | 3.655  | 4.273  | -      | -      |
|                      |         |                 |             | Mid     | 5.644                             | 5.488 | 3.943  | -      | 1.339  | 2.408  |
|                      |         |                 |             | High    | 5.416                             | 5.182 | 3.824  | 4.259  | -      | -      |
|                      |         | 5550            | 110         | Low     | 4.901                             | 4.894 | 3.379  | 4.038  | -      | -      |
|                      |         |                 |             | Mid     | 5.400                             | 5.182 | 3.487  | -      | 1.202  | 2.167  |
|                      |         |                 |             | High    | 5.111                             | 5.103 | 3.444  | 4.182  | -      | -      |
|                      |         | 5710            | 142         | Low     | 5.909                             | 5.599 | 4.845  | 5.006  | -      | -      |
|                      |         |                 |             | Mid     | 6.541                             | 6.158 | 4.877  | -      | 2.334  | 3.162  |
|                      |         |                 |             | High    | 6.261                             | 5.976 | 5.010  | 5.332  | -      | -      |
|                      | UNII 3  | 5755            | 151         | Low     | 2.993                             | 2.834 | 1.228  | 1.955  | -      | -      |
|                      |         |                 |             | Mid     | 3.456                             | 3.284 | 1.305  | -      | -0.641 | 0.132  |
|                      |         |                 |             | High    | 3.126                             | 3.111 | 1.658  | 2.060  | -      | -      |
|                      |         | 5795            | 159         | Low     | 2.351                             | 2.328 | 0.872  | 1.724  | -      | -      |
|                      |         |                 |             | Mid     | 2.885                             | 2.631 | 0.956  | -      | -1.246 | -0.244 |
|                      |         |                 |             | High    | 2.384                             | 2.445 | 0.931  | 1.870  | -      | -      |
|                      | UNII 4  | 5835            | 167         | Low     | 4.112                             | 4.415 | 2.661  | -0.777 | -      | -      |
|                      |         |                 |             | Mid     | 4.629                             | 4.915 | 2.895  | -      | -3.581 | -3.519 |
|                      |         |                 |             | High    | 4.083                             | 4.640 | 2.813  | -0.779 | -      | -      |
| 5875                 |         | 175             | Low         | 3.807   | 4.375                             | 1.713 | -1.934 | -      | -      |        |
|                      |         |                 | Mid         | 4.661   | 4.582                             | 2.155 | -      | -4.803 | -4.737 |        |
|                      |         |                 | High        | 4.264   | 4.481                             | 1.970 | -1.855 | -      | -      |        |

| HE80                 |         | Frequency [MHz] | Channel No. | RU Index | Max. Power Spectral Density (dBm) |       |       |        |        |        |        |
|----------------------|---------|-----------------|-------------|----------|-----------------------------------|-------|-------|--------|--------|--------|--------|
|                      |         |                 |             |          | 26 T                              | 52 T  | 106 T | 242 T  | 484 T  | 996 T  | SU     |
| Max Output PSD (dBm) | UNII 1  | 5210            | 42          | Low      | 5.712                             | 5.901 | 4.281 | 4.866  | 2.105  | -      | -      |
|                      |         |                 |             | Mid      | 5.029                             | 5.924 | 4.285 | 5.117  | -      | -0.943 | -1.041 |
|                      |         |                 |             | High     | 5.665                             | 5.502 | 4.162 | 4.858  | 2.091  | -      | -      |
|                      | UNII 2A | 5290            | 58          | Low      | 5.774                             | 5.589 | 4.019 | 4.791  | 1.721  | -      | -      |
|                      |         |                 |             | Mid      | 4.763                             | 5.666 | 3.898 | 4.732  | -      | -1.369 | -1.367 |
|                      |         |                 |             | High     | 5.422                             | 5.354 | 3.664 | 4.343  | 1.755  | -      | -      |
|                      | UNII 2C | 5530            | 106         | Low      | 5.366                             | 4.789 | 3.483 | 4.040  | 1.149  | -      | -      |
|                      |         |                 |             | Mid      | 4.495                             | 5.102 | 3.805 | 4.090  | -      | -1.844 | -1.630 |
|                      |         |                 |             | High     | 5.267                             | 4.832 | 3.545 | 3.835  | 1.206  | -      | -      |
|                      |         | 5610            | 122         | Low      | 4.803                             | 4.749 | 2.791 | 3.632  | 0.984  | -      | -      |
|                      |         |                 |             | Mid      | 4.014                             | 4.992 | 3.230 | 3.755  | -      | -2.066 | -1.852 |
|                      |         |                 |             | High     | 5.025                             | 5.025 | 3.138 | 3.928  | 1.074  | -      | -      |
|                      |         | 5690            | 138         | Low      | 5.112                             | 5.184 | 3.999 | 4.257  | 1.665  | -      | -      |
|                      |         |                 |             | Mid      | 4.786                             | 6.068 | 4.556 | 4.712  | -      | -1.076 | -1.375 |
|                      |         |                 |             | High     | 6.200                             | 5.852 | 4.798 | 5.025  | 2.197  | -      | -      |
|                      | UNII 3  | 5775            | 155         | Low      | 2.029                             | 1.847 | 0.210 | 0.681  | -1.602 | -      | -      |
|                      |         |                 |             | Mid      | 2.078                             | 2.377 | 0.687 | 1.201  | -      | -4.530 | -4.635 |
|                      |         |                 |             | High     | 2.778                             | 2.377 | 0.749 | 1.340  | -1.504 | -      | -      |
|                      | UNII 4  | 5855            | 171         | Low      | 3.827                             | 4.197 | 2.084 | -1.243 | -4.082 | -      | -      |
|                      |         |                 |             | Mid      | 3.257                             | 4.478 | 2.572 | -1.166 | -      | -6.708 | -6.911 |
|                      |         |                 |             | High     | 4.598                             | 4.684 | 2.498 | -0.844 | -3.765 | -      | -      |

| HE160_80L                  |              | Frequency<br>[MHz] | Channel<br>No. | RU<br>Index | Max. Power Spectral Density (dBm) |       |        |        |        |        |    |
|----------------------------|--------------|--------------------|----------------|-------------|-----------------------------------|-------|--------|--------|--------|--------|----|
|                            |              |                    |                |             | 26 T                              | 52 T  | 106 T  | 242 T  | 484 T  | 996 T  | SU |
| Max Output<br>PSD<br>(dBm) | UNII<br>1&2A | 5250               | 50             | Low         | 4.096                             | 4.468 | 1.516  | -1.696 | -4.632 | -      | -  |
|                            |              |                    |                | Mid         | 3.315                             | 4.374 | 1.799  | -1.746 | -      | -7.660 | -  |
|                            |              |                    |                | High        | 3.956                             | 4.073 | 1.456  | -1.870 | -4.703 | -      | -  |
|                            | UNII 2C      | 5570               | 114            | Low         | 4.275                             | 2.408 | -0.472 | -3.826 | -6.673 | -      | -  |
|                            |              |                    |                | Mid         | 3.688                             | 2.948 | -0.056 | -3.579 | -      | -9.611 | -  |
|                            |              |                    |                | High        | 4.991                             | 3.285 | 0.072  | -3.436 | -6.394 | -      | -  |
|                            | UNII<br>3&4  | 5815               | 163            | Low         | 3.731                             | 3.807 | 2.216  | -1.543 | -4.523 | -      | -  |
|                            |              |                    |                | Mid         | 2.808                             | 4.222 | 2.352  | -1.434 | -      | -7.475 | -  |
|                            |              |                    |                | High        | 4.101                             | 4.677 | 2.502  | -1.013 | -4.022 | -      | -  |

| HE160_80U            |           | Frequency [MHz] | Channel No. | RU Index | Max. Power Spectral Density (dBm) |       |        |        |        |         |    |
|----------------------|-----------|-----------------|-------------|----------|-----------------------------------|-------|--------|--------|--------|---------|----|
|                      |           |                 |             |          | 26 T                              | 52 T  | 106 T  | 242 T  | 484 T  | 996 T   | SU |
| Max Output PSD (dBm) | UNII 1&2A | 5250            | 50          | Low      | 3.953                             | 4.053 | 1.553  | -2.169 | -5.152 | -       | -  |
|                      |           |                 |             | Mid      | 2.374                             | 3.726 | 0.957  | -2.400 | -      | -8.487  | -  |
|                      |           |                 |             | High     | 3.279                             | 3.456 | 0.719  | -2.770 | -5.681 | -       | -  |
|                      | UNII 2C   | 5570            | 114         | Low      | 4.330                             | 2.205 | -0.694 | -4.129 | -7.038 | -       | -  |
|                      |           |                 |             | Mid      | 3.591                             | 2.570 | -0.442 | -3.958 | -      | -10.121 | -  |
|                      |           |                 |             | High     | 4.446                             | 2.308 | -0.687 | -4.074 | -6.982 | -       | -  |
|                      | UNII 3&4  | 5815            | 163         | Low      | 4.276                             | 4.430 | 2.309  | -1.044 | -3.828 | -       | -  |
|                      |           |                 |             | Mid      | 3.504                             | 4.443 | 2.544  | -1.142 | -      | -7.170  | -  |
|                      |           |                 |             | High     | 4.354                             | 4.187 | 2.300  | -1.090 | -4.183 | -       | -  |

| HE160_SU             |           | Frequency [MHz] | Channel No. | Max. Power Spectral Density (dBm) |
|----------------------|-----------|-----------------|-------------|-----------------------------------|
|                      |           |                 |             | SU                                |
| Max Output PSD (dBm) | UNII 1&2A | 5250            | 50          | -4.418                            |
|                      | UNII 2C   | 5570            | 114         | -4.772                            |
|                      | UNII 3&4  | 5815            | 163         | -7.429                            |

# Limit(UNII 1, 2A, 2C) : 11.0 dBm/MHz

Limit(UNII 3) : 30.0 dBm/500 kHz

Limit(UNII 4) : (EIRP) 14 dBm/MHz

**10.5.3 SUM (MIMO Ant 1 + MIMO Ant 2)**

| HE20                 |         | Frequency [MHz] | Channel No. | RU Index | Max. Power Spectral Density (dBm) |       |       |       |       |
|----------------------|---------|-----------------|-------------|----------|-----------------------------------|-------|-------|-------|-------|
|                      |         |                 |             |          | 26 T                              | 52 T  | 106 T | 242 T | SU    |
| Max Output PSD (dBm) | UNII 1  | 5180            | 36          | Low      | 8.355                             | 8.048 | 6.682 | -     | -     |
|                      |         |                 |             | Mid      | 7.424                             | 8.009 | -     | 9.213 | 9.260 |
|                      |         |                 |             | High     | 8.484                             | 8.066 | 6.815 | -     | -     |
|                      |         | 5200            | 40          | Low      | 8.470                             | 7.983 | 6.770 | -     | -     |
|                      |         |                 |             | Mid      | 7.525                             | 8.058 | -     | 9.048 | 9.132 |
|                      |         |                 |             | High     | 8.495                             | 8.058 | 6.698 | -     | -     |
|                      |         | 5240            | 48          | Low      | 8.787                             | 8.349 | 6.885 | -     | -     |
|                      |         |                 |             | Mid      | 7.714                             | 8.380 | -     | 9.602 | 1.287 |
|                      |         |                 |             | High     | 8.750                             | 8.269 | 6.762 | -     | -     |
|                      | UNII 2A | 5260            | 52          | Low      | 8.685                             | 8.399 | 6.744 | -     | -     |
|                      |         |                 |             | Mid      | 7.514                             | 8.314 | -     | 9.388 | 9.314 |
|                      |         |                 |             | High     | 8.475                             | 8.184 | 6.720 | -     | -     |
|                      |         | 5280            | 56          | Low      | 8.573                             | 8.259 | 6.685 | -     | -     |
|                      |         |                 |             | Mid      | 7.688                             | 8.266 | -     | 9.318 | 9.241 |
|                      |         |                 |             | High     | 8.455                             | 8.137 | 6.799 | -     | -     |
|                      | 5320    | 64              | Low         | 8.492    | 8.346                             | 6.764 | -     | -     |       |
|                      |         |                 | Mid         | 7.473    | 8.249                             | -     | 9.329 | 9.387 |       |
|                      |         |                 | High        | 8.493    | 8.362                             | 6.746 | -     | -     |       |
|                      | UNII 2C | 5500            | 100         | Low      | 8.211                             | 7.932 | 6.418 | -     | -     |
|                      |         |                 |             | Mid      | 7.156                             | 8.035 | -     | 9.001 | 8.994 |
|                      |         |                 |             | High     | 8.439                             | 7.876 | 6.612 | -     | -     |
|                      |         | 5580            | 116         | Low      | 7.904                             | 7.754 | 6.333 | -     | -     |
|                      |         |                 |             | Mid      | 7.049                             | 8.001 | -     | 8.809 | 8.839 |
|                      |         |                 |             | High     | 8.133                             | 7.888 | 6.440 | -     | -     |
|                      |         | 5720            | 144         | Low      | 8.981                             | 8.881 | 7.485 | -     | -     |
|                      |         |                 |             | Mid      | 8.058                             | 8.910 | -     | 9.727 | 9.747 |
|                      |         |                 |             | High     | 9.048                             | 8.893 | 7.637 | -     | -     |
|                      | UNII 3  | 5745            | 149         | Low      | 6.000                             | 5.531 | 3.901 | -     | -     |
|                      |         |                 |             | Mid      | 5.790                             | 5.645 | -     | 6.472 | 6.437 |
|                      |         |                 |             | High     | 6.106                             | 5.566 | 4.159 | -     | -     |
| 5785                 |         | 157             | Low         | 5.797    | 5.511                             | 4.021 | -     | -     |       |
|                      |         |                 | Mid         | 5.745    | 5.601                             | -     | 6.318 | 6.359 |       |
|                      |         |                 | High        | 5.847    | 5.482                             | 4.030 | -     | -     |       |

| HE20               |        | Frequency [MHz] | Channel No. | RU Index | Max. Power Spectral Density (dBm) |       |        |        |       |
|--------------------|--------|-----------------|-------------|----------|-----------------------------------|-------|--------|--------|-------|
|                    |        |                 |             |          | 26 T                              | 52 T  | 106 T  | 242 T  | SU    |
|                    |        | 5825            | 165         | Low      | 5.603                             | 5.207 | 3.975  | -      | -     |
|                    |        |                 |             | Mid      | 5.318                             | 5.145 | -      | 6.154  | 5.971 |
|                    |        |                 |             | High     | 5.650                             | 5.186 | 3.997  | -      | -     |
|                    | UNII 4 | 5845            | 169         | Low      | 7.118                             | 7.216 | 5.510  | -      | -     |
|                    |        |                 |             | Mid      | 6.013                             | 7.322 | -      | 1.900  | 2.052 |
|                    |        |                 |             | High     | 6.942                             | 7.196 | 5.344  | -      | -     |
|                    |        | 5865            | 173         | Low      | 6.789                             | 6.946 | 5.074  | -      | -     |
|                    |        |                 |             | Mid      | 5.842                             | 6.950 | -      | 1.779  | 1.686 |
|                    |        |                 |             | High     | 6.813                             | 7.149 | 5.207  | -      | -     |
|                    |        | 5885            | 177         | Low      | 7.742                             | 7.398 | 5.338  | -      | -     |
|                    |        |                 |             | Mid      | 6.787                             | 7.581 | -      | 1.830  | 1.862 |
|                    |        |                 |             | High     | 7.927                             | 7.518 | 5.298  | -      | -     |
| Max EIRP PSD (dBm) | 5845   | 169             | Low         | 3.598    | 3.696                             | 1.990 | -      | -      |       |
|                    |        |                 | Mid         | 2.493    | 3.802                             | -     | -1.620 | -1.468 |       |
|                    |        |                 | High        | 3.422    | 3.676                             | 1.824 | -      | -      |       |
|                    | 5865   | 173             | Low         | 3.269    | 3.426                             | 1.554 | -      | -      |       |
|                    |        |                 | Mid         | 2.322    | 3.430                             | -     | -1.741 | -1.834 |       |
|                    |        |                 | High        | 3.293    | 3.629                             | 1.687 | -      | -      |       |
|                    | 5885   | 177             | Low         | 4.222    | 3.878                             | 1.818 | -      | -      |       |
|                    |        |                 | Mid         | 3.267    | 4.061                             | -     | -1.690 | -1.658 |       |
|                    |        |                 | High        | 4.407    | 3.998                             | 1.778 | -      | -      |       |

| HE40                 |         | Frequency [MHz] | Channel No. | RU Index | Max. Power Spectral Density (dBm) |       |       |        |        |        |
|----------------------|---------|-----------------|-------------|----------|-----------------------------------|-------|-------|--------|--------|--------|
|                      |         |                 |             |          | 26 T                              | 52 T  | 106 T | 242 T  | 484 T  | SU     |
| Max Output PSD (dBm) | UNII 1  | 5190            | 38          | Low      | 8.028                             | 7.896 | 6.585 | 7.384  | -      | -      |
|                      |         |                 |             | Mid      | 8.431                             | 8.258 | 6.844 | -      | 4.442  | 5.466  |
|                      |         |                 |             | High     | 8.286                             | 8.056 | 6.667 | 7.406  | -      | -      |
|                      |         | 5230            | 46          | Low      | 8.190                             | 8.165 | 6.679 | 7.658  | -      | -      |
|                      |         |                 |             | Mid      | 8.758                             | 8.398 | 6.838 | -      | 4.703  | 2.873  |
|                      |         |                 |             | High     | 8.388                             | 8.238 | 6.732 | 7.605  | -      | -      |
|                      | UNII 2A | 5270            | 54          | Low      | 8.292                             | 8.146 | 6.610 | 7.583  | -      | -      |
|                      |         |                 |             | Mid      | 8.514                             | 8.212 | 6.747 | -      | 4.717  | 5.473  |
|                      |         |                 |             | High     | 8.206                             | 7.967 | 6.745 | 7.641  | -      | -      |
|                      |         | 5310            | 62          | Low      | 8.210                             | 8.151 | 6.815 | 7.573  | -      | -      |
|                      |         |                 |             | Mid      | 8.764                             | 8.321 | 6.990 | -      | 4.688  | 5.670  |
|                      |         |                 |             | High     | 8.359                             | 8.260 | 6.919 | 7.647  | -      | -      |
|                      | UNII 2C | 5510            | 102         | Low      | 7.778                             | 7.629 | 6.264 | 7.034  | -      | -      |
|                      |         |                 |             | Mid      | 8.204                             | 8.059 | 6.522 | -      | 4.217  | 5.145  |
|                      |         |                 |             | High     | 8.058                             | 7.822 | 6.508 | 7.245  | -      | -      |
|                      |         | 5550            | 110         | Low      | 7.675                             | 7.574 | 6.214 | 6.859  | -      | -      |
|                      |         |                 |             | Mid      | 8.179                             | 7.993 | 6.450 | -      | 4.023  | 4.997  |
|                      |         |                 |             | High     | 8.021                             | 7.918 | 6.400 | 7.067  | -      | -      |
|                      |         | 5710            | 142         | Low      | 8.449                             | 8.432 | 7.312 | 7.705  | -      | -      |
|                      |         |                 |             | Mid      | 9.010                             | 9.079 | 7.545 | -      | 4.951  | 5.805  |
|                      |         |                 |             | High     | 8.878                             | 8.780 | 7.559 | 7.913  | -      | -      |
|                      | UNII 3  | 5755            | 151         | Low      | 5.465                             | 5.140 | 3.795 | 4.483  | -      | -      |
|                      |         |                 |             | Mid      | 6.045                             | 5.616 | 3.953 | -      | 1.791  | 2.545  |
|                      |         |                 |             | High     | 5.821                             | 5.576 | 4.110 | 4.528  | -      | -      |
|                      |         | 5795            | 159         | Low      | 5.175                             | 5.107 | 3.700 | 4.432  | -      | -      |
|                      |         |                 |             | Mid      | 5.667                             | 5.477 | 3.775 | -      | 1.518  | 2.490  |
|                      |         |                 |             | High     | 5.270                             | 5.208 | 3.755 | 4.493  | -      | -      |
| UNII 4               | 5835    | 167             | Low         | 6.660    | 7.260                             | 5.365 | 1.943 | -      | -      |        |
|                      |         |                 | Mid         | 7.260    | 7.677                             | 5.620 | -     | -0.969 | -0.905 |        |
|                      |         |                 | High        | 6.750    | 7.461                             | 5.417 | 1.948 | -      | -      |        |
|                      | 5875    | 175             | Low         | 6.357    | 7.178                             | 4.367 | 0.573 | -      | -      |        |
|                      |         |                 | Mid         | 7.074    | 7.419                             | 4.816 | -     | -2.210 | -2.191 |        |
|                      |         |                 | High        | 6.796    | 7.373                             | 4.559 | 0.731 | -      | -      |        |
| Max EIRP PSD (dBm)   | UNII 4  | 5835            | 167         | Low      | 3.140                             | 3.740 | 1.845 | -1.577 | -      | -      |
|                      |         |                 |             | Mid      | 3.740                             | 4.157 | 2.100 | -      | -4.489 | -4.425 |

|  |  |      |     |      |       |       |       |        |        |        |
|--|--|------|-----|------|-------|-------|-------|--------|--------|--------|
|  |  |      |     | High | 3.230 | 3.941 | 1.897 | -1.572 | -      | -      |
|  |  |      |     | Low  | 2.837 | 3.658 | 0.847 | -2.947 | -      | -      |
|  |  | 5875 | 175 | Mid  | 3.554 | 3.899 | 1.296 | -      | -5.730 | -5.711 |
|  |  |      |     | High | 3.276 | 3.853 | 1.039 | -2.789 | -      | -      |

| HE80                 |         | Frequency [MHz] | Channel No. | RU Index | Max. Power Spectral Density (dBm) |       |       |        |        |        |        |
|----------------------|---------|-----------------|-------------|----------|-----------------------------------|-------|-------|--------|--------|--------|--------|
|                      |         |                 |             |          | 26 T                              | 52 T  | 106 T | 242 T  | 484 T  | 996 T  | SU     |
| Max Output PSD (dBm) | UNII 1  | 5210            | 42          | Low      | 8.155                             | 8.182 | 6.390 | 7.239  | 4.441  | -      | -      |
|                      |         |                 |             | Mid      | 7.473                             | 8.281 | 6.683 | 7.513  | -      | 1.509  | 1.485  |
|                      |         |                 |             | High     | 8.425                             | 8.133 | 6.570 | 7.369  | 4.508  | -      | -      |
|                      | UNII 2A | 5290            | 58          | Low      | 8.152                             | 7.964 | 6.448 | 7.319  | 4.436  | -      | -      |
|                      |         |                 |             | Mid      | 7.620                             | 8.304 | 6.577 | 7.418  | -      | 1.430  | 1.460  |
|                      |         |                 |             | High     | 8.309                             | 8.110 | 6.584 | 7.287  | 4.496  | -      | -      |
|                      | UNII 2C | 5530            | 106         | Low      | 7.843                             | 7.369 | 6.060 | 6.867  | 3.947  | -      | -      |
|                      |         |                 |             | Mid      | 7.121                             | 7.753 | 6.496 | 6.904  | -      | 0.988  | 1.143  |
|                      |         |                 |             | High     | 7.971                             | 7.626 | 6.260 | 6.799  | 4.035  | -      | -      |
|                      |         | 5610            | 122         | Low      | 7.448                             | 7.383 | 5.633 | 6.206  | 3.693  | -      | -      |
|                      |         |                 |             | Mid      | 6.768                             | 7.810 | 6.223 | 6.515  | -      | 0.817  | 0.872  |
|                      |         |                 |             | High     | 7.862                             | 7.931 | 6.219 | 6.706  | 3.983  | -      | -      |
|                      |         | 5690            | 138         | Low      | 7.604                             | 7.841 | 6.649 | 6.832  | 4.282  | -      | -      |
|                      |         |                 |             | Mid      | 7.458                             | 8.829 | 7.289 | 7.416  | -      | 1.632  | 1.530  |
|                      |         |                 |             | High     | 8.818                             | 8.706 | 7.469 | 7.654  | 4.858  | -      | -      |
|                      | UNII 3  | 5775            | 155         | Low      | 4.816                             | 4.552 | 3.191 | 3.847  | 1.200  | -      | -      |
|                      |         |                 |             | Mid      | 5.101                             | 5.266 | 3.680 | 4.110  | -      | -1.649 | -1.747 |
|                      |         |                 |             | High     | 5.492                             | 5.213 | 3.793 | 4.187  | 1.433  | -      | -      |
| UNII 4               | 5855    | 171             | Low         | 6.445    | 7.093                             | 4.740 | 1.553 | -1.425 | -      | -      |        |
|                      |         |                 | Mid         | 5.752    | 7.453                             | 5.185 | 1.706 | -      | -4.142 | -4.295 |        |
|                      |         |                 | High        | 7.066    | 7.479                             | 5.177 | 1.956 | -1.119 | -      | -      |        |
| Max EIRP PSD (dBm)   | UNII 4  | 5855            | 171         | Low      | 2.925                             | 3.573 | 1.220 | -1.967 | -4.945 | -      | -      |
|                      |         |                 |             | Mid      | 2.232                             | 3.933 | 1.665 | -1.814 | -      | -7.662 | -7.815 |
|                      |         |                 |             | High     | 3.546                             | 3.959 | 1.657 | -1.564 | -4.639 | -      | -      |

| HE160_80L                  |              | Frequency<br>[MHz] | Channel<br>No. | RU<br>Index | Max. Power Spectral Density<br>(dBm) |       |       |        |        |        |    |
|----------------------------|--------------|--------------------|----------------|-------------|--------------------------------------|-------|-------|--------|--------|--------|----|
|                            |              |                    |                |             | 26 T                                 | 52 T  | 106 T | 242 T  | 484 T  | 996 T  | SU |
| Max Output<br>PSD<br>(dBm) | UNII<br>1&2A | 5250               | 50             | Low         | 6.322                                | 6.583 | 3.706 | 0.468  | -2.348 | -      | -  |
|                            |              |                    |                | Mid         | 5.777                                | 6.773 | 4.099 | 0.491  | -      | -5.364 | -  |
|                            |              |                    |                | High        | 6.634                                | 6.600 | 4.016 | 0.542  | -2.299 | -      | -  |
|                            | UNII<br>2C   | 5570               | 114            | Low         | 6.757                                | 4.999 | 2.080 | -1.147 | -3.950 | -      | -  |
|                            |              |                    |                | Mid         | 6.467                                | 5.719 | 2.822 | -0.850 | -      | -6.706 | -  |
|                            |              |                    |                | High        | 7.807                                | 6.174 | 3.027 | -0.481 | -3.544 | -      | -  |
|                            | UNII<br>3&4  | 5815               | 163            | Low         | 6.393                                | 6.630 | 4.818 | 1.299  | -1.610 | -      | -  |
|                            |              |                    |                | Mid         | 5.736                                | 7.051 | 5.213 | 1.446  | -      | -4.449 | -  |
|                            |              |                    |                | High        | 6.964                                | 7.420 | 5.267 | 1.841  | -1.198 | -      | -  |
| Max EIRP<br>PSD<br>(dBm)   | UNII<br>3&4  | 5815               | 163            | Low         | 2.873                                | 3.110 | 1.298 | -2.221 | -5.130 | -      | -  |
|                            |              |                    |                | Mid         | 2.216                                | 3.531 | 1.693 | -2.074 | -      | -7.969 | -  |
|                            |              |                    |                | High        | 3.444                                | 3.900 | 1.747 | -1.679 | -4.718 | -      | -  |

| HE160_80U          |          | Frequency [MHz] | Channel No. | RU Index | Max. Power Spectral Density (dBm) |           |       |        |        |        |       |
|--------------------|----------|-----------------|-------------|----------|-----------------------------------|-----------|-------|--------|--------|--------|-------|
|                    |          |                 |             |          | 26 T                              | 52 T      | 106 T | 242 T  | 484 T  | 996 T  | SU    |
|                    |          |                 |             |          | Max Output PSD (dBm)              | UNII 1&2A | 5250  | 50     | Low    | 6.604  | 6.601 |
| Mid                | 5.199    | 6.410           | 3.725       | 0.293    |                                   |           |       |        | -      | -5.794 | -     |
| High               | 6.199    | 6.237           | 3.629       | 0.134    |                                   |           |       |        | -2.792 | -      | -     |
| UNII 2C            | 5570     | 114             | Low         | 7.484    |                                   | 5.216     | 2.236 | -1.167 | -4.040 | -      | -     |
|                    |          |                 | Mid         | 6.810    |                                   | 5.613     | 2.614 | -0.938 | -      | -6.996 | -     |
|                    |          |                 | High        | 7.778    |                                   | 5.597     | 2.541 | -0.850 | -3.909 | -      | -     |
| UNII 3&4           | 5815     | 163             | Low         | 7.071    |                                   | 7.270     | 5.165 | 1.822  | -1.032 | -      | -     |
|                    |          |                 | Mid         | 6.082    |                                   | 7.307     | 5.264 | 1.841  | -      | -4.264 | -     |
|                    |          |                 | High        | 6.755    |                                   | 6.960     | 5.037 | 1.641  | -1.356 | -      | -     |
| Max EIRP PSD (dBm) | UNII 3&4 | 5815            | 163         | Low      | 3.551                             | 3.750     | 1.645 | -1.698 | -4.552 | -      | -     |
|                    |          |                 |             | Mid      | 2.562                             | 3.787     | 1.744 | -1.679 | -      | -7.784 | -     |
|                    |          |                 |             | High     | 3.235                             | 3.440     | 1.517 | -1.879 | -4.876 | -      | -     |

| HE160_SU             |           | Frequency [MHz] | Channel No. | Max. Power Spectral Density (dBm) |
|----------------------|-----------|-----------------|-------------|-----------------------------------|
|                      |           |                 |             | SU                                |
| Max Output PSD (dBm) | UNII 1&2A | 5250            | 50          | -1.832                            |
|                      | UNII 2C   | 5570            | 114         | -1.570                            |
|                      | UNII 3&4  | 5815            | 163         | -4.537                            |
| Max EIRP PSD (dBm)   | UNII 3&4  | 5815            | 163         | -8.057                            |

# Limit(UNII 1, 2A, 2C) : 11.0 dBm/MHz

Limit(UNII 3) : 30.0 dBm/500 kHz

Limit(UNII 4) : (EIRP) 14 dBm/MHz

## 10.6 STRADDLE CHANNEL

### 10.6.1 26 dB Bandwidth

#### Test Note:

1. [UNII 2C] 26 dB Bandwidth = 5725 MHz - Measured Frequency[MHz]
2. [UNII 3] 26 dB Bandwidth = Measured Frequency[MHz] -5725 MHz
3. # : 26 dB bandwidth is only located in UNII 2C. Therefore 26 dB bandwidth do not overlap.

#### 10.6.1.1 MIMO Ant1

#### 802.11ax(HE20)

| BW   | Frequency<br>[MHz] | Channel<br>No. | Tone  | RU<br>Index | 26 dB BW<br>(MHz) |        |
|------|--------------------|----------------|-------|-------------|-------------------|--------|
|      |                    |                |       |             | UNII 2C           | UNII 3 |
| HE20 | 5720               | 144            | 26 T  | 0           | 16.12             | 4.40   |
|      |                    |                |       | 4           | 14.28             | 4.36   |
|      |                    |                |       | 7           | 14.24             | 4.48   |
|      |                    |                |       | 8           | 14.08             | 5.96   |
|      |                    |                | 52 T  | 37          | 16.04             | 4.80   |
|      |                    |                |       | 38          | 14.52             | 4.60   |
|      |                    |                |       | 39          | 14.40             | 4.60   |
|      |                    |                |       | 40          | 14.48             | 5.96   |
|      |                    |                | 106 T | 53          | 16.00             | 5.04   |
|      |                    |                |       | 54          | 14.80             | 5.88   |
|      |                    |                | 242 T | 61          | 16.12             | 6.28   |
|      |                    |                | SU    | -           | 16.40             | 6.32   |

802.11ax(HE40)

| BW   | Frequency [MHz] | Channel No. | Tone  | RU Index | 26 dB BW (MHz) |        |
|------|-----------------|-------------|-------|----------|----------------|--------|
|      |                 |             |       |          | UNII 2C        | UNII 3 |
| HE40 | 5710            | 142         | 26 T  | # 0      | -              | -      |
|      |                 |             |       | 9        | 34.12          | 4.12   |
|      |                 |             |       | 16       | 34.12          | 4.52   |
|      |                 |             |       | 17       | 34.04          | 6.68   |
|      |                 |             | 52 T  | # 37     | -              | -      |
|      |                 |             |       | 41       | 34.28          | 4.12   |
|      |                 |             |       | 43       | 34.36          | 4.12   |
|      |                 |             |       | 44       | 34.20          | 6.60   |
|      |                 |             | 106 T | # 53     | -              | -      |
|      |                 |             |       | # 54     | -              | -      |
|      |                 |             |       | 55       | 34.52          | 4.84   |
|      |                 |             |       | 56       | 34.60          | 7.24   |
|      |                 |             | 242 T | # 61     | -              | -      |
|      |                 |             |       | 62       | 34.76          | 6.84   |
|      |                 |             | 484 T | 65       | 37.08          | 7.96   |
|      |                 |             | SU    | -        | 37.24          | 7.56   |

802.11ax(HE80)

| BW   | Frequency [MHz] | Channel No. | Tone  | RU Index | 26 dB BW (MHz) |        |
|------|-----------------|-------------|-------|----------|----------------|--------|
|      |                 |             |       |          | UNII 2C        | UNII 3 |
| HE80 | 5690            | 138         | 26 T  | # 0      | -              | -      |
|      |                 |             |       | # 18     | -              | -      |
|      |                 |             |       | 35       | 74.20          | 6.12   |
|      |                 |             |       | 36       | 74.20          | 8.20   |
|      |                 |             | 52 T  | # 37     | -              | -      |
|      |                 |             |       | # 45     | -              | -      |
|      |                 |             |       | 51       | 74.36          | 5.32   |
|      |                 |             |       | 52       | 74.36          | 7.40   |
|      |                 |             | 106 T | # 53     | -              | -      |
|      |                 |             |       | # 57     | -              | -      |
|      |                 |             |       | 59       | 74.84          | 4.84   |
|      |                 |             |       | 60       | 74.68          | 9.48   |
|      |                 |             | 242 T | # 61     | -              | -      |
|      |                 |             |       | # 62     | -              | -      |
|      |                 |             |       | 63       | 75.32          | 6.28   |
|      |                 |             |       | 64       | 75.00          | 9.00   |
|      |                 |             | 484 T | # 65     | -              | -      |
|      |                 |             |       | 66       | 75.32          | 8.68   |
|      |                 |             | 996 T | 67       | 79.80          | 10.12  |
|      |                 |             | SU    | -        | 79.64          | 9.32   |

**10.6.1.2 MIMO Ant2**

**802.11ax(HE20)**

| BW   | Frequency [MHz] | Channel No. | Tone  | RU Index | 26 dB BW (MHz) |        |
|------|-----------------|-------------|-------|----------|----------------|--------|
|      |                 |             |       |          | UNII 2C        | UNII 3 |
| HE20 | 5720            | 144         | 26 T  | 0        | 16.32          | 4.44   |
|      |                 |             |       | 4        | 14.08          | 4.20   |
|      |                 |             |       | 7        | 14.32          | 4.28   |
|      |                 |             |       | 8        | 14.32          | 5.88   |
|      |                 |             | 52 T  | 37       | 16.24          | 4.52   |
|      |                 |             |       | 38       | 14.52          | 4.72   |
|      |                 |             |       | 39       | 14.52          | 4.68   |
|      |                 |             |       | 40       | 14.52          | 6.16   |
|      |                 |             | 106 T | 53       | 16.20          | 4.84   |
|      |                 |             |       | 54       | 14.88          | 5.88   |
|      |                 |             | 242 T | 61       | 16.28          | 6.32   |
|      |                 |             | SU    | -        | 16.36          | 6.24   |

802.11ax(HE40)

| BW   | Frequency [MHz] | Channel No. | Tone  | RU Index | 26 dB BW (MHz) |        |
|------|-----------------|-------------|-------|----------|----------------|--------|
|      |                 |             |       |          | UNII 2C        | UNII 3 |
| HE40 | 5710            | 142         | 26 T  | # 0      | -              | -      |
|      |                 |             |       | 9        | 34.04          | 4.04   |
|      |                 |             |       | 16       | 34.12          | 4.60   |
|      |                 |             |       | 17       | 34.04          | 6.76   |
|      |                 |             | 52 T  | # 37     | -              | -      |
|      |                 |             |       | 41       | 34.20          | 4.12   |
|      |                 |             |       | 43       | 34.36          | 4.12   |
|      |                 |             |       | 44       | 34.36          | 6.52   |
|      |                 |             | 106 T | # 53     | -              | -      |
|      |                 |             |       | # 54     | -              | -      |
|      |                 |             |       | 55       | 34.68          | 4.76   |
|      |                 |             |       | 56       | 34.28          | 7.32   |
|      |                 |             | 242 T | # 61     | -              | -      |
|      |                 |             |       | 62       | 34.84          | 6.68   |
|      |                 |             | 484 T | 65       | 36.92          | 7.48   |
|      |                 |             | SU    | -        | 37.32          | 7.24   |

**802.11ax(HE80)**

| BW   | Frequency [MHz] | Channel No. | Tone  | RU Index | 26 dB BW (MHz) |        |
|------|-----------------|-------------|-------|----------|----------------|--------|
|      |                 |             |       |          | UNII 2C        | UNII 3 |
| HE80 | 5690            | 138         | 26 T  | # 0      | -              | -      |
|      |                 |             |       | # 18     | -              | -      |
|      |                 |             |       | 35       | 73.88          | 5.96   |
|      |                 |             |       | 36       | 73.88          | 7.88   |
|      |                 |             | 52 T  | # 37     | -              | -      |
|      |                 |             |       | # 45     | -              | -      |
|      |                 |             |       | 51       | 74.52          | 4.84   |
|      |                 |             |       | 52       | 74.20          | 7.56   |
|      |                 |             | 106 T | # 53     | -              | -      |
|      |                 |             |       | # 57     | -              | -      |
|      |                 |             |       | 59       | 74.52          | 5.32   |
|      |                 |             |       | 60       | 74.84          | 9.48   |
|      |                 |             | 242 T | # 61     | -              | -      |
|      |                 |             |       | # 62     | -              | -      |
|      |                 |             |       | 63       | 75.00          | 5.80   |
|      |                 |             |       | 64       | 75.32          | 8.68   |
|      |                 |             | 484 T | # 65     | -              | -      |
|      |                 |             |       | 66       | 75.48          | 8.68   |
|      |                 |             | 996 T | 67       | 79.64          | 10.44  |
|      |                 |             | SU    | -        | 80.44          | 9.64   |

**10.6.2 6 dB Bandwidth**

**Test Note:**

1. 6 dB Bandwidth = Measured Frequency[MHz] – 5725 MHz
2. # : 6 dB bandwidth is only located in UNII 2C. Therefore 6 dB bandwidth do not overlap.
3. Limit : > 0.5 MHz

**10.6.2.1 MIMO Ant1**

**802.11ax(HE20)**

| BW   | Frequency [MHz] | Channel No. | Tone  | RU Index | 6 dB BW (MHz) |
|------|-----------------|-------------|-------|----------|---------------|
|      |                 |             |       |          | UNII 3        |
| HE20 | 5720            | 144         | 26 T  | # 0      | -             |
|      |                 |             |       | # 4      | -             |
|      |                 |             |       | 7        | 2.52          |
|      |                 |             |       | 8        | 4.56          |
|      |                 |             | 52 T  | # 37     | -             |
|      |                 |             |       | # 38     | -             |
|      |                 |             |       | 39       | 2.56          |
|      |                 |             |       | 40       | 4.52          |
|      |                 |             | 106 T | # 53     | -             |
|      |                 |             |       | 54       | 4.60          |
|      |                 |             | 242 T | 61       | 4.56          |
|      |                 |             | SU    | -        | 4.52          |

802.11ax(HE40)

| BW   | Frequency [MHz] | Channel No. | Tone  | RU Index | 6 dB BW (MHz) |
|------|-----------------|-------------|-------|----------|---------------|
|      |                 |             |       |          | UNII 3        |
| HE40 | 5710            | 142         | 26 T  | # 0      | -             |
|      |                 |             |       | # 9      | -             |
|      |                 |             |       | 16       | 2.04          |
|      |                 |             |       | 17       | 4.12          |
|      |                 |             | 52 T  | # 37     | -             |
|      |                 |             |       | # 41     | -             |
|      |                 |             |       | # 43     | -0.12         |
|      |                 |             |       | 44       | 4.12          |
|      |                 |             | 106 T | # 53     | -             |
|      |                 |             |       | # 54     | -             |
|      |                 |             |       | # 55     | 1.32          |
|      |                 |             |       | 56       | 4.04          |
|      |                 |             | 242 T | # 61     | -             |
|      |                 |             |       | 62       | 4.20          |
|      |                 |             | 484 T | 65       | 4.12          |
|      |                 |             | SU    | -        | 4.12          |

802.11ax(HE80)

| BW   | Frequency [MHz] | Channel No. | Tone  | RU Index | 6 dB BW (MHz) |
|------|-----------------|-------------|-------|----------|---------------|
|      |                 |             |       |          | UNII 3        |
| HE80 | 5690            | 138         | 26 T  | # 0      | -             |
|      |                 |             |       | # 18     | -             |
|      |                 |             |       | 35       | 2.12          |
|      |                 |             |       | 36       | 4.20          |
|      |                 |             | 52 T  | # 37     | -             |
|      |                 |             |       | # 45     | -             |
|      |                 |             |       | # 51     | -0.12         |
|      |                 |             |       | 52       | 4.20          |
|      |                 |             | 106 T | # 53     | -             |
|      |                 |             |       | # 57     | -             |
|      |                 |             |       | # 59     | -6.20         |
|      |                 |             |       | 60       | 4.20          |
|      |                 |             | 242 T | # 61     | -             |
|      |                 |             |       | # 62     | -             |
|      |                 |             |       | # 63     | 2.60          |
|      |                 |             |       | 64       | 4.36          |
|      |                 |             | 484 T | # 65     | -             |
|      |                 |             |       | 66       | 4.20          |
|      |                 |             | 996 T | 67       | 4.20          |
|      |                 |             | SU    | -        | 4.36          |

10.6.2.2 MIMO Ant2

802.11ax(HE20)

| BW   | Frequency [MHz] | Channel No. | Tone  | RU Index | 6 dB BW (MHz) |
|------|-----------------|-------------|-------|----------|---------------|
|      |                 |             |       |          | UNII 3        |
| HE20 | 5720            | 144         | 26 T  | # 0      | -             |
|      |                 |             |       | # 4      | -             |
|      |                 |             |       | 7        | 2.52          |
|      |                 |             |       | 8        | 4.52          |
|      |                 |             | 52 T  | # 37     | -             |
|      |                 |             |       | # 38     | -             |
|      |                 |             |       | 39       | 1.32          |
|      |                 |             |       | 40       | 4.52          |
|      |                 |             | 106 T | # 53     | -             |
|      |                 |             |       | 54       | 4.60          |
|      |                 |             | 242 T | 61       | 4.52          |
|      |                 |             | SU    | -        | 4.52          |

802.11ax(HE40)

| BW   | Frequency [MHz] | Channel No. | Tone  | RU Index | 6 dB BW (MHz) |
|------|-----------------|-------------|-------|----------|---------------|
|      |                 |             |       |          | UNII 3        |
| HE40 | 5710            | 142         | 26 T  | # 0      | -             |
|      |                 |             |       | # 9      | -             |
|      |                 |             |       | 16       | 2.04          |
|      |                 |             |       | 17       | 4.12          |
|      |                 |             | 52 T  | # 37     | -             |
|      |                 |             |       | # 41     | -             |
|      |                 |             |       | # 43     | -0.12         |
|      |                 |             |       | 44       | 4.04          |
|      |                 |             | 106 T | # 53     | -             |
|      |                 |             |       | # 54     | -             |
|      |                 |             |       | # 55     | 2.60          |
|      |                 |             |       | 56       | 4.04          |
|      |                 |             | 242 T | # 61     | -             |
|      |                 |             |       | 62       | 4.20          |
|      |                 |             | 484 T | 65       | 4.12          |
|      |                 |             | SU    | -        | 4.12          |

**802.11ax(HE80)**

| BW   | Frequency<br>[MHz] | Channel<br>No. | Tone  | RU<br>Index | 6 dB BW<br>(MHz) |
|------|--------------------|----------------|-------|-------------|------------------|
|      |                    |                |       |             | UNII 3           |
| HE80 | 5690               | 138            | 26 T  | # 0         | -                |
|      |                    |                |       | # 18        | -                |
|      |                    |                |       | 35          | 2.12             |
|      |                    |                |       | 36          | 4.20             |
|      |                    |                | 52 T  | # 37        | -                |
|      |                    |                |       | # 45        | -                |
|      |                    |                |       | # 51        | -0.12            |
|      |                    |                |       | 52          | 4.20             |
|      |                    |                | 106 T | # 53        | -                |
|      |                    |                |       | # 57        | -                |
|      |                    |                |       | # 59        | -6.20            |
|      |                    |                |       | 60          | 4.20             |
|      |                    |                | 242 T | # 61        | -                |
|      |                    |                |       | # 62        | -                |
|      |                    |                |       | # 63        | 0.20             |
|      |                    |                |       | 64          | 4.20             |
|      |                    |                | 484 T | # 65        | -                |
|      |                    |                |       | 66          | 4.20             |
|      |                    |                | 996 T | 67          | 4.20             |
|      |                    |                | SU    | -           | 4.20             |

### 10.6.3 Output Power

**Test Note:**

1. # : 26 dB bandwidth is only located in UNII 2C. Therefore 26 dB bandwidth do not overlap.
2. Limit(2C) : 23.98 dBm or 11 dBm + 10 log B, (where B is the 26 dB emission bandwidth in megahertz.)
3. Limit(UNII 3) : 30.00 dBm
3. Limit(UNII 4) : EIRP 30.00 dBm

#### 10.6.3.1 MIMO Ant1

##### 802.11ax(HE20)

| BW   | Frequency [MHz] | Channel No. | Tone  | RU Index | Total Power (dBm) |        |
|------|-----------------|-------------|-------|----------|-------------------|--------|
|      |                 |             |       |          | UNII 2C           | UNII 3 |
| HE20 | 5720            | 144         | 26 T  | 0        | 7.05              | -21.25 |
|      |                 |             |       | 4        | 7.18              | -20.68 |
|      |                 |             |       | 7        | -9.09             | 7.25   |
|      |                 |             |       | 8        | -14.63            | 7.26   |
|      |                 |             | 52 T  | 37       | 9.11              | -18.10 |
|      |                 |             |       | 38       | 9.21              | -18.35 |
|      |                 |             |       | 39       | 8.81              | -0.72  |
|      |                 |             |       | 40       | -8.73             | 9.23   |
|      |                 |             | 106 T | 53       | 10.56             | -17.16 |
|      |                 |             |       | 54       | 7.23              | 8.05   |
|      |                 |             | 242 T | 61       | 11.19             | 6.28   |
|      |                 |             | SU    | -        | 14.94             | 10.00  |

802.11ax(HE40)

| BW   | Frequency [MHz] | Channel No. | Tone  | RU Index | Total Power (dBm) |        |
|------|-----------------|-------------|-------|----------|-------------------|--------|
|      |                 |             |       |          | UNII 2C           | UNII 3 |
| HE40 | 5710            | 142         | 26 T  | # 0      | -                 | -      |
|      |                 |             |       | 9        | 6.86              | -24.35 |
|      |                 |             |       | 16       | -2.91             | 6.33   |
|      |                 |             |       | 17       | -14.96            | 6.56   |
|      |                 |             | 52 T  | # 37     | -                 | -      |
|      |                 |             |       | 41       | 8.75              | -23.41 |
|      |                 |             |       | 43       | 8.60              | -7.87  |
|      |                 |             |       | 44       | -3.76             | 8.35   |
|      |                 |             | 106 T | # 53     | -                 | -      |
|      |                 |             |       | # 54     | -                 | -      |
|      |                 |             |       | 55       | 10.85             | -20.86 |
|      |                 |             |       | 56       | 7.98              | 7.48   |
|      |                 |             | 242 T | # 61     | -                 | -      |
|      |                 |             |       | 62       | 9.76              | 3.95   |
|      |                 |             | 484 T | 65       | 10.17             | 0.99   |
|      |                 |             | SU    | -        | 15.70             | 6.49   |

**802.11ax(HE80)**

| BW   | Frequency<br>[MHz] | Channel<br>No. | Tone  | RU<br>Index | Total Power<br>(dBm) |        |
|------|--------------------|----------------|-------|-------------|----------------------|--------|
|      |                    |                |       |             | UNII 2C              | UNII 3 |
| HE80 | 5690               | 138            | 26 T  | # 0         | -                    | -      |
|      |                    |                |       | # 18        | -                    | -      |
|      |                    |                |       | 35          | -2.88                | 6.39   |
|      |                    |                |       | 36          | -14.84               | 6.79   |
|      |                    |                | 52 T  | # 37        | -                    | -      |
|      |                    |                |       | # 45        | -                    | -      |
|      |                    |                |       | 51          | 8.71                 | -7.51  |
|      |                    |                |       | 52          | -3.64                | 8.86   |
|      |                    |                | 106 T | # 53        | -                    | -      |
|      |                    |                |       | # 57        | -                    | -      |
|      |                    |                |       | 59          | 10.21                | -22.65 |
|      |                    |                |       | 60          | 7.30                 | 7.29   |
|      |                    |                | 242 T | # 61        | -                    | -      |
|      |                    |                |       | # 62        | -                    | -      |
|      |                    |                |       | 63          | 10.06                | -22.57 |
|      |                    |                |       | 64          | 9.17                 | 3.74   |
|      |                    |                | 484 T | # 65        | -                    | -      |
|      |                    |                |       | 66          | 9.69                 | 0.77   |
|      |                    |                | 996 T | 67          | 10.14                | -1.76  |
|      |                    |                | SU    | -           | 13.78                | 1.91   |

**10.6.3.2 MIMO Ant2**

**802.11ax(HE20)**

| BW   | Frequency [MHz] | Channel No. | Tone  | RU Index | Total Power (dBm) |        |
|------|-----------------|-------------|-------|----------|-------------------|--------|
|      |                 |             |       |          | UNII 2C           | UNII 3 |
| HE20 | 5720            | 144         | 26 T  | 0        | 7.50              | -21.30 |
|      |                 |             |       | 4        | 7.58              | -20.16 |
|      |                 |             |       | 7        | -8.01             | 7.63   |
|      |                 |             |       | 8        | -14.19            | 7.61   |
|      |                 |             | 52 T  | 37       | 9.35              | -18.12 |
|      |                 |             |       | 38       | 9.45              | -19.45 |
|      |                 |             |       | 39       | 9.06              | -0.65  |
|      |                 |             |       | 40       | -8.15             | 9.41   |
|      |                 |             | 106 T | 53       | 10.56             | -19.28 |
|      |                 |             |       | 54       | 7.24              | 8.03   |
|      |                 |             | 242 T | 61       | 11.53             | 6.59   |
|      |                 |             | SU    | -        | 15.42             | 10.47  |

802.11ax(HE40)

| BW   | Frequency [MHz] | Channel No. | Tone  | RU Index | Total Power (dBm) |        |
|------|-----------------|-------------|-------|----------|-------------------|--------|
|      |                 |             |       |          | UNII 2C           | UNII 3 |
| HE40 | 5710            | 142         | 26 T  | # 0      | -                 | -      |
|      |                 |             |       | 9        | 7.32              | -23.28 |
|      |                 |             |       | 16       | -2.48             | 6.75   |
|      |                 |             |       | 17       | -13.99            | 7.09   |
|      |                 |             | 52 T  | # 37     | -                 | -      |
|      |                 |             |       | 41       | 9.31              | -22.65 |
|      |                 |             |       | 43       | 9.21              | -7.32  |
|      |                 |             |       | 44       | -3.34             | 8.89   |
|      |                 |             | 106 T | # 53     | -                 | -      |
|      |                 |             |       | # 54     | -                 | -      |
|      |                 |             |       | 55       | 10.75             | -19.53 |
|      |                 |             |       | 56       | 7.90              | 7.40   |
|      |                 |             | 242 T | # 61     | -                 | -      |
|      |                 |             |       | 62       | 9.71              | 3.90   |
|      |                 |             | 484 T | 65       | 10.15             | 0.94   |
|      |                 |             | SU    | -        | 16.19             | 6.97   |

802.11ax(HE80)

| BW   | Frequency [MHz] | Channel No. | Tone  | RU Index | Total Power (dBm) |        |
|------|-----------------|-------------|-------|----------|-------------------|--------|
|      |                 |             |       |          | UNII 2C           | UNII 3 |
| HE80 | 5690            | 138         | 26 T  | # 0      | -                 | -      |
|      |                 |             |       | # 18     | -                 | -      |
|      |                 |             |       | 35       | -1.04             | 6.66   |
|      |                 |             |       | 36       | -14.73            | 7.00   |
|      |                 |             | 52 T  | # 37     | -                 | -      |
|      |                 |             |       | # 45     | -                 | -      |
|      |                 |             |       | 51       | 9.07              | -7.14  |
|      |                 |             |       | 52       | -3.32             | 9.25   |
|      |                 |             | 106 T | # 53     | -                 | -      |
|      |                 |             |       | # 57     | -                 | -      |
|      |                 |             |       | 59       | 10.07             | -23.18 |
|      |                 |             |       | 60       | 7.18              | 7.16   |
|      |                 |             | 242 T | # 61     | -                 | -      |
|      |                 |             |       | # 62     | -                 | -      |
|      |                 |             |       | 63       | 10.00             | -23.93 |
|      |                 |             |       | 64       | 9.03              | 3.66   |
|      |                 |             | 484 T | # 65     | -                 | -      |
|      |                 |             |       | 66       | 9.59              | 0.70   |
|      |                 |             | 996 T | 67       | 9.96              | -1.97  |
|      |                 |             | SU    | -        | 14.06             | 2.10   |

### 10.6.4 Power Spectral Density

**Test Note:**

Limit(UNII 3) : 30.0 dBm/500 kHz

#### 10.6.4.1 MIMO Ant1

#### 802.11ax(HE20)

| BW   | Frequency<br>[MHz] | Channel<br>No. | Tone  | RU<br>Index | PSD<br>(dBm) |         |
|------|--------------------|----------------|-------|-------------|--------------|---------|
|      |                    |                |       |             | UNII 2C      | UNII 3  |
| HE20 | 5720               | 144            | 26 T  | 0           | 4.302        | -20.429 |
|      |                    |                |       | 4           | 3.669        | -24.619 |
|      |                    |                |       | 7           | -4.961       | 1.959   |
|      |                    |                |       | 8           | -17.972      | 1.863   |
|      |                    |                | 52 T  | 37          | 3.750        | -21.031 |
|      |                    |                |       | 38          | 3.668        | -19.564 |
|      |                    |                |       | 39          | 3.895        | 0.534   |
|      |                    |                |       | 40          | -5.772       | 0.945   |
|      |                    |                | 106 T | 53          | 2.103        | -20.202 |
|      |                    |                |       | 54          | 2.191        | -0.697  |
|      |                    |                | 242 T | 61          | 0.377        | -2.309  |
|      |                    |                | SU    | -           | 4.239        | 1.356   |

**802.11ax(HE40)**

| BW   | Frequency<br>[MHz] | Channel<br>No. | Tone  | RU<br>Index | PSD<br>(dBm) |         |
|------|--------------------|----------------|-------|-------------|--------------|---------|
|      |                    |                |       |             | UNII 2C      | UNII 3  |
| HE40 | 5710               | 142            | 26 T  | # 0         | -            | -       |
|      |                    |                |       | 9           | 4.209        | -27.036 |
|      |                    |                |       | 16          | 0.583        | 1.481   |
|      |                    |                |       | 17          | -23.531      | 1.079   |
|      |                    |                | 52 T  | # 37        | -            | -       |
|      |                    |                |       | 41          | 3.107        | -25.903 |
|      |                    |                |       | 43          | 3.208        | -11.001 |
|      |                    |                |       | 44          | -0.053       | 0.125   |
|      |                    |                | 106 T | # 53        | -            | -       |
|      |                    |                |       | # 54        | -            | -       |
|      |                    |                |       | 55          | 2.318        | -25.916 |
|      |                    |                |       | 56          | 2.225        | -0.857  |
|      |                    |                | 242 T | # 61        | -            | -       |
|      |                    |                |       | 62          | -1.216       | -4.427  |
|      |                    |                | 484 T | 65          | -4.204       | -7.087  |
|      |                    |                | SU    | -           | 1.462        | -1.635  |

**802.11ax(HE80)**

| BW    | Frequency<br>[MHz] | Channel<br>No. | Tone    | RU<br>Index | PSD<br>(dBm) |         |
|-------|--------------------|----------------|---------|-------------|--------------|---------|
|       |                    |                |         |             | UNII 2C      | UNII 3  |
| HE80  | 5690               | 138            | 26 T    | # 0         | -            | -       |
|       |                    |                |         | # 18        | -            | -       |
|       |                    |                |         | 35          | -0.092       | 0.740   |
|       |                    |                |         | 36          | -25.302      | 0.961   |
|       |                    |                | 52 T    | # 37        | -            | -       |
|       |                    |                |         | # 45        | -            | -       |
|       |                    |                |         | 51          | 3.172        | -12.401 |
|       |                    |                |         | 52          | -1.456       | 0.312   |
|       |                    |                | 106 T   | # 53        | -            | -       |
|       |                    |                |         | # 57        | -            | -       |
|       |                    |                |         | 59          | 1.689        | -31.338 |
|       |                    |                |         | 60          | 1.542        | -1.560  |
|       |                    |                | 242 T   | # 61        | -            | -       |
|       |                    |                |         | # 62        | -            | -       |
|       |                    |                |         | 63          | -2.103       | -30.223 |
|       |                    |                |         | 64          | -1.751       | -4.931  |
|       |                    |                | 484 T   | # 65        | -            | -       |
|       |                    |                |         | 66          | -4.935       | -7.842  |
| 996 T | 67                 | -7.314         | -10.398 |             |              |         |
| SU    | -                  | -3.685         | -6.992  |             |              |         |

**10.6.4.2 MIMO Ant2**

**802.11ax(HE20)**

| BW   | Frequency [MHz] | Channel No. | Tone  | RU Index | PSD (dBm) |         |
|------|-----------------|-------------|-------|----------|-----------|---------|
|      |                 |             |       |          | UNII 2C   | UNII 3  |
| HE20 | 5720            | 144         | 26 T  | 0        | 4.811     | -20.730 |
|      |                 |             |       | 4        | 3.791     | -23.469 |
|      |                 |             |       | 7        | -3.301    | 2.502   |
|      |                 |             |       | 8        | -19.917   | 2.433   |
|      |                 |             | 52 T  | 37       | 3.844     | -22.734 |
|      |                 |             |       | 38       | 3.978     | -20.713 |
|      |                 |             |       | 39       | 3.994     | 0.174   |
|      |                 |             |       | 40       | -5.021    | 1.224   |
|      |                 |             | 106 T | 53       | 2.068     | -22.335 |
|      |                 |             |       | 54       | 2.360     | -0.497  |
|      |                 |             | 242 T | 61       | 0.735     | -2.030  |
|      |                 |             | SU    | -        | 4.709     | 1.746   |

## 802.11ax(HE40)

| BW   | Frequency<br>[MHz] | Channel<br>No. | Tone  | RU<br>Index | PSD<br>(dBm) |         |
|------|--------------------|----------------|-------|-------------|--------------|---------|
|      |                    |                |       |             | UNII 2C      | UNII 3  |
| HE40 | 5710               | 142            | 26 T  | # 0         | -            | -       |
|      |                    |                |       | 9           | 4.479        | -26.250 |
|      |                    |                |       | 16          | 1.032        | 1.510   |
|      |                    |                |       | 17          | -21.716      | 1.490   |
|      |                    |                | 52 T  | # 37        | -            | -       |
|      |                    |                |       | 41          | 3.775        | -23.766 |
|      |                    |                |       | 43          | 3.865        | -10.579 |
|      |                    |                |       | 44          | 0.442        | 0.771   |
|      |                    |                | 106 T | # 53        | -            | -       |
|      |                    |                |       | # 54        | -            | -       |
|      |                    |                |       | 55          | 2.268        | -26.187 |
|      |                    |                |       | 56          | 2.095        | -0.794  |
|      |                    |                | 242 T | # 61        | -            | -       |
|      |                    |                |       | 62          | -1.104       | -4.443  |
|      |                    |                | 484 T | 65          | -4.264       | -7.484  |
|      |                    |                | SU    | -           | 1.820        | -1.434  |

**802.11ax(HE80)**

| BW    | Frequency<br>[MHz] | Channel<br>No. | Tone    | RU<br>Index | PSD<br>(dBm) |         |
|-------|--------------------|----------------|---------|-------------|--------------|---------|
|       |                    |                |         |             | UNII 2C      | UNII 3  |
| HE80  | 5690               | 138            | 26 T    | # 0         | -            | -       |
|       |                    |                |         | # 18        | -            | -       |
|       |                    |                |         | 35          | 0.105        | 0.985   |
|       |                    |                |         | 36          | -24.779      | 1.165   |
|       |                    |                | 52 T    | # 37        | -            | -       |
|       |                    |                |         | # 45        | -            | -       |
|       |                    |                |         | 51          | 3.390        | -11.985 |
|       |                    |                |         | 52          | -0.842       | 0.469   |
|       |                    |                | 106 T   | # 53        | -            | -       |
|       |                    |                |         | # 57        | -            | -       |
|       |                    |                |         | 59          | 1.375        | -31.122 |
|       |                    |                |         | 60          | 1.525        | -1.568  |
|       |                    |                | 242 T   | # 61        | -            | -       |
|       |                    |                |         | # 62        | -            | -       |
|       |                    |                |         | 63          | -1.940       | -35.138 |
|       |                    |                |         | 64          | -2.057       | -5.193  |
|       |                    |                | 484 T   | # 65        | -            | -       |
|       |                    |                |         | 66          | -5.022       | -7.932  |
| 996 T | 67                 | -7.620         | -10.835 |             |              |         |
| SU    | -                  | -3.524         | -6.982  |             |              |         |

## 10.7 RADIATED SPURIOUS EMISSIONS (9 kHz – 1 GHz)

Frequency Range : 9 kHz – 30 MHz

| Frequency               | Measured Level | CL+AF+DF-AG | ANT. POL | Total    | Limit    | Margin |
|-------------------------|----------------|-------------|----------|----------|----------|--------|
| [MHz]                   | [dBμV]         | [dB/m]      | [H/V]    | [dBμV/m] | [dBμV/m] | [dB]   |
| No Critical peaks found |                |             |          |          |          |        |

**Note:**

1. The Measured Level of emissions are attenuated more than 20 dB below the permissible limits or the field strength is too small to be measured.
2. Distance extrapolation factor =  $40 \log(\text{specific distance} / \text{test distance})$  (dB)
3. Limit line = specific Limits (dBμV) + Distance extrapolation factor

Frequency Range : Below 1 GHz

| Frequency               | Measured Level | A.F+C.L | ANT. POL | Total    | Limit    | Margin |
|-------------------------|----------------|---------|----------|----------|----------|--------|
| [MHz]                   | [dBμV]         | [dB/m]  | [H/V]    | [dBμV/m] | [dBμV/m] | [dB]   |
| No Critical peaks found |                |         |          |          |          |        |

**Note:**

1. Radiated emissions measured in frequency range from 30 MHz to 1000 MHz were made with an instrument using Quasi peak detector mode

## 10.8 RADIATED SPURIOUS EMISSIONS (Above 1 GHz)

### 10.8.1 802.11ax(HE20)

#### 1) SU

|                     |                |
|---------------------|----------------|
| Band :              | UNII 1         |
| Operation Mode:     | 802.11ax(HE20) |
| Transfer MCS Index: | MCS0           |
| Operating Frequency | 5180 MHz       |
| Channel No.         | 36 Ch          |

| Frequency<br>[MHz] | Measured<br>Level<br>[dB $\mu$ V] | A.F+C.L-<br>A.G+D.F<br>[dB/m] | ANT.<br>POL<br>[H/V] | Total<br>[dB $\mu$ V/m] | Limit<br>[dB $\mu$ V/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------------------------|-------------------------------|----------------------|-------------------------|-------------------------|----------------|---------------------|
| 10360              | 56.20                             | 8.05                          | V                    | 64.25                   | 68.20                   | 3.95           | PK                  |
| 15540              | 40.29                             | 12.94                         | V                    | 53.23                   | 73.98                   | 20.75          | PK                  |
| 15540              | 26.74                             | 12.94                         | V                    | 39.68                   | 53.98                   | 14.30          | AV                  |
| 10360              | 55.98                             | 8.05                          | H                    | 64.03                   | 68.20                   | 4.17           | PK                  |
| 15540              | 39.37                             | 12.94                         | H                    | 52.31                   | 73.98                   | 21.67          | PK                  |
| 15540              | 26.65                             | 12.94                         | H                    | 39.59                   | 53.98                   | 14.39          | AV                  |

|                     |                |
|---------------------|----------------|
| Band :              | UNII 1         |
| Operation Mode:     | 802.11ax(HE20) |
| Transfer MCS Index: | MCS0           |
| Operating Frequency | 5200 MHz       |
| Channel No.         | 40 Ch          |

| Frequency<br>[MHz] | Measured<br>Level<br>[dB $\mu$ V] | A.F+C.L-<br>A.G+D.F<br>[dB/m] | ANT.<br>POL<br>[H/V] | Total<br>[dB $\mu$ V/m] | Limit<br>[dB $\mu$ V/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------------------------|-------------------------------|----------------------|-------------------------|-------------------------|----------------|---------------------|
| 10400              | 53.88                             | 8.21                          | V                    | 62.09                   | 68.20                   | 6.11           | PK                  |
| 15600              | 39.61                             | 13.31                         | V                    | 52.92                   | 73.98                   | 21.06          | PK                  |
| 15600              | 26.43                             | 13.31                         | V                    | 39.74                   | 53.98                   | 14.24          | AV                  |
| 10400              | 52.02                             | 8.21                          | H                    | 60.23                   | 68.20                   | 7.97           | PK                  |
| 15600              | 38.83                             | 13.31                         | H                    | 52.14                   | 73.98                   | 21.84          | PK                  |
| 15600              | 26.42                             | 13.31                         | H                    | 39.73                   | 53.98                   | 14.25          | AV                  |

|                     |                |
|---------------------|----------------|
| Band :              | UNII 1         |
| Operation Mode:     | 802.11ax(HE20) |
| Transfer MCS Index: | MCS0           |
| Operating Frequency | 5240 MHz       |
| Channel No.         | 48 Ch          |

| Frequency<br>[MHz] | Measured<br>Level<br>[dB $\mu$ V] | A.F+C.L-<br>A.G+D.F<br>[dB/m] | ANT.<br>POL<br>[H/V] | Total<br>[dB $\mu$ V/m] | Limit<br>[dB $\mu$ V/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------------------------|-------------------------------|----------------------|-------------------------|-------------------------|----------------|---------------------|
| 10480              | 51.27                             | 8.55                          | V                    | 59.82                   | 68.20                   | 8.38           | PK                  |
| 15720              | 39.83                             | 13.22                         | V                    | 53.05                   | 73.98                   | 20.93          | PK                  |
| 15720              | 26.05                             | 13.22                         | V                    | 39.27                   | 53.98                   | 14.71          | AV                  |
| 10480              | 50.51                             | 8.55                          | H                    | 59.06                   | 68.20                   | 9.14           | PK                  |
| 15720              | 38.64                             | 13.22                         | H                    | 51.86                   | 73.98                   | 22.12          | PK                  |
| 15720              | 26.28                             | 13.22                         | H                    | 39.50                   | 53.98                   | 14.48          | AV                  |

|                     |                |
|---------------------|----------------|
| Band :              | UNII 2A        |
| Operation Mode:     | 802.11ax(HE20) |
| Transfer MCS Index: | MCS0           |
| Operating Frequency | 5260 MHz       |
| Channel No.         | 52 Ch          |

| Frequency<br>[MHz] | Measured<br>Level<br>[dB $\mu$ V] | A.F+C.L-<br>A.G+D.F<br>[dB/m] | ANT.<br>POL<br>[H/V] | Total<br>[dB $\mu$ V/m] | Limit<br>[dB $\mu$ V/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------------------------|-------------------------------|----------------------|-------------------------|-------------------------|----------------|---------------------|
| 10520              | 53.15                             | 8.95                          | V                    | 62.10                   | 68.20                   | 6.10           | PK                  |
| 15780              | 39.85                             | 13.89                         | V                    | 53.74                   | 73.98                   | 20.24          | PK                  |
| 15780              | 26.43                             | 13.89                         | V                    | 40.32                   | 53.98                   | 13.66          | AV                  |
| 10520              | 52.67                             | 8.95                          | H                    | 61.62                   | 68.20                   | 6.58           | PK                  |
| 15780              | 40.32                             | 13.89                         | H                    | 54.21                   | 73.98                   | 19.77          | PK                  |
| 15780              | 26.77                             | 13.89                         | H                    | 40.66                   | 53.98                   | 13.32          | AV                  |

|                     |                |
|---------------------|----------------|
| Band :              | UNII 2A        |
| Operation Mode:     | 802.11ax(HE20) |
| Transfer MCS Index: | MCS0           |
| Operating Frequency | 5300 MHz       |
| Channel No.         | 60 Ch          |

| Frequency<br>[MHz] | Measured<br>Level<br>[dBμV] | A.F+C.L-<br>A.G+D.F<br>[dB/m] | ANT.<br>POL<br>[H/V] | Total<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------------------|-------------------------------|----------------------|-------------------|-------------------|----------------|---------------------|
| 10600              | 49.46                       | 9.57                          | V                    | 59.03             | 73.98             | 14.95          | PK                  |
| 10600              | 34.86                       | 9.57                          | V                    | 44.43             | 53.98             | 9.55           | AV                  |
| 15900              | 40.99                       | 13.31                         | V                    | 54.30             | 73.98             | 19.68          | PK                  |
| 15900              | 27.25                       | 13.31                         | V                    | 40.56             | 53.98             | 13.42          | AV                  |
| 10600              | 48.91                       | 9.57                          | H                    | 58.48             | 73.98             | 15.50          | PK                  |
| 10600              | 34.53                       | 9.57                          | H                    | 44.10             | 53.98             | 9.88           | AV                  |
| 15900              | 41.19                       | 13.31                         | H                    | 54.50             | 73.98             | 19.48          | PK                  |
| 15900              | 27.35                       | 13.31                         | H                    | 40.66             | 53.98             | 13.32          | AV                  |

|                     |                |
|---------------------|----------------|
| Band :              | UNII 2A        |
| Operation Mode:     | 802.11ax(HE20) |
| Transfer MCS Index: | MCS0           |
| Operating Frequency | 5320 MHz       |
| Channel No.         | 64 Ch          |

| Frequency<br>[MHz] | Measured<br>Level<br>[dBμV] | A.F+C.L-<br>A.G+D.F<br>[dB/m] | ANT.<br>POL<br>[H/V] | Total<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------------------|-------------------------------|----------------------|-------------------|-------------------|----------------|---------------------|
| 10640              | 47.81                       | 9.71                          | V                    | 57.52             | 73.98             | 16.46          | PK                  |
| 10640              | 33.26                       | 9.71                          | V                    | 42.97             | 53.98             | 11.01          | AV                  |
| 15960              | 40.76                       | 12.93                         | V                    | 53.69             | 73.98             | 20.29          | PK                  |
| 15960              | 26.94                       | 12.93                         | V                    | 39.87             | 53.98             | 14.11          | AV                  |
| 10640              | 47.52                       | 9.71                          | H                    | 57.23             | 73.98             | 16.75          | PK                  |
| 10640              | 32.89                       | 9.71                          | H                    | 42.60             | 53.98             | 11.38          | AV                  |
| 15960              | 41.54                       | 12.93                         | H                    | 54.47             | 73.98             | 19.51          | PK                  |
| 15960              | 27.17                       | 12.93                         | H                    | 40.10             | 53.98             | 13.88          | AV                  |

|                     |                |
|---------------------|----------------|
| Band :              | UNII 2C        |
| Operation Mode:     | 802.11ax(HE20) |
| Transfer MCS Index: | MCS0           |
| Operating Frequency | 5500 MHz       |
| Channel No.         | 100 Ch         |

| Frequency<br>[MHz] | Measured<br>Level<br>[dB $\mu$ V] | A.F+C.L-<br>A.G+D.F<br>[dB/m] | ANT.<br>POL<br>[H/V] | Total<br>[dB $\mu$ V/m] | Limit<br>[dB $\mu$ V/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------------------------|-------------------------------|----------------------|-------------------------|-------------------------|----------------|---------------------|
| 11000              | 43.49                             | 9.69                          | V                    | 53.18                   | 73.98                   | 20.80          | PK                  |
| 11000              | 29.75                             | 9.69                          | V                    | 39.44                   | 53.98                   | 14.54          | AV                  |
| 16500              | 41.24                             | 12.08                         | V                    | 53.32                   | 68.20                   | 14.88          | PK                  |
| 11000              | 43.17                             | 9.69                          | H                    | 52.86                   | 73.98                   | 21.12          | PK                  |
| 11000              | 29.52                             | 9.69                          | H                    | 39.21                   | 53.98                   | 14.77          | AV                  |
| 16500              | 41.19                             | 12.08                         | H                    | 53.27                   | 68.20                   | 14.93          | PK                  |

|                     |                |
|---------------------|----------------|
| Band :              | UNII 2C        |
| Operation Mode:     | 802.11ax(HE20) |
| Transfer MCS Index: | MCS0           |
| Operating Frequency | 5580 MHz       |
| Channel No.         | 116 Ch         |

| Frequency<br>[MHz] | Measured<br>Level<br>[dB $\mu$ V] | A.F+C.L-<br>A.G+D.F<br>[dB/m] | ANT.<br>POL<br>[H/V] | Total<br>[dB $\mu$ V/m] | Limit<br>[dB $\mu$ V/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------------------------|-------------------------------|----------------------|-------------------------|-------------------------|----------------|---------------------|
| 11160              | 43.35                             | 10.22                         | V                    | 53.57                   | 73.98                   | 20.41          | PK                  |
| 11160              | 29.50                             | 10.22                         | V                    | 39.72                   | 53.98                   | 14.26          | AV                  |
| 16740              | 41.24                             | 11.40                         | V                    | 52.64                   | 68.20                   | 15.56          | PK                  |
| 11160              | 42.79                             | 10.22                         | H                    | 53.01                   | 73.98                   | 20.97          | PK                  |
| 11160              | 28.23                             | 10.22                         | H                    | 38.45                   | 53.98                   | 15.53          | AV                  |
| 16740              | 40.97                             | 11.40                         | H                    | 52.37                   | 68.20                   | 15.83          | PK                  |

Band : UNII 2C  
 Operation Mode: 802.11ax(HE20)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5720 MHz  
 Channel No. 144 Ch

| Frequency<br>[MHz] | Measured<br>Level<br>[dBμV] | A.F+C.L-<br>A.G+D.F<br>[dB/m] | ANT.<br>POL<br>[H/V] | Total<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------------------|-------------------------------|----------------------|-------------------|-------------------|----------------|---------------------|
| 11440              | 41.77                       | 10.57                         | V                    | 52.34             | 73.98             | 21.64          | PK                  |
| 11440              | 28.01                       | 10.57                         | V                    | 38.58             | 53.98             | 15.40          | AV                  |
| 17160              | 40.71                       | 12.01                         | V                    | 52.72             | 68.20             | 15.48          | PK                  |
| 11440              | 41.56                       | 10.57                         | H                    | 52.13             | 73.98             | 21.85          | PK                  |
| 11440              | 27.87                       | 10.57                         | H                    | 38.44             | 53.98             | 15.54          | AV                  |
| 17160              | 40.52                       | 12.01                         | H                    | 52.53             | 68.20             | 15.67          | PK                  |

Band : UNII 3  
 Operation Mode: 802.11ax(HE20)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5745 MHz  
 Channel No. 149 Ch

| Frequency<br>[MHz] | Measured<br>Level<br>[dBμV] | A.F+C.L-<br>A.G+D.F<br>[dB/m] | ANT.<br>POL<br>[H/V] | Total<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------------------|-------------------------------|----------------------|-------------------|-------------------|----------------|---------------------|
| 11490              | 42.23                       | 10.49                         | V                    | 52.72             | 73.98             | 21.26          | PK                  |
| 11490              | 28.17                       | 10.49                         | V                    | 38.66             | 53.98             | 15.32          | AV                  |
| 17235              | 41.29                       | 12.22                         | V                    | 53.51             | 68.20             | 14.69          | PK                  |
| 11490              | 41.88                       | 10.49                         | H                    | 52.37             | 73.98             | 21.61          | PK                  |
| 11490              | 28.11                       | 10.49                         | H                    | 38.60             | 53.98             | 15.38          | AV                  |
| 17235              | 41.09                       | 12.22                         | H                    | 53.31             | 68.20             | 14.89          | PK                  |

Band : UNII 3  
 Operation Mode: 802.11ax(HE20)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5785 MHz  
 Channel No. 157 Ch

| Frequency<br>[MHz] | Measured<br>Level<br>[dBμV] | A.F+C.L-<br>A.G+D.F<br>[dB/m] | ANT.<br>POL<br>[H/V] | Total<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------------------|-------------------------------|----------------------|-------------------|-------------------|----------------|---------------------|
| 11570              | 42.55                       | 9.92                          | V                    | 52.47             | 73.98             | 21.51          | PK                  |
| 11570              | 28.37                       | 9.92                          | V                    | 38.29             | 53.98             | 15.69          | AV                  |
| 17355              | 40.47                       | 13.11                         | V                    | 53.58             | 68.20             | 14.62          | PK                  |
| 11570              | 41.86                       | 9.92                          | H                    | 51.78             | 73.98             | 22.20          | PK                  |
| 11570              | 28.31                       | 9.92                          | H                    | 38.23             | 53.98             | 15.75          | AV                  |
| 17355              | 40.82                       | 13.11                         | H                    | 53.93             | 68.20             | 14.27          | PK                  |

Band : UNII 3  
 Operation Mode: 802.11ax(HE20)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5825 MHz  
 Channel No. 165 Ch

| Frequency<br>[MHz] | Measured<br>Level<br>[dBμV] | A.F+C.L-<br>A.G+D.F<br>[dB/m] | ANT.<br>POL<br>[H/V] | Total<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------------------|-------------------------------|----------------------|-------------------|-------------------|----------------|---------------------|
| 11650              | 42.88                       | 9.60                          | V                    | 52.48             | 73.98             | 21.50          | PK                  |
| 11650              | 28.43                       | 9.60                          | V                    | 38.03             | 53.98             | 15.95          | AV                  |
| 17475              | 40.26                       | 14.27                         | V                    | 54.53             | 68.20             | 13.67          | PK                  |
| 11650              | 42.46                       | 9.60                          | H                    | 52.06             | 73.98             | 21.92          | PK                  |
| 11650              | 28.10                       | 9.60                          | H                    | 37.70             | 53.98             | 16.28          | AV                  |
| 17475              | 40.16                       | 14.27                         | H                    | 54.43             | 68.20             | 13.77          | PK                  |

**10.8.2 802.11ax(HE40)**
**1) SU**

|                     |                |
|---------------------|----------------|
| Band :              | UNII 1         |
| Operation Mode:     | 802.11ax(HE40) |
| Transfer MCS Index: | MCS0           |
| Operating Frequency | 5190 MHz       |
| Channel No.         | 38 Ch          |

| Frequency<br>[MHz] | Measured<br>Level<br>[dB $\mu$ V] | A.F+C.L-<br>A.G+D.F<br>[dB/m] | ANT.<br>POL<br>[H/V] | Total<br>[dB $\mu$ V/m] | Limit<br>[dB $\mu$ V/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------------------------|-------------------------------|----------------------|-------------------------|-------------------------|----------------|---------------------|
| 10380              | 51.83                             | 8.19                          | V                    | 60.02                   | 68.20                   | 8.18           | PK                  |
| 15570              | 39.80                             | 13.31                         | V                    | 53.11                   | 73.98                   | 20.87          | PK                  |
| 15570              | 26.66                             | 13.31                         | V                    | 39.97                   | 53.98                   | 14.01          | AV                  |
| 10380              | 50.58                             | 8.19                          | H                    | 58.77                   | 68.20                   | 9.43           | PK                  |
| 15570              | 39.36                             | 13.31                         | H                    | 52.67                   | 73.98                   | 21.31          | PK                  |
| 15570              | 26.45                             | 13.31                         | H                    | 39.76                   | 53.98                   | 14.22          | AV                  |

|                     |                |
|---------------------|----------------|
| Band :              | UNII 1         |
| Operation Mode:     | 802.11ax(HE40) |
| Transfer MCS Index: | MCS0           |
| Operating Frequency | 5230 MHz       |
| Channel No.         | 46 Ch          |

| Frequency<br>[MHz] | Measured<br>Level<br>[dB $\mu$ V] | A.F+C.L-<br>A.G+D.F<br>[dB/m] | ANT.<br>POL<br>[H/V] | Total<br>[dB $\mu$ V/m] | Limit<br>[dB $\mu$ V/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------------------------|-------------------------------|----------------------|-------------------------|-------------------------|----------------|---------------------|
| 10460              | 49.84                             | 8.47                          | V                    | 58.31                   | 68.20                   | 9.89           | PK                  |
| 15690              | 39.94                             | 13.28                         | V                    | 53.22                   | 73.98                   | 20.76          | PK                  |
| 15690              | 26.60                             | 13.28                         | V                    | 39.88                   | 53.98                   | 14.10          | AV                  |
| 10460              | 49.04                             | 8.47                          | H                    | 57.51                   | 68.20                   | 10.69          | PK                  |
| 15690              | 39.76                             | 13.28                         | H                    | 53.04                   | 73.98                   | 20.94          | PK                  |
| 15690              | 26.48                             | 13.28                         | H                    | 39.76                   | 53.98                   | 14.22          | AV                  |

**10.8.3 802.11ax(HE80)**
**1) SU**

|                     |                |
|---------------------|----------------|
| Band :              | UNII 1         |
| Operation Mode:     | 802.11ax(HE80) |
| Transfer MCS Index: | MCS0           |
| Operating Frequency | 5210 MHz       |
| Channel No.         | 42 Ch          |

| Frequency<br>[MHz] | Measured<br>Level<br>[dB $\mu$ V] | A.F+C.L-<br>A.G+D.F<br>[dB/m] | ANT.<br>POL<br>[H/V] | Total<br>[dB $\mu$ V/m] | Limit<br>[dB $\mu$ V/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------------------------|-------------------------------|----------------------|-------------------------|-------------------------|----------------|---------------------|
| 10420              | 47.75                             | 8.31                          | V                    | 56.06                   | 68.20                   | 12.14          | PK                  |
| 15630              | 40.01                             | 13.20                         | V                    | 53.21                   | 73.98                   | 20.77          | PK                  |
| 15630              | 26.42                             | 13.20                         | V                    | 39.62                   | 53.98                   | 14.36          | AV                  |
| 10420              | 46.36                             | 8.31                          | H                    | 54.67                   | 68.20                   | 13.53          | PK                  |
| 15630              | 38.22                             | 13.20                         | H                    | 51.42                   | 73.98                   | 22.56          | PK                  |
| 15630              | 26.40                             | 13.20                         | H                    | 39.60                   | 53.98                   | 14.38          | AV                  |

**10.8.4 802.11ax(HE160)**
**1) SU**

|                     |                 |
|---------------------|-----------------|
| Band :              | UNII 1          |
| Operation Mode:     | 802.11ax(HE160) |
| Transfer MCS Index: | MCS0            |
| Operating Frequency | 5250 MHz        |
| Channel No.         | 50 Ch           |

| Frequency<br>[MHz] | Measured<br>Level<br>[dB $\mu$ V] | A.F+C.L-<br>A.G+D.F<br>[dB/m] | ANT.<br>POL<br>[H/V] | Total<br>[dB $\mu$ V/m] | Limit<br>[dB $\mu$ V/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------------------------|-------------------------------|----------------------|-------------------------|-------------------------|----------------|---------------------|
| 10500              | 44.55                             | 8.62                          | V                    | 53.17                   | 68.20                   | 15.03          | PK                  |
| 15750              | 39.88                             | 13.53                         | V                    | 53.41                   | 73.98                   | 20.57          | PK                  |
| 15750              | 27.56                             | 13.53                         | V                    | 41.09                   | 53.98                   | 12.89          | AV                  |
| 10500              | 43.59                             | 8.62                          | H                    | 52.21                   | 68.20                   | 15.99          | PK                  |
| 15750              | 39.58                             | 13.53                         | H                    | 53.11                   | 73.98                   | 20.87          | PK                  |
| 15750              | 27.37                             | 13.53                         | H                    | 40.90                   | 53.98                   | 13.08          | AV                  |

**Note:**

All Modes of operation were investigated and the worst case configuration results are reported. In order to simplify the report, We only have attached RSE result of worst case.

## 10.9 UNII4 Band

### 10.9.1 802.11ax(HE20)

|                     |                |
|---------------------|----------------|
| Band :              | UNII 4         |
| Operation Mode:     | 802.11ax(HE20) |
| Transfer MCS Index: | MCS0           |
| Operating Frequency | 5845 MHz       |
| Channel No.         | 169 Ch         |

| Frequency<br>[MHz] | Measured<br>Level<br>[dB $\mu$ V] | A.F+C.L-<br>A.G+D.F<br>[dB/m] | ANT.<br>POL<br>[H/V] | Total<br>[dB $\mu$ V/m] | Limit<br>[dB $\mu$ V/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------------------------|-------------------------------|----------------------|-------------------------|-------------------------|----------------|---------------------|
| 11690              | 42.23                             | 9.68                          | V                    | 51.91                   | 73.98                   | 22.07          | PK                  |
| 11690              | 28.26                             | 9.68                          | V                    | 37.94                   | 53.98                   | 16.04          | AV                  |
| 17535              | 40.75                             | 14.59                         | V                    | 55.34                   | 68.20                   | 12.86          | PK                  |
| 11690              | 41.89                             | 9.68                          | H                    | 51.57                   | 73.98                   | 22.41          | PK                  |
| 11690              | 28.08                             | 9.68                          | H                    | 37.76                   | 53.98                   | 16.22          | AV                  |
| 17535              | 40.18                             | 14.59                         | H                    | 54.77                   | 68.20                   | 13.43          | PK                  |

|                     |                |
|---------------------|----------------|
| Band :              | UNII 4         |
| Operation Mode:     | 802.11ax(HE20) |
| Transfer MCS Index: | MCS0           |
| Operating Frequency | 5865 MHz       |
| Channel No.         | 173 Ch         |

| Frequency<br>[MHz] | Measured<br>Level<br>[dB $\mu$ V] | A.F+C.L-<br>A.G+D.F<br>[dB/m] | ANT.<br>POL<br>[H/V] | Total<br>[dB $\mu$ V/m] | Limit<br>[dB $\mu$ V/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------------------------|-------------------------------|----------------------|-------------------------|-------------------------|----------------|---------------------|
| 11730              | 42.75                             | 9.63                          | V                    | 52.38                   | 73.98                   | 21.60          | PK                  |
| 11730              | 28.99                             | 9.63                          | V                    | 38.62                   | 53.98                   | 15.36          | AV                  |
| 17595              | 40.97                             | 14.80                         | V                    | 55.77                   | 68.20                   | 12.43          | PK                  |
| 11730              | 41.89                             | 9.63                          | H                    | 51.52                   | 73.98                   | 22.46          | PK                  |
| 11730              | 28.77                             | 9.63                          | H                    | 38.40                   | 53.98                   | 15.58          | AV                  |
| 17595              | 40.31                             | 14.80                         | H                    | 55.11                   | 68.20                   | 13.09          | PK                  |

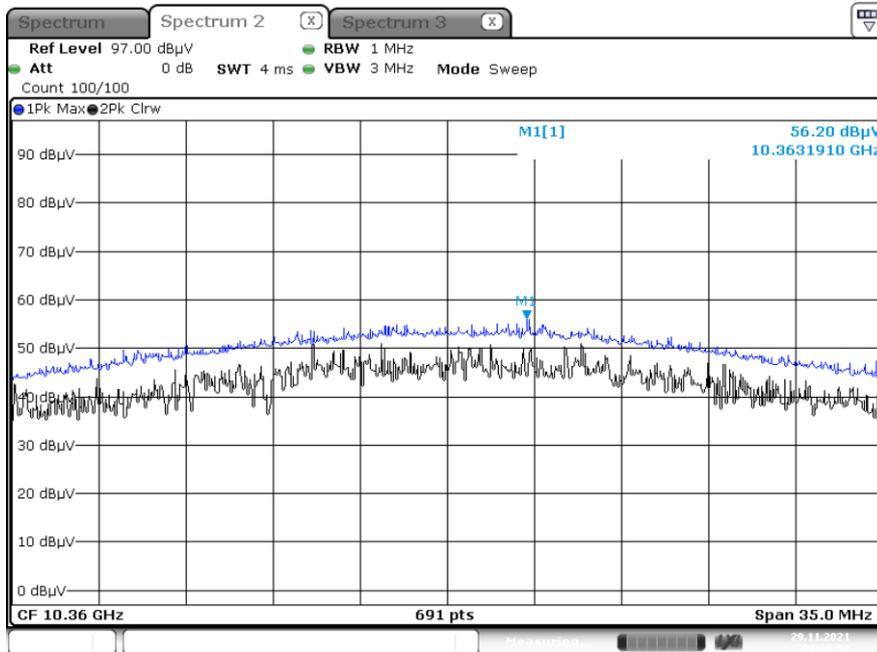
|                     |                |
|---------------------|----------------|
| Band :              | UNII 4         |
| Operation Mode:     | 802.11ax(HE20) |
| Transfer MCS Index: | MCS0           |
| Operating Frequency | 5885 MHz       |
| Channel No.         | 177 Ch         |

| Frequency<br>[MHz] | Measured<br>Level<br>[dBμV] | A.F+C.L-<br>A.G+D.F<br>[dB/m] | ANT.<br>POL<br>[H/V] | Total<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------------------|-------------------------------|----------------------|-------------------|-------------------|----------------|---------------------|
| 11770              | 42.78                       | 9.47                          | V                    | 52.25             | 73.98             | 21.73          | PK                  |
| 11770              | 28.94                       | 9.47                          | V                    | 38.41             | 53.98             | 15.57          | AV                  |
| 17655              | 40.85                       | 15.23                         | V                    | 56.08             | 68.20             | 12.12          | PK                  |
| 11770              | 42.21                       | 9.47                          | H                    | 51.68             | 73.98             | 22.30          | PK                  |
| 11770              | 28.85                       | 9.47                          | H                    | 38.32             | 53.98             | 15.66          | AV                  |
| 17655              | 40.10                       | 15.23                         | H                    | 55.33             | 68.20             | 12.87          | PK                  |

[MIMO]

▣ Test Plots\_SU

Peak result (802.11ax(HE20), Ch.36 2nd Harmonic, X-V)



**Note:**

Only the worst case plots for Radiated Spurious Emissions.

## 10.9 RADIATED RESTRICTED BAND EDGE

### 10.9.1 MIMO

#### 1) 802.11ax(HE20)

##### 1.1) 26 Tone

|                     |                |
|---------------------|----------------|
| Band :              | UNII 1         |
| Operation Mode:     | 802.11ax(HE20) |
| Transfer Rate:      | MCS0           |
| Operating Frequency | 5180 MHz       |
| Channel No.         | 36 Ch          |
| RU offset.          | 0              |

| Frequency<br>[MHz] | Measured Level<br>[dBμV] | A.F+C.L-A.G<br>+ATT+D.F<br>[dB/m] | ANT. POL<br>[H/V] | Total<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Measurement Type |
|--------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|----------------|------------------|
| 5150               | 42.78                    | 9.11                              | H                 | 51.89             | 73.98             | 22.09          | PK               |
| 5150               | 31.91                    | 9.11                              | H                 | 41.02             | 53.98             | 12.96          | AV               |
| 5150               | 43.66                    | 9.11                              | V                 | 52.77             | 73.98             | 21.21          | PK               |
| 5150               | 30.89                    | 9.11                              | V                 | 40.00             | 53.98             | 13.98          | AV               |

|                     |                |
|---------------------|----------------|
| Band :              | UNII 2A        |
| Operation Mode:     | 802.11ax(HE20) |
| Transfer Rate:      | MCS0           |
| Operating Frequency | 5320 MHz       |
| Channel No.         | 64 Ch          |
| RU offset.          | 8              |

| Frequency<br>[MHz] | Measured Level<br>[dBμV] | A.F+C.L-A.G<br>+ATT+D.F<br>[dB/m] | ANT. POL<br>[H/V] | Total<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Measurement Type |
|--------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|----------------|------------------|
| 5350               | 43.45                    | 8.71                              | H                 | 52.16             | 73.98             | 21.82          | PK               |
| 5350               | 30.84                    | 8.71                              | H                 | 39.55             | 53.98             | 14.43          | AV               |
| 5350               | 42.37                    | 8.71                              | V                 | 51.08             | 73.98             | 22.90          | PK               |
| 5350               | 30.57                    | 8.71                              | V                 | 39.28             | 53.98             | 14.70          | AV               |

|                     |                |
|---------------------|----------------|
| Band :              | UNII 2C        |
| Operation Mode:     | 802.11ax(HE20) |
| Transfer Rate:      | MCS0           |
| Operating Frequency | 5500 MHz       |
| Channel No.         | 100 Ch         |
| RU offset.          | 0              |

| Frequency<br>[MHz] | Measured<br>Level<br>[dBμV] | A.F+C.L-A.G<br>+ATT+D.F<br>[dB/m] | ANT. POL<br>[H/V] | Total<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------------------|-----------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 5460               | 44.81                       | 9.30                              | H                 | 54.11             | 73.98             | 19.87          | PK                  |
| 5460               | 30.82                       | 9.30                              | H                 | 40.12             | 53.98             | 13.86          | AV                  |
| 5470               | 43.34                       | 9.34                              | H                 | 52.68             | 68.20             | 15.52          | PK                  |
| 5460               | 44.39                       | 9.30                              | V                 | 53.69             | 73.98             | 20.29          | PK                  |
| 5460               | 30.35                       | 9.30                              | V                 | 39.65             | 53.98             | 14.33          | AV                  |
| 5470               | 43.05                       | 9.34                              | V                 | 52.39             | 68.20             | 15.81          | PK                  |

**1.2) 52 Tone**

|                     |                |
|---------------------|----------------|
| Band :              | UNII 1         |
| Operation Mode:     | 802.11ax(HE20) |
| Transfer Rate:      | MCS0           |
| Operating Frequency | 5180 MHz       |
| Channel No.         | 36 Ch          |
| RU offset.          | 37             |

| Frequency<br>[MHz] | Measured Level<br>[dBμV] | A.F+C.L-A.G<br>+ATT+D.F<br>[dB/m] | ANT. POL<br>[H/V] | Total<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Measurement Type |
|--------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|----------------|------------------|
| 5150               | 42.86                    | 9.11                              | H                 | 51.97             | 73.98             | 22.01          | PK               |
| 5150               | 31.03                    | 9.11                              | H                 | 40.14             | 53.98             | 13.84          | AV               |
| 5150               | 41.76                    | 9.11                              | V                 | 50.87             | 73.98             | 23.11          | PK               |
| 5150               | 30.58                    | 9.11                              | V                 | 39.69             | 53.98             | 14.29          | AV               |

|                     |                |
|---------------------|----------------|
| Band :              | UNII 2A        |
| Operation Mode:     | 802.11ax(HE20) |
| Transfer Rate:      | MCS0           |
| Operating Frequency | 5320 MHz       |
| Channel No.         | 64 Ch          |
| RU offset.          | 40             |

| Frequency<br>[MHz] | Measured Level<br>[dBμV] | A.F+C.L-A.G<br>+ATT+D.F<br>[dB/m] | ANT. POL<br>[H/V] | Total<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Measurement Type |
|--------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|----------------|------------------|
| 5350               | 43.35                    | 8.71                              | H                 | 52.06             | 73.98             | 21.92          | PK               |
| 5350               | 31.03                    | 8.71                              | H                 | 39.74             | 53.98             | 14.24          | AV               |
| 5350               | 42.63                    | 8.71                              | V                 | 51.34             | 73.98             | 22.64          | PK               |
| 5350               | 30.87                    | 8.71                              | V                 | 39.58             | 53.98             | 14.40          | AV               |

|                     |                |
|---------------------|----------------|
| Band :              | UNII 2C        |
| Operation Mode:     | 802.11ax(HE20) |
| Transfer Rate:      | MCS0           |
| Operating Frequency | 5500 MHz       |
| Channel No.         | 100 Ch         |
| RU offset.          | 37             |

| Frequency<br>[MHz] | Measured Level<br>[dB $\mu$ V] | A.F+C.L-A.G<br>+ATT+D.F<br>[dB/m] | ANT. POL<br>[H/V] | Total<br>[dB $\mu$ V/m] | Limit<br>[dB $\mu$ V/m] | Margin<br>[dB] | Measurement Type |
|--------------------|--------------------------------|-----------------------------------|-------------------|-------------------------|-------------------------|----------------|------------------|
| 5460               | 45.37                          | 9.30                              | H                 | 54.67                   | 73.98                   | 19.31          | PK               |
| 5460               | 30.85                          | 9.30                              | H                 | 40.15                   | 53.98                   | 13.83          | AV               |
| 5470               | 43.41                          | 9.34                              | H                 | 52.75                   | 68.20                   | 15.45          | PK               |
| 5460               | 44.03                          | 9.30                              | V                 | 53.33                   | 73.98                   | 20.65          | PK               |
| 5460               | 30.50                          | 9.30                              | V                 | 39.80                   | 53.98                   | 14.18          | AV               |
| 5470               | 42.24                          | 9.34                              | V                 | 51.58                   | 68.20                   | 16.62          | PK               |

**1.3) 106 Tone**

|                     |                |
|---------------------|----------------|
| Band :              | UNII 1         |
| Operation Mode:     | 802.11ax(HE20) |
| Transfer Rate:      | MCS0           |
| Operating Frequency | 5180 MHz       |
| Channel No.         | 36 Ch          |
| RU offset.          | 53             |

| Frequency<br>[MHz] | Measured Level<br>[dBμV] | A.F+C.L-A.G<br>+ATT+D.F<br>[dB/m] | ANT. POL<br>[H/V] | Total<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Measurement Type |
|--------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|----------------|------------------|
| 5150               | 44.02                    | 9.11                              | H                 | 53.13             | 73.98             | 20.85          | PK               |
| 5150               | 31.57                    | 9.11                              | H                 | 40.68             | 53.98             | 13.30          | AV               |
| 5150               | 42.44                    | 9.11                              | V                 | 51.55             | 73.98             | 22.43          | PK               |
| 5150               | 30.35                    | 9.11                              | V                 | 39.46             | 53.98             | 14.52          | AV               |

|                     |                |
|---------------------|----------------|
| Band :              | UNII 2A        |
| Operation Mode:     | 802.11ax(HE20) |
| Transfer Rate:      | MCS0           |
| Operating Frequency | 5320 MHz       |
| Channel No.         | 64 Ch          |
| RU offset.          | 54             |

| Frequency<br>[MHz] | Measured Level<br>[dBμV] | A.F+C.L-A.G<br>+ATT+D.F<br>[dB/m] | ANT. POL<br>[H/V] | Total<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Measurement Type |
|--------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|----------------|------------------|
| 5350               | 43.43                    | 8.71                              | H                 | 52.14             | 73.98             | 21.84          | PK               |
| 5350               | 31.25                    | 8.71                              | H                 | 39.96             | 53.98             | 14.02          | AV               |
| 5350               | 42.67                    | 8.71                              | V                 | 51.38             | 73.98             | 22.60          | PK               |
| 5350               | 30.72                    | 8.71                              | V                 | 39.43             | 53.98             | 14.55          | AV               |

|                     |                |
|---------------------|----------------|
| Band :              | UNII 2C        |
| Operation Mode:     | 802.11ax(HE20) |
| Transfer Rate:      | MCS0           |
| Operating Frequency | 5500 MHz       |
| Channel No.         | 100 Ch         |
| RU offset.          | 53             |

| Frequency<br>[MHz] | Measured Level<br>[dBμV] | A.F+C.L-A.G<br>+ATT+D.F<br>[dB/m] | ANT. POL<br>[H/V] | Total<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Measurement Type |
|--------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|----------------|------------------|
| 5460               | 43.55                    | 9.30                              | H                 | 52.85             | 73.98             | 21.13          | PK               |
| 5460               | 30.79                    | 9.30                              | H                 | 40.09             | 53.98             | 13.89          | AV               |
| 5470               | 45.16                    | 9.34                              | H                 | 54.50             | 68.20             | 13.70          | PK               |
| 5460               | 42.90                    | 9.30                              | V                 | 52.20             | 73.98             | 21.78          | PK               |
| 5460               | 30.56                    | 9.30                              | V                 | 39.86             | 53.98             | 14.12          | AV               |
| 5470               | 44.09                    | 9.34                              | V                 | 53.43             | 68.20             | 14.77          | PK               |

**1.4) 242 Tone**

|                     |                |
|---------------------|----------------|
| Band :              | UNII 1         |
| Operation Mode:     | 802.11ax(HE20) |
| Transfer Rate:      | MCS0           |
| Operating Frequency | 5180 MHz       |
| Channel No.         | 36 Ch          |
| RU offset.          | 61             |

| Frequency<br>[MHz] | Measured Level<br>[dBμV] | A.F+C.L-A.G<br>+ATT+D.F<br>[dB/m] | ANT. POL<br>[H/V] | Total<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Measurement Type |
|--------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|----------------|------------------|
| 5150               | 45.44                    | 9.11                              | H                 | 54.55             | 73.98             | 19.43          | PK               |
| 5150               | 31.67                    | 9.11                              | H                 | 40.78             | 53.98             | 13.20          | AV               |
| 5150               | 44.79                    | 9.11                              | V                 | 53.90             | 73.98             | 20.08          | PK               |
| 5150               | 31.51                    | 9.11                              | V                 | 40.62             | 53.98             | 13.36          | AV               |

|                     |                |
|---------------------|----------------|
| Band :              | UNII 2A        |
| Operation Mode:     | 802.11ax(HE20) |
| Transfer Rate:      | MCS0           |
| Operating Frequency | 5320 MHz       |
| Channel No.         | 64 Ch          |
| RU offset.          | 61             |

| Frequency<br>[MHz] | Measured Level<br>[dBμV] | A.F+C.L-A.G<br>+ATT+D.F<br>[dB/m] | ANT. POL<br>[H/V] | Total<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Measurement Type |
|--------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|----------------|------------------|
| 5350               | 45.27                    | 8.71                              | H                 | 53.98             | 73.98             | 20.00          | PK               |
| 5350               | 31.82                    | 8.71                              | H                 | 40.53             | 53.98             | 13.45          | AV               |
| 5350               | 44.97                    | 8.71                              | V                 | 53.68             | 73.98             | 20.30          | PK               |
| 5350               | 31.40                    | 8.71                              | V                 | 40.11             | 53.98             | 13.87          | AV               |

|                     |                |
|---------------------|----------------|
| Band :              | UNII 2C        |
| Operation Mode:     | 802.11ax(HE20) |
| Transfer Rate:      | MCS0           |
| Operating Frequency | 5500 MHz       |
| Channel No.         | 100 Ch         |
| RU offset.          | 61             |

| Frequency<br>[MHz] | Measured<br>Level<br>[dBμV] | A.F+C.L-A.G<br>+ATT+D.F<br>[dB/m] | ANT. POL<br>[H/V] | Total<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------------------|-----------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 5460               | 44.36                       | 9.30                              | H                 | 53.66             | 73.98             | 20.32          | PK                  |
| 5460               | 30.86                       | 9.30                              | H                 | 40.16             | 53.98             | 13.82          | AV                  |
| 5470               | 49.87                       | 9.34                              | H                 | 59.21             | 68.20             | 8.99           | PK                  |
| 5460               | 43.18                       | 9.30                              | V                 | 52.48             | 73.98             | 21.50          | PK                  |
| 5460               | 30.56                       | 9.30                              | V                 | 39.86             | 53.98             | 14.12          | AV                  |
| 5470               | 48.28                       | 9.34                              | V                 | 57.62             | 68.20             | 10.58          | PK                  |

**1.5) SU**

|                     |                |
|---------------------|----------------|
| Band :              | UNII 1         |
| Operation Mode:     | 802.11ax(HE20) |
| Transfer Rate:      | MCS0           |
| Operating Frequency | 5180 MHz       |
| Channel No.         | 36 Ch          |
| RU offset.          | 61             |

| Frequency<br>[MHz] | Measured Level<br>[dBμV] | A.F+C.L-A.G<br>+ATT+D.F<br>[dB/m] | ANT. POL<br>[H/V] | Total<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Measurement Type |
|--------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|----------------|------------------|
| 5150               | 45.44                    | 9.11                              | H                 | 54.55             | 73.98             | 19.43          | PK               |
| 5150               | 33.95                    | 9.11                              | H                 | 43.06             | 53.98             | 10.92          | AV               |
| 5150               | 44.85                    | 9.11                              | V                 | 53.96             | 73.98             | 20.02          | PK               |
| 5150               | 33.08                    | 9.11                              | V                 | 42.19             | 53.98             | 11.79          | AV               |

|                     |                |
|---------------------|----------------|
| Band :              | UNII 2A        |
| Operation Mode:     | 802.11ax(HE20) |
| Transfer Rate:      | MCS0           |
| Operating Frequency | 5320 MHz       |
| Channel No.         | 64 Ch          |
| RU offset.          | 61             |

| Frequency<br>[MHz] | Measured Level<br>[dBμV] | A.F+C.L-A.G<br>+ATT+D.F<br>[dB/m] | ANT. POL<br>[H/V] | Total<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Measurement Type |
|--------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|----------------|------------------|
| 5350               | 44.89                    | 8.71                              | H                 | 53.60             | 73.98             | 20.38          | PK               |
| 5350               | 32.86                    | 8.71                              | H                 | 41.57             | 53.98             | 12.41          | AV               |
| 5350               | 43.78                    | 8.71                              | V                 | 52.49             | 73.98             | 21.49          | PK               |
| 5350               | 31.85                    | 8.71                              | V                 | 40.56             | 53.98             | 13.42          | AV               |

|                     |                |
|---------------------|----------------|
| Band :              | UNII 2C        |
| Operation Mode:     | 802.11ax(HE20) |
| Transfer Rate:      | MCS0           |
| Operating Frequency | 5500 MHz       |
| Channel No.         | 100 Ch         |
| RU offset.          | 61             |

| Frequency<br>[MHz] | Measured<br>Level<br>[dBμV] | A.F+C.L-A.G<br>+ATT+D.F<br>[dB/m] | ANT. POL<br>[H/V] | Total<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------------------|-----------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 5460               | 44.47                       | 9.30                              | H                 | 53.77             | 73.98             | 20.21          | PK                  |
| 5460               | 31.26                       | 9.30                              | H                 | 40.56             | 53.98             | 13.42          | AV                  |
| 5470               | 48.94                       | 9.34                              | H                 | 58.28             | 68.20             | 9.92           | PK                  |
| 5460               | 43.95                       | 9.30                              | V                 | 53.25             | 73.98             | 20.73          | PK                  |
| 5460               | 31.07                       | 9.30                              | V                 | 40.37             | 53.98             | 13.61          | AV                  |
| 5470               | 46.96                       | 9.34                              | V                 | 56.30             | 68.20             | 11.90          | PK                  |

**2) 802.11ax(HE40)**

**2.1) 26 Tone**

|                     |                |
|---------------------|----------------|
| Band :              | UNII 1         |
| Operation Mode:     | 802.11ax(HE40) |
| Transfer MCS Index: | MCS0           |
| Operating Frequency | 5190 MHz       |
| Channel No.         | 38 Ch          |
| RU offset.          | 0              |

| Frequency<br>[MHz] | Measured Level<br>[dBμV] | A.F+C.L-A.G<br>+ATT+D.F<br>[dB/m] | ANT. POL<br>[H/V] | Total<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Measurement Type |
|--------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|----------------|------------------|
| 5150               | 44.06                    | 9.11                              | H                 | 53.17             | 73.98             | 20.81          | PK               |
| 5150               | 31.99                    | 9.11                              | H                 | 41.10             | 53.98             | 12.88          | AV               |
| 5150               | 43.57                    | 9.11                              | V                 | 52.68             | 73.98             | 21.30          | PK               |
| 5150               | 30.56                    | 9.11                              | V                 | 39.67             | 53.98             | 14.31          | AV               |

|                     |                |
|---------------------|----------------|
| Band :              | UNII 2A        |
| Operation Mode:     | 802.11ax(HE40) |
| Transfer MCS Index: | MCS0           |
| Operating Frequency | 5310 MHz       |
| Channel No.         | 62 Ch          |
| RU offset.          | 17             |

| Frequency<br>[MHz] | Measured Level<br>[dBμV] | A.F+C.L-A.G<br>+ATT+D.F<br>[dB/m] | ANT. POL<br>[H/V] | Total<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Measurement Type |
|--------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|----------------|------------------|
| 5350               | 42.95                    | 8.71                              | H                 | 51.66             | 73.98             | 22.32          | PK               |
| 5350               | 30.75                    | 8.71                              | H                 | 39.46             | 53.98             | 14.52          | AV               |
| 5350               | 42.81                    | 8.71                              | V                 | 51.52             | 73.98             | 22.46          | PK               |
| 5350               | 30.63                    | 8.71                              | V                 | 39.34             | 53.98             | 14.64          | AV               |

|                     |                |
|---------------------|----------------|
| Band :              | UNII 2C        |
| Operation Mode:     | 802.11ax(HE40) |
| Transfer MCS Index: | MCS0           |
| Operating Frequency | 5510 MHz       |
| Channel No.         | 102 Ch         |
| RU offset.          | 0              |

| Frequency<br>[MHz] | Measured Level<br>[dBμV] | A.F+C.L-A.G<br>+ATT+D.F<br>[dB/m] | ANT. POL<br>[H/V] | Total<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Measurement Type |
|--------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|----------------|------------------|
| 5460               | 43.72                    | 9.30                              | H                 | 53.02             | 73.98             | 20.96          | PK               |
| 5460               | 31.01                    | 9.30                              | H                 | 40.31             | 53.98             | 13.67          | AV               |
| 5470               | 44.47                    | 9.34                              | H                 | 53.81             | 68.20             | 14.39          | PK               |
| 5460               | 43.25                    | 9.30                              | V                 | 52.55             | 73.98             | 21.43          | PK               |
| 5460               | 30.83                    | 9.30                              | V                 | 40.13             | 53.98             | 13.85          | AV               |
| 5470               | 43.55                    | 9.34                              | V                 | 52.89             | 68.20             | 15.31          | PK               |

**2.2) 52 Tone**

|                     |                |
|---------------------|----------------|
| Band :              | UNII 1         |
| Operation Mode:     | 802.11ax(HE40) |
| Transfer MCS Index: | MCS0           |
| Operating Frequency | 5190 MHz       |
| Channel No.         | 38 Ch          |
| RU offset.          | 37             |

| Frequency<br>[MHz] | Measured Level<br>[dBμV] | A.F+C.L-A.G<br>+ATT+D.F<br>[dB/m] | ANT. POL<br>[H/V] | Total<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Measurement Type |
|--------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|----------------|------------------|
| 5150               | 43.13                    | 9.11                              | H                 | 52.24             | 73.98             | 21.74          | PK               |
| 5150               | 31.86                    | 9.11                              | H                 | 40.97             | 53.98             | 13.01          | AV               |
| 5150               | 42.16                    | 9.11                              | V                 | 51.27             | 73.98             | 22.71          | PK               |
| 5150               | 30.89                    | 9.11                              | V                 | 40.00             | 53.98             | 13.98          | AV               |

|                     |                |
|---------------------|----------------|
| Band :              | UNII 1         |
| Operation Mode:     | 802.11ax(HE40) |
| Transfer MCS Index: | MCS0           |
| Operating Frequency | 5310 MHz       |
| Channel No.         | 62 Ch          |
| RU offset.          | 44             |

| Frequency<br>[MHz] | Measured Level<br>[dBμV] | A.F+C.L-A.G<br>+ATT+D.F<br>[dB/m] | ANT. POL<br>[H/V] | Total<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Measurement Type |
|--------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|----------------|------------------|
| 5350               | 50.81                    | 8.71                              | H                 | 59.52             | 73.98             | 14.46          | PK               |
| 5350               | 31.27                    | 8.71                              | H                 | 39.98             | 53.98             | 14.00          | AV               |
| 5350               | 49.84                    | 8.71                              | V                 | 58.55             | 73.98             | 15.43          | PK               |
| 5350               | 31.06                    | 8.71                              | V                 | 39.77             | 53.98             | 14.21          | AV               |

|                     |                |
|---------------------|----------------|
| Band :              | UNII 2C        |
| Operation Mode:     | 802.11ax(HE40) |
| Transfer MCS Index: | MCS0           |
| Operating Frequency | 5510 MHz       |
| Channel No.         | 102 Ch         |
| RU offset.          | 37             |

| Frequency<br>[MHz] | Measured<br>Level<br>[dB $\mu$ V] | A.F+C.L-A.G<br>+ATT+D.F<br>[dB/m] | ANT. POL<br>[H/V] | Total<br>[dB $\mu$ V/m] | Limit<br>[dB $\mu$ V/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------------------------|-----------------------------------|-------------------|-------------------------|-------------------------|----------------|---------------------|
| 5460               | 44.30                             | 9.30                              | H                 | 53.60                   | 73.98                   | 20.38          | PK                  |
| 5460               | 31.15                             | 9.30                              | H                 | 40.45                   | 53.98                   | 13.53          | AV                  |
| 5470               | 46.65                             | 9.34                              | H                 | 55.99                   | 68.20                   | 12.21          | PK                  |
| 5460               | 43.67                             | 9.30                              | V                 | 52.97                   | 73.98                   | 21.01          | PK                  |
| 5460               | 30.96                             | 9.30                              | V                 | 40.26                   | 53.98                   | 13.72          | AV                  |
| 5470               | 45.48                             | 9.34                              | V                 | 54.82                   | 68.20                   | 13.38          | PK                  |

**2.3) 106 Tone**

|                     |                |
|---------------------|----------------|
| Band :              | UNII 1         |
| Operation Mode:     | 802.11ax(HE40) |
| Transfer MCS Index: | MCS0           |
| Operating Frequency | 5190 MHz       |
| Channel No.         | 38 Ch          |
| RU offset.          | 53             |

| Frequency<br>[MHz] | Measured Level<br>[dBμV] | A.F+C.L-A.G<br>+ATT+D.F<br>[dB/m] | ANT. POL<br>[H/V] | Total<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Measurement Type |
|--------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|----------------|------------------|
| 5150               | 50.67                    | 9.11                              | H                 | 59.78             | 73.98             | 14.20          | PK               |
| 5150               | 31.74                    | 9.11                              | H                 | 40.85             | 53.98             | 13.13          | AV               |
| 5150               | 49.96                    | 9.11                              | V                 | 59.07             | 73.98             | 14.91          | PK               |
| 5150               | 30.84                    | 9.11                              | V                 | 39.95             | 53.98             | 14.03          | AV               |

|                     |                |
|---------------------|----------------|
| Band :              | UNII 2A        |
| Operation Mode:     | 802.11ax(HE40) |
| Transfer MCS Index: | MCS0           |
| Operating Frequency | 5310 MHz       |
| Channel No.         | 62 Ch          |
| RU offset.          | 56             |

| Frequency<br>[MHz] | Measured Level<br>[dBμV] | A.F+C.L-A.G<br>+ATT+D.F<br>[dB/m] | ANT. POL<br>[H/V] | Total<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Measurement Type |
|--------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|----------------|------------------|
| 5350               | 56.69                    | 8.71                              | H                 | 65.40             | 73.98             | 8.58           | PK               |
| 5350               | 31.57                    | 8.71                              | H                 | 40.28             | 53.98             | 13.70          | AV               |
| 5350               | 55.61                    | 8.71                              | V                 | 64.32             | 73.98             | 9.66           | PK               |
| 5350               | 30.89                    | 8.71                              | V                 | 39.60             | 53.98             | 14.38          | AV               |

|                     |                |
|---------------------|----------------|
| Band :              | UNII 2C        |
| Operation Mode:     | 802.11ax(HE40) |
| Transfer MCS Index: | MCS0           |
| Operating Frequency | 5510 MHz       |
| Channel No.         | 102 Ch         |
| RU offset.          | 53             |

| Frequency<br>[MHz] | Measured Level<br>[dBμV] | A.F+C.L-A.G<br>+ATT+D.F<br>[dB/m] | ANT. POL<br>[H/V] | Total<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Measurement Type |
|--------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|----------------|------------------|
| 5460               | 48.44                    | 9.30                              | H                 | 57.74             | 73.98             | 16.24          | PK               |
| 5460               | 31.11                    | 9.30                              | H                 | 40.41             | 53.98             | 13.57          | AV               |
| 5470               | 53.95                    | 9.34                              | H                 | 63.29             | 68.20             | 4.91           | PK               |
| 5460               | 47.66                    | 9.30                              | V                 | 56.96             | 73.98             | 17.02          | PK               |
| 5460               | 30.68                    | 9.30                              | V                 | 39.98             | 53.98             | 14.00          | AV               |
| 5470               | 53.21                    | 9.34                              | V                 | 62.55             | 68.20             | 5.65           | PK               |

**2.4) 242 Tone**

|                     |                |
|---------------------|----------------|
| Band :              | UNII 1         |
| Operation Mode:     | 802.11ax(HE40) |
| Transfer MCS Index: | MCS0           |
| Operating Frequency | 5190 MHz       |
| Channel No.         | 38 Ch          |
| RU offset.          | 61             |

| Frequency<br>[MHz] | Measured Level<br>[dBμV] | A.F+C.L-A.G<br>+ATT+D.F<br>[dB/m] | ANT. POL<br>[H/V] | Total<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Measurement Type |
|--------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|----------------|------------------|
| 5150               | 58.15                    | 9.11                              | H                 | 67.26             | 73.98             | 6.72           | PK               |
| 5150               | 34.07                    | 9.11                              | H                 | 43.18             | 53.98             | 10.80          | AV               |
| 5150               | 56.81                    | 9.11                              | V                 | 65.92             | 73.98             | 8.06           | PK               |
| 5150               | 33.58                    | 9.11                              | V                 | 42.69             | 53.98             | 11.29          | AV               |

|                     |                |
|---------------------|----------------|
| Band :              | UNII 2A        |
| Operation Mode:     | 802.11ax(HE40) |
| Transfer MCS Index: | MCS0           |
| Operating Frequency | 5310 MHz       |
| Channel No.         | 62 Ch          |
| RU offset.          | 62             |

| Frequency<br>[MHz] | Measured Level<br>[dBμV] | A.F+C.L-A.G<br>+ATT+D.F<br>[dB/m] | ANT. POL<br>[H/V] | Total<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Measurement Type |
|--------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|----------------|------------------|
| 5350               | 60.19                    | 8.71                              | H                 | 68.90             | 73.98             | 5.08           | PK               |
| 5350               | 32.68                    | 8.71                              | H                 | 41.39             | 53.98             | 12.59          | AV               |
| 5350               | 58.98                    | 8.71                              | V                 | 67.69             | 73.98             | 6.29           | PK               |
| 5350               | 32.19                    | 8.71                              | V                 | 40.90             | 53.98             | 13.08          | AV               |

|                     |                |
|---------------------|----------------|
| Band :              | UNII 2C        |
| Operation Mode:     | 802.11ax(HE40) |
| Transfer MCS Index: | MCS0           |
| Operating Frequency | 5510 MHz       |
| Channel No.         | 102 Ch         |
| RU offset.          | 61             |

| Frequency<br>[MHz] | Measured<br>Level<br>[dB $\mu$ V] | A.F+C.L-A.G<br>+ATT+D.F<br>[dB/m] | ANT. POL<br>[H/V] | Total<br>[dB $\mu$ V/m] | Limit<br>[dB $\mu$ V/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------------------------|-----------------------------------|-------------------|-------------------------|-------------------------|----------------|---------------------|
| 5460               | 49.27                             | 9.30                              | H                 | 58.57                   | 73.98                   | 15.41          | PK                  |
| 5460               | 31.11                             | 9.30                              | H                 | 40.41                   | 53.98                   | 13.57          | AV                  |
| 5470               | 54.94                             | 9.34                              | H                 | 64.28                   | 68.20                   | 3.92           | PK                  |
| 5460               | 47.96                             | 9.30                              | V                 | 57.26                   | 73.98                   | 16.72          | PK                  |
| 5460               | 30.75                             | 9.30                              | V                 | 40.05                   | 53.98                   | 13.93          | AV                  |
| 5470               | 52.96                             | 9.34                              | V                 | 62.30                   | 68.20                   | 5.90           | PK                  |

**2.5) 484 Tone**

|                     |                |
|---------------------|----------------|
| Band :              | UNII 1         |
| Operation Mode:     | 802.11ax(HE40) |
| Transfer MCS Index: | MCS0           |
| Operating Frequency | 5190 MHz       |
| Channel No.         | 38 Ch          |
| RU offset.          | 65             |

| Frequency<br>[MHz] | Measured Level<br>[dBμV] | A.F+C.L-A.G<br>+ATT+D.F<br>[dB/m] | ANT. POL<br>[H/V] | Total<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Measurement Type |
|--------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|----------------|------------------|
| 5150               | 57.94                    | 9.11                              | H                 | 67.05             | 73.98             | 6.93           | PK               |
| 5150               | 38.49                    | 9.11                              | H                 | 47.60             | 53.98             | 6.38           | AV               |
| 5150               | 56.52                    | 9.11                              | V                 | 65.63             | 73.98             | 8.35           | PK               |
| 5150               | 37.94                    | 9.11                              | V                 | 47.05             | 53.98             | 6.93           | AV               |

|                     |                |
|---------------------|----------------|
| Band :              | UNII 2A        |
| Operation Mode:     | 802.11ax(HE40) |
| Transfer MCS Index: | MCS0           |
| Operating Frequency | 5310 MHz       |
| Channel No.         | 62 Ch          |
| RU offset.          | 65             |

| Frequency<br>[MHz] | Measured Level<br>[dBμV] | A.F+C.L-A.G<br>+ATT+D.F<br>[dB/m] | ANT. POL<br>[H/V] | Total<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Measurement Type |
|--------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|----------------|------------------|
| 5350               | 59.95                    | 8.71                              | H                 | 68.66             | 73.98             | 5.32           | PK               |
| 5350               | 38.65                    | 8.71                              | H                 | 47.36             | 53.98             | 6.62           | AV               |
| 5350               | 59.74                    | 8.71                              | V                 | 68.45             | 73.98             | 5.53           | PK               |
| 5350               | 37.18                    | 8.71                              | V                 | 45.89             | 53.98             | 8.09           | AV               |

|                     |                |
|---------------------|----------------|
| Band :              | UNII 2C        |
| Operation Mode:     | 802.11ax(HE40) |
| Transfer MCS Index: | MCS0           |
| Operating Frequency | 5510 MHz       |
| Channel No.         | 102 Ch         |
| RU offset.          | 65             |

| Frequency<br>[MHz] | Measured Level<br>[dBμV] | A.F+C.L-A.G<br>+ATT+D.F<br>[dB/m] | ANT. POL<br>[H/V] | Total<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Measurement Type |
|--------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|----------------|------------------|
| 5460               | 46.86                    | 9.30                              | H                 | 56.16             | 73.98             | 17.82          | PK               |
| 5460               | 31.39                    | 9.30                              | H                 | 40.69             | 53.98             | 13.29          | AV               |
| 5470               | 53.13                    | 9.34                              | H                 | 62.47             | 68.20             | 5.73           | PK               |
| 5460               | 45.91                    | 9.30                              | V                 | 55.21             | 73.98             | 18.77          | PK               |
| 5460               | 30.90                    | 9.30                              | V                 | 40.20             | 53.98             | 13.78          | AV               |
| 5470               | 52.86                    | 9.34                              | V                 | 62.20             | 68.20             | 6.00           | PK               |

**2.6) SU**

|                     |                |
|---------------------|----------------|
| Band :              | UNII 1         |
| Operation Mode:     | 802.11ax(HE40) |
| Transfer MCS Index: | MCS0           |
| Operating Frequency | 5190 MHz       |
| Channel No.         | 38 Ch          |
| RU offset.          | 65             |

| Frequency<br>[MHz] | Measured Level<br>[dBμV] | A.F+C.L-A.G<br>+ATT+D.F<br>[dB/m] | ANT. POL<br>[H/V] | Total<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Measurement Type |
|--------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|----------------|------------------|
| 5150               | 53.36                    | 9.11                              | H                 | 62.47             | 73.98             | 11.51          | PK               |
| 5150               | 40.92                    | 9.11                              | H                 | 50.03             | 53.98             | 3.95           | AV               |
| 5150               | 51.26                    | 9.11                              | V                 | 60.37             | 73.98             | 13.61          | PK               |
| 5150               | 40.03                    | 9.11                              | V                 | 49.14             | 53.98             | 4.84           | AV               |

|                     |                |
|---------------------|----------------|
| Band :              | UNII 2A        |
| Operation Mode:     | 802.11ax(HE40) |
| Transfer MCS Index: | MCS0           |
| Operating Frequency | 5310 MHz       |
| Channel No.         | 62 Ch          |
| RU offset.          | 65             |

| Frequency<br>[MHz] | Measured Level<br>[dBμV] | A.F+C.L-A.G<br>+ATT+D.F<br>[dB/m] | ANT. POL<br>[H/V] | Total<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Measurement Type |
|--------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|----------------|------------------|
| 5350               | 58.98                    | 8.71                              | H                 | 67.69             | 73.98             | 6.29           | PK               |
| 5350               | 42.28                    | 8.71                              | H                 | 50.99             | 53.98             | 2.99           | AV               |
| 5350               | 56.45                    | 8.71                              | V                 | 65.16             | 73.98             | 8.82           | PK               |
| 5350               | 41.87                    | 8.71                              | V                 | 50.58             | 53.98             | 3.40           | AV               |

|                     |                |
|---------------------|----------------|
| Band :              | UNII 2C        |
| Operation Mode:     | 802.11ax(HE40) |
| Transfer MCS Index: | MCS0           |
| Operating Frequency | 5510 MHz       |
| Channel No.         | 102 Ch         |
| RU offset.          | 65             |

| Frequency<br>[MHz] | Measured Level<br>[dBμV] | A.F+C.L-A.G<br>+ATT+D.F<br>[dB/m] | ANT. POL<br>[H/V] | Total<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Measurement Type |
|--------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|----------------|------------------|
| 5460               | 47.13                    | 9.30                              | H                 | 56.43             | 73.98             | 17.55          | PK               |
| 5460               | 33.57                    | 9.30                              | H                 | 42.87             | 53.98             | 11.11          | AV               |
| 5470               | 53.49                    | 9.34                              | H                 | 62.83             | 68.20             | 5.37           | PK               |
| 5460               | 46.03                    | 9.30                              | V                 | 55.33             | 73.98             | 18.65          | PK               |
| 5460               | 32.17                    | 9.30                              | V                 | 41.47             | 53.98             | 12.51          | AV               |
| 5470               | 52.52                    | 9.34                              | V                 | 61.86             | 68.20             | 6.34           | PK               |

**3) 802.11ax(HE80)**
**3.1) 26 Tone**

|                     |                |
|---------------------|----------------|
| Band :              | UNII 1         |
| Operation Mode:     | 802.11ax(HE80) |
| Transfer MCS Index: | MCS0           |
| Operating Frequency | 5210 MHz       |
| Channel No.         | 42 Ch          |
| RU offset.          | 0              |

| Frequency<br>[MHz] | Measured Level<br>[dBμV] | A.F+C.L-A.G<br>+ATT+D.F<br>[dB/m] | ANT. POL<br>[H/V] | Total<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Measurement Type |
|--------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|----------------|------------------|
| 5150               | 44.69                    | 9.11                              | H                 | 53.80             | 73.98             | 20.18          | PK               |
| 5150               | 31.84                    | 9.11                              | H                 | 40.95             | 53.98             | 13.03          | AV               |
| 5150               | 43.31                    | 9.11                              | V                 | 52.42             | 73.98             | 21.56          | PK               |
| 5150               | 30.84                    | 9.11                              | V                 | 39.95             | 53.98             | 14.03          | AV               |

|                     |                |
|---------------------|----------------|
| Band :              | UNII 2A        |
| Operation Mode:     | 802.11ax(HE80) |
| Transfer MCS Index: | MCS0           |
| Operating Frequency | 5290 MHz       |
| Channel No.         | 58 Ch          |
| RU offset.          | 36             |

| Frequency<br>[MHz] | Measured Level<br>[dBμV] | A.F+C.L-A.G<br>+ATT+D.F<br>[dB/m] | ANT. POL<br>[H/V] | Total<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Measurement Type |
|--------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|----------------|------------------|
| 5350               | 44.72                    | 8.71                              | H                 | 53.43             | 73.98             | 20.55          | PK               |
| 5350               | 31.01                    | 8.71                              | H                 | 39.72             | 53.98             | 14.26          | AV               |
| 5350               | 43.23                    | 8.71                              | V                 | 51.94             | 73.98             | 22.04          | PK               |
| 5350               | 30.98                    | 8.71                              | V                 | 39.69             | 53.98             | 14.29          | AV               |

|                     |                |
|---------------------|----------------|
| Band :              | UNII 2C        |
| Operation Mode:     | 802.11ax(HE80) |
| Transfer MCS Index: | MCS0           |
| Operating Frequency | 5530 MHz       |
| Channel No.         | 106 Ch         |
| RU offset.          | 0              |

| Frequency<br>[MHz] | Measured<br>Level<br>[dB $\mu$ V] | A.F+C.L-A.G<br>+ATT+D.F<br>[dB/m] | ANT. POL<br>[H/V] | Total<br>[dB $\mu$ V/m] | Limit<br>[dB $\mu$ V/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------------------------|-----------------------------------|-------------------|-------------------------|-------------------------|----------------|---------------------|
| 5460               | 44.42                             | 9.30                              | H                 | 53.72                   | 73.98                   | 20.26          | PK                  |
| 5460               | 30.97                             | 9.30                              | H                 | 40.27                   | 53.98                   | 13.71          | AV                  |
| 5470               | 46.30                             | 9.34                              | H                 | 55.64                   | 68.20                   | 12.56          | PK                  |
| 5460               | 43.72                             | 9.30                              | V                 | 53.02                   | 73.98                   | 20.96          | PK                  |
| 5460               | 30.78                             | 9.30                              | V                 | 40.08                   | 53.98                   | 13.90          | AV                  |
| 5470               | 44.31                             | 9.34                              | V                 | 53.65                   | 68.20                   | 14.55          | PK                  |

**3.2) 52 Tone**

|                     |                |
|---------------------|----------------|
| Band :              | UNII 1         |
| Operation Mode:     | 802.11ax(HE80) |
| Transfer MCS Index: | MCS0           |
| Operating Frequency | 5210 MHz       |
| Channel No.         | 42 Ch          |
| RU offset.          | 37             |

| Frequency<br>[MHz] | Measured Level<br>[dBμV] | A.F+C.L-A.G<br>+ATT+D.F<br>[dB/m] | ANT. POL<br>[H/V] | Total<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Measurement Type |
|--------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|----------------|------------------|
| 5150               | 44.68                    | 9.11                              | H                 | 53.79             | 73.98             | 20.19          | PK               |
| 5150               | 31.63                    | 9.11                              | H                 | 40.74             | 53.98             | 13.24          | AV               |
| 5150               | 42.61                    | 9.11                              | V                 | 51.72             | 73.98             | 22.26          | PK               |
| 5150               | 30.85                    | 9.11                              | V                 | 39.96             | 53.98             | 14.02          | AV               |

|                     |                |
|---------------------|----------------|
| Band :              | UNII 2A        |
| Operation Mode:     | 802.11ax(HE80) |
| Transfer MCS Index: | MCS0           |
| Operating Frequency | 5290 MHz       |
| Channel No.         | 58 Ch          |
| RU offset.          | 52             |

| Frequency<br>[MHz] | Measured Level<br>[dBμV] | A.F+C.L-A.G<br>+ATT+D.F<br>[dB/m] | ANT. POL<br>[H/V] | Total<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Measurement Type |
|--------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|----------------|------------------|
| 5350               | 49.49                    | 8.71                              | H                 | 58.20             | 73.98             | 15.78          | PK               |
| 5350               | 31.46                    | 8.71                              | H                 | 40.17             | 53.98             | 13.81          | AV               |
| 5350               | 48.62                    | 8.71                              | V                 | 57.33             | 73.98             | 16.65          | PK               |
| 5350               | 31.26                    | 8.71                              | V                 | 39.97             | 53.98             | 14.01          | AV               |

|                     |                |
|---------------------|----------------|
| Band :              | UNII 2C        |
| Operation Mode:     | 802.11ax(HE80) |
| Transfer MCS Index: | MCS0           |
| Operating Frequency | 5530 MHz       |
| Channel No.         | 106 Ch         |
| RU offset.          | 37             |

| Frequency<br>[MHz] | Measured Level<br>[dB $\mu$ V] | A.F+C.L-A.G<br>+ATT+D.F<br>[dB/m] | ANT. POL<br>[H/V] | Total<br>[dB $\mu$ V/m] | Limit<br>[dB $\mu$ V/m] | Margin<br>[dB] | Measurement Type |
|--------------------|--------------------------------|-----------------------------------|-------------------|-------------------------|-------------------------|----------------|------------------|
| 5460               | 45.01                          | 9.30                              | H                 | 54.31                   | 73.98                   | 19.67          | PK               |
| 5460               | 31.15                          | 9.30                              | H                 | 40.45                   | 53.98                   | 13.53          | AV               |
| 5470               | 48.87                          | 9.34                              | H                 | 58.21                   | 68.20                   | 9.99           | PK               |
| 5460               | 44.78                          | 9.30                              | V                 | 54.08                   | 73.98                   | 19.90          | PK               |
| 5460               | 30.95                          | 9.30                              | V                 | 40.25                   | 53.98                   | 13.73          | AV               |
| 5470               | 46.97                          | 9.34                              | V                 | 56.31                   | 68.20                   | 11.89          | PK               |

**3.3) 106 Tone**

|                     |                |
|---------------------|----------------|
| Band :              | UNII 1         |
| Operation Mode:     | 802.11ax(HE80) |
| Transfer MCS Index: | MCS0           |
| Operating Frequency | 5210 MHz       |
| Channel No.         | 42 Ch          |
| RU offset.          | 53             |

| Frequency<br>[MHz] | Measured Level<br>[dBμV] | A.F+C.L-A.G<br>+ATT+D.F<br>[dB/m] | ANT. POL<br>[H/V] | Total<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Measurement Type |
|--------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|----------------|------------------|
| 5150               | 49.70                    | 9.11                              | H                 | 58.81             | 73.98             | 15.17          | PK               |
| 5150               | 31.58                    | 9.11                              | H                 | 40.69             | 53.98             | 13.29          | AV               |
| 5150               | 48.02                    | 9.11                              | V                 | 57.13             | 73.98             | 16.85          | PK               |
| 5150               | 30.69                    | 9.11                              | V                 | 39.80             | 53.98             | 14.18          | AV               |

|                     |                |
|---------------------|----------------|
| Band :              | UNII 2A        |
| Operation Mode:     | 802.11ax(HE80) |
| Transfer MCS Index: | MCS0           |
| Operating Frequency | 5290 MHz       |
| Channel No.         | 58 Ch          |
| RU offset.          | 60             |

| Frequency<br>[MHz] | Measured Level<br>[dBμV] | A.F+C.L-A.G<br>+ATT+D.F<br>[dB/m] | ANT. POL<br>[H/V] | Total<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Measurement Type |
|--------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|----------------|------------------|
| 5350               | 53.95                    | 8.71                              | H                 | 62.66             | 73.98             | 11.32          | PK               |
| 5350               | 32.30                    | 8.71                              | H                 | 41.01             | 53.98             | 12.97          | AV               |
| 5350               | 52.98                    | 8.71                              | V                 | 61.69             | 73.98             | 12.29          | PK               |
| 5350               | 31.49                    | 8.71                              | V                 | 40.20             | 53.98             | 13.78          | AV               |

|                     |                |
|---------------------|----------------|
| Band :              | UNII 2C        |
| Operation Mode:     | 802.11ax(HE80) |
| Transfer MCS Index: | MCS0           |
| Operating Frequency | 5530 MHz       |
| Channel No.         | 106 Ch         |
| RU offset.          | 53             |

| Frequency<br>[MHz] | Measured<br>Level<br>[dBμV] | A.F+C.L-A.G<br>+ATT+D.F<br>[dB/m] | ANT. POL<br>[H/V] | Total<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------------------|-----------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 5460               | 49.73                       | 9.30                              | H                 | 59.03             | 73.98             | 14.95          | PK                  |
| 5460               | 31.13                       | 9.30                              | H                 | 40.43             | 53.98             | 13.55          | AV                  |
| 5470               | 53.91                       | 9.34                              | H                 | 63.25             | 68.20             | 4.95           | PK                  |
| 5460               | 47.24                       | 9.30                              | V                 | 56.54             | 73.98             | 17.44          | PK                  |
| 5460               | 30.66                       | 9.30                              | V                 | 39.96             | 53.98             | 14.02          | AV                  |
| 5470               | 52.65                       | 9.34                              | V                 | 61.99             | 68.20             | 6.21           | PK                  |

**3.4) 242 Tone**

|                     |                |
|---------------------|----------------|
| Band :              | UNII 1         |
| Operation Mode:     | 802.11ax(HE80) |
| Transfer MCS Index: | MCS0           |
| Operating Frequency | 5210 MHz       |
| Channel No.         | 42 Ch          |
| RU offset.          | 61             |

| Frequency<br>[MHz] | Measured Level<br>[dBμV] | A.F+C.L-A.G<br>+ATT+D.F<br>[dB/m] | ANT. POL<br>[H/V] | Total<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Measurement Type |
|--------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|----------------|------------------|
| 5150               | 49.46                    | 9.11                              | H                 | 58.57             | 73.98             | 15.41          | PK               |
| 5150               | 31.14                    | 9.11                              | H                 | 40.25             | 53.98             | 13.73          | AV               |
| 5150               | 48.15                    | 9.11                              | V                 | 57.26             | 73.98             | 16.72          | PK               |
| 5150               | 30.75                    | 9.11                              | V                 | 39.86             | 53.98             | 14.12          | AV               |

|                     |                |
|---------------------|----------------|
| Band :              | UNII 2A        |
| Operation Mode:     | 802.11ax(HE80) |
| Transfer MCS Index: | MCS0           |
| Operating Frequency | 5290 MHz       |
| Channel No.         | 58 Ch          |
| RU offset.          | 64             |

| Frequency<br>[MHz] | Measured Level<br>[dBμV] | A.F+C.L-A.G<br>+ATT+D.F<br>[dB/m] | ANT. POL<br>[H/V] | Total<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Measurement Type |
|--------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|----------------|------------------|
| 5350               | 54.22                    | 8.71                              | H                 | 62.93             | 73.98             | 11.05          | PK               |
| 5350               | 32.11                    | 8.71                              | H                 | 40.82             | 53.98             | 13.16          | AV               |
| 5350               | 53.88                    | 8.71                              | V                 | 62.59             | 73.98             | 11.39          | PK               |
| 5350               | 30.28                    | 8.71                              | V                 | 38.99             | 53.98             | 14.99          | AV               |

|                     |                |
|---------------------|----------------|
| Band :              | UNII 2C        |
| Operation Mode:     | 802.11ax(HE80) |
| Transfer MCS Index: | MCS0           |
| Operating Frequency | 5530 MHz       |
| Channel No.         | 106 Ch         |
| RU offset.          | 61             |

| Frequency<br>[MHz] | Measured Level<br>[dB $\mu$ V] | A.F+C.L-A.G<br>+ATT+D.F<br>[dB/m] | ANT. POL<br>[H/V] | Total<br>[dB $\mu$ V/m] | Limit<br>[dB $\mu$ V/m] | Margin<br>[dB] | Measurement Type |
|--------------------|--------------------------------|-----------------------------------|-------------------|-------------------------|-------------------------|----------------|------------------|
| 5460               | 50.08                          | 9.30                              | H                 | 59.38                   | 73.98                   | 14.60          | PK               |
| 5460               | 31.16                          | 9.30                              | H                 | 40.46                   | 53.98                   | 13.52          | AV               |
| 5470               | 54.37                          | 9.34                              | H                 | 63.71                   | 68.20                   | 4.49           | PK               |
| 5460               | 47.37                          | 9.30                              | V                 | 56.67                   | 73.98                   | 17.31          | PK               |
| 5460               | 30.88                          | 9.30                              | V                 | 40.18                   | 53.98                   | 13.80          | AV               |
| 5470               | 53.60                          | 9.34                              | V                 | 62.94                   | 68.20                   | 5.26           | PK               |

**3.5) 484 Tone**

|                     |                |
|---------------------|----------------|
| Band :              | UNII 1         |
| Operation Mode:     | 802.11ax(HE80) |
| Transfer MCS Index: | MCS0           |
| Operating Frequency | 5210 MHz       |
| Channel No.         | 42 Ch          |
| RU offset.          | 65             |

| Frequency<br>[MHz] | Measured Level<br>[dBμV] | A.F+C.L-A.G<br>+ATT+D.F<br>[dB/m] | ANT. POL<br>[H/V] | Total<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Measurement Type |
|--------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|----------------|------------------|
| 5150               | 49.47                    | 9.11                              | H                 | 58.58             | 73.98             | 15.40          | PK               |
| 5150               | 34.26                    | 9.11                              | H                 | 43.37             | 53.98             | 10.61          | AV               |
| 5150               | 48.05                    | 9.11                              | V                 | 57.16             | 73.98             | 16.82          | PK               |
| 5150               | 33.79                    | 9.11                              | V                 | 42.90             | 53.98             | 11.08          | AV               |

|                     |                |
|---------------------|----------------|
| Band :              | UNII 2A        |
| Operation Mode:     | 802.11ax(HE80) |
| Transfer MCS Index: | MCS0           |
| Operating Frequency | 5290 MHz       |
| Channel No.         | 58 Ch          |
| RU offset.          | 66             |

| Frequency<br>[MHz] | Measured Level<br>[dBμV] | A.F+C.L-A.G<br>+ATT+D.F<br>[dB/m] | ANT. POL<br>[H/V] | Total<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Measurement Type |
|--------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|----------------|------------------|
| 5350               | 54.47                    | 8.71                              | H                 | 63.18             | 73.98             | 10.80          | PK               |
| 5350               | 35.69                    | 8.71                              | H                 | 44.40             | 53.98             | 9.58           | AV               |
| 5350               | 53.62                    | 8.71                              | V                 | 62.33             | 73.98             | 11.65          | PK               |
| 5350               | 34.29                    | 8.71                              | V                 | 43.00             | 53.98             | 10.98          | AV               |

|                     |                |
|---------------------|----------------|
| Band :              | UNII 2C        |
| Operation Mode:     | 802.11ax(HE80) |
| Transfer MCS Index: | MCS0           |
| Operating Frequency | 5530 MHz       |
| Channel No.         | 106 Ch         |
| RU offset.          | 65             |

| Frequency<br>[MHz] | Measured Level<br>[dB $\mu$ V] | A.F+C.L-A.G<br>+ATT+D.F<br>[dB/m] | ANT. POL<br>[H/V] | Total<br>[dB $\mu$ V/m] | Limit<br>[dB $\mu$ V/m] | Margin<br>[dB] | Measurement Type |
|--------------------|--------------------------------|-----------------------------------|-------------------|-------------------------|-------------------------|----------------|------------------|
| 5460               | 46.99                          | 9.30                              | H                 | 56.29                   | 73.98                   | 17.69          | PK               |
| 5460               | 31.58                          | 9.30                              | H                 | 40.88                   | 53.98                   | 13.10          | AV               |
| 5470               | 51.58                          | 9.34                              | H                 | 60.92                   | 68.20                   | 7.28           | PK               |
| 5460               | 46.41                          | 9.30                              | V                 | 55.71                   | 73.98                   | 18.27          | PK               |
| 5460               | 30.44                          | 9.30                              | V                 | 39.74                   | 53.98                   | 14.24          | AV               |
| 5470               | 50.39                          | 9.34                              | V                 | 59.73                   | 68.20                   | 8.47           | PK               |

**3.6) 996 Tone**

|                     |                |
|---------------------|----------------|
| Band :              | UNII 1         |
| Operation Mode:     | 802.11ax(HE80) |
| Transfer MCS Index: | MCS0           |
| Operating Frequency | 5210 MHz       |
| Channel No.         | 42 Ch          |
| RU offset.          | 67             |

| Frequency<br>[MHz] | Measured Level<br>[dBμV] | A.F+C.L-A.G<br>+ATT+D.F<br>[dB/m] | ANT. POL<br>[H/V] | Total<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Measurement Type |
|--------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|----------------|------------------|
| 5150               | 47.65                    | 9.11                              | H                 | 56.76             | 73.98             | 17.22          | PK               |
| 5150               | 35.15                    | 9.11                              | H                 | 44.26             | 53.98             | 9.72           | AV               |
| 5150               | 46.04                    | 9.11                              | V                 | 55.15             | 73.98             | 18.83          | PK               |
| 5150               | 34.03                    | 9.11                              | V                 | 43.14             | 53.98             | 10.84          | AV               |

|                     |                |
|---------------------|----------------|
| Band :              | UNII 2A        |
| Operation Mode:     | 802.11ax(HE80) |
| Transfer MCS Index: | MCS0           |
| Operating Frequency | 5290 MHz       |
| Channel No.         | 58 Ch          |
| RU offset.          | 67             |

| Frequency<br>[MHz] | Measured Level<br>[dBμV] | A.F+C.L-A.G<br>+ATT+D.F<br>[dB/m] | ANT. POL<br>[H/V] | Total<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Measurement Type |
|--------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|----------------|------------------|
| 5350               | 54.11                    | 8.71                              | H                 | 62.82             | 73.98             | 11.16          | PK               |
| 5350               | 37.10                    | 8.71                              | H                 | 45.81             | 53.98             | 8.17           | AV               |
| 5350               | 52.51                    | 8.71                              | V                 | 61.22             | 73.98             | 12.76          | PK               |
| 5350               | 35.53                    | 8.71                              | V                 | 44.24             | 53.98             | 9.74           | AV               |

|                     |                |
|---------------------|----------------|
| Band :              | UNII 2C        |
| Operation Mode:     | 802.11ax(HE80) |
| Transfer MCS Index: | MCS0           |
| Operating Frequency | 5530 MHz       |
| Channel No.         | 106 Ch         |
| RU offset.          | 67             |

| Frequency<br>[MHz] | Measured Level<br>[dB $\mu$ V] | A.F+C.L-A.G<br>+ATT+D.F<br>[dB/m] | ANT. POL<br>[H/V] | Total<br>[dB $\mu$ V/m] | Limit<br>[dB $\mu$ V/m] | Margin<br>[dB] | Measurement Type |
|--------------------|--------------------------------|-----------------------------------|-------------------|-------------------------|-------------------------|----------------|------------------|
| 5460               | 49.84                          | 9.30                              | H                 | 59.14                   | 73.98                   | 14.84          | PK               |
| 5460               | 32.19                          | 9.30                              | H                 | 41.49                   | 53.98                   | 12.49          | AV               |
| 5470               | 53.83                          | 9.34                              | H                 | 63.17                   | 68.20                   | 5.03           | PK               |
| 5460               | 48.93                          | 9.30                              | V                 | 58.23                   | 73.98                   | 15.75          | PK               |
| 5460               | 33.29                          | 9.30                              | V                 | 42.59                   | 53.98                   | 11.39          | AV               |
| 5470               | 52.33                          | 9.34                              | V                 | 61.67                   | 68.20                   | 6.53           | PK               |

### 3.7) SU

|                     |                |
|---------------------|----------------|
| Band :              | UNII 1         |
| Operation Mode:     | 802.11ax(HE80) |
| Transfer MCS Index: | MCS0           |
| Operating Frequency | 5210 MHz       |
| Channel No.         | 42 Ch          |

| Frequency<br>[MHz] | Measured Level<br>[dBμV] | A.F+C.L-A.G<br>+ATT+D.F<br>[dB/m] | ANT. POL<br>[H/V] | Total<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Measurement Type |
|--------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|----------------|------------------|
| 5150               | 50.72                    | 9.11                              | H                 | 59.83             | 73.98             | 14.15          | PK               |
| 5150               | 39.64                    | 9.11                              | H                 | 48.75             | 53.98             | 5.23           | AV               |
| 5150               | 50.22                    | 9.11                              | V                 | 59.33             | 73.98             | 14.65          | PK               |
| 5150               | 39.07                    | 9.11                              | V                 | 48.18             | 53.98             | 5.80           | AV               |

|                     |                |
|---------------------|----------------|
| Band :              | UNII 2A        |
| Operation Mode:     | 802.11ax(HE80) |
| Transfer MCS Index: | MCS0           |
| Operating Frequency | 5290 MHz       |
| Channel No.         | 58 Ch          |

| Frequency<br>[MHz] | Measured Level<br>[dBμV] | A.F+C.L-A.G<br>+ATT+D.F<br>[dB/m] | ANT. POL<br>[H/V] | Total<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Measurement Type |
|--------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|----------------|------------------|
| 5350               | 53.22                    | 8.71                              | H                 | 61.93             | 73.98             | 12.05          | PK               |
| 5350               | 40.14                    | 8.71                              | H                 | 48.85             | 53.98             | 5.13           | AV               |
| 5350               | 52.35                    | 8.71                              | V                 | 61.06             | 73.98             | 12.92          | PK               |
| 5350               | 39.80                    | 8.71                              | V                 | 48.51             | 53.98             | 5.47           | AV               |

|                     |                |
|---------------------|----------------|
| Band :              | UNII 2C        |
| Operation Mode:     | 802.11ax(HE80) |
| Transfer MCS Index: | MCS0           |
| Operating Frequency | 5530 MHz       |
| Channel No.         | 106 Ch         |

| Frequency<br>[MHz] | Measured Level<br>[dB $\mu$ V] | A.F+C.L-A.G<br>+ATT+D.F<br>[dB/m] | ANT. POL<br>[H/V] | Total<br>[dB $\mu$ V/m] | Limit<br>[dB $\mu$ V/m] | Margin<br>[dB] | Measurement Type |
|--------------------|--------------------------------|-----------------------------------|-------------------|-------------------------|-------------------------|----------------|------------------|
| 5460               | 52.27                          | 9.30                              | H                 | 61.57                   | 73.98                   | 12.41          | PK               |
| 5460               | 36.68                          | 9.30                              | H                 | 45.98                   | 53.98                   | 8.00           | AV               |
| 5470               | 53.37                          | 9.34                              | H                 | 62.71                   | 68.20                   | 5.49           | PK               |
| 5460               | 51.47                          | 9.30                              | V                 | 60.77                   | 73.98                   | 13.21          | PK               |
| 5460               | 35.86                          | 9.30                              | V                 | 45.16                   | 53.98                   | 8.82           | AV               |
| 5470               | 52.76                          | 9.34                              | V                 | 62.10                   | 68.20                   | 6.10           | PK               |

**4) 802.11ax(HE160)**

**4.1) 26 Tone**

Band : UNII 1  
 Operation Mode: 802.11ax(HE160)\_(80L)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5210 MHz  
 Channel No. 42 Ch

| Frequency<br>[MHz] | Measured Level<br>[dBμV] | A.F+C.L-A.G<br>+ATT+D.F<br>[dB/m] | ANT. POL<br>[H/V] | Total<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Measurement Type |
|--------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|----------------|------------------|
| 5150               | 43.73                    | 9.11                              | H                 | 52.84             | 73.98             | 21.14          | PK               |
| 5150               | 31.84                    | 9.11                              | H                 | 40.95             | 53.98             | 13.03          | AV               |
| 5150               | 43.42                    | 9.11                              | V                 | 52.53             | 73.98             | 21.45          | PK               |
| 5150               | 31.57                    | 9.11                              | V                 | 40.68             | 53.98             | 13.30          | AV               |

Band : UNII 2A  
 Operation Mode: 802.11ax(HE160)\_(80L)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5290 MHz  
 Channel No. 58 Ch

| Frequency<br>[MHz] | Measured Level<br>[dBμV] | A.F+C.L-A.G<br>+ATT+D.F<br>[dB/m] | ANT. POL<br>[H/V] | Total<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Measurement Type |
|--------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|----------------|------------------|
| 5350               | 46.31                    | 8.71                              | H                 | 55.02             | 73.98             | 18.96          | PK               |
| 5350               | 31.23                    | 8.71                              | H                 | 39.94             | 53.98             | 14.04          | AV               |
| 5350               | 45.72                    | 8.71                              | V                 | 54.43             | 73.98             | 19.55          | PK               |
| 5350               | 30.95                    | 8.71                              | V                 | 39.66             | 53.98             | 14.32          | AV               |

|                     |                       |
|---------------------|-----------------------|
| Band :              | UNII 2C               |
| Operation Mode:     | 802.11ax(HE160)_(80L) |
| Transfer MCS Index: | MCS0                  |
| Operating Frequency | 5530 MHz              |
| Channel No.         | 106 Ch                |

| Frequency<br>[MHz] | Measured Level<br>[dBμV] | A.F+C.L-A.G<br>+ATT+D.F<br>[dB/m] | ANT. POL<br>[H/V] | Total<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Measurement Type |
|--------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|----------------|------------------|
| 5460               | 45.99                    | 9.30                              | H                 | 55.29             | 73.98             | 18.69          | PK               |
| 5460               | 30.93                    | 9.30                              | H                 | 40.23             | 53.98             | 13.75          | AV               |
| 5470               | 44.34                    | 9.34                              | H                 | 53.68             | 68.20             | 14.52          | PK               |
| 5460               | 44.62                    | 9.30                              | V                 | 53.92             | 73.98             | 20.06          | PK               |
| 5460               | 30.77                    | 9.30                              | V                 | 40.07             | 53.98             | 13.91          | AV               |
| 5470               | 44.02                    | 9.34                              | V                 | 53.36             | 68.20             | 14.84          | PK               |

**4.2)52 Tone**

Band : UNII 1  
 Operation Mode: 802.11ax(HE160)\_(80L)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5210 MHz  
 Channel No. 42 Ch

| Frequency<br>[MHz] | Measured Level<br>[dBμV] | A.F+C.L-A.G<br>+ATT+D.F<br>[dB/m] | ANT. POL<br>[H/V] | Total<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Measurement Type |
|--------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|----------------|------------------|
| 5150               | 45.83                    | 9.11                              | H                 | 54.94             | 73.98             | 19.04          | PK               |
| 5150               | 31.77                    | 9.11                              | H                 | 40.88             | 53.98             | 13.10          | AV               |
| 5150               | 45.51                    | 9.11                              | V                 | 54.62             | 73.98             | 19.36          | PK               |
| 5150               | 31.23                    | 9.11                              | V                 | 40.34             | 53.98             | 13.64          | AV               |

Band : UNII 2A  
 Operation Mode: 802.11ax(HE160)\_(80L)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5290 MHz  
 Channel No. 58 Ch

| Frequency<br>[MHz] | Measured Level<br>[dBμV] | A.F+C.L-A.G<br>+ATT+D.F<br>[dB/m] | ANT. POL<br>[H/V] | Total<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Measurement Type |
|--------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|----------------|------------------|
| 5350               | 48.95                    | 8.71                              | H                 | 57.66             | 73.98             | 16.32          | PK               |
| 5350               | 31.36                    | 8.71                              | H                 | 40.07             | 53.98             | 13.91          | AV               |
| 5350               | 47.22                    | 8.71                              | V                 | 55.93             | 73.98             | 18.05          | PK               |
| 5350               | 30.11                    | 8.71                              | V                 | 38.82             | 53.98             | 15.16          | AV               |

|                     |                       |
|---------------------|-----------------------|
| Band :              | UNII 2C               |
| Operation Mode:     | 802.11ax(HE160)_(80L) |
| Transfer MCS Index: | MCS0                  |
| Operating Frequency | 5530 MHz              |
| Channel No.         | 106 Ch                |

| Frequency<br>[MHz] | Measured Level<br>[dBμV] | A.F+C.L-A.G<br>+ATT+D.F<br>[dB/m] | ANT. POL<br>[H/V] | Total<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Measurement Type |
|--------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|----------------|------------------|
| 5460               | 50.25                    | 9.30                              | H                 | 59.55             | 73.98             | 14.43          | PK               |
| 5460               | 31.57                    | 9.30                              | H                 | 40.87             | 53.98             | 13.11          | AV               |
| 5470               | 45.99                    | 9.34                              | H                 | 55.33             | 68.20             | 12.87          | PK               |
| 5460               | 49.76                    | 9.30                              | V                 | 59.06             | 73.98             | 14.92          | PK               |
| 5460               | 31.32                    | 9.30                              | V                 | 40.62             | 53.98             | 13.36          | AV               |
| 5470               | 44.87                    | 9.34                              | V                 | 54.21             | 68.20             | 13.99          | PK               |

**4.3)106 Tone**

Band : UNII 1  
 Operation Mode: 802.11ax(HE160)\_(80L)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5210 MHz  
 Channel No. 42 Ch

| Frequency<br>[MHz] | Measured Level<br>[dBμV] | A.F+C.L-A.G<br>+ATT+D.F<br>[dB/m] | ANT. POL<br>[H/V] | Total<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Measurement Type |
|--------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|----------------|------------------|
| 5150               | 56.25                    | 9.11                              | H                 | 65.36             | 73.98             | 8.62           | PK               |
| 5150               | 31.58                    | 9.11                              | H                 | 40.69             | 53.98             | 13.29          | AV               |
| 5150               | 55.59                    | 9.11                              | V                 | 64.70             | 73.98             | 9.28           | PK               |
| 5150               | 31.34                    | 9.11                              | V                 | 40.45             | 53.98             | 13.53          | AV               |

Band : UNII 2A  
 Operation Mode: 802.11ax(HE160)\_(80U)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5290 MHz  
 Channel No. 58 Ch

| Frequency<br>[MHz] | Measured Level<br>[dBμV] | A.F+C.L-A.G<br>+ATT+D.F<br>[dB/m] | ANT. POL<br>[H/V] | Total<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Measurement Type |
|--------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|----------------|------------------|
| 5350               | 57.65                    | 8.71                              | H                 | 66.36             | 73.98             | 7.62           | PK               |
| 5350               | 32.83                    | 8.71                              | H                 | 41.54             | 53.98             | 12.44          | AV               |
| 5350               | 56.08                    | 8.71                              | V                 | 64.79             | 73.98             | 9.19           | PK               |
| 5350               | 31.19                    | 8.71                              | V                 | 39.90             | 53.98             | 14.08          | AV               |

|                     |                       |
|---------------------|-----------------------|
| Band :              | UNII 2C               |
| Operation Mode:     | 802.11ax(HE160)_(80L) |
| Transfer MCS Index: | MCS0                  |
| Operating Frequency | 5530 MHz              |
| Channel No.         | 106 Ch                |

| Frequency<br>[MHz] | Measured Level<br>[dB $\mu$ V] | A.F+C.L-A.G<br>+ATT+D.F<br>[dB/m] | ANT. POL<br>[H/V] | Total<br>[dB $\mu$ V/m] | Limit<br>[dB $\mu$ V/m] | Margin<br>[dB] | Measurement Type |
|--------------------|--------------------------------|-----------------------------------|-------------------|-------------------------|-------------------------|----------------|------------------|
| 5460               | 52.35                          | 9.30                              | H                 | 61.65                   | 73.98                   | 12.33          | PK               |
| 5460               | 31.44                          | 9.30                              | H                 | 40.74                   | 53.98                   | 13.24          | AV               |
| 5470               | 49.97                          | 9.34                              | H                 | 59.31                   | 68.20                   | 8.89           | PK               |
| 5460               | 51.11                          | 9.30                              | V                 | 60.41                   | 73.98                   | 13.57          | PK               |
| 5460               | 31.15                          | 9.30                              | V                 | 40.45                   | 53.98                   | 13.53          | AV               |
| 5470               | 48.67                          | 9.34                              | V                 | 58.01                   | 68.20                   | 10.19          | PK               |

**4.4)242 Tone**

Band : UNII 1  
 Operation Mode: 802.11ax(HE160)\_(80L)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5210 MHz  
 Channel No. 42 Ch

| Frequency<br>[MHz] | Measured Level<br>[dBμV] | A.F+C.L-A.G<br>+ATT+D.F<br>[dB/m] | ANT. POL<br>[H/V] | Total<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Measurement Type |
|--------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|----------------|------------------|
| 5150               | 50.78                    | 9.11                              | H                 | 59.89             | 73.98             | 14.09          | PK               |
| 5150               | 31.25                    | 9.11                              | H                 | 40.36             | 53.98             | 13.62          | AV               |
| 5150               | 50.16                    | 9.11                              | V                 | 59.27             | 73.98             | 14.71          | PK               |
| 5150               | 30.58                    | 9.11                              | V                 | 39.69             | 53.98             | 14.29          | AV               |

Band : UNII 2A  
 Operation Mode: 802.11ax(HE160)\_(80U)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5290 MHz  
 Channel No. 58 Ch

| Frequency<br>[MHz] | Measured Level<br>[dBμV] | A.F+C.L-A.G<br>+ATT+D.F<br>[dB/m] | ANT. POL<br>[H/V] | Total<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Measurement Type |
|--------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|----------------|------------------|
| 5350               | 54.32                    | 8.71                              | H                 | 63.03             | 73.98             | 10.95          | PK               |
| 5350               | 32.33                    | 8.71                              | H                 | 41.04             | 53.98             | 12.94          | AV               |
| 5350               | 53.82                    | 8.71                              | V                 | 62.53             | 73.98             | 11.45          | PK               |
| 5350               | 31.74                    | 8.71                              | V                 | 40.45             | 53.98             | 13.53          | AV               |

|                     |                       |
|---------------------|-----------------------|
| Band :              | UNII 2C               |
| Operation Mode:     | 802.11ax(HE160)_(80L) |
| Transfer MCS Index: | MCS0                  |
| Operating Frequency | 5530 MHz              |
| Channel No.         | 106 Ch                |

| Frequency<br>[MHz] | Measured Level<br>[dBμV] | A.F+C.L-A.G<br>+ATT+D.F<br>[dB/m] | ANT. POL<br>[H/V] | Total<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Measurement Type |
|--------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|----------------|------------------|
| 5460               | 52.49                    | 9.30                              | H                 | 61.79             | 73.98             | 12.19          | PK               |
| 5460               | 31.43                    | 9.30                              | H                 | 40.73             | 53.98             | 13.25          | AV               |
| 5470               | 47.91                    | 9.34                              | H                 | 57.25             | 68.20             | 10.95          | PK               |
| 5460               | 52.15                    | 9.30                              | V                 | 61.45             | 73.98             | 12.53          | PK               |
| 5460               | 30.88                    | 9.30                              | V                 | 40.18             | 53.98             | 13.80          | AV               |
| 5470               | 46.99                    | 9.34                              | V                 | 56.33             | 68.20             | 11.87          | PK               |

**4.5)484 Tone**

Band : UNII 1  
 Operation Mode: 802.11ax(HE160)\_(80L)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5210 MHz  
 Channel No. 42 Ch

| Frequency<br>[MHz] | Measured Level<br>[dBμV] | A.F+C.L-A.G<br>+ATT+D.F<br>[dB/m] | ANT. POL<br>[H/V] | Total<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Measurement Type |
|--------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|----------------|------------------|
| 5150               | 50.22                    | 9.11                              | H                 | 59.33             | 73.98             | 14.65          | PK               |
| 5150               | 33.41                    | 9.11                              | H                 | 42.52             | 53.98             | 11.46          | AV               |
| 5150               | 49.97                    | 9.11                              | V                 | 59.08             | 73.98             | 14.90          | PK               |
| 5150               | 33.09                    | 9.11                              | V                 | 42.20             | 53.98             | 11.78          | AV               |

Band : UNII 2A  
 Operation Mode: 802.11ax(HE160)\_(80U)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5290 MHz  
 Channel No. 58 Ch

| Frequency<br>[MHz] | Measured Level<br>[dBμV] | A.F+C.L-A.G<br>+ATT+D.F<br>[dB/m] | ANT. POL<br>[H/V] | Total<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Measurement Type |
|--------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|----------------|------------------|
| 5350               | 54.46                    | 8.71                              | H                 | 63.17             | 73.98             | 10.81          | PK               |
| 5350               | 33.14                    | 8.71                              | H                 | 41.85             | 53.98             | 12.13          | AV               |
| 5350               | 53.84                    | 8.71                              | V                 | 62.55             | 73.98             | 11.43          | PK               |
| 5350               | 32.81                    | 8.71                              | V                 | 41.52             | 53.98             | 12.46          | AV               |

|                     |                       |
|---------------------|-----------------------|
| Band :              | UNII 2C               |
| Operation Mode:     | 802.11ax(HE160)_(80L) |
| Transfer MCS Index: | MCS0                  |
| Operating Frequency | 5530 MHz              |
| Channel No.         | 106 Ch                |

| Frequency<br>[MHz] | Measured Level<br>[dBμV] | A.F+C.L-A.G<br>+ATT+D.F<br>[dB/m] | ANT. POL<br>[H/V] | Total<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Measurement Type |
|--------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|----------------|------------------|
| 5460               | 52.75                    | 9.30                              | H                 | 62.05             | 73.98             | 11.93          | PK               |
| 5460               | 32.07                    | 9.30                              | H                 | 41.37             | 53.98             | 12.61          | AV               |
| 5470               | 47.84                    | 9.34                              | H                 | 57.18             | 68.20             | 11.02          | PK               |
| 5460               | 51.66                    | 9.30                              | V                 | 60.96             | 73.98             | 13.02          | PK               |
| 5460               | 31.65                    | 9.30                              | V                 | 40.95             | 53.98             | 13.03          | AV               |
| 5470               | 47.05                    | 9.34                              | V                 | 56.39             | 68.20             | 11.81          | PK               |

**4.6)996 Tone**

Band : UNII 1  
 Operation Mode: 802.11ax(HE160)\_(80L)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5250 MHz  
 Channel No. 50 Ch

| Frequency<br>[MHz] | Measured Level<br>[dBμV] | A.F+C.L-A.G<br>+ATT+D.F<br>[dB/m] | ANT. POL<br>[H/V] | Total<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Measurement Type |
|--------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|----------------|------------------|
| 5150               | 51.79                    | 9.11                              | H                 | 60.90             | 73.98             | 13.08          | PK               |
| 5150               | 33.98                    | 9.11                              | H                 | 43.09             | 53.98             | 10.89          | AV               |
| 5150               | 50.38                    | 9.11                              | V                 | 59.49             | 73.98             | 14.49          | PK               |
| 5150               | 33.56                    | 9.11                              | V                 | 42.67             | 53.98             | 11.31          | AV               |

Band : UNII 2A  
 Operation Mode: 802.11ax(HE160)\_(80U)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5250 MHz  
 Channel No. 50 Ch

| Frequency<br>[MHz] | Measured Level<br>[dBμV] | A.F+C.L-A.G<br>+ATT+D.F<br>[dB/m] | ANT. POL<br>[H/V] | Total<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Measurement Type |
|--------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|----------------|------------------|
| 5350               | 54.58                    | 8.71                              | H                 | 63.29             | 73.98             | 10.69          | PK               |
| 5350               | 33.14                    | 8.71                              | H                 | 41.85             | 53.98             | 12.13          | AV               |
| 5350               | 53.61                    | 8.71                              | V                 | 62.32             | 73.98             | 11.66          | PK               |
| 5350               | 32.54                    | 8.71                              | V                 | 41.25             | 53.98             | 12.73          | AV               |

|                     |                       |
|---------------------|-----------------------|
| Band :              | UNII 2C               |
| Operation Mode:     | 802.11ax(HE160)_(80L) |
| Transfer MCS Index: | MCS0                  |
| Operating Frequency | 5530 MHz              |
| Channel No.         | 106 Ch                |

| Frequency<br>[MHz] | Measured Level<br>[dBμV] | A.F+C.L-A.G<br>+ATT+D.F<br>[dB/m] | ANT. POL<br>[H/V] | Total<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Measurement Type |
|--------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|----------------|------------------|
| 5460               | 53.08                    | 9.30                              | H                 | 62.38             | 73.98             | 11.60          | PK               |
| 5460               | 32.52                    | 9.30                              | H                 | 41.82             | 53.98             | 12.16          | AV               |
| 5470               | 48.12                    | 9.34                              | H                 | 57.46             | 68.20             | 10.74          | PK               |
| 5460               | 52.98                    | 9.30                              | V                 | 62.28             | 73.98             | 11.70          | PK               |
| 5460               | 32.34                    | 9.30                              | V                 | 41.64             | 53.98             | 12.34          | AV               |
| 5470               | 47.93                    | 9.34                              | V                 | 57.27             | 68.20             | 10.93          | PK               |

**4.7)SU**

|                     |                 |
|---------------------|-----------------|
| Band :              | UNII 1          |
| Operation Mode:     | 802.11ax(HE160) |
| Transfer MCS Index: | MCS0            |
| Operating Frequency | 5210 MHz        |
| Channel No.         | 42 Ch           |

| Frequency<br>[MHz] | Measured Level<br>[dBμV] | A.F+C.L-A.G<br>+ATT+D.F<br>[dB/m] | ANT. POL<br>[H/V] | Total<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Measurement Type |
|--------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|----------------|------------------|
| 5150               | 49.20                    | 9.11                              | H                 | 58.31             | 73.98             | 15.67          | PK               |
| 5150               | 35.78                    | 9.11                              | H                 | 44.89             | 53.98             | 9.09           | AV               |
| 5150               | 48.95                    | 9.11                              | V                 | 58.06             | 73.98             | 15.92          | PK               |
| 5150               | 35.41                    | 9.11                              | V                 | 44.52             | 53.98             | 9.46           | AV               |

|                     |                 |
|---------------------|-----------------|
| Band :              | UNII 2A         |
| Operation Mode:     | 802.11ax(HE160) |
| Transfer MCS Index: | MCS0            |
| Operating Frequency | 5290 MHz        |
| Channel No.         | 58 Ch           |

| Frequency<br>[MHz] | Measured Level<br>[dBμV] | A.F+C.L-A.G<br>+ATT+D.F<br>[dB/m] | ANT. POL<br>[H/V] | Total<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Measurement Type |
|--------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|----------------|------------------|
| 5350               | 53.56                    | 8.71                              | H                 | 62.27             | 73.98             | 11.71          | PK               |
| 5350               | 40.88                    | 8.71                              | H                 | 49.59             | 53.98             | 4.39           | AV               |
| 5350               | 51.16                    | 8.71                              | V                 | 59.87             | 73.98             | 14.11          | PK               |
| 5350               | 38.05                    | 8.71                              | V                 | 46.76             | 53.98             | 7.22           | AV               |

|                     |                 |
|---------------------|-----------------|
| Band :              | UNII 2C         |
| Operation Mode:     | 802.11ax(HE160) |
| Transfer MCS Index: | MCS0            |
| Operating Frequency | 5530 MHz        |
| Channel No.         | 106 Ch          |

| Frequency<br>[MHz] | Measured<br>Level<br>[dB $\mu$ V] | A.F+C.L-A.G<br>+ATT+D.F<br>[dB/m] | ANT. POL<br>[H/V] | Total<br>[dB $\mu$ V/m] | Limit<br>[dB $\mu$ V/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------------------------|-----------------------------------|-------------------|-------------------------|-------------------------|----------------|---------------------|
| 5460               | 51.32                             | 9.30                              | H                 | 60.62                   | 73.98                   | 13.36          | PK                  |
| 5460               | 38.77                             | 9.30                              | H                 | 48.07                   | 53.98                   | 5.91           | AV                  |
| 5470               | 51.82                             | 9.34                              | H                 | 61.16                   | 68.20                   | 7.04           | PK                  |
| 5460               | 50.66                             | 9.30                              | V                 | 59.96                   | 73.98                   | 14.02          | PK                  |
| 5460               | 37.47                             | 9.30                              | V                 | 46.77                   | 53.98                   | 7.21           | AV                  |
| 5470               | 51.12                             | 9.34                              | V                 | 60.46                   | 68.20                   | 7.74           | PK                  |

**Note:**

All Modes of operation were investigated and the worst case configuration results are reported.

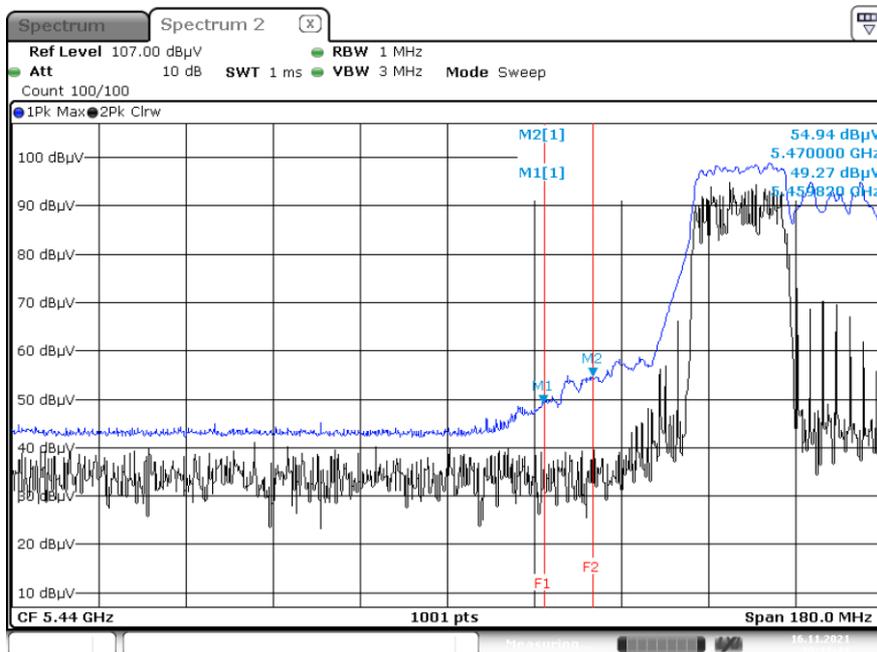
In order to simplify the report, We only have attached Bandedge result of worst case.

☑ Test Plots(UNII 1, 2A, 2C),  
[MIMO]

Average result (802.11ax(HE40), Ch.62, SU, X-H)



Peak result (802.11ax(HE40), Ch.102, 242 Tone RU 61, Z-H)



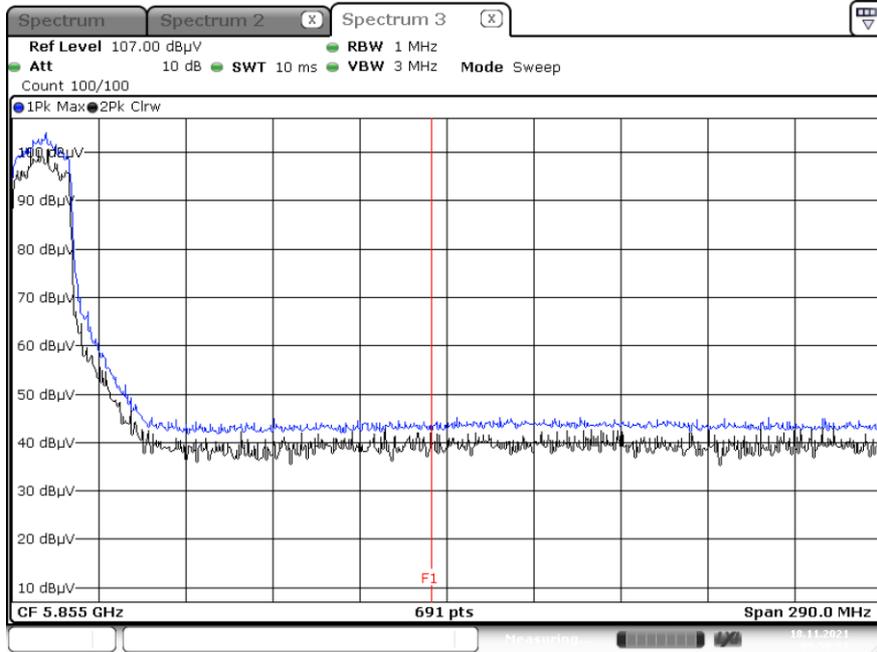
**Note:**

Only the worst case plots for Radiated Restricted Band Edge.

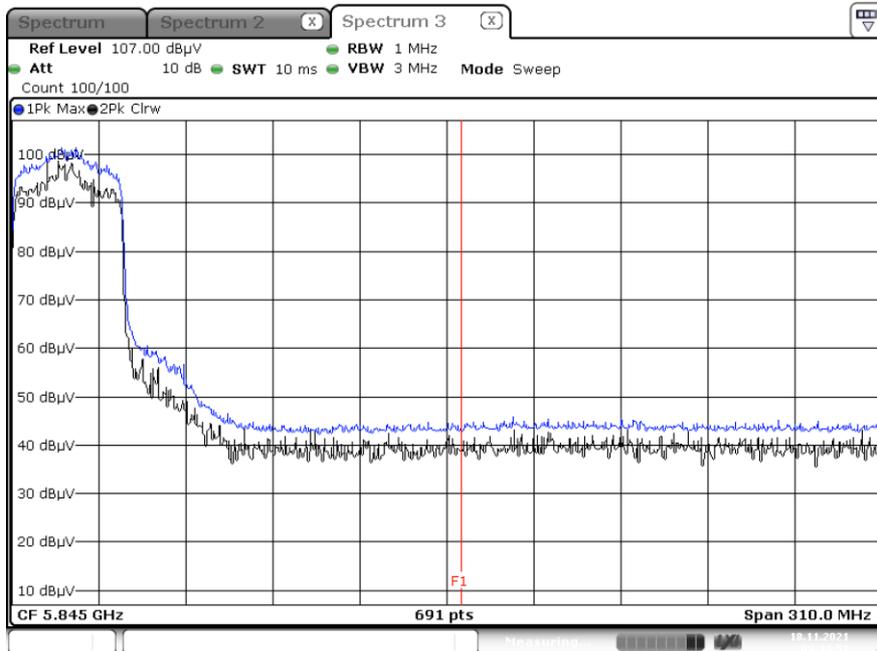
▣ Test Plots(Staraddle Channel)

[MIMO]

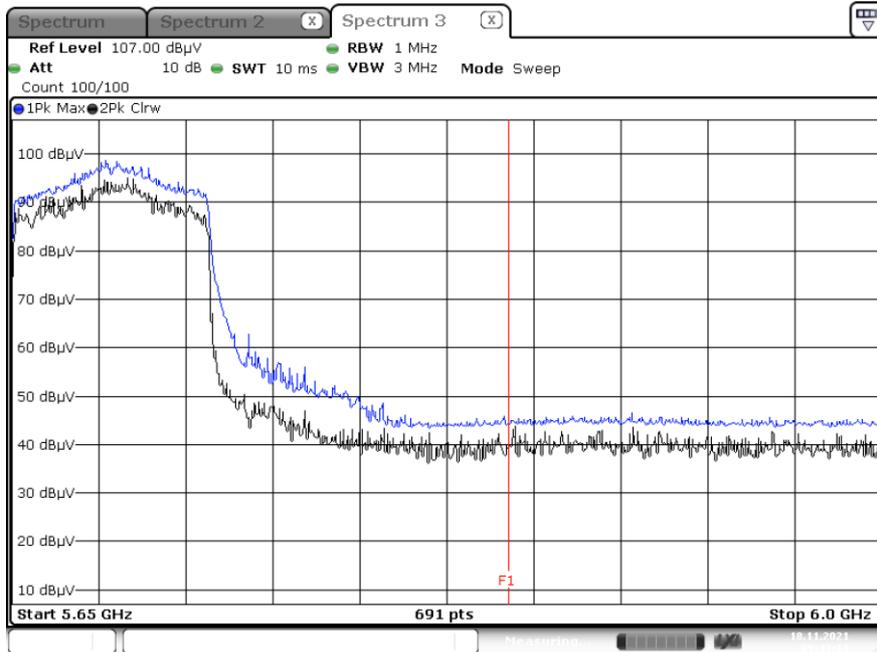
Peak result (802.11ax(HE20), Ch.144, SU, X-H)



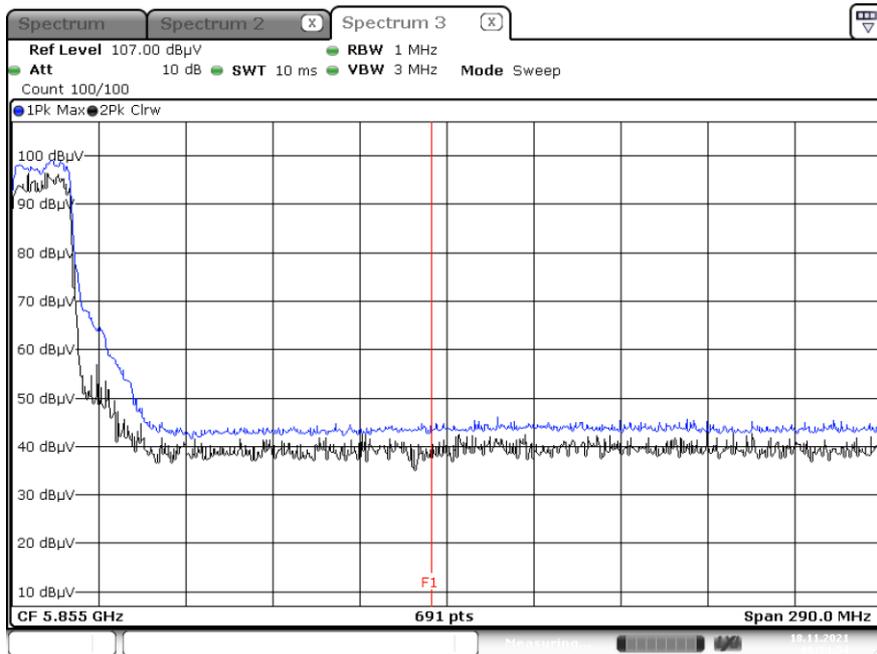
Peak result (802.11ax(HE40), Ch.142, SU, X-H)



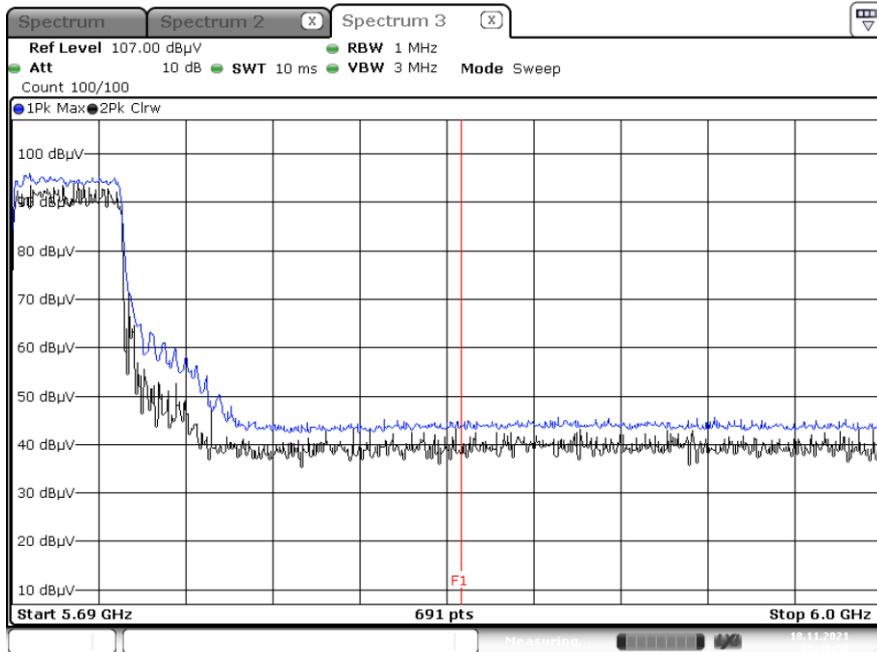
Peak result (802.11ax(HE80), Ch.138, SU, X-H)



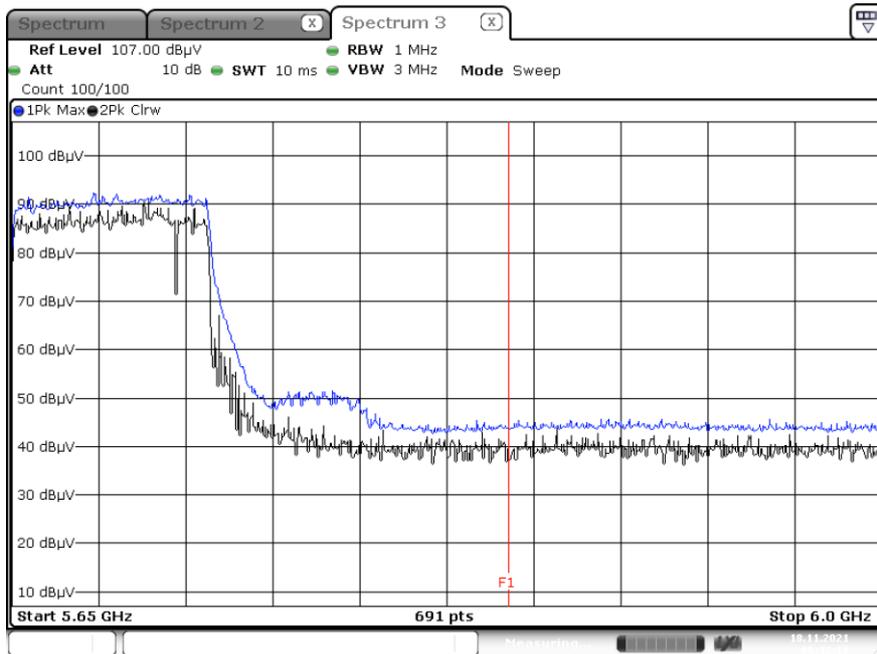
Peak result (802.11ax(HE20), Ch.144, 242 Tone RU 61, X-H)



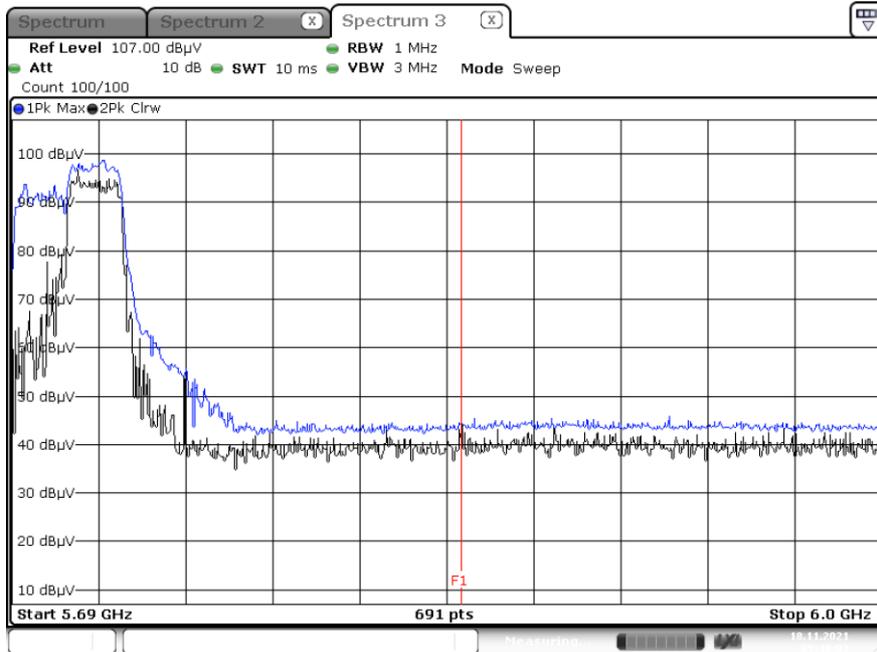
Peak result (802.11ax(HE40), Ch.142, 484 Tone RU 65, X-H)



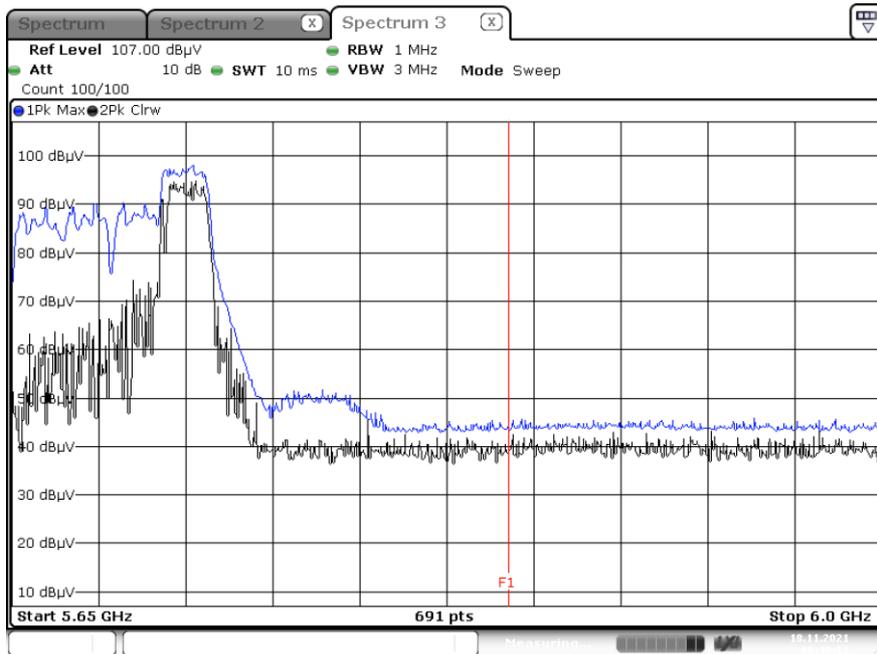
Peak result (802.11ax(HE80), Ch.138, 996 Tone RU 67, X-H)



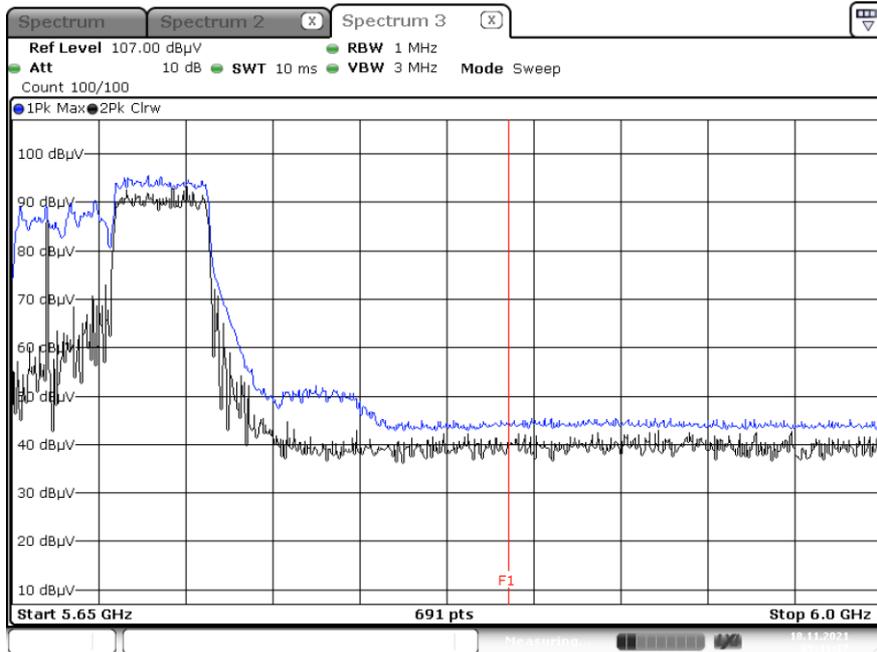
Peak result (802.11ax(HE20), Ch.142, 242 Tone RU 62, X-H)



Peak result (802.11ax(HE80), Ch.138, 242 Tone RU 64, X-H)



Peak result (802.11ax(HE80), Ch.138, 484 Tone RU 66, X-H)



**Note :**

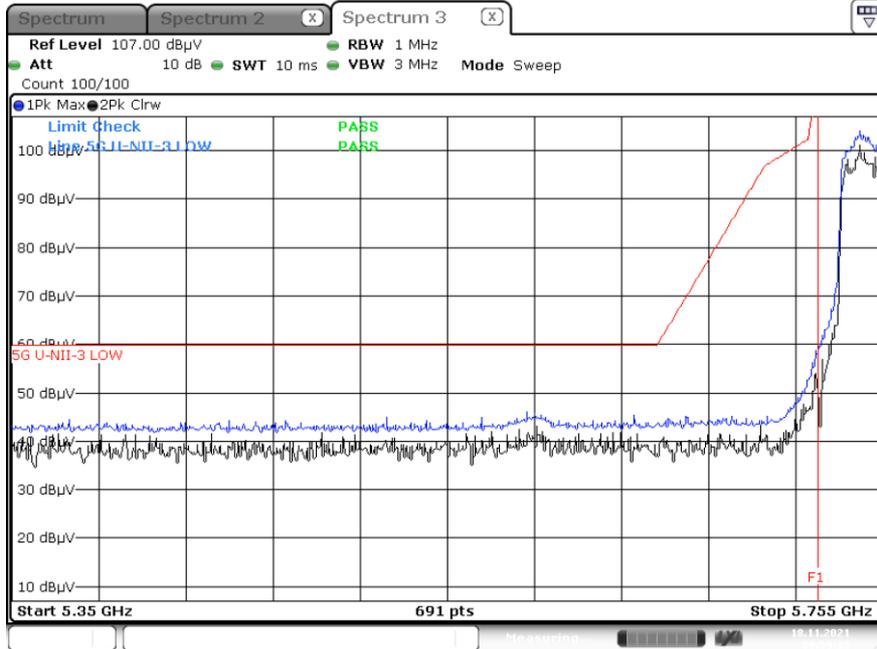
1. Only the worst case plots for Radiated Restricted Band Edge.
2. Red line : 5850 MHz
3. Ambient Noise (Because of ambient noise, We attached only the worst plot without a data table)

▣ Test Plots(UNII 3)

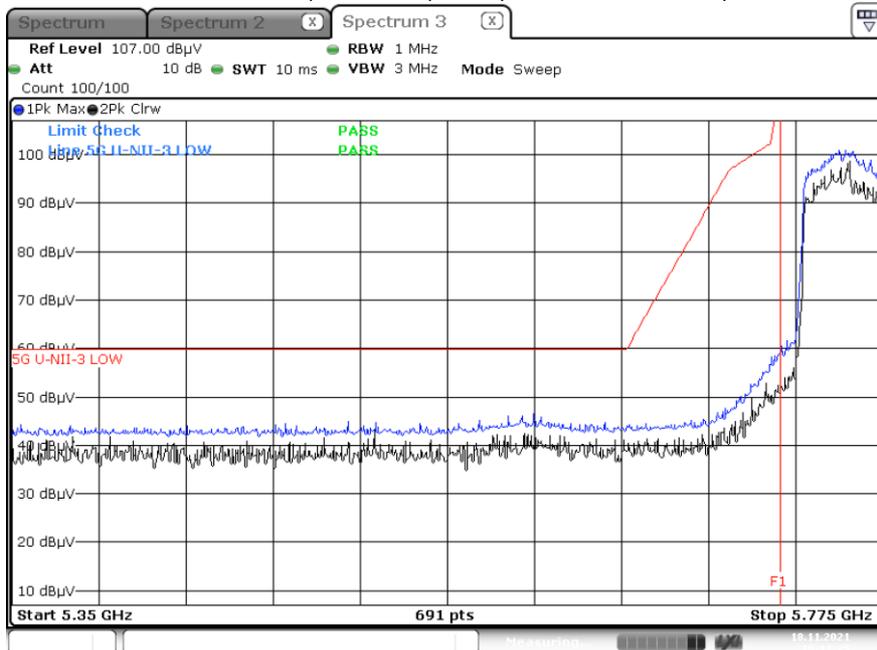
[MIMO]

Low Edge

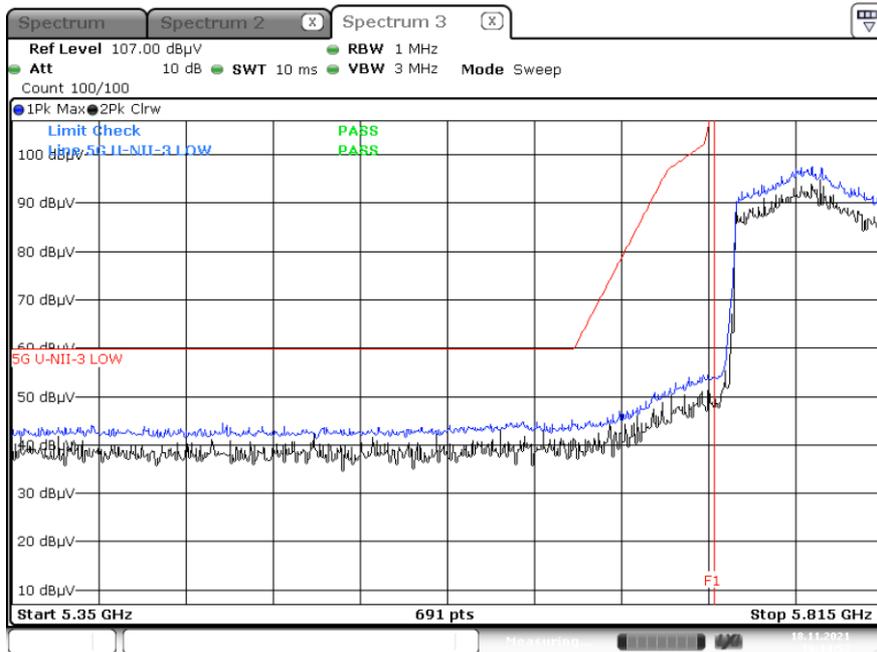
Peak result (802.11ax(HE20), Ch.149, SU, Z-H)



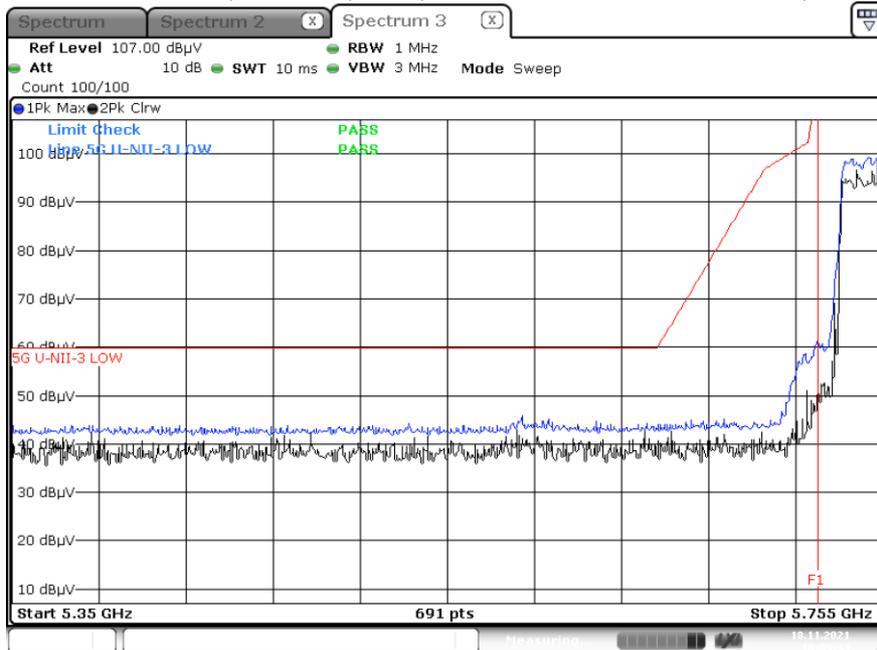
Peak result (802.11ax(HE40), Ch.151, SU, Z-H)



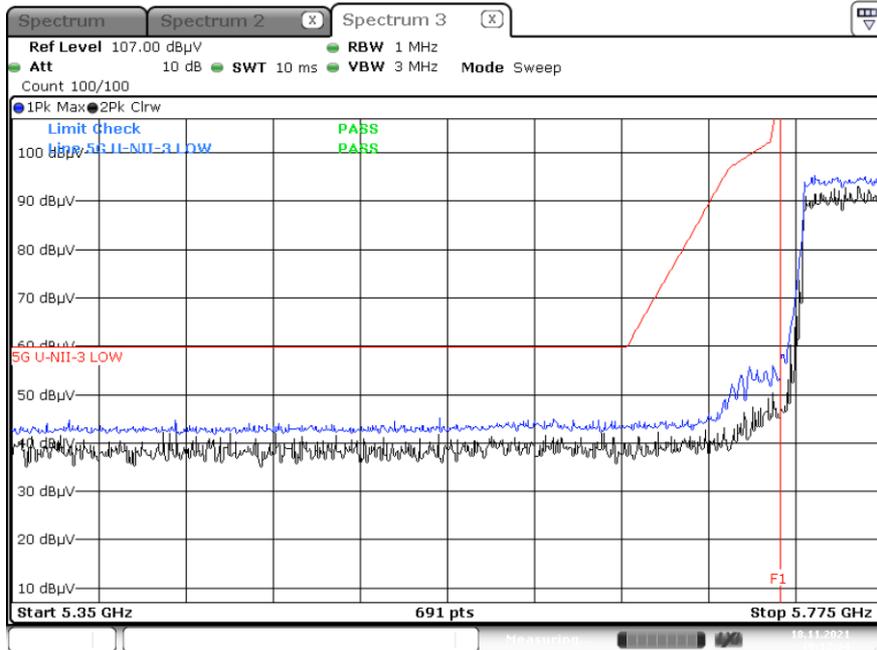
Peak result (802.11ax(HE80), Ch.155, SU, Z-H)



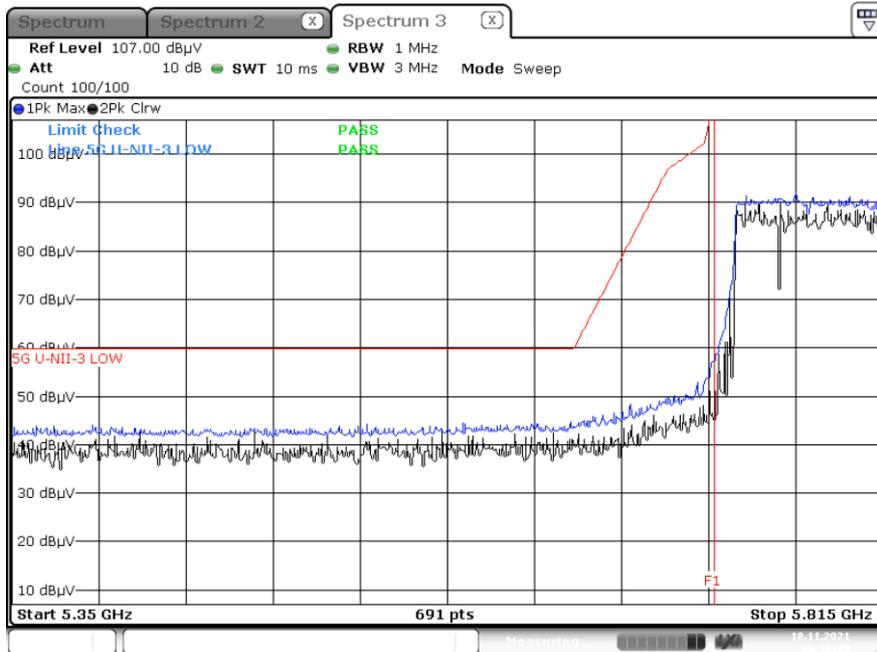
Peak result (802.11ax(HE20), Ch.149, 242 Tone RU 61, Z-H)



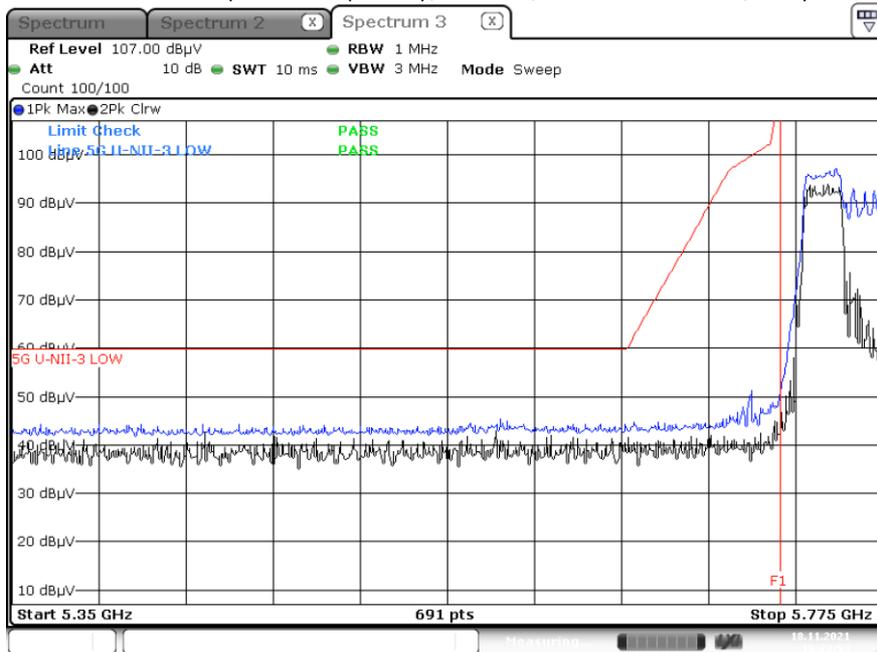
Peak result (802.11ax(HE40), Ch.151, 484 Tone RU 65, Z-H)



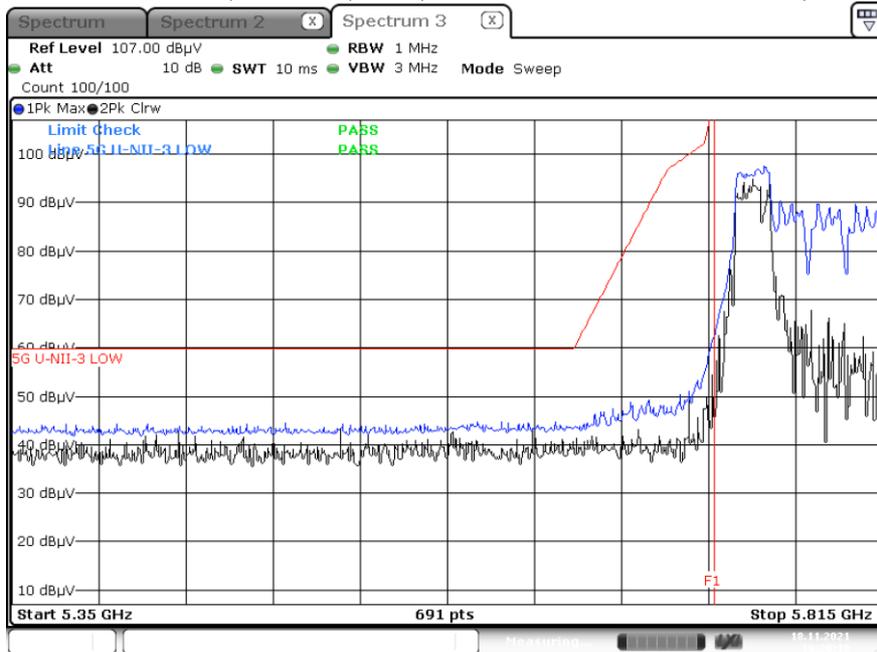
Peak result (802.11ax(HE80), Ch.155, 996 Tone RU 67, Z-H)



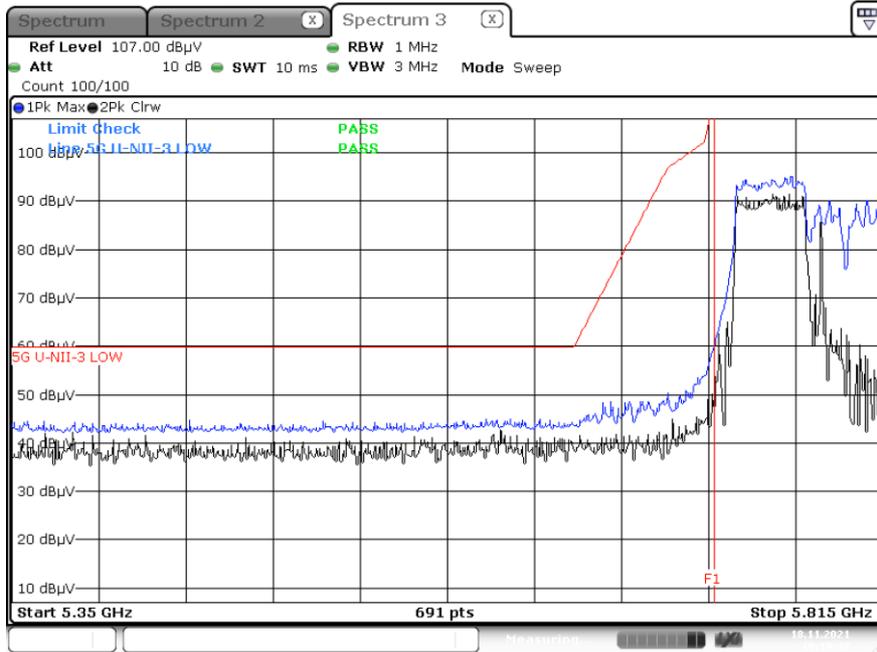
Peak result (802.11ax(HE20), Ch.151, 242 Tone RU 61, Z-H)



Peak result (802.11ax(HE80), Ch.155, 242 Tone RU 61, Z-H)

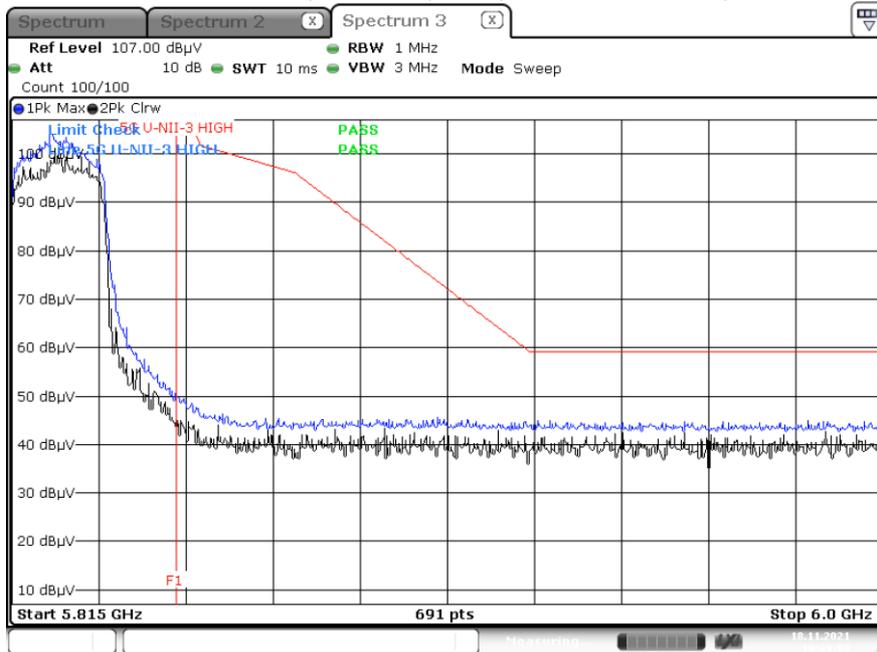


Peak result (802.11ax(HE80), Ch.155, 484 Tone RU 65, Z-H)

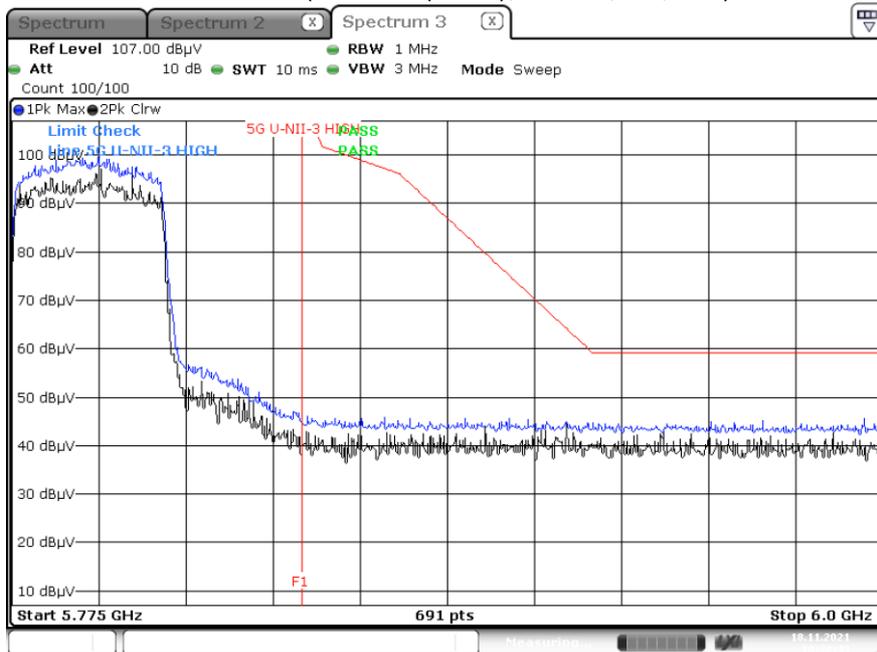


**High Edge**

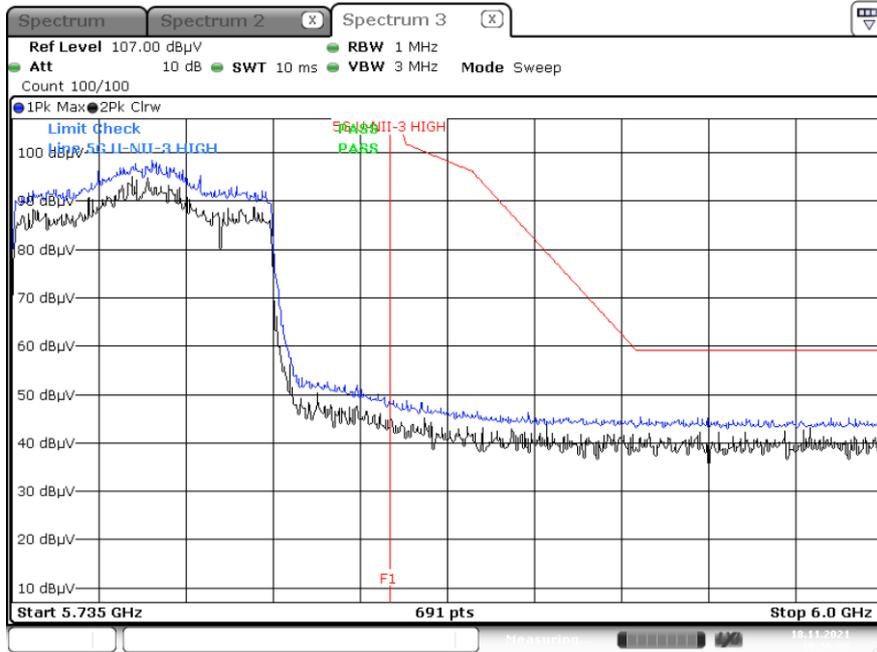
Peak result (802.11ax(HE20), Ch.165, SU, X-H)



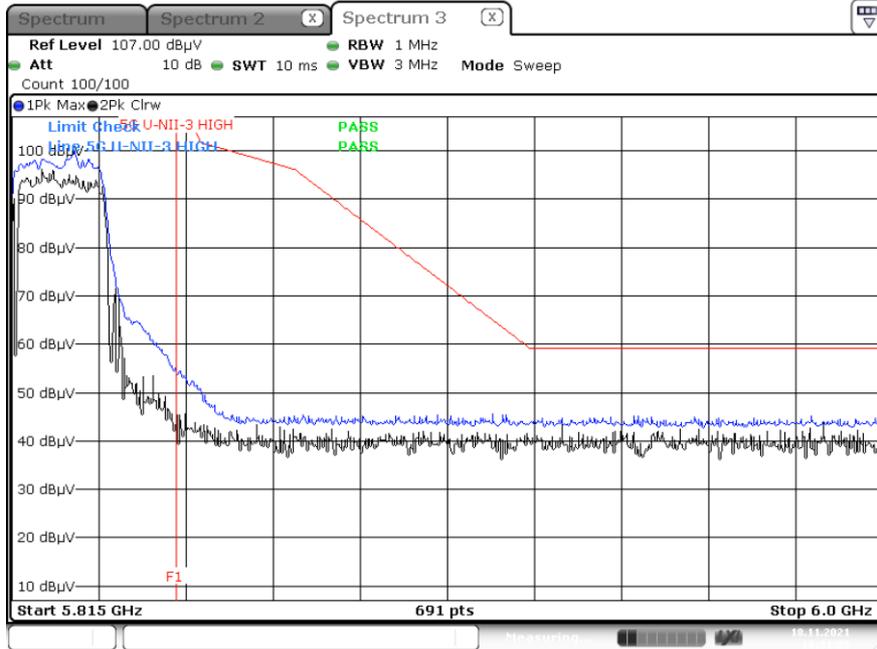
Peak result (802.11ax(HE40), Ch.159, SU, X-H)



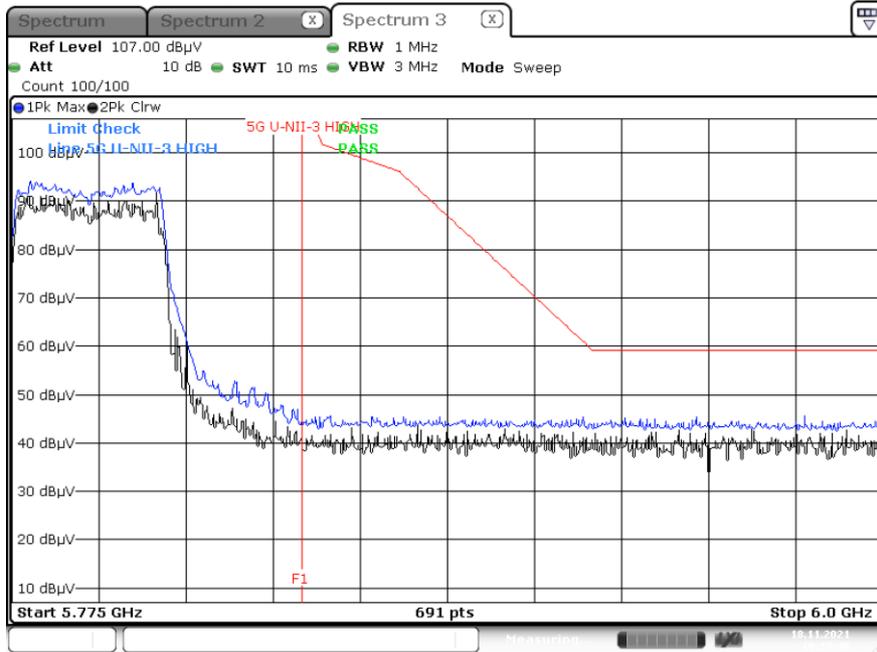
Peak result (802.11ax(HE80), Ch.155, SU, X-H)



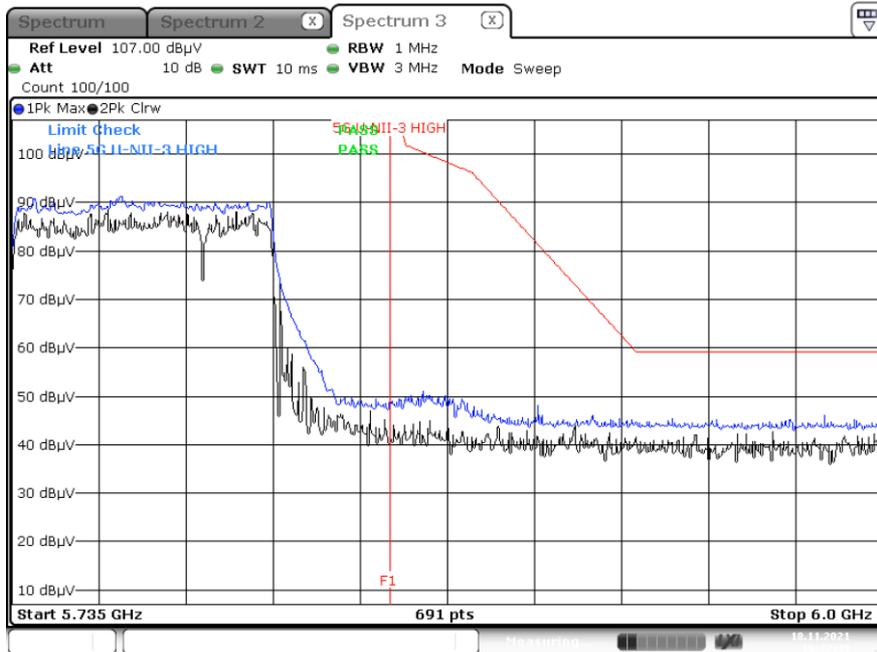
Peak result (802.11ax(HE20), Ch.165, 242 Tone RU 61, X-H)



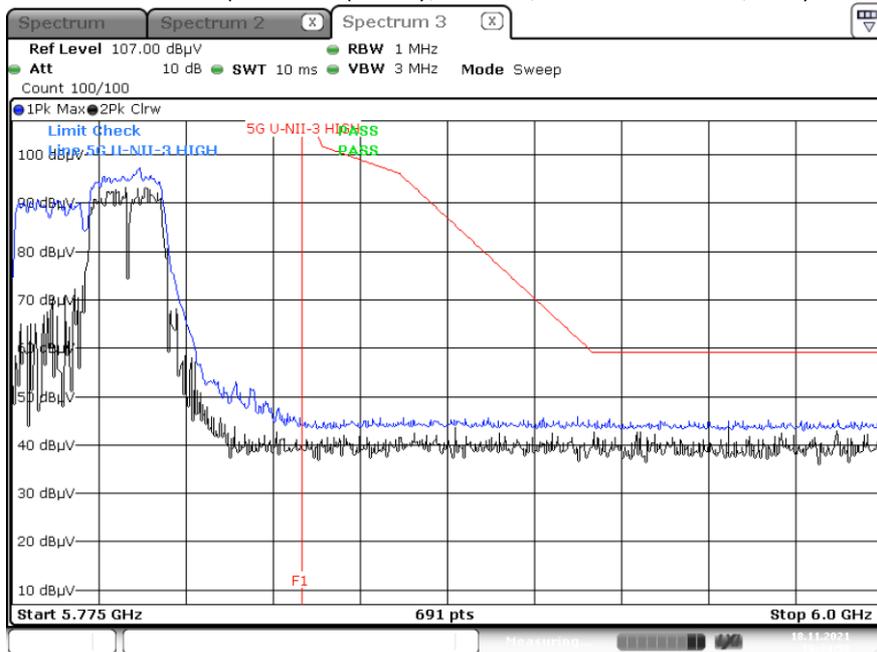
Peak result (802.11ax(HE40), Ch.159, 484 Tone RU 65, X-H)



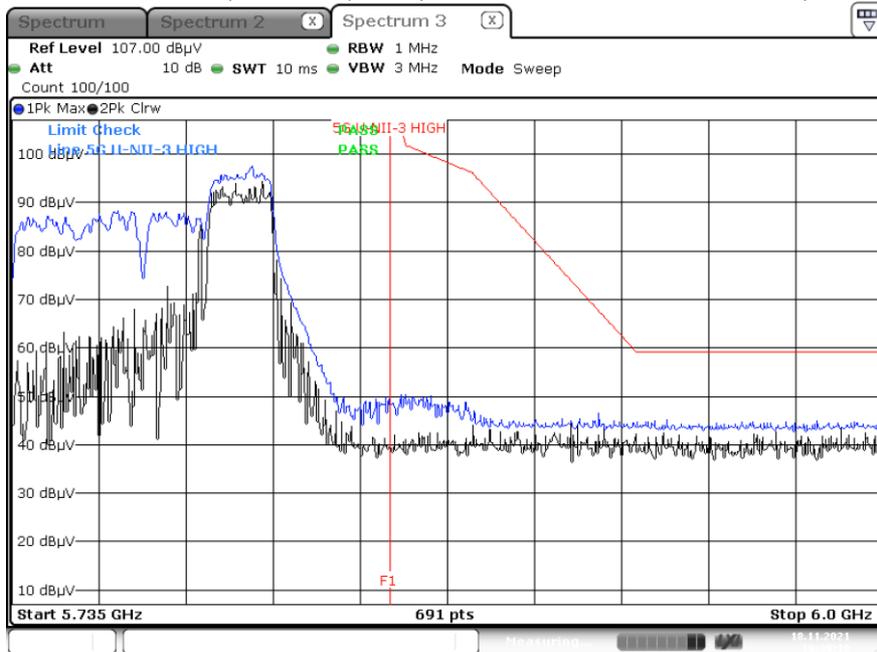
Peak result (802.11ax(HE80), Ch.155, 996 Tone RU 67, X-H)



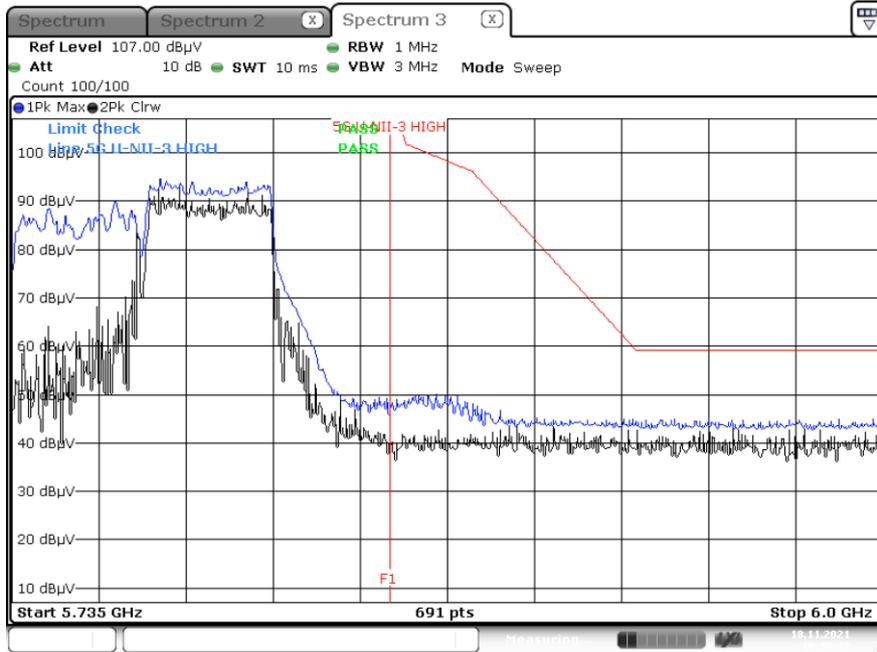
Peak result (802.11ax(HE20), Ch.159, 242 Tone RU 62, X-H)



Peak result (802.11ax(HE80), Ch.155, 242 Tone RU 64, X-H)



Peak result (802.11ax(HE80), Ch.155, 484 Tone RU 66, X-H)



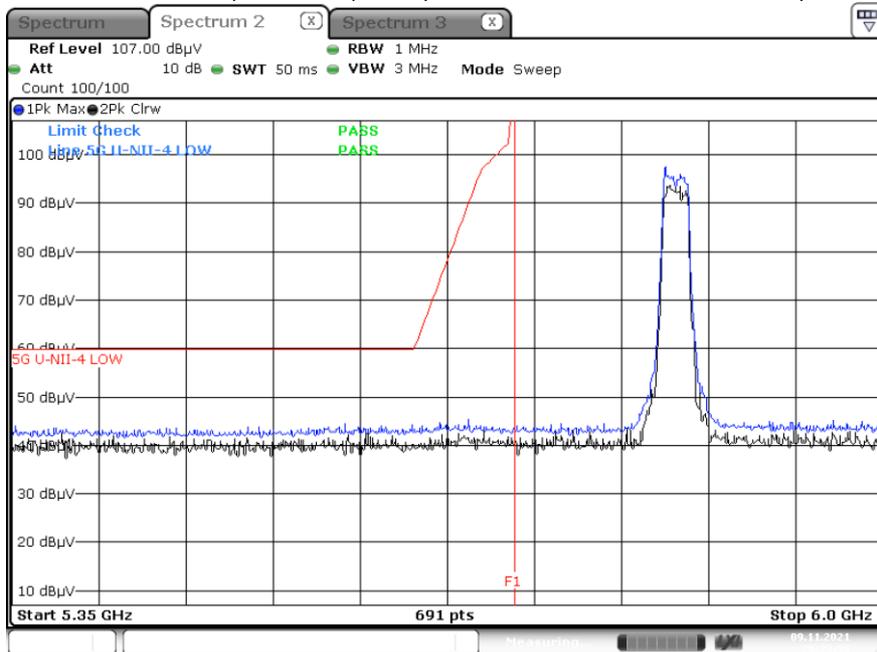
**Note :**

1. Only the worst case plots for U-NII-3 Out of Band e.i.r.p Emission.
2. U-NII-3 Low & High Band Edge RedLine is Final Test Limit about factor value compensation.

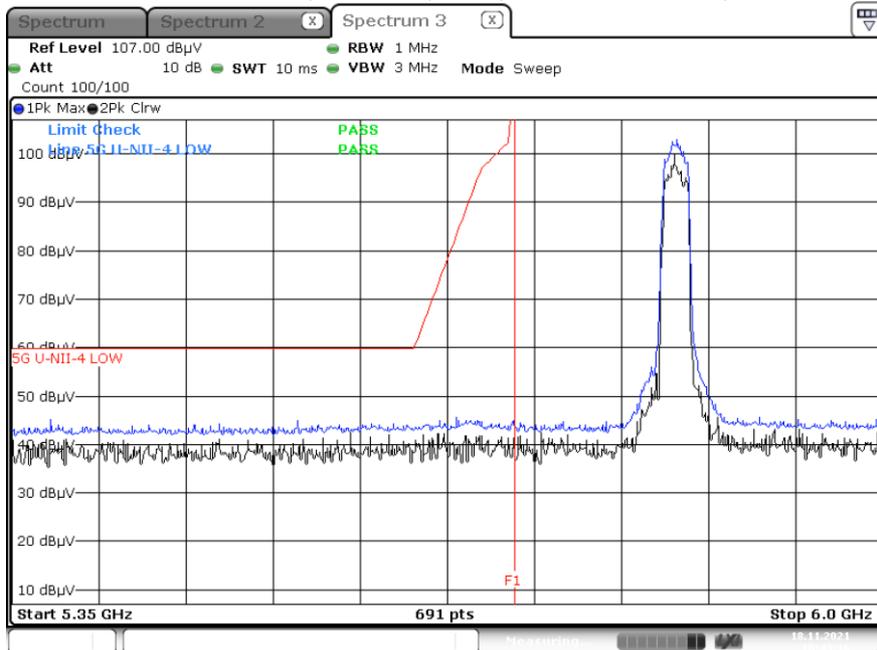
▣ Test Plots(UNII 4)

[MIMO]

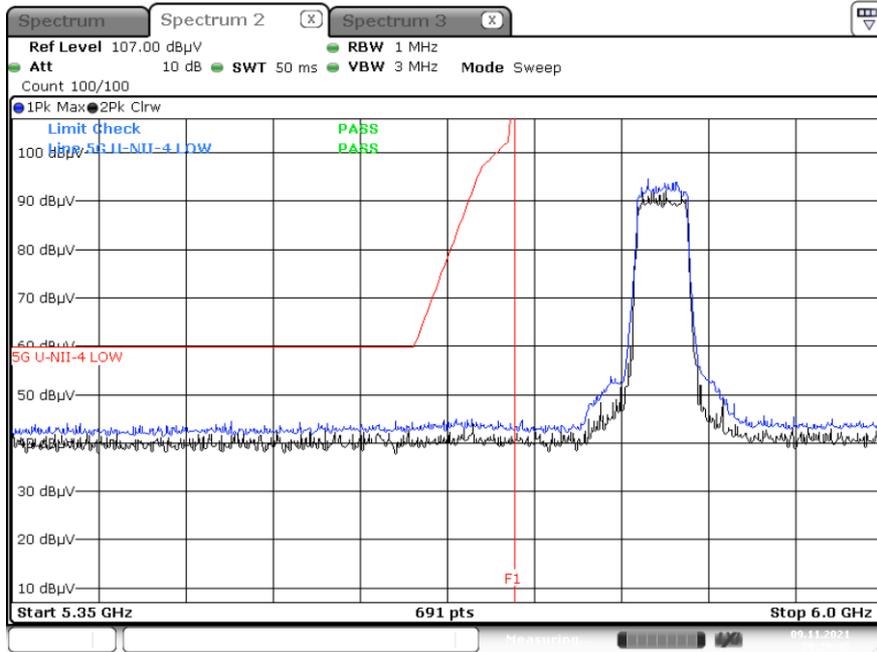
Peak result (802.11ax(HE20), Ch.169, 242 Tone RU61, X-H)



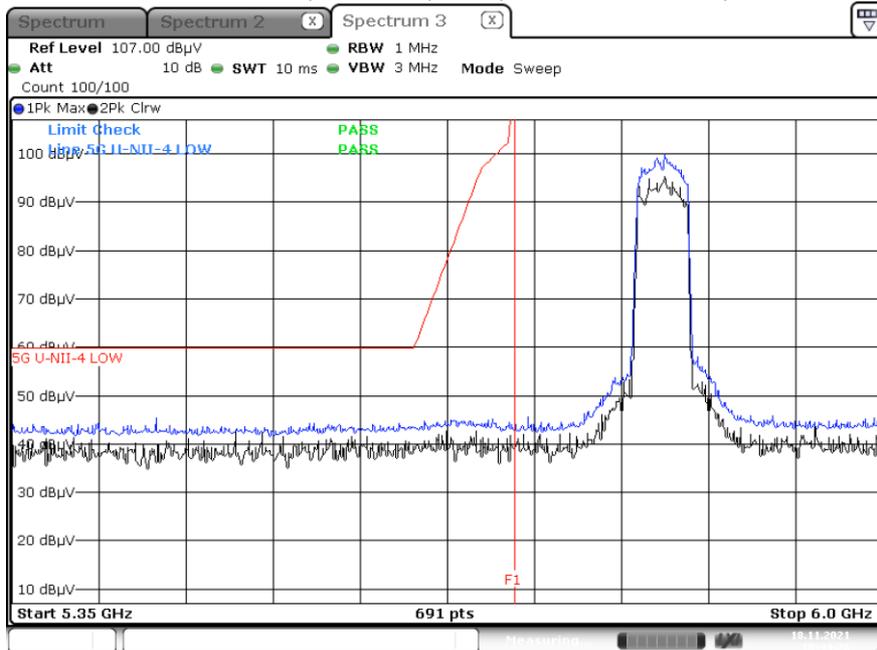
Peak result (802.11ax(HE20), Ch.169, SU, X-H)



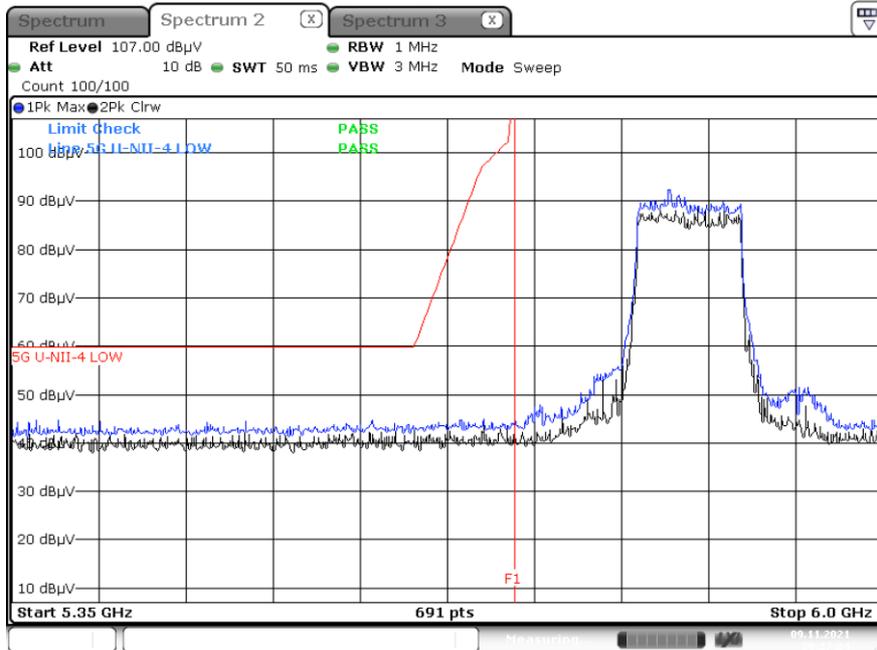
Peak result (802.11ax(HE40), Ch.167, 484 Tone RU 65, X-H)



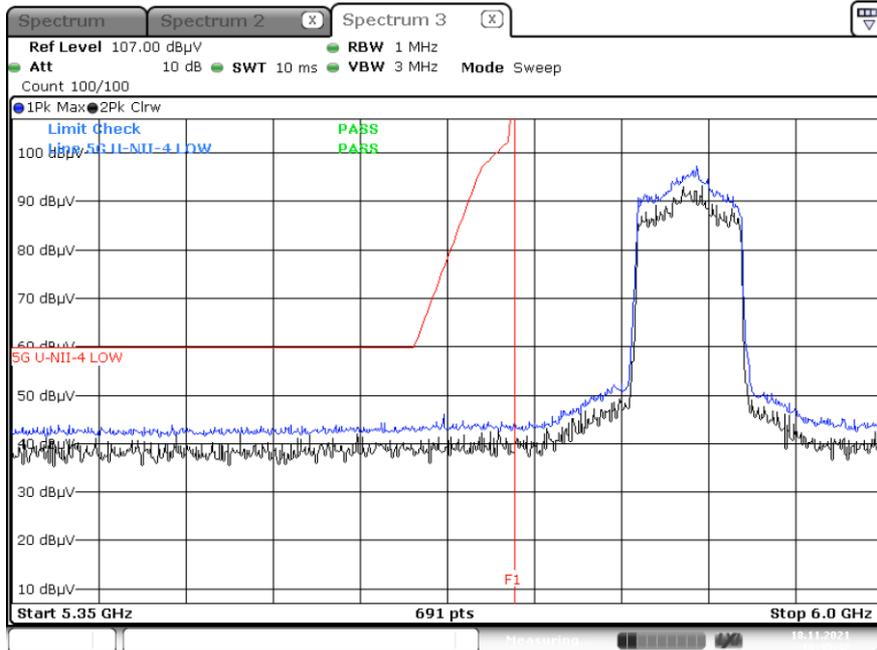
Peak result (802.11ax(HE40), Ch.167, SU, X-H)



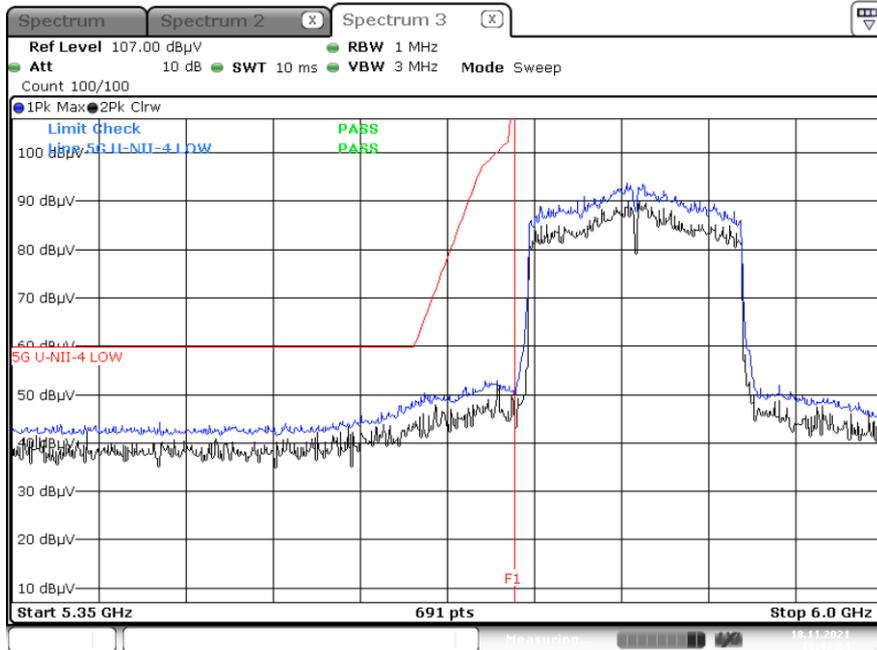
Peak result (802.11ax(HE80), Ch.171, 996 Tone RU 67, X-H)



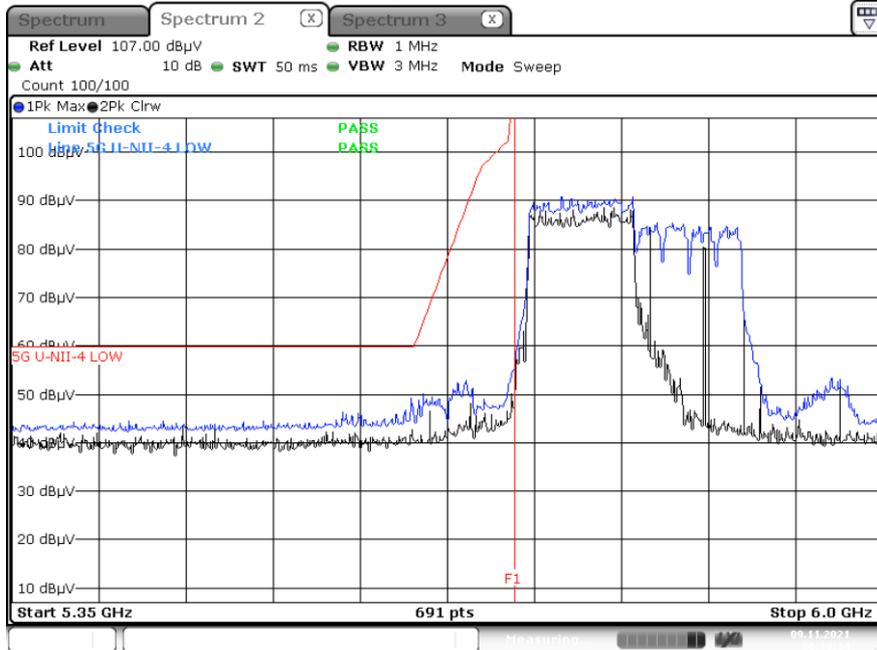
Peak result (802.11ax(HE80), Ch.171, SU, X-H)



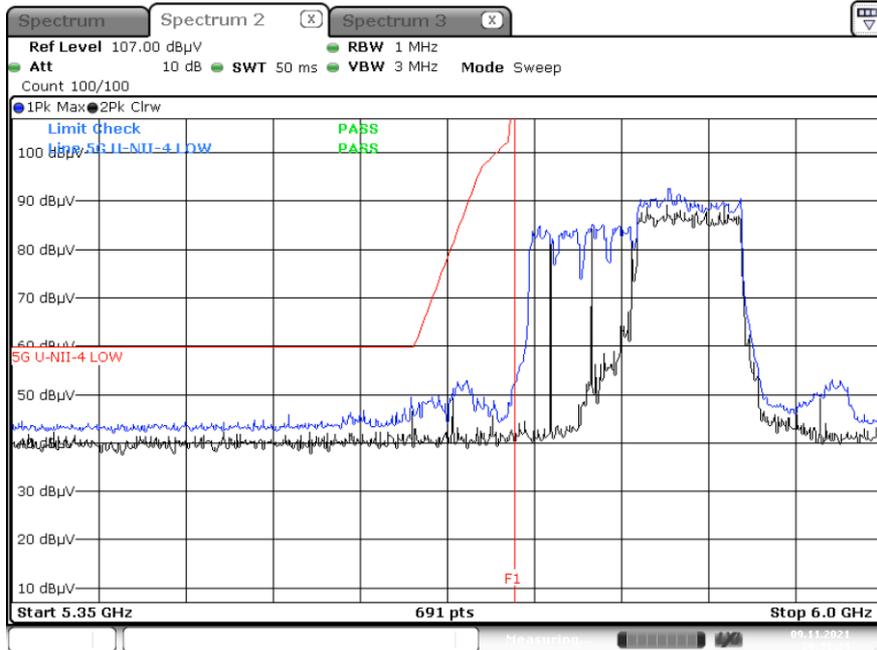
Peak result (802.11ax(HE160), Ch.163, SU, X-H)



Peak result (802.11ax(HE160)\_80L, Ch.163, 996 Tone RU 67, X-H)



Peak result (802.11ax(HE160)\_80U, Ch.163, 996 Tone RU 67, X-H)



[Average result]

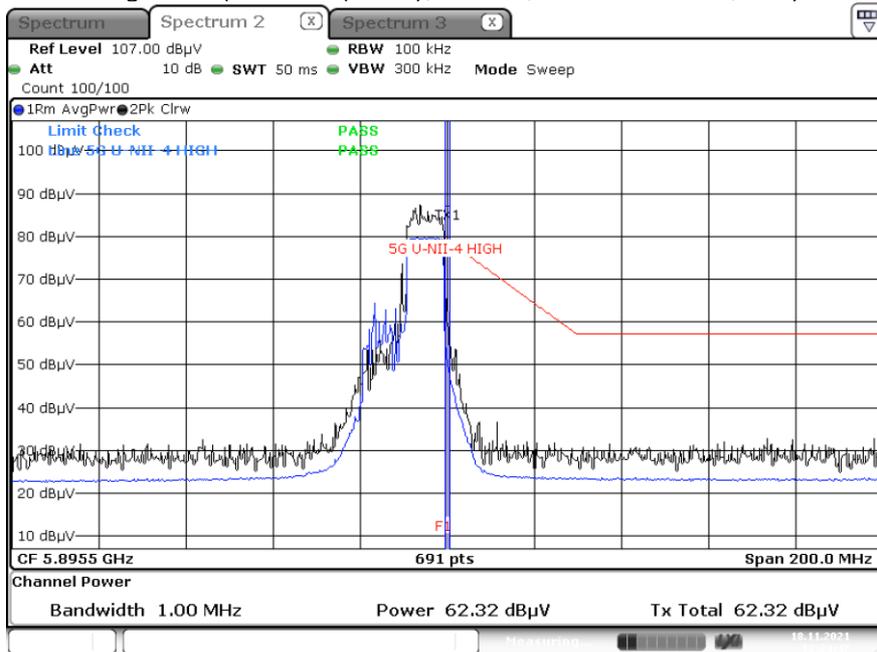
Avg result (802.11ax(HE20), Ch.177, 26 Tone RU8, X-H)



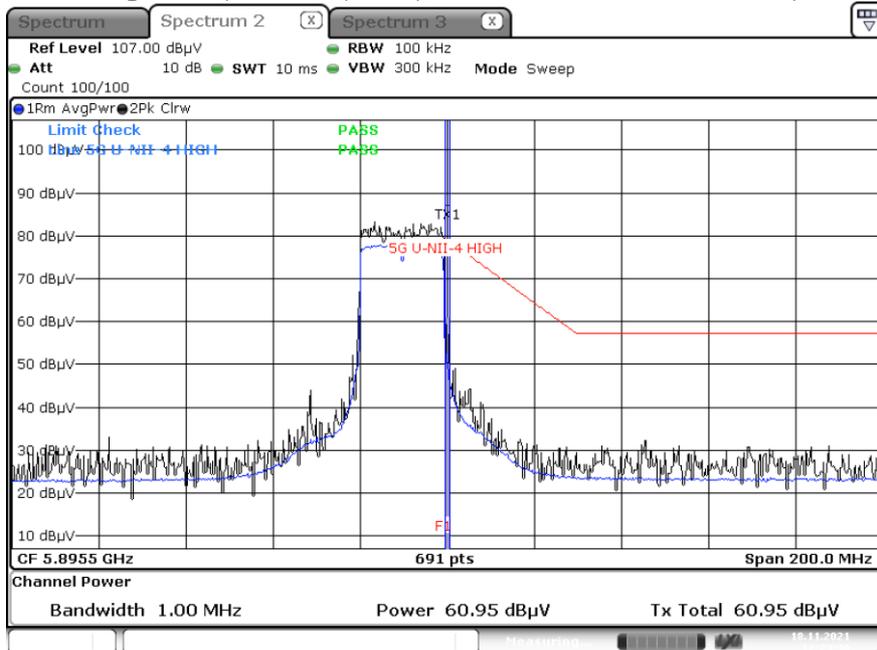
Avg result (802.11ax(HE20), Ch.177, 52 Tone RU40, X-H)



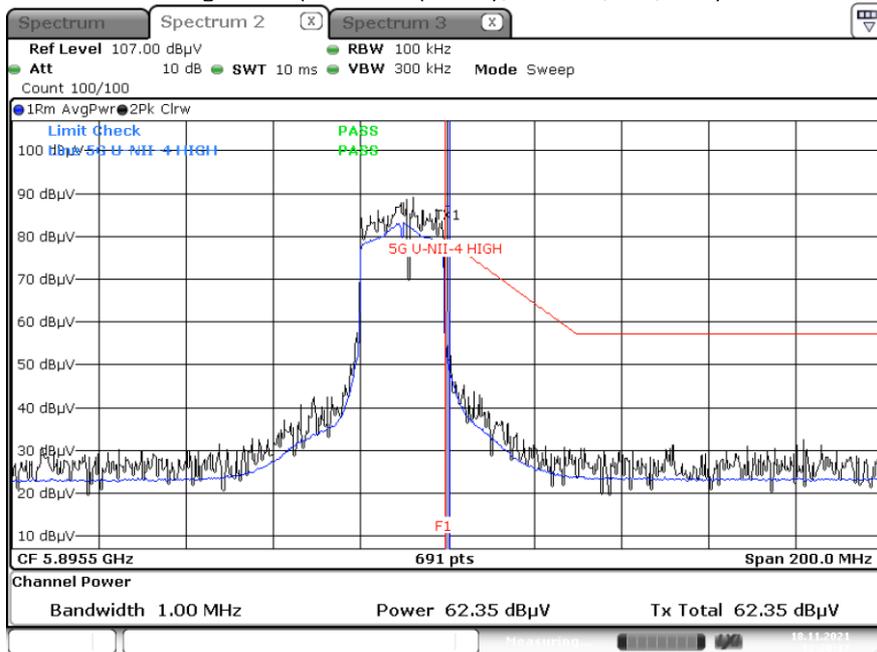
Avg result (802.11ax(HE20), Ch.177, 106 Tone RU54, X-H)



Avg result (802.11ax(HE20), Ch.177, 242 Tone RU61, X-H)



Avg result (802.11ax(HE20), Ch.177, SU, X-H)



Avg result (802.11ax(HE40), Ch.175, 26 Tone RU17, X-H)

